

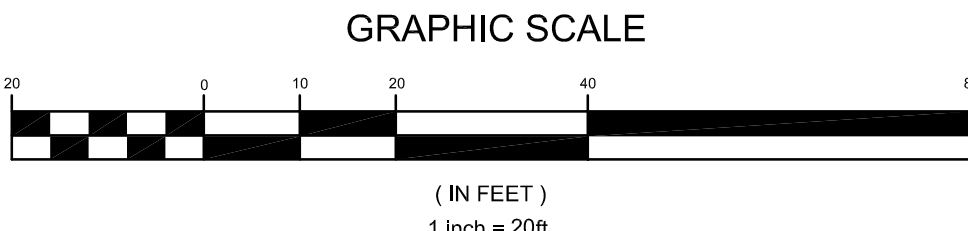
SEE GENERAL NOTES #3



**LEGEND:**

---	PROPERTY LINE
- - - -	ABUTTER'S PROPERTY LINE
X X	CHAIN LINK FENCE
⊙	FIRE HYDRANT
⊙	SEWER MANHOLE
⊙	DRAIN MANHOLE
⊙	ELECTRIC MANHOLE
⊙	CATCH BASIN (ROUND OR SQUARE)
⊙	WATER GATE VALVE
⊙	WATER SERVICE SHUT-OFF VALVE
⊙	GAS GATE VALVE
⊙	GAS SERVICE SHUT-OFF VALVE
⊙	UTILITY POLE
⊙	METAL SIGN
⊙	BOUND
⊙	DRILL HOLE
⊙	LIGHT POLE
⊙	IRON ROD / RE BAR
- - - -	TOPOGRAPHIC CONTOUR
+10.50	SPOT ELEVATION
W 12	12" WATER LINE
S30	30" SEWER LINE
D12	12" DRAIN LINE
D18	18" DRAIN LINE
OHW	OVERHEAD WIRES
⊙	SOIL EVALUATION LOCATION
G	GAS LINE (SIZE TBD)
S	SEWER OR COMBINED LINE (SIZE TBD)
E	UNDERGROUND ELECTRICAL DUCTWORK

ALL UNDERGROUND UTILITIES SHOWN ON THIS PLAN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING PLANS. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM ALL AVAILABLE INFORMATION. (PLEASE CONTACT DISAFAE PRIOR TO CONSTRUCTION AT 1-888-344-7233, AND/OR ALL LOCAL UTILITY COMPANIES)

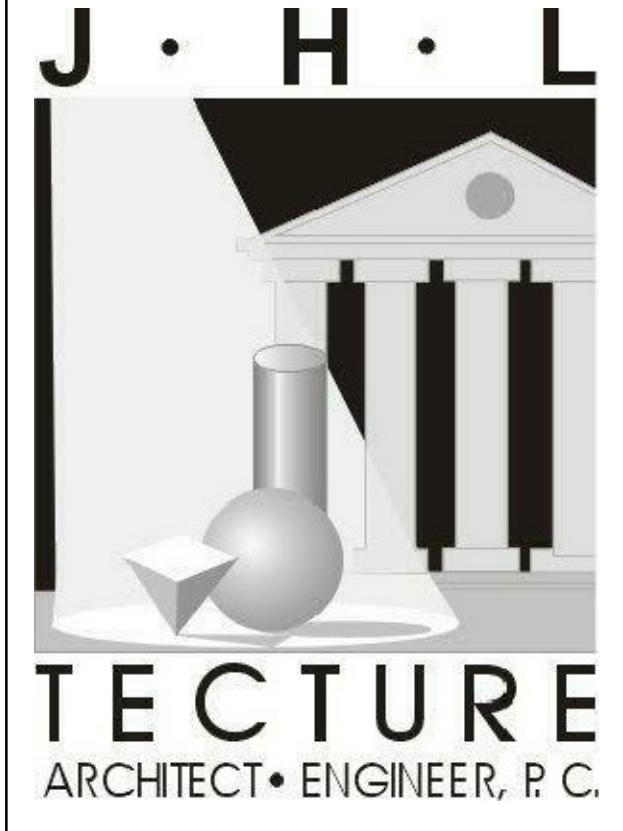


- GENERAL NOTES:**
- EXISTING CONDITIONS ARE THE RESULT OF A FIELD SURVEY BY NORTHEAST ENGINEERS & CONSULTANTS, INC. PERFORMED ON FEBRUARY 6, 2024 AND SUPPLEMENTED BY FIELD OBSERVATION AND SITE PHOTOGRAPHY.
  - VERTICAL DATUM IS NAVD 1988.
  - NORTH ARROW AND BASIS OF BEARING BASED ON RTK/GNSS OBSERVATION.
  - PROPERTY LINE INFORMATION TAKEN FROM PLAN REFERENCE #1.
  - SUBSURFACE UTILITY INFORMATION TAKEN FROM PLAN REFERENCES #2 AND #3 AND SUPPLEMENTED BY AVAILABLE GIS DATA.
  - APPROXIMATE DEPTH OF 30" SEWER LINE IN KINSLEY AVENUE PROVIDED BY NARRAGANSETT BAY COMMISSION.
  - SOIL EVALUATIONS SHOWN PERFORMED BY AVIZINIS ENVIRONMENTAL SERVICES INC. IN APRIL OF 2024.
  - SUBJECT SITE IS NOT SITUATED IN A 100-YEAR FLOOD ZONE, AS SHOWN ON FEMA FIRM 44007C0308J LAST REVISED OCTOBER 2, 2015.
  - SITE IS ZONED M-MU-75 (MIXED USE INDUSTRIAL) AND IS IN THE HISTORIC OVERLAY DISTRICT.
- PLAN REFERENCES:**
- ADMINISTRATIVE SUBDIVISION PLAN, TWIN REALTY COMPANY, LLC, 430 KINSLEY AVENUE, LOT 271, MAP 27, CITY OF PROVIDENCE, PROVIDENCE COUNTY, STATE OF RHODE ISLAND PREPARED BY CONTROL POINT ASSOCIATES, INC. OF SOUTHBOROUGH MA AND CERTIFIED BY JOHN P. LYNCH ON 11-16-2020.
  - CITY OF PROVIDENCE SEWER PLAN DRAWER 159 SHEET 78.
  - ASBULT PLANS - ASBULT COORDINATES AND ELEVATIONS PREPARED BY JE JACOBS FOR THE NARRAGANSETT BAY COMMISSION COMBINED SEWER OVERFLOW CONTROL FACILITIES PROGRAM IN OCTOBER 2016, FURTHER IDENTIFIED BY THE CITY OF PROVIDENCE AS PLAN P0635.

- GENERAL NOTES:**
- DO NOT SCALE DRAWINGS. Notify Architect if additional dimensioning is required.
  - Contractor shall verify all dimensions in the field and notify Architect of any discrepancies.
  - The Contractor shall provide all materials indicated, graphically, as annotated or as needed for a complete and proper installation, and shall notify Architect of any discrepancies in identification of the materials required.
  - Large scale plans of details shall take precedence over smaller scale drawings.
  - All work shall be in conformance with the Federal, State, and Local Building Codes and other governing bodies.
  - All work to be performed and inspected as required by the local governing code enforcement office.
  - All work is to be installed in accordance with manufacturer's recommendations and specifications.

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DRAWING ALTERATIONS  
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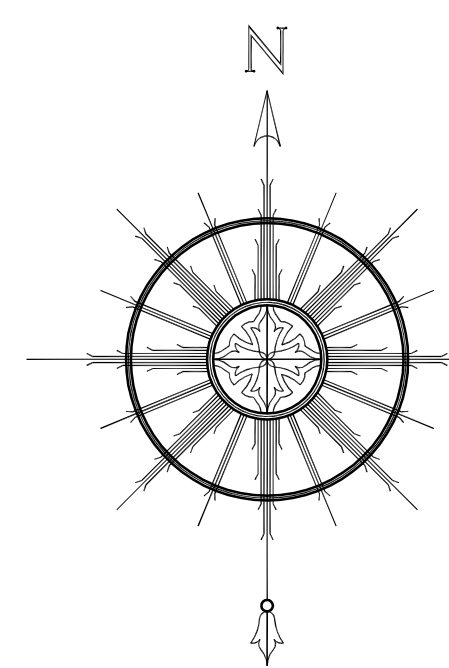
ISSUED FOR:  
INTERNAL REVIEW

GENERAL PLANNING  
DRAWINGS FOR:  
THIS SET IS FOR SCHEMATIC DESIGN DOCUMENTATION AND SHOULD NOT BE USED FOR CONSTRUCTION PURPOSES

GENERAL PLANNING  
DRAWINGS FOR:  
**GRACE HARBOR CHURCH**  
430 KINSLEY AVENUE  
PROVIDENCE, RI, 02909

EXISTING  
CONDITIONS

DATE: 12AUG24  
SCALE: 1"=20'  
DRAWN BY: JJR  
PROJECT NUMBER:  
**7461**  
DRAWING NUMBER:  
**C-01**



SEE GENERAL NOTES #3

CATCH BASIN SHALL BE INVESTIGATED FOR THE PRESENCE OF AN ILLEGAL SEWER CONNECTION FROM THE SUBJECT PROPERTY. ANY SUCH CONNECTIONS FROM THIS PROPERTY MUST BE REMOVED AND CAPPED. PROVIDENCE DPW ENGINEERING MUST BE PRESENT WHEN ANY DYE TESTING IS PERFORMED TO DETECT CONNECTIONS.

**SIDEWALK NOTES:**

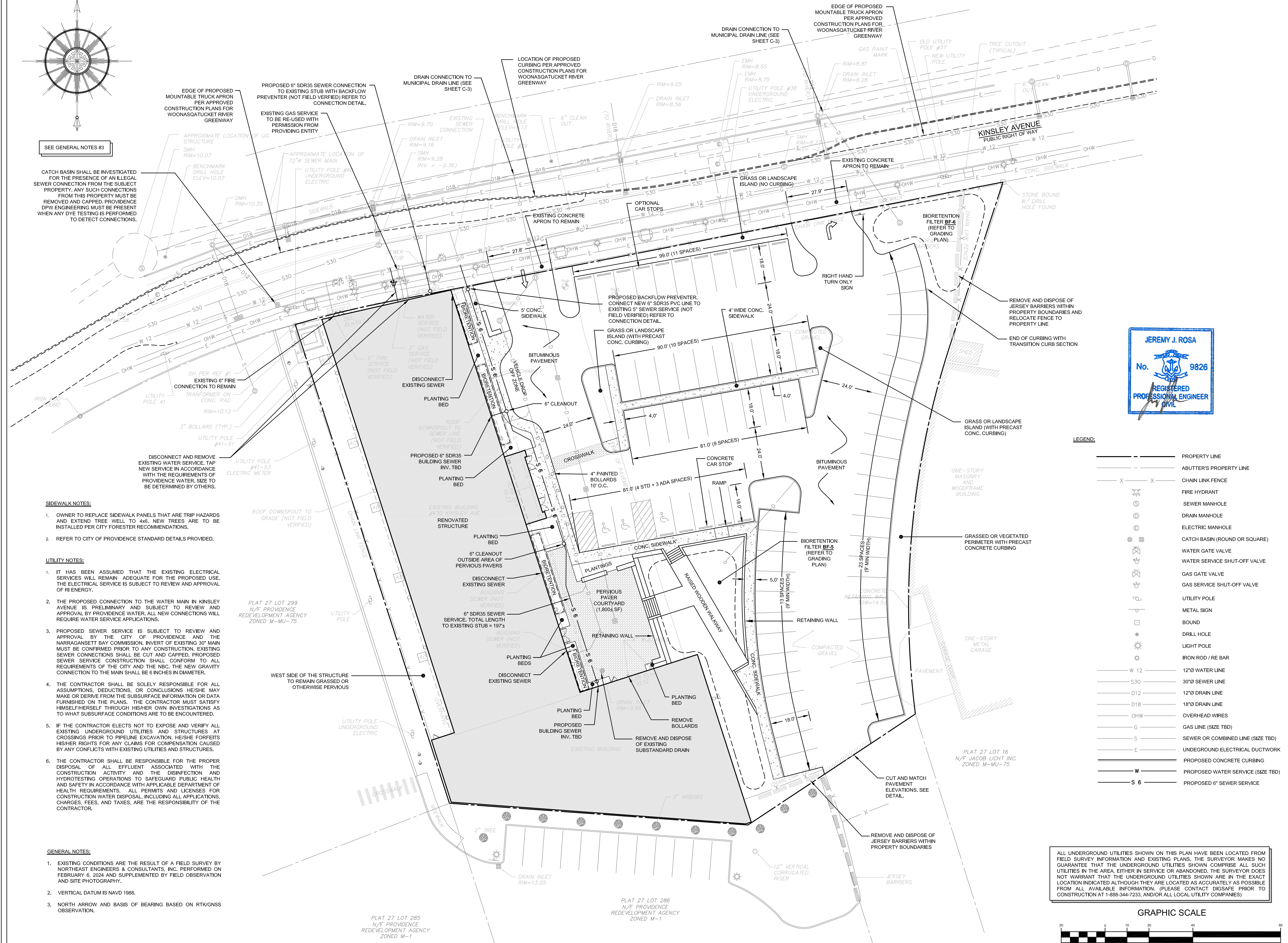
1. OWNER TO REPLACE SIDEWALK PANELS THAT ARE TRIP HAZARDS AND EXTEND TREE WELL TO 4x6. NEW TREES ARE TO BE INSTALLED PER CITY FORESTER RECOMMENDATIONS.
2. REFER TO CITY OF PROVIDENCE STANDARD DETAILS PROVIDED.

**UTILITY NOTES:**

1. IT HAS BEEN ASSUMED THAT THE EXISTING ELECTRICAL SERVICES WILL REMAIN ADEQUATE FOR THE PROPOSED USE. THE ELECTRICAL SERVICE IS SUBJECT TO REVIEW AND APPROVAL OF RI ENERGY.
2. THE PROPOSED CONNECTION TO THE WATER MAIN IN KINSLEY AVENUE IS PRELIMINARY AND SUBJECT TO REVIEW AND APPROVAL BY PROVIDENCE WATER. ALL NEW CONNECTIONS WILL REQUIRE WATER SERVICE APPLICATIONS.
3. PROPOSED SEWER SERVICE IS SUBJECT TO REVIEW AND APPROVAL BY THE CITY OF PROVIDENCE AND THE NARRAGANSETT BAY COMMISSION. INVERT OF EXISTING 30" MAIN MUST BE CONFIRMED PRIOR TO ANY CONSTRUCTION. EXISTING SEWER CONNECTIONS SHALL BE CUT AND CAPPED. PROPOSED SEWER SERVICE CONSTRUCTION SHALL CONFORM TO ALL REQUIREMENTS OF THE CITY AND THE NBC. THE NEW GRAVITY CONNECTION TO THE MAIN SHALL BE 6 INCHES IN DIAMETER.
4. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL ASSUMPTIONS, DEDUCTIONS, OR CONCLUSIONS HE/SHE MAY MAKE OR DERIVE FROM THE SUBSURFACE INFORMATION OR DATA FURNISHED ON THE PLANS. THE CONTRACTOR MUST SATISFY HIMSELF/HERSELF THROUGH HIS/HER OWN INVESTIGATIONS AS TO WHAT SUBSURFACE CONDITIONS ARE TO BE ENCOUNTERED.
5. IF THE CONTRACTOR ELECTS NOT TO EXPOSE AND VERIFY ALL EXISTING UNDERGROUND UTILITIES AND STRUCTURES AT CROSSINGS PRIOR TO PIPELINE EXCAVATION, HE/SHE FORFEITS HIS/HER RIGHTS FOR ANY CLAIMS FOR COMPENSATION CAUSED BY ANY CONFLICTS WITH EXISTING UTILITIES AND STRUCTURES.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER DISPOSAL OF ALL EFFLUENT ASSOCIATED WITH THE CONSTRUCTION ACTIVITY AND THE DISINFECTION AND HYDROTASTING OPERATIONS TO SAFEGUARD PUBLIC HEALTH AND SAFETY IN ACCORDANCE WITH APPLICABLE DEPARTMENT OF HEALTH REQUIREMENTS. ALL PERMITS AND LICENSES FOR CONSTRUCTION WATER DISPOSAL, INCLUDING ALL APPLICATIONS, CHARGES, FEES, AND TAXES, ARE THE RESPONSIBILITY OF THE CONTRACTOR.

**GENERAL NOTES:**

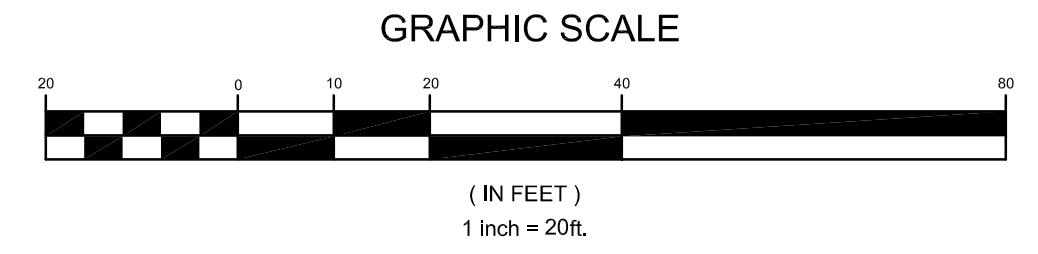
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**LEGEND:**

- PROPERTY LINE
- - - - - ABUTTER'S PROPERTY LINE
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- E UNDERGROUND ELECTRICAL DUCTWORK
- PROPOSED CONCRETE CURBING
- W PROPOSED WATER SERVICE (SIZE TBD)
- S 6 PROPOSED 6" SEWER SERVICE

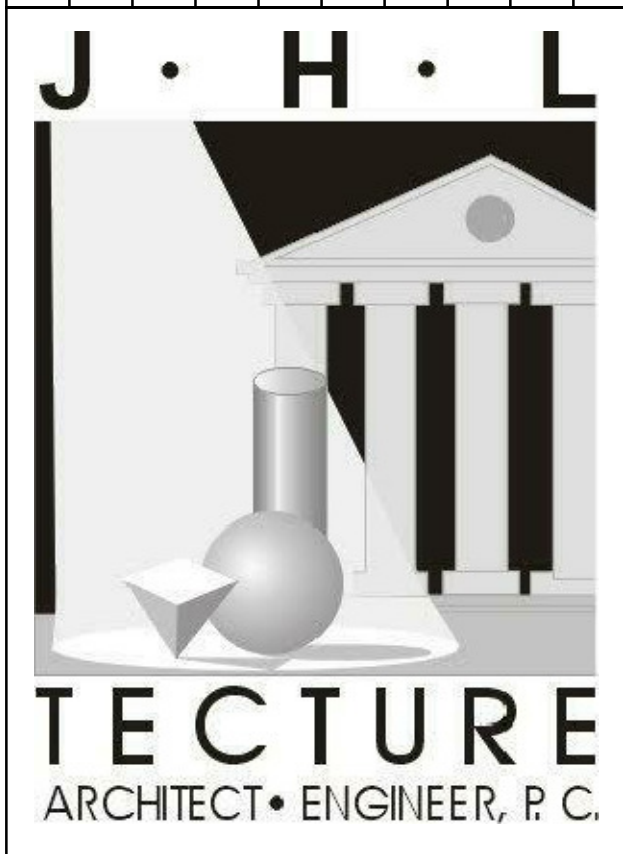
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  4. Large scale plans of details shall take precedence over smaller scale drawings.
  5. All work shall be in conformance with the Federal, State, and Local Building Codes and other governing bodies.
  6. All work to be performed and inspected as required by the local governing code enforcement office.
  7. All work is to be installed in accordance with manufacturer's recommendations and specifications.

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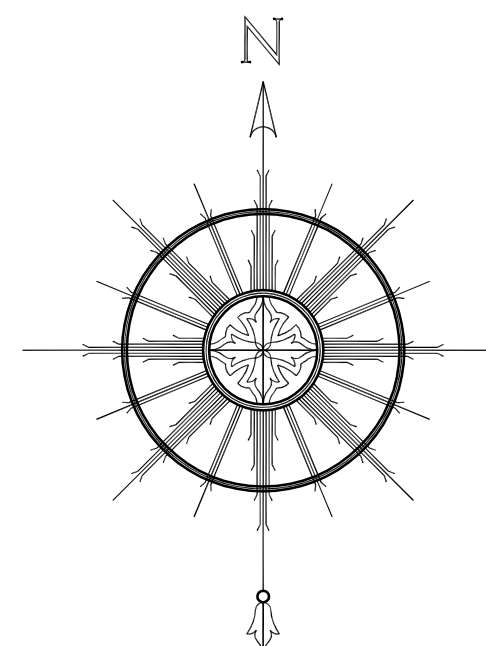
**ISSUED FOR:**  
**INTERNAL REVIEW**

**GENERAL PLANNING DRAWINGS FOR:**  
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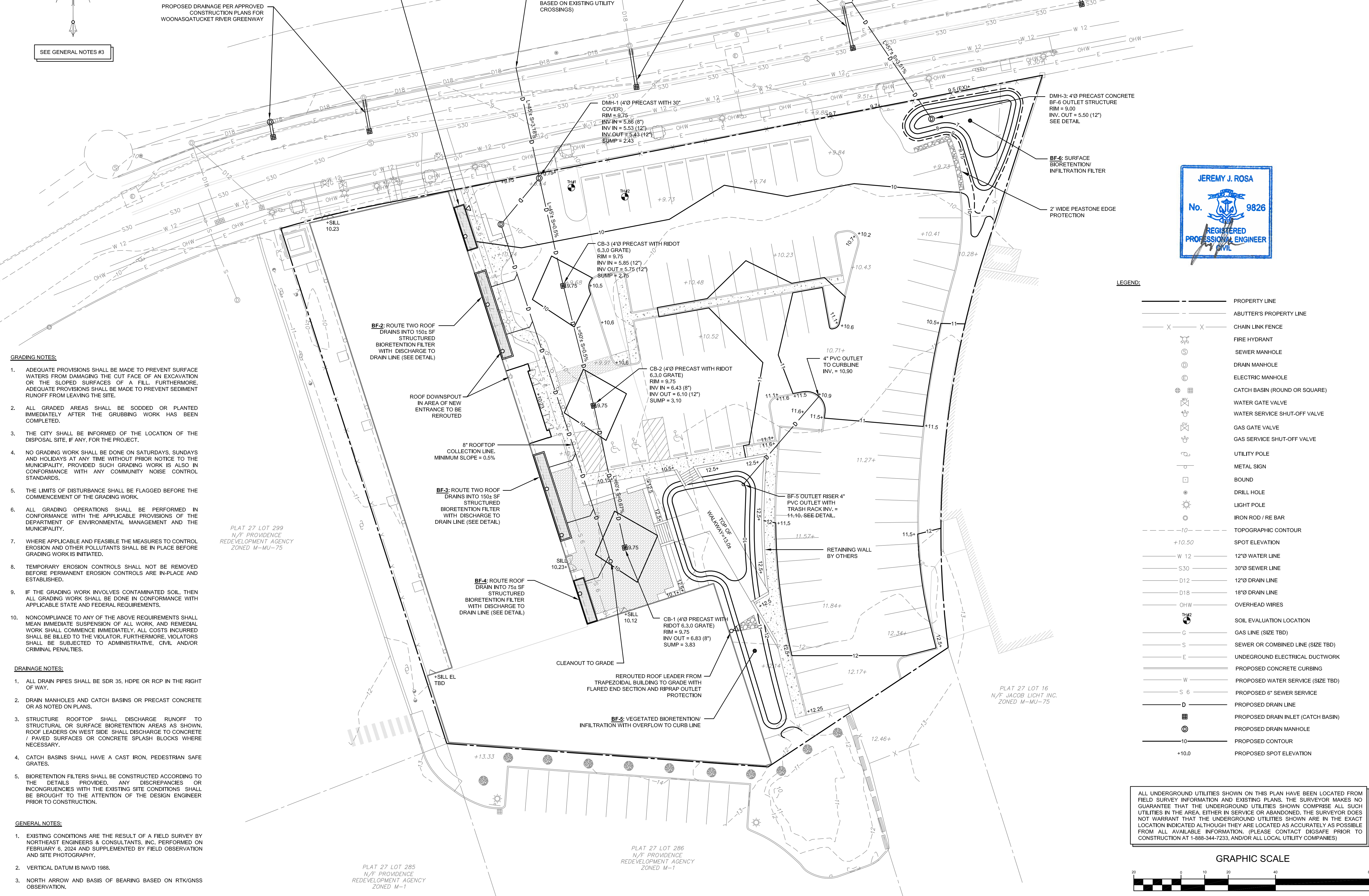
**GENERAL PLANNING DRAWINGS FOR:**  
**GRACE HARBOR CHURCH**  
 430 KINSLEY AVENUE  
 PROVIDENCE, RI, 02909

**LAYOUT AND UTILITY PLAN**

DATE: 28AUG24  
 SCALE: 1"=20'  
 DRAWN BY: JJR  
 PROJECT NUMBER:  
**7461**  
 DRAWING NUMBER:  
**C-02**



SEE GENERAL NOTES #3



**GRADING NOTES:**

1. ADEQUATE PROVISIONS SHALL BE MADE TO PREVENT SURFACE WATERS FROM DAMAGING THE CUT FACE OF AN EXCAVATION OR THE SLOPED SURFACES OF A FILL. FURTHERMORE, ADEQUATE PROVISIONS SHALL BE MADE TO PREVENT SEDIMENT RUNOFF FROM LEAVING THE SITE.
2. ALL GRADED AREAS SHALL BE SODED OR PLANTED IMMEDIATELY AFTER THE GRUBBING WORK HAS BEEN COMPLETED.
3. THE CITY SHALL BE INFORMED OF THE LOCATION OF THE DISPOSAL SITE, IF ANY, FOR THE PROJECT.
4. NO GRADING WORK SHALL BE DONE ON SATURDAYS, SUNDAYS AND HOLIDAYS AT ANY TIME WITHOUT PRIOR NOTICE TO THE MUNICIPALITY, PROVIDED SUCH GRADING WORK IS ALSO IN CONFORMANCE WITH ANY COMMUNITY NOISE CONTROL STANDARDS.
5. THE LIMITS OF DISTURBANCE SHALL BE FLAGGED BEFORE THE COMMENCEMENT OF THE GRADING WORK.
6. ALL GRADING OPERATIONS SHALL BE PERFORMED IN CONFORMANCE WITH THE APPLICABLE PROVISIONS OF THE DEPARTMENT OF ENVIRONMENTAL MANAGEMENT AND THE MUNICIPALITY.
7. WHERE APPLICABLE AND FEASIBLE THE MEASURES TO CONTROL EROSION AND OTHER POLLUTANTS SHALL BE IN PLACE BEFORE GRADING WORK IS INITIATED.
8. TEMPORARY EROSION CONTROLS SHALL NOT BE REMOVED BEFORE PERMANENT EROSION CONTROLS ARE IN-PLACE AND ESTABLISHED.
9. IF THE GRADING WORK INVOLVES CONTAMINATED SOIL, THEN ALL GRADING WORK SHALL BE DONE IN CONFORMANCE WITH APPLICABLE STATE AND FEDERAL REQUIREMENTS.
10. NONCOMPLIANCE TO ANY OF THE ABOVE REQUIREMENTS SHALL MEAN IMMEDIATE SUSPENSION OF ALL WORK, AND REMEDIAL WORK SHALL COMMENCE IMMEDIATELY. ALL COSTS INCURRED SHALL BE BILLED TO THE VIOLATOR. FURTHERMORE, VIOLATORS SHALL BE SUBJECT TO ADMINISTRATIVE, CIVIL AND/OR CRIMINAL PENALTIES.

**DRAINAGE NOTES:**

1. ALL DRAIN PIPES SHALL BE SDR 35, HDPE OR RCP IN THE RIGHT OF WAY.
2. DRAIN MANHOLES AND CATCH BASINS OR PRECAST CONCRETE OR AS NOTED ON PLANS.
3. STRUCTURE ROOFTOP SHALL DISCHARGE RUNOFF TO STRUCTURAL OR SURFACE BIORETENTION AREAS AS SHOWN. ROOF LEADERS ON WEST SIDE SHALL DISCHARGE TO CONCRETE / PAVED SURFACES OR CONCRETE SPLASH BLOCKS WHERE NECESSARY.
4. CATCH BASINS SHALL HAVE A CAST IRON, PEDESTRIAN SAFE GRATES.
5. BIORETENTION FILTERS SHALL BE CONSTRUCTED ACCORDING TO THE DETAILS PROVIDED. ANY DISCREPANCIES OR INCONGRUENCIES WITH THE EXISTING SITE CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGN ENGINEER PRIOR TO CONSTRUCTION.

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PLAT 27 LOT 299  
N/F PROVIDENCE  
REDEVELOPMENT AGENCY  
ZONED M-MU-75

PLAT 27 LOT 16  
N/F JACOB LIGHT INC.  
ZONED M-MU-75

PLAT 27 LOT 285  
N/F PROVIDENCE  
REDEVELOPMENT AGENCY  
ZONED M-1

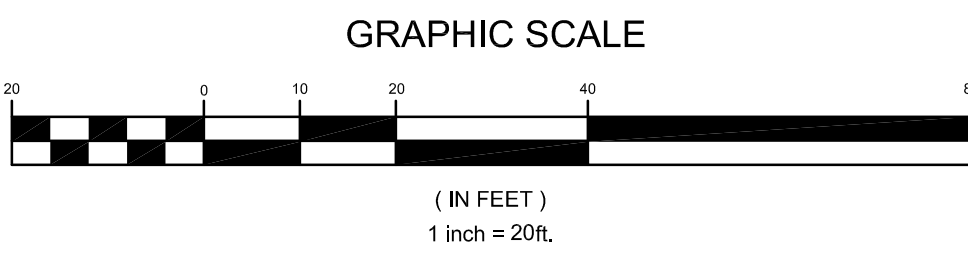
PLAT 27 LOT 286  
N/F PROVIDENCE  
REDEVELOPMENT AGENCY  
ZONED M-1



**LEGEND:**

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- D PROPOSED DRAIN LINE
- ⊙ PROPOSED DRAIN INLET (CATCH BASIN)
- ⊙ PROPOSED DRAIN MANHOLE
- PROPOSED CONTOUR
- +10.0 PROPOSED SPOT ELEVATION

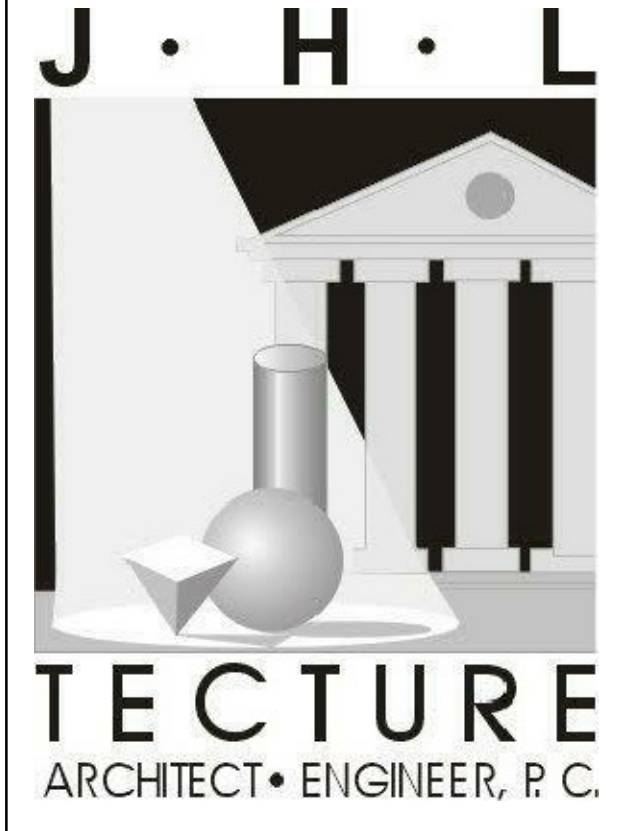
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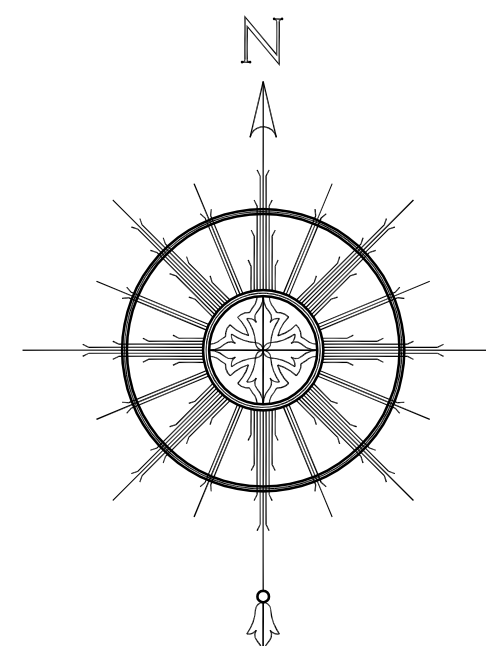
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**GENERAL PLANNING DRAWINGS FOR:**  
**GRACE HARBOR CHURCH**  
430 KINSLEY AVENUE  
PROVIDENCE, RI, 02909

**GRADING AND DRAINAGE PLAN**

DATE: 28AUG24  
SCALE: 1"=20'  
DRAWN BY: JJR  
PROJECT NUMBER:  
**7461**

DRAWING NUMBER:  
**C-03**



SEE GENERAL NOTES #3

CONSTRUCTION SEQUENCE:

- A. DO NOT BEGIN CONSTRUCTION UNTIL ALL LOCAL, STATE, AND FEDERAL PERMITS HAVE BEEN APPLIED FOR AND RECEIVED. THIS INCLUDES ALL PERMITS FROM APPLICABLE UTILITIES.
- B. ALL CONSTRUCTION VEHICLES SHALL ENTER AND LEAVE THE SITE VIA THE PROPOSED CONSTRUCTION ENTRANCE CONFORMING TO THE DETAIL PROVIDED.
- C. INSTALL SILT FENCES, SILT SACKS, CHECK DAMS, FILTER SOCKS, STRAW WATTLE AND/OR STRAW BALES AS INDICATED ON THE DRAWINGS TO CONTROL EROSION AND PREVENT SEDIMENT CONTAMINATION OF DOWNSTREAM AREAS PRIOR TO ANY EARTH MOVING ACTIVITIES. THE CONTRACTOR SHALL CONFIRM WITH THE CITY ENGINEER WHICH TYPE OF SEDIMENTATION BARRIERS ARE PREFERRED PRIOR TO INSTALLATION.
- D. CONTRACTOR TO FIELD LOCATE EXISTING SEWER AND WATER MAINS TO WHICH CONNECTIONS ARE PROPOSED PRIOR TO ANY CONSTRUCTION.
- E. EXCAVATE TEMPORARY SEDIMENT TRAP IN ACCORDANCE WITH THE SOIL EROSION AND SEDIMENT CONTROL PLAN AND ESTABLISH A TEMPORARY VEGETATIVE GROWTH.
- F. ROUGH GRADE SITE. AT NO POINT DURING GRADING SHALL THE CATCHMENT TO THE EXISTING DRAIN INLETS BE INCREASED UNTIL THE PROPOSED DRAIN LINES ARE INSTALLED.
- G. BEGIN BUILDING RENOVATION.
- H. INSTALL UTILITY SERVICES PER APPROVED DESIGNS. ALL CONNECTIONS TO EXISTING UTILITIES SHALL BE PERFORMED UNDER SUPERVISION BY THE PROVIDING ENTITIES.
- I. INSTALL THE STORMWATER SYSTEM IN ACCORDANCE WITH THE PLANS AND DETAILS. BOTTOM OF TEMPORARY SEDIMENT TRAP SHALL BE TILLED TO ADDRESS POTENTIAL COMPACTION BEFORE FINALIZING BIORETENTION CONSTRUCTION.
- J. AREA OF PERVIOUS PAVERS SHALL BE TILLED TO A DEPTH OF 30 INCHES. ANY HTM ENCOUNTERED DURING THESE ACTIVITIES SHALL BE REMOVED AND REPLACED WITH ASTM C-33 SAND. INSTALL PERVIOUS PAVEMENT SURFACE.
- K. INSTALL HARDSCAPE ADJACENT TO BUILDING PER APPROVED LANDSCAPE ARCHITECTURE PLANS.
- L. INSTALL PAVEMENT BASE AND FINAL GRADE SITE. ESTABLISH VEGETATIVE COVERAGE.
- M. INSTALL CONCRETE SIDEWALKS.
- N. REMOVE CONSTRUCTION ENTRANCE AND INSTALL BINDER PAVEMENT COURSE.
- O. ESTABLISH FINAL VEGETATIVE GROWTH ON ALL DISTURBED AREAS. INSTALL PROPOSED LANDSCAPING.
- P. INSTALL PAVEMENT TOP COURSE.

EARTHWORK NOTES:

- A. DURING CONSTRUCTION AND THEREAFTER, EROSION CONTROL MEASURES ARE TO BE IMPLEMENTED AS NOTED. ONLY THE SMALLEST PRACTICAL AREA OF LAND SHOULD BE EXPOSED AT ANY ONE TIME DURING DEVELOPMENT. WHEN LAND IS EXPOSED DURING DEVELOPMENT, THE EXPOSURE SHOULD BE KEPT TO THE SHORTEST PRACTICAL PERIOD OF TIME.
- B. ANY DISTURBED AREAS WHICH ARE TO BE LEFT TEMPORARILY AND WHICH WILL BE REGRADDED LATER DURING CONSTRUCTION SHALL BE STABILIZED WITHIN FOURTEEN DAYS IN ACCORDANCE WITH TEMPORARY MEASURES IN THE VEGETATIVE PRACTICE NOTES.
- C. AREAS TO BE FILLED SHALL BE CLEARED, GRUBBED, AND STRIPPED OF TOP SOIL TO REMOVE VEGETATION, ROOTS, AND ANY OTHER OBJECTIONABLE MATERIAL.
- D. ALL FILL SHALL BE COMPACTED TO 95% MAX. DENSITY TO REDUCE EROSION, SLIPPAGE, SETTLEMENT SUBSIDENCE, OR OTHER RELATED PROBLEMS.
- E. FILL INTENDED TO SUPPORT BUILDING STRUCTURES AND CONDUITS, ETC., SHALL BE COMPACTED IN ACCORDANCE WITH LOCAL CODES AND SPECIFICATIONS.
- F. ALL FILL SHALL BE PLACED AND COMPACTED TO 95% MAX. DENSITY IN LAYERS NOT TO EXCEED 12" IN THICKNESS FILLS.
- G. FILL MATERIAL SHALL BE FREE OF BRUSH, RUBBISH, ROCKS, LOGS, STUMPS, BUILDING DEBRIS, AND OTHER OBJECTIONABLE MATERIALS THAT WOULD INTERFERE WITH OR PREVENT CONSTRUCTION OF SATISFACTORY FILLS.
- H. FROZEN, SOFT, MUCKY, OR HIGHLY COMPRESSIBLE MATERIAL SHALL NOT BE INCORPORATED INTO FILLS.
- I. FILL SHALL NOT BE PLACED ON A FROZEN FOUNDATION SUBGRADE.
- J. SEEPS OR SPRINGS ENCOUNTERED DURING CONSTRUCTION SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGN ENGINEER.
- K. ALL DISTURBED AREAS SHALL BE STABILIZED WITHIN 14 DAYS OF FINISH GRADING IN ACCORDANCE WITH THE VEGETATIVE PRACTICE NOTES.
- L. REMOVE TEMPORARY EROSION CONTROL MEASURES ONCE UPSLOPE AREAS HAVE BEEN PERMANENTLY STABILIZED AND VEGETATED AREAS HAVE RECEIVED TWO MOWINGS.

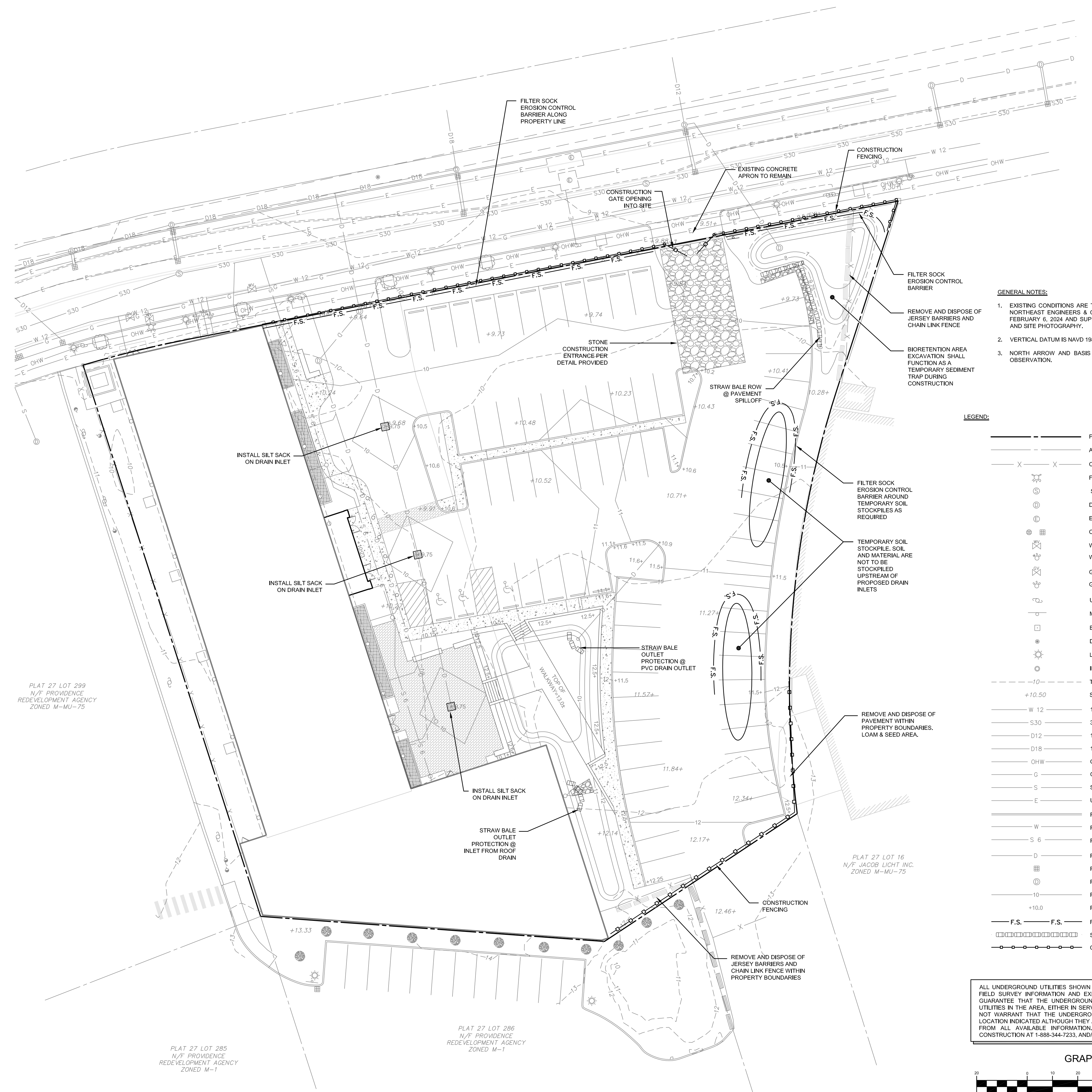
VEGETATIVE PRACTICE:

PERMANENT MEASURES:

- A. SLOPES SHALL NOT BE STEEPER THAN 1 VERTICAL TO 2 HORIZONTAL UNLESS OTHERWISE SPECIFIED.
- B. LOAM AND SEED REQUIREMENTS ARE SPECIFIED IN RIDOT L01 & L02.
- C. A MINIMUM OF 4 INCHES OF LOAM SHALL BE INSTALLED. THE LOAM SHALL BE GRADED TO A SMOOTH CONDITION AND STONES AND OTHER OBJECTS LARGER THAN 2 INCHES SHALL BE REMOVED.

TEMPORARY MEASURES (FOR TEMPORARY PROTECTION OF DISTURBED AREAS)

- D. LIMESTONE AND FERTILIZER SHALL BE APPLIED AT THE FOLLOWING RATE:
  - D.1. LIMESTONE: 3 TONS/ACRE
  - D.2. FERTILIZER: (10-10-10) 600 LBS/ACRE
- E. SEED SHALL BE APPLIED AT THE FOLLOWING RATE:
  - E.1. WINTER RYE: 100 LBS/ACRE
  - F. STRAW MULCH SHALL BE APPLIED AT THE RATE OF 1.5 TONS/ACRE.

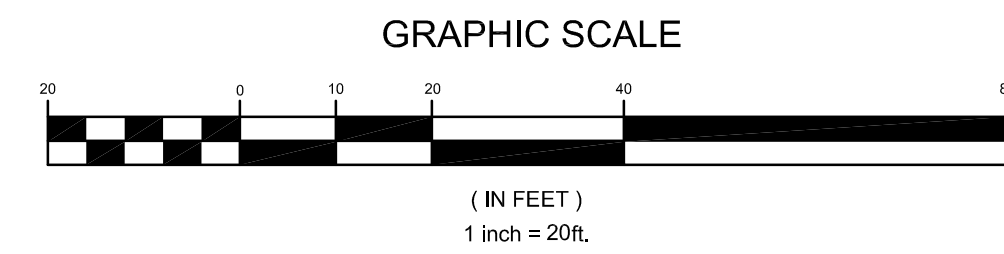


- GENERAL NOTES:
- 1. EXISTING CONDITIONS ARE THE RESULT OF A FIELD SURVEY BY NORTHEAST ENGINEERS & CONSULTANTS, INC. PERFORMED ON FEBRUARY 6, 2024 AND SUPPLEMENTED BY FIELD OBSERVATION AND SITE PHOTOGRAPHY.
  - 2. VERTICAL DATUM IS NAVD 1988.
  - 3. NORTH ARROW AND BASIS OF BEARING BASED ON RTK/GNSS OBSERVATION.

LEGEND:

---	PROPERTY LINE
---	ABUTTER'S PROPERTY LINE
X X	CHAIN LINK FENCE
⊗	FIRE HYDRANT
⊙	SEWER MANHOLE
⊕	DRAIN MANHOLE
⊕	ELECTRIC MANHOLE
⊕	CATCH BASIN (ROUND OR SQUARE)
⊕	WATER GATE VALVE
⊕	WATER SERVICE SHUT-OFF VALVE
⊕	GAS GATE VALVE
⊕	GAS SERVICE SHUT-OFF VALVE
⊕	UTILITY POLE
⊕	METAL SIGN
⊕	BOUND
⊕	DRILL HOLE
⊕	LIGHT POLE
⊕	IRON ROD / RE BAR
---	TOPOGRAPHIC CONTOUR
+	SPOT ELEVATION
W 12	12" WATER LINE
S 30	30" SEWER LINE
D 12	12" DRAIN LINE
D 18	18" DRAIN LINE
OHW	OVERHEAD WIRES
G	GAS LINE (SIZE TBD)
S	SEWER OR COMBINED LINE (SIZE TBD)
E	UNDERGROUND ELECTRICAL DUCTWORK
---	PROPOSED CONCRETE CURBING
W	PROPOSED WATER SERVICE (SIZE TBD)
S 6	PROPOSED 6" SEWER SERVICE
D	PROPOSED DRAIN LINE
⊕	PROPOSED DRAIN INLET (CATCH BASIN)
⊕	PROPOSED DRAIN MANHOLE
10	PROPOSED CONTOUR
+10.0	PROPOSED SPOT ELEVATION
F.S.	FILTER SOCK EROSION CONTROL BARRIER
⊕	STRAWBALE BARRIER
---	CONSTRUCTION FENCING

ALL UNDERGROUND UTILITIES SHOWN ON THIS PLAN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING PLANS. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM ALL AVAILABLE INFORMATION. (PLEASE CONTACT DIGSAFE PRIOR TO CONSTRUCTION AT 1-888-344-7233, AND/OR ALL LOCAL UTILITY COMPANIES)

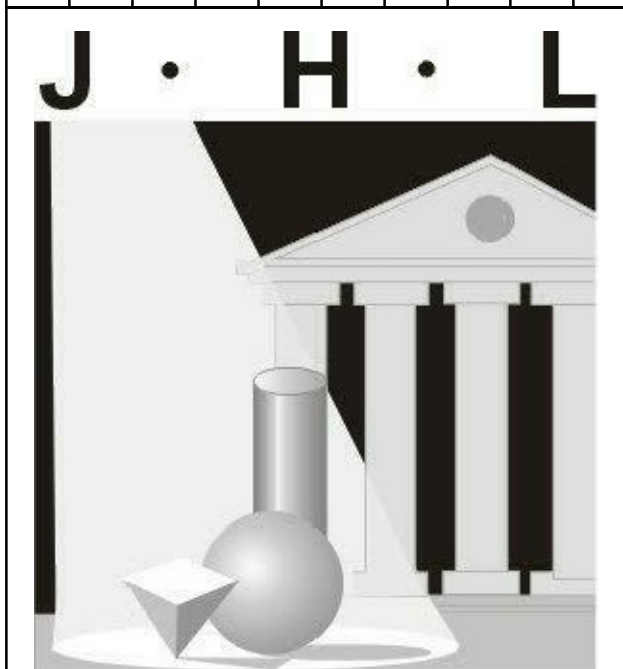


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  - 2. Contractor shall verify all dimensions in the field and notify Architect of any discrepancies.
  - 3. The Contractor shall provide all materials indicated, graphically, as annotated or as needed for a complete and proper installation, and shall notify Architect of any discrepancies in identification of the materials required.
  - 4. Large scale plans of details shall take precedence over smaller scale drawings.
  - 5. All work shall be in conformance with the Federal, State, and Local Building Codes and other governing bodies.
  - 6. All work to be performed and inspected as required by the local governing code enforcement office.
  - 7. All work is to be installed in accordance with manufacturer's recommendations and specifications.

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DRAWING ALTERATION

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**TECTURE**  
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190 High Street • Bristol RI 02809  
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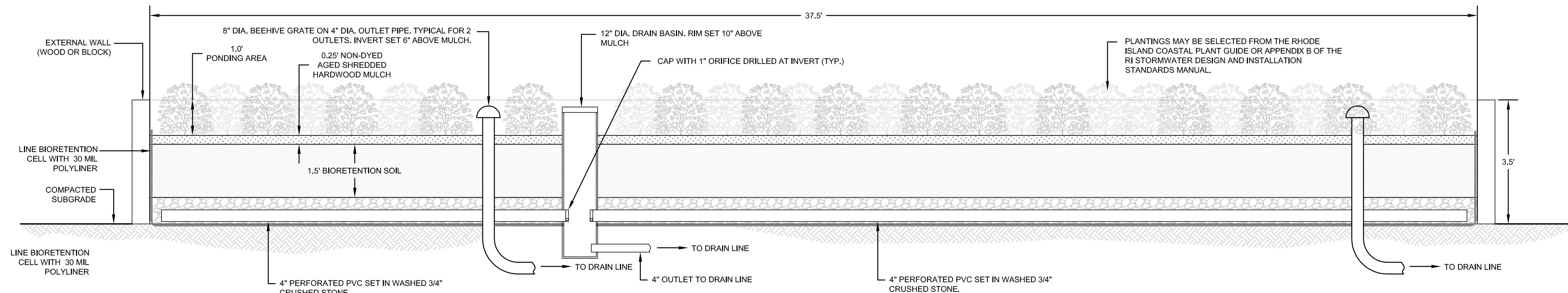
GENERAL PLANNING DRAWINGS FOR:  
THIS SET IS FOR SCHEMATIC DESIGN DOCUMENTATION AND SHOULD NOT BE USED FOR CONSTRUCTION PURPOSES

GENERAL PLANNING DRAWINGS FOR:  
**GRACE HARBOR CHURCH**

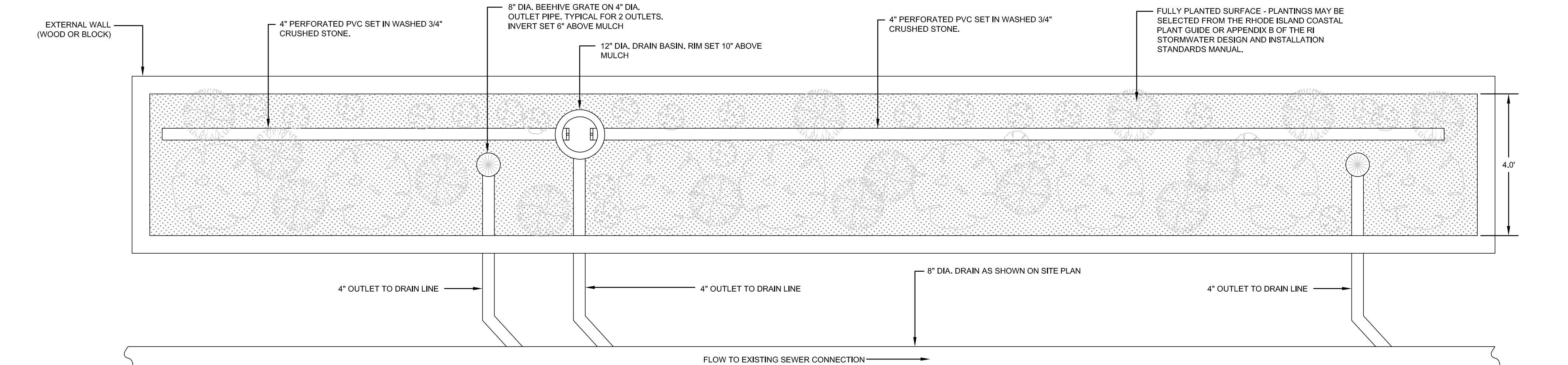
430 KINSLEY AVENUE  
PROVIDENCE, RI, 02909

SOIL EROSION AND SEDIMENT CONTROL PLAN

DATE: 02AUG24	DRAWING NUMBER:
SCALE: 1"=20'	DRAWN BY: JJR
PROJECT NUMBER:	<b>C-04</b>
<b>7461</b>	



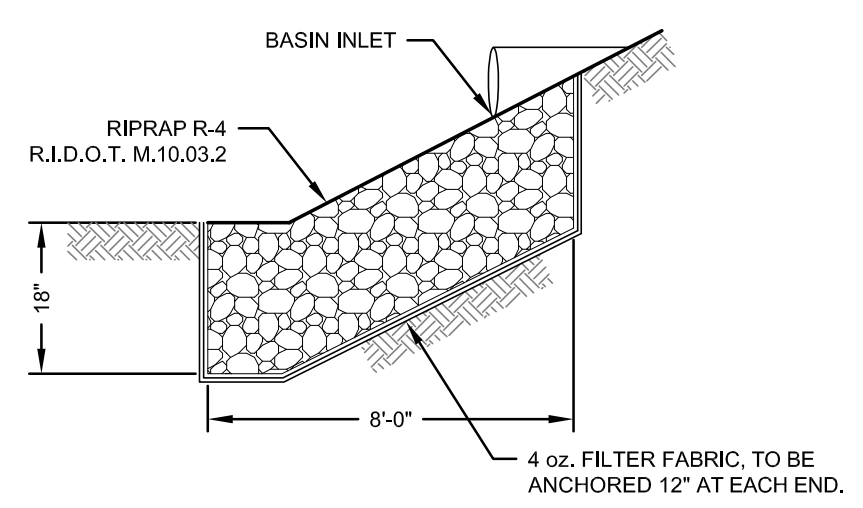
SIDE PROFILE VIEW



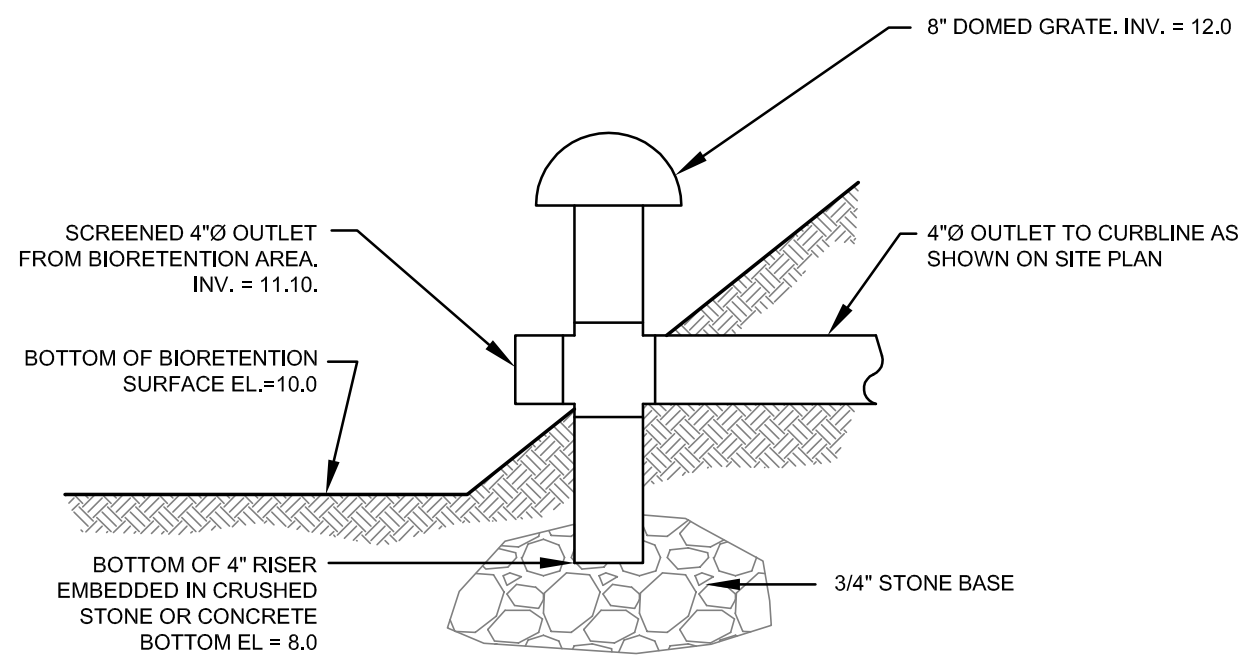
TOP VIEW

STRUCTURAL BIORETENTION FILTER CROSS SECTION (BF-2 AND BF-3)  
SCALE: 1" = 2'

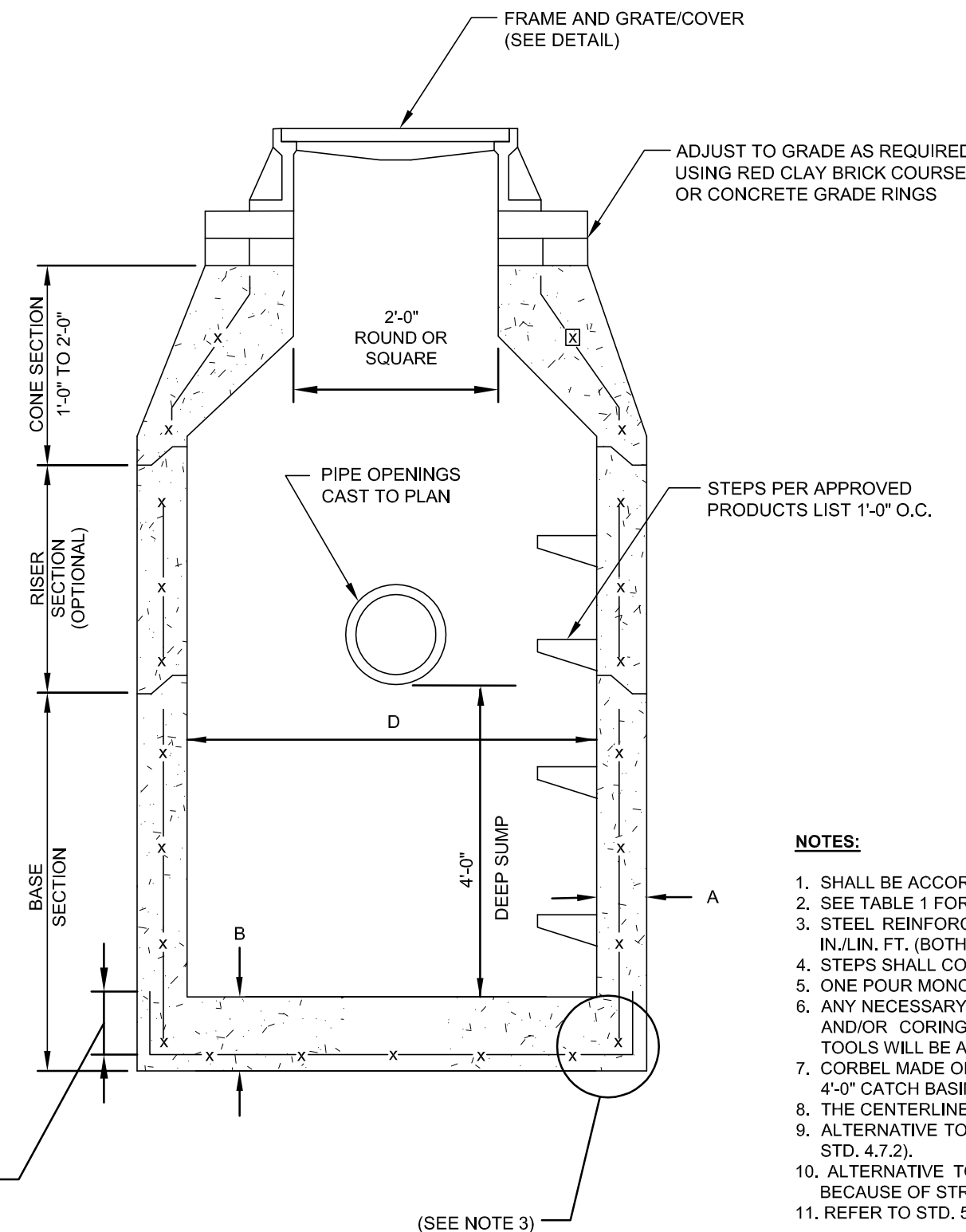
- NOTES:**
- BIORETENTION FILTER PLANTINGS MAY BE SELECTED FROM THE RHODE ISLAND COASTAL PLANT GUIDE OR APPENDIX B OF THE RI STORMWATER DESIGN AND INSTALLATION STANDARDS MANUAL AND SHOULD BE SELECTED BY A REGISTERED RI LANDSCAPE ARCHITECT.
  - PLANTINGS MUST BE DENSE AND COVER THE ENTIRETY OF THE FILTER SURFACE.
  - BIORETENTION SOIL SHALL CONSIST OF USDA LOAMY SAND AND MEET THE FOLLOWING GRADATIONS: SAND 85-88% SILT 8-12%, CLAY 0-2%, AND ORGANIC MATTER (LEAF COMPOST) 3-5%.
  - UNDERDRAIN STONE SHALL CONFORM TO AASHTO M-43, 0.25" TO 0.75" MATERIAL MUST BE WASHED CLEAN CRUSHED STONE. STONE PIPE TO BE WRAPPED IN GEOTEXTILE FABRIC CONFORMING TO FLOWRATE IN NOTE 5.
  - POLYLINER SHALL BE 30 MIL IN THICKNESS (ASTM D 751), SHALL HAVE A TENSILE STRENGTH OF 1,100 LBS AND AN ELONGATION OF 200% (ASTM D 412) A TEAR RESISTANCE OF 150 LBS/IN (ASTM D 624) AND WATER ABSORPTION OF +8 TO -2% MASS (ASTM D 471). LINER SHALL BE ULTRAVIOLET RESISTANT. GEOTEXTILE FABRIC SHALL HAVE A PUNCTURE STRENGTH OF 125 LBS, A BURST STRENGTH OF 400 PSI (ASTM D 1117) AND A TENSILE STRENGTH OF 300 LBS (ASTM D 1682). FABRIC SHALL BE MIN 0.08" THICK WITH AN EQUIVALENT OPENING SIZE OF #80 SIEVE AND A MINIMUM FLOW RATE OF 125 GPM PER SQUARE FOOT.
  - UNDERDRAIN SHALL BE SCHEDULE 40 PVC PIPE CONFORMING TO ASTM D-1785 OR AASHTO M-278. PERFORATIONS SHALL BE 3/8" @ 6" ON CENTER. PIPE SHALL HAVE 3" OF STONE COVER.



BIORETENTION FILTER B-5 INLET FROM ROOF DRAIN  
SCALE: NOT TO SCALE



BIORETENTION FILTER B-5 OUTLET PIPE RISER  
SCALE: NOT TO SCALE



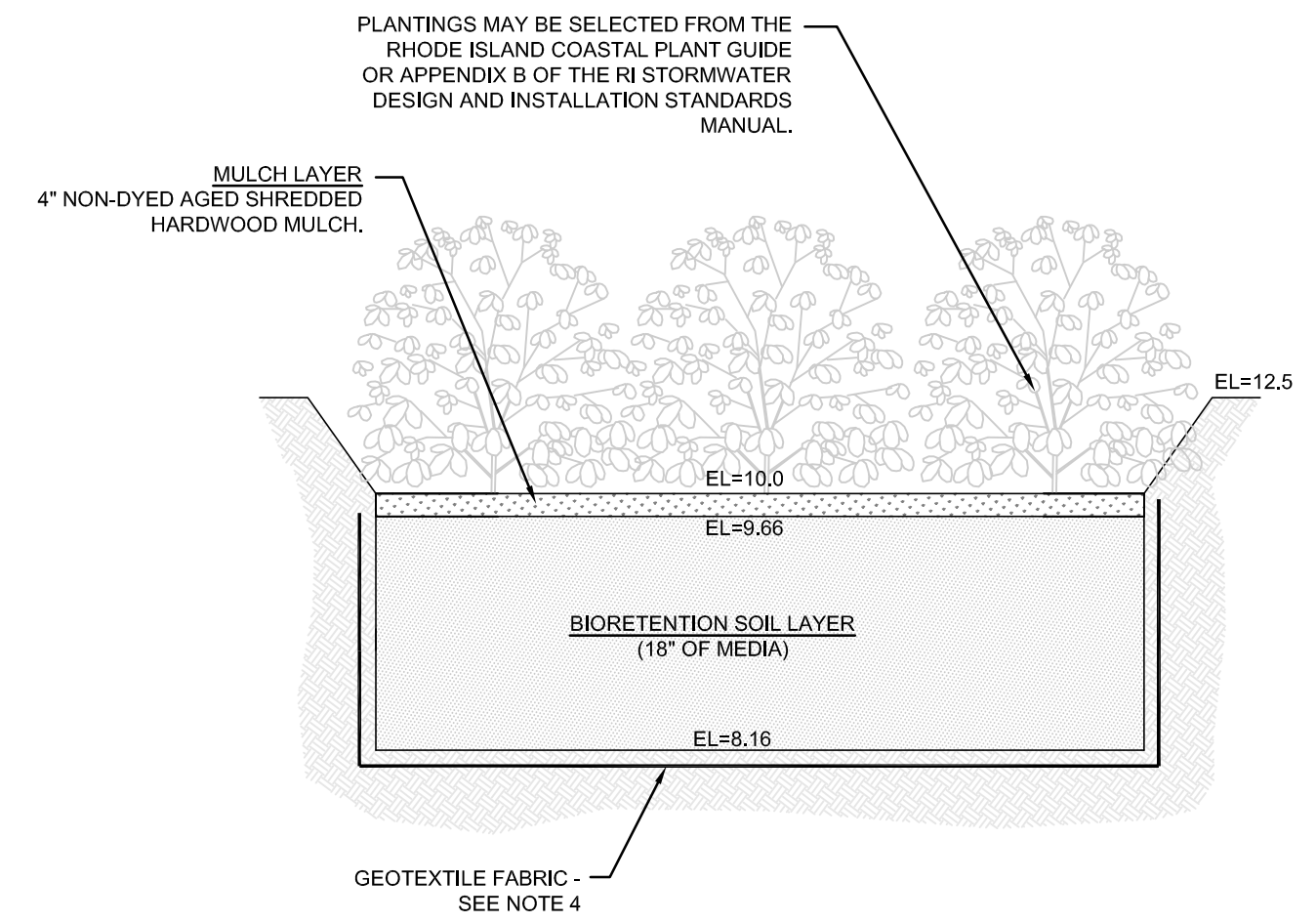
PRECAST ROUND CATCH BASIN & DRAIN MANHOLE (RIDOT 4.4.0)  
SCALE: NOT TO SCALE

TABLE 1

CATCH BASIN DIAMETER (D)	A	B	CIRCUMFERENTIAL STEEL REINFORCEMENT REQUIRED*
4'-0"	5"	6"	0.12 SQ. IN./LIN. FT.
5'-0"	6"	7"	0.15 SQ. IN./LIN. FT.
6'-0"	7"	8"	0.18 SQ. IN./LIN. FT.
8'-0"	9"	8"	REFER TO MANUFACTURER

\* FOR LONGITUDINAL (VERTICAL STANDING) REINFORCEMENT REFER TO ASTM C478, ITEM 8.1.2

- NOTES:**
- SHALL BE ACCORDANCE WITH SECTION 702 OF THE R.I. STANDARD SPECIFICATION.
  - SEE TABLE 1 FOR STEEL REINFORCEMENT REQUIREMENTS.
  - STEEL REINFORCEMENT FOR BASE SECTION BOTTOM SHALL BE A MINIMUM OF 0.12 SQ. IN./LIN. FT. (BOTH WAYS).
  - STEPS SHALL CONFORM TO STD. 5.3.0 AND SHALL BE INSTALLED AT THE CASTING PLANT.
  - ONE POUR MONOLITHIC BASE SECTION.
  - ANY NECESSARY ADJUSTMENTS DURING CONSTRUCTION WILL BE DONE BY SAW-CUTTING AND/OR CORING ONLY. NO JACKHAMMERS, HAMMERS AND CHISELS OR PNEUMATIC TOOLS WILL BE ALLOWED.
  - CORBEL MADE OF RED CLAY BRICK WILL BE PERMITTED FOR THE "CONE SECTION" OF THE 4'-0" CATCH BASIN ONLY.
  - THE CENTERLINE OF THE OPENING MUST BE WITHIN 2'-0" FROM THE STEPS.
  - ALTERNATIVE TOP SLAB IS STEEL REINFORCED TO MEET OR EXCEED H-25 LOADING (SEE STD. 4.7.2).
  - ALTERNATIVE TOP SLAB IS ONLY FOR USE WHEN REDUCING SECTION DOES NOT FIT BECAUSE OF STRUCTURE DEPTH.
  - REFER TO STD. 5.2.0 FOR MAXIMUM PIPE SIZES.



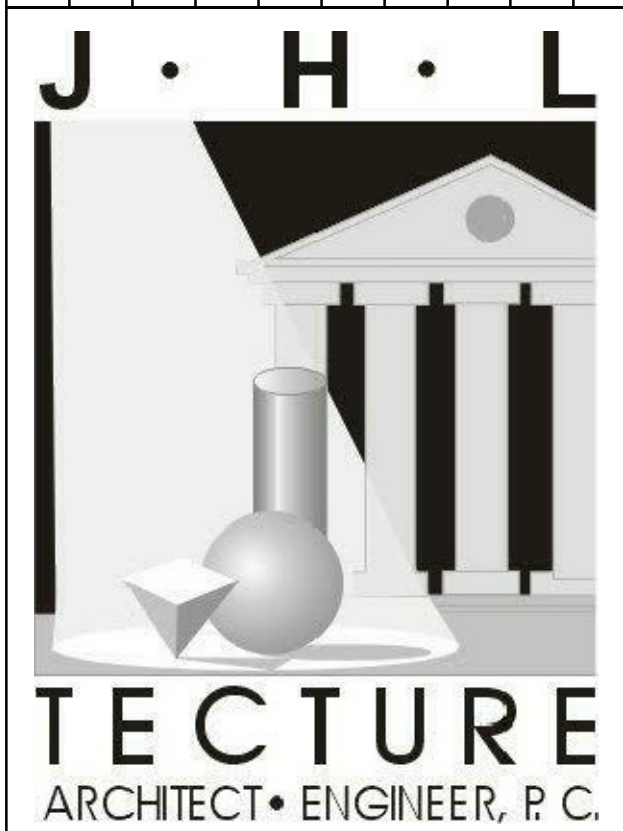
BIORETENTION FILTER BF-5 CROSS SECTION  
SCALE: NOT TO SCALE

- NOTES:**
- BIORETENTION FILTER PLANTINGS MAY BE SELECTED FROM THE RHODE ISLAND COASTAL PLANT GUIDE OR APPENDIX B OF THE RI STORMWATER DESIGN AND INSTALLATION STANDARDS MANUAL AND SHOULD BE SELECTED BY A REGISTERED RI LANDSCAPE ARCHITECT.
  - PLANTINGS MUST BE DENSE AND COVER THE ENTIRETY OF THE FILTER SURFACE.
  - BIORETENTION SOIL SHALL CONSIST OF USDA LOAMY SAND AND MEET THE FOLLOWING GRADATIONS: SAND 85-88% SILT 8-12%, CLAY 0-2%, AND ORGANIC MATTER (LEAF COMPOST) 3-5%.
  - GEOTEXTILE FABRIC SHALL HAVE A PUNCTURE STRENGTH OF 125 LBS, A BURST STRENGTH OF 400 PSI (ASTM D 1117) AND A TENSILE STRENGTH OF 300 LBS (ASTM D 1682). FABRIC SHALL BE MIN 0.08" THICK WITH AN EQUIVALENT OPENING SIZE OF #80 SIEVE AND A MINIMUM FLOW RATE OF 125 GPM PER SQUARE FOOT.

- GENERAL NOTES:**
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  - Contractor shall verify all dimensions in the field and notify Architect of any discrepancies.
  - The Contractor shall provide all materials indicated, graphically, as annotated or as needed for a complete and proper installation, and shall notify Architect of any discrepancies in identification of the materials required.
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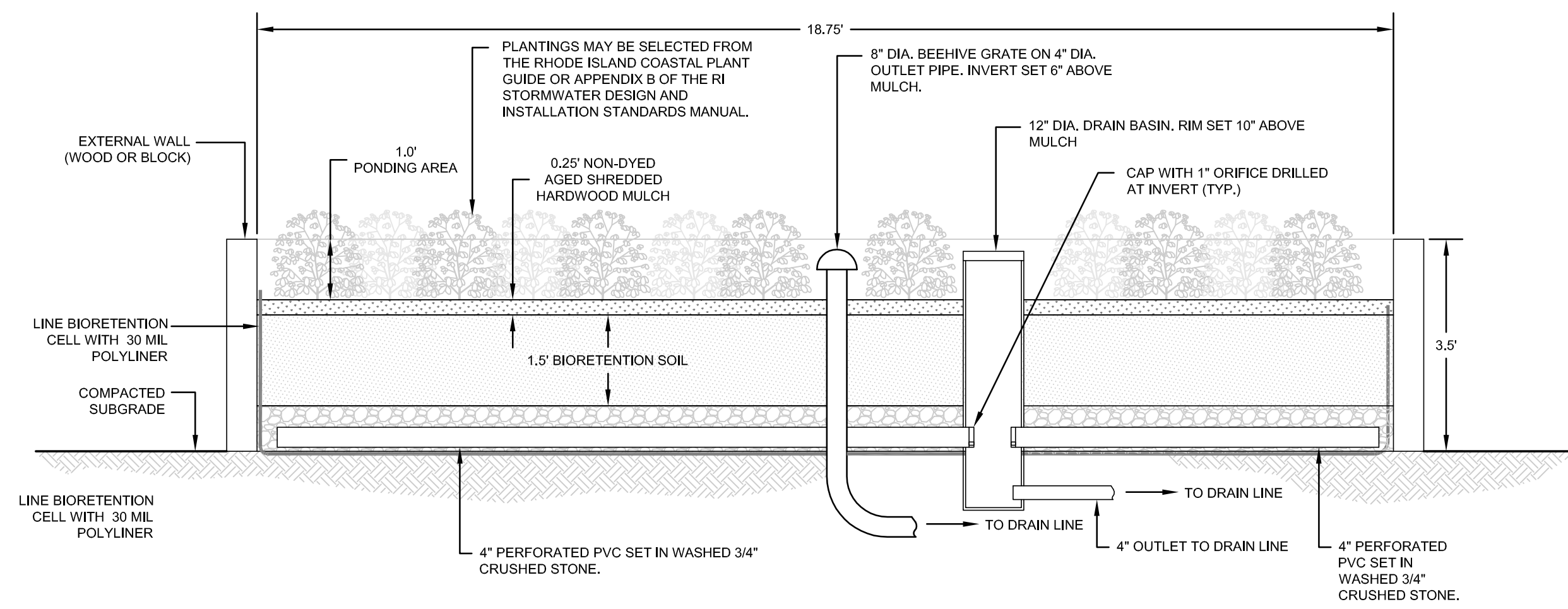
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GENERAL PLANNING DRAWINGS FOR:  
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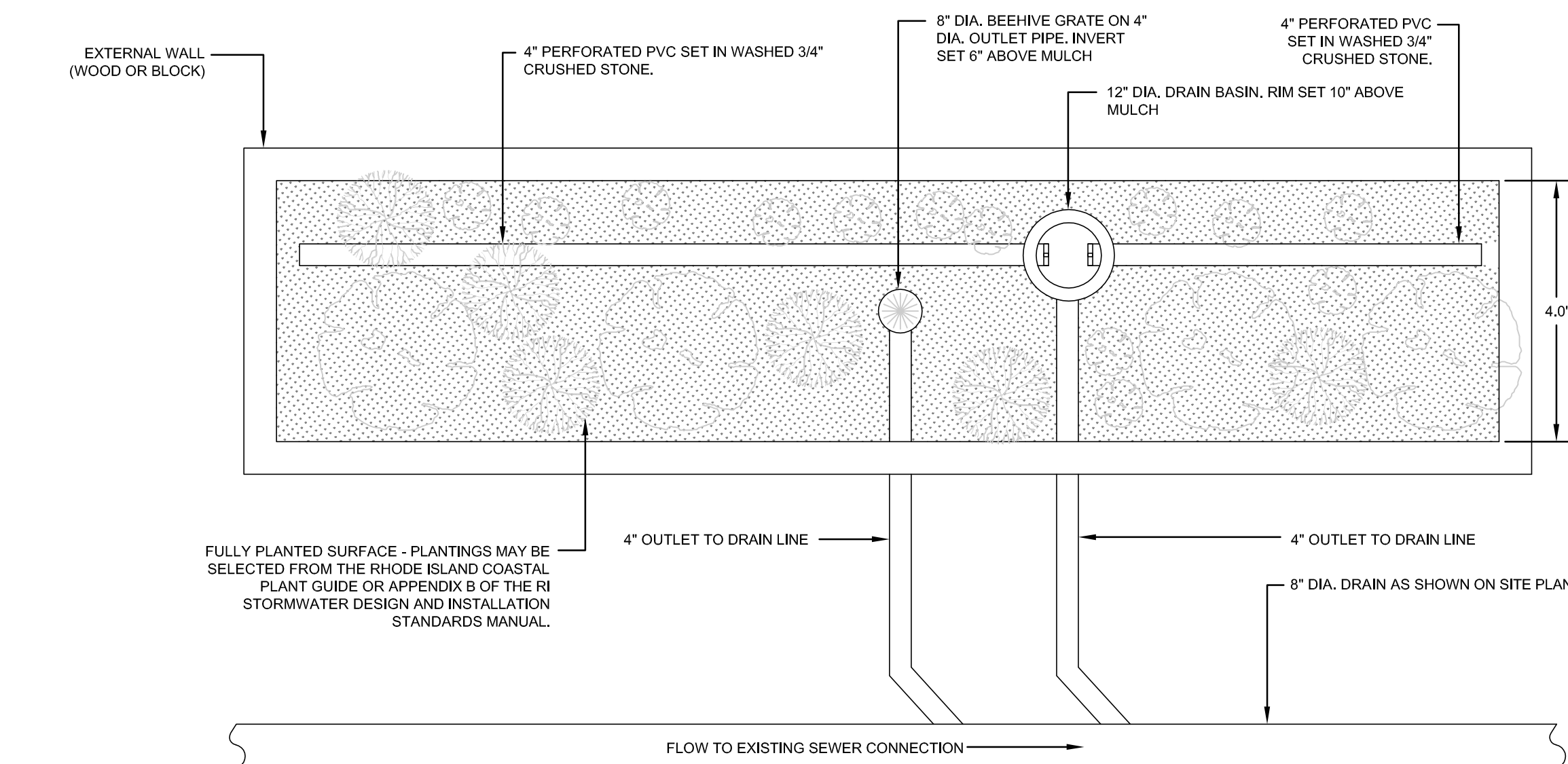
GENERAL PLANNING DRAWINGS FOR:  
**GRACE HARBOR CHURCH**  
430 KINSLEY AVENUE  
PROVIDENCE, RI, 02909

SITE DETAILS 1

DATE: 02AUG24  
SCALE: AS SHOWN  
DRAWN BY: JJR  
PROJECT NUMBER:  
7461  
DRAWING NUMBER:  
C-05

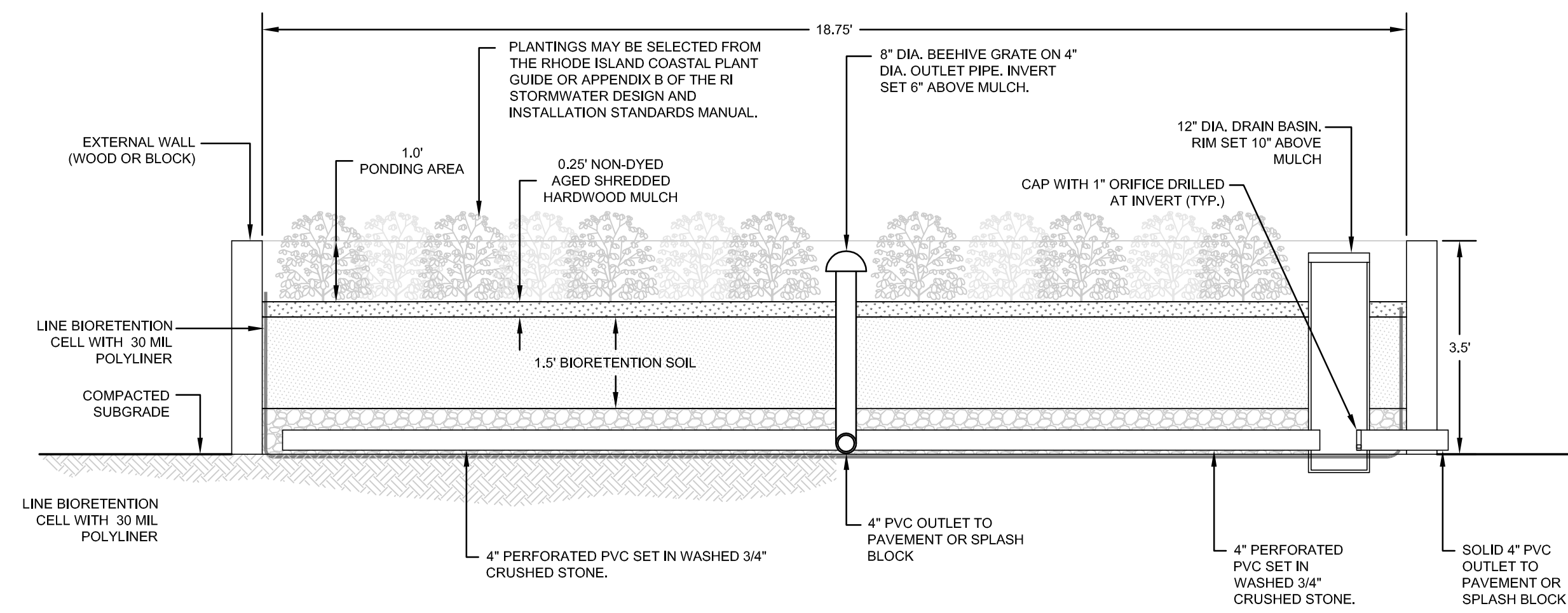


SIDE PROFILE VIEW

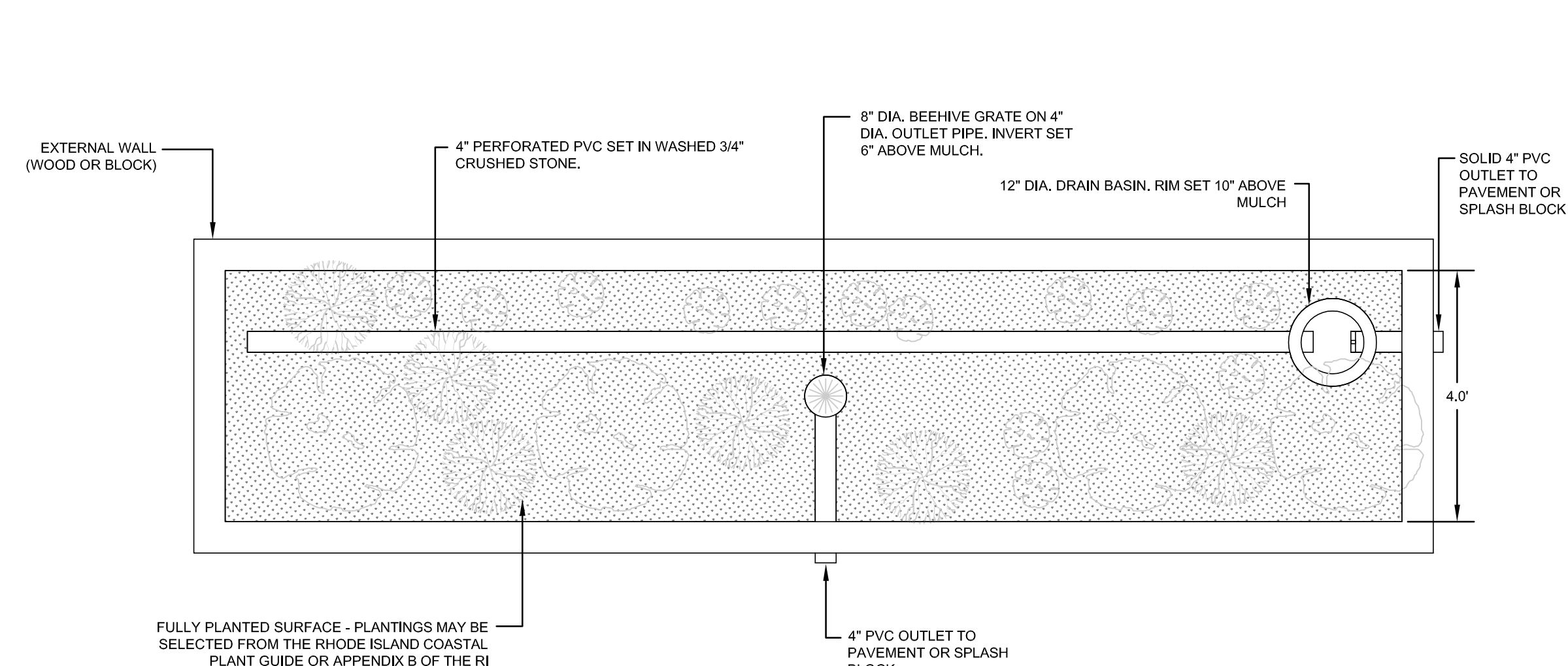


TOP VIEW

STRUCTURAL BIORETENTION FILTER CROSS SECTION (BF-4)  
SCALE: NOT TO SCALE

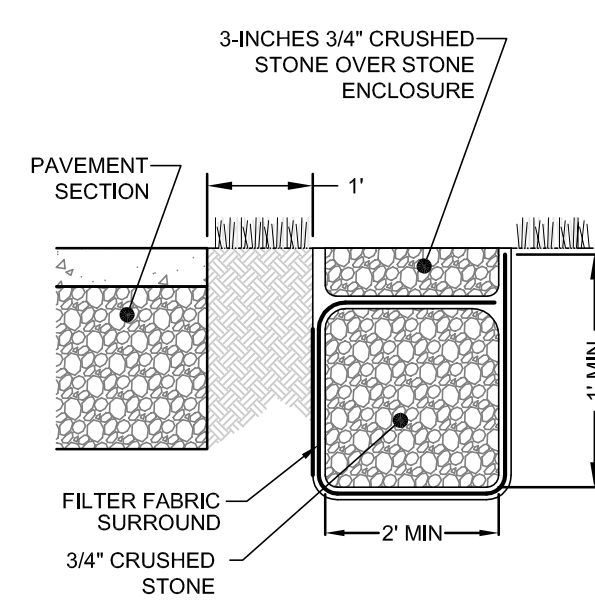
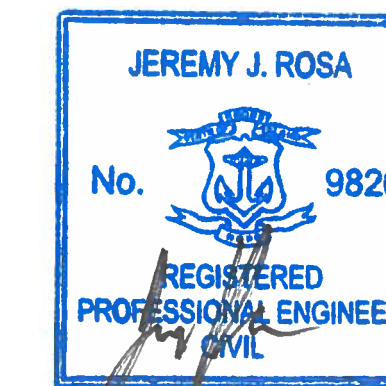


SIDE PROFILE VIEW



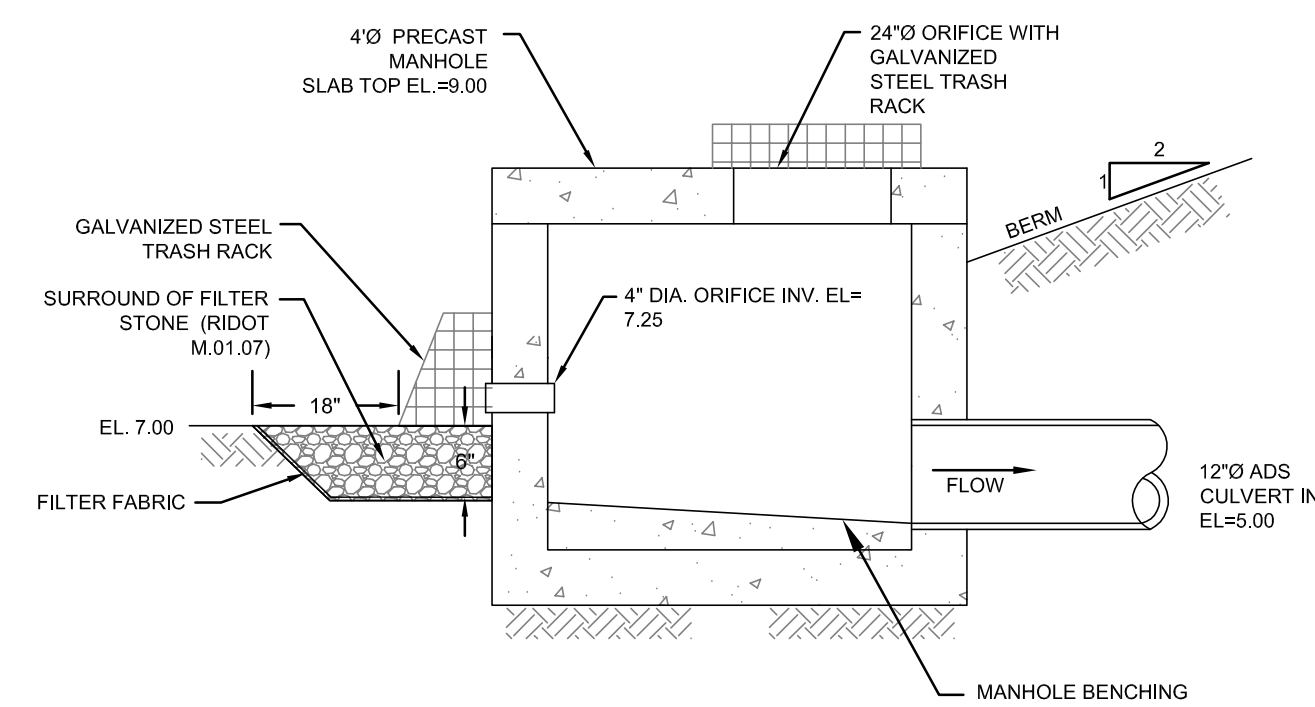
TOP VIEW

STRUCTURAL BIORETENTION FILTER CROSS SECTION (BF-1)  
SCALE: NOT TO SCALE

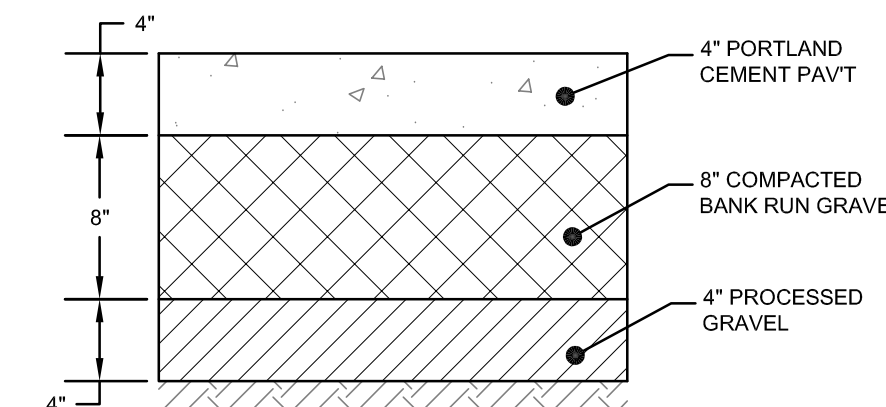


- NOTES:
1. LEVEL SPREADER TO BE PROTECTED FROM SILTATION DURING CONSTRUCTION AND UNTIL ADJACENT VEGETATION IS FULLY ESTABLISHED. (ENGINEER TO DO FINAL INSPECTION).

BIORETENTION BF-6 STONE EDGE INLET TRENCH  
SCALE: NOT TO SCALE

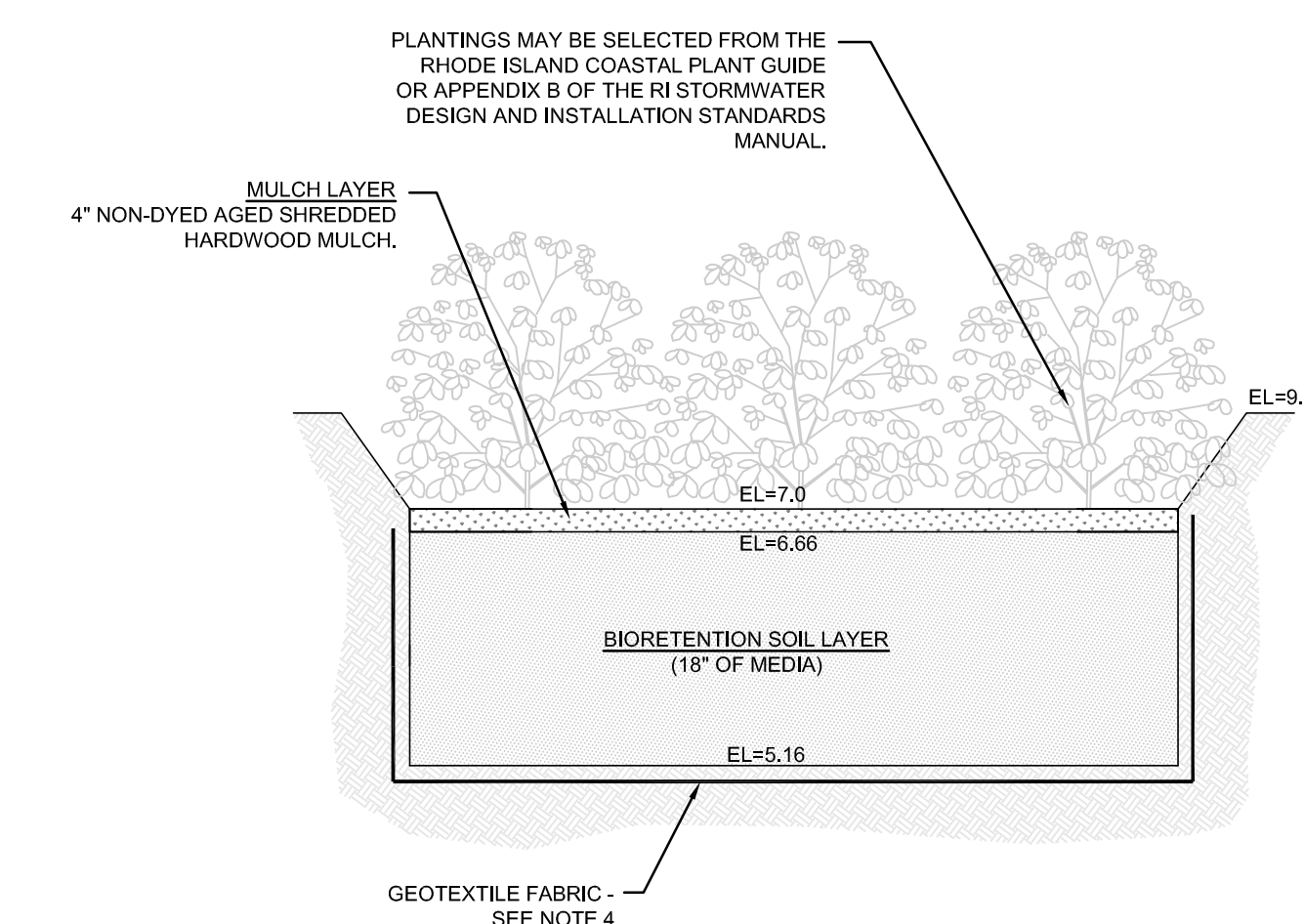


BIORETENTION BF-6 OUTLET STRUCTURE DETAIL  
SCALE: NOT TO SCALE



- NOTES:
1. FOR SIDEWALK WIDTH, SEE SITE PLAN.
  2. LANDSCAPE ARCHITECT MAY SPECIFY ALTERNATE.

TYPICAL CONCRETE WALKWAY  
SCALE: NOT TO SCALE



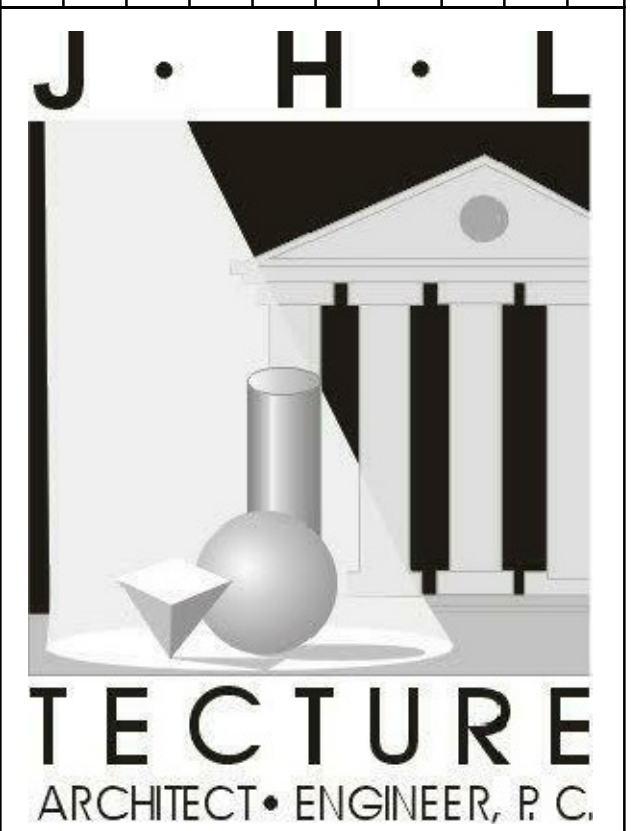
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BIORETENTION FILTER BF-6 CROSS SECTION  
SCALE: NOT TO SCALE

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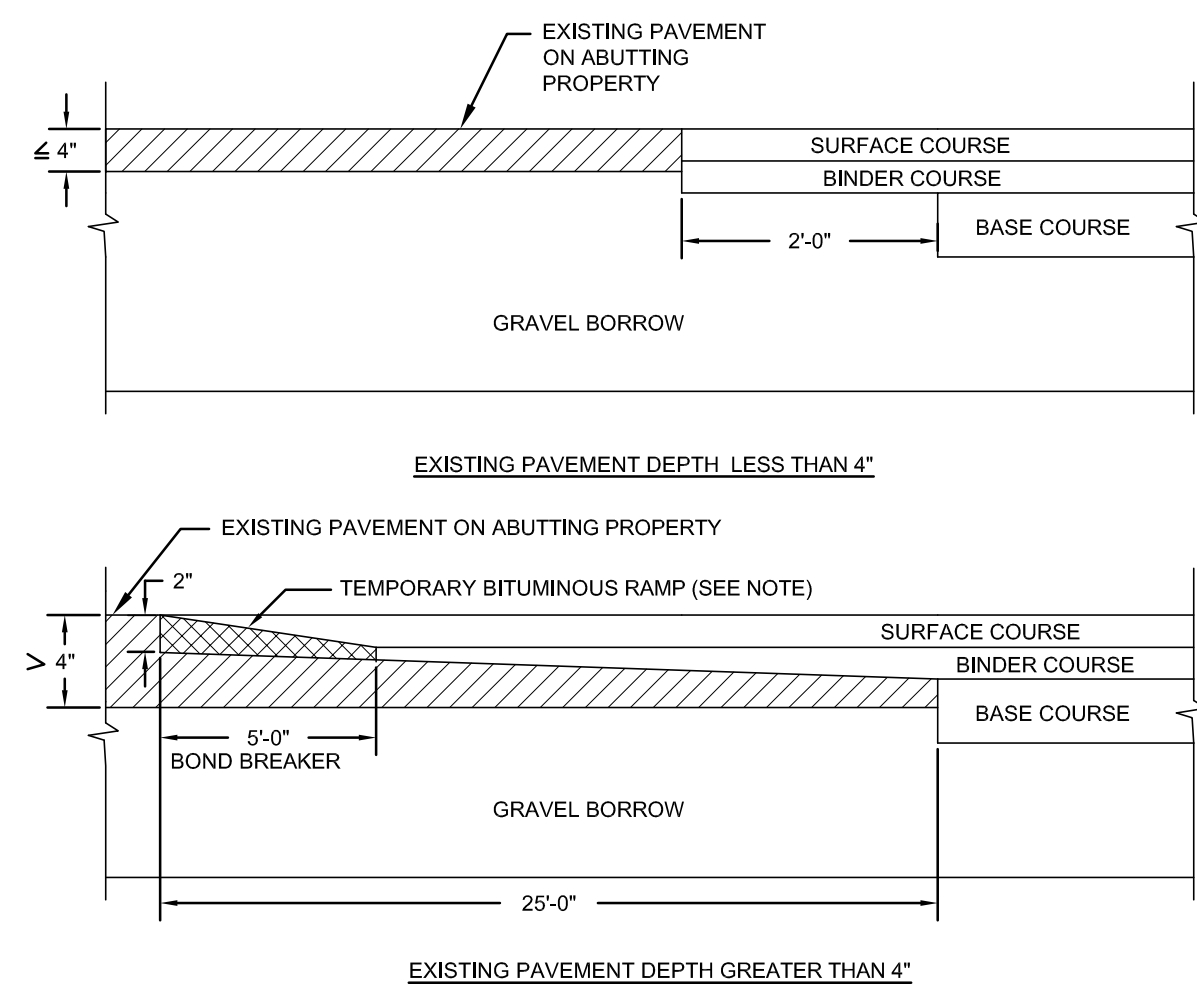
GENERAL PLANNING  
DRAWINGS FOR:  
THIS SET IS FOR SCHEMATIC DESIGN DOCUMENTATION AND SHOULD NOT BE USED FOR CONSTRUCTION PURPOSES

GENERAL PLANNING  
DRAWINGS FOR:  
**GRACE  
HARBOR  
CHURCH**

430 KINSLEY AVENUE  
PROVIDENCE, RI, 02909

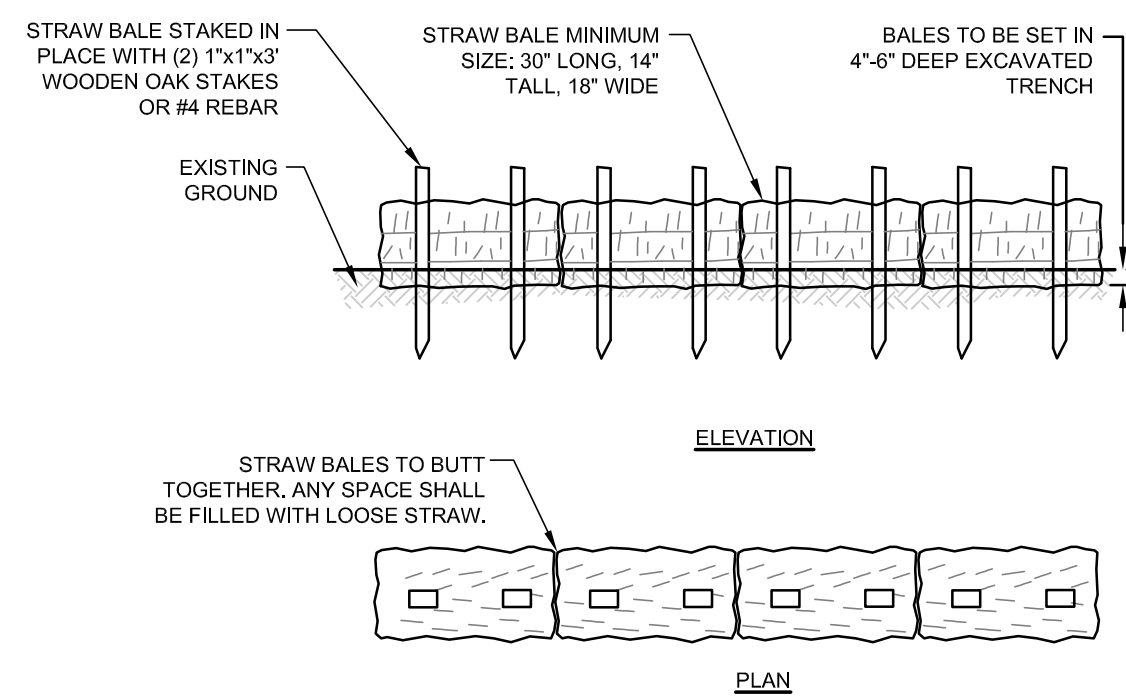
SITE DETAILS 2

DATE: 02AUG24  
SCALE: AS SHOWN  
DRAWN BY: JJR  
PROJECT NUMBER:  
7461  
DRAWING NUMBER:  
C-06



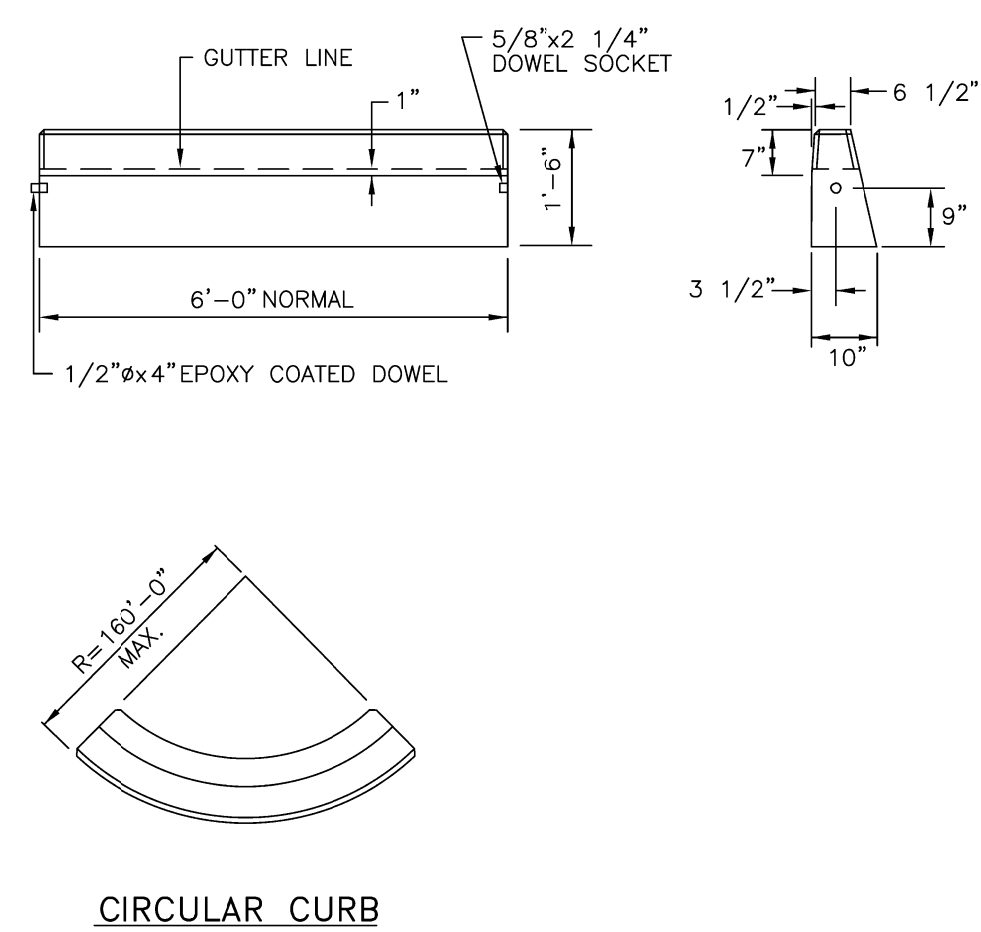
**NOTE:**  
A BOND BREAKER (TAPERED OR EQUIVALENT) WILL BE PLACED 5'-0" FROM THE JOINT AND COVERED WITH THE BINDER COURSE AS THE TEMPORARY RAMP. PRIOR TO THE SURFACE COURSE, THE BINDER COURSE AND BOND BREAKER WILL BE REMOVED.

**TYPICAL CUT AND MATCH PAVEMENT DETAIL**  
SCALE: NOT TO SCALE



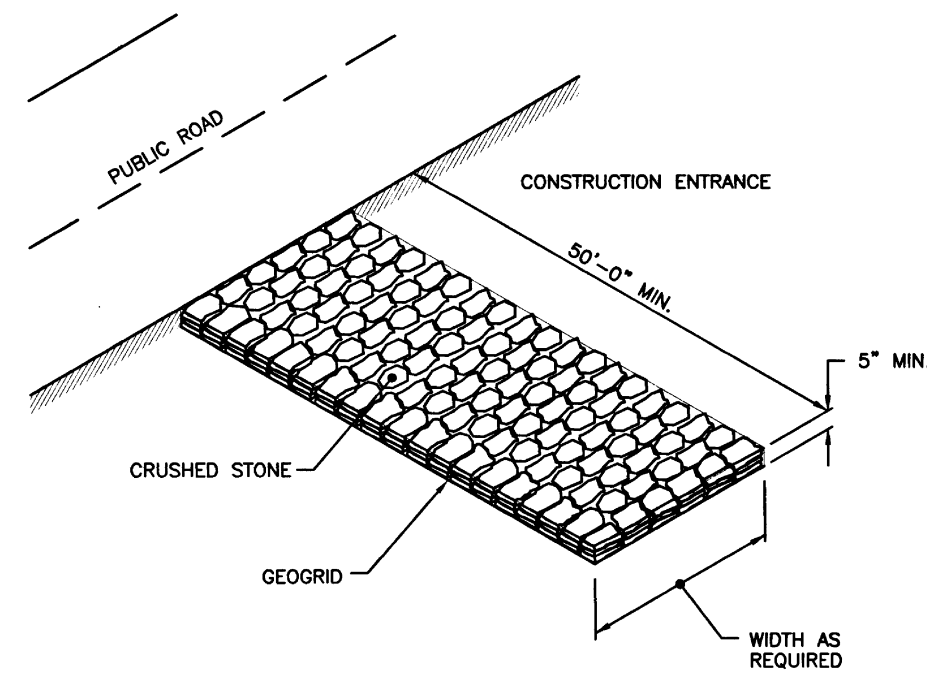
- NOTES:**
- BALE WEIGHT SHALL NOT BE LESS THAN 50 LBS AND SHALL BE BOUND WITH NO LESS THAN TWO STRINGS OR WIRES CONTAINING A MINIMUM OF FIVE (5) CUBIC FEET OF MATERIAL. MINIMUM DIMENSIONS SHOWN IN DETAIL.
  - STRAW BALES SHALL BE CERTIFIED AS BEING NOXIOUS WEED-FREE BALES. TO BE "CERTIFIED" MEANS THAT THE PRODUCT IS FREE OF ANY NOXIOUS WEEDS.
  - STAKES SHALL BE DRIVEN THROUGH STAKES AT A SLIGHT UPSTREAM ANGLE TO PREVENT BALE FROM OVERTURNING.
  - LOOSE STRAW SHALL BE WEDGED BETWEEN BALES AFTER INSTALLATION.
  - MATERIAL EXCAVATED FROM TRENCH SHALL BE BACKFILLED, COMPACTED, AND STABILIZED.

**BALED STRAW EROSION CONTROL BARRIER**  
SCALE: NOT TO SCALE



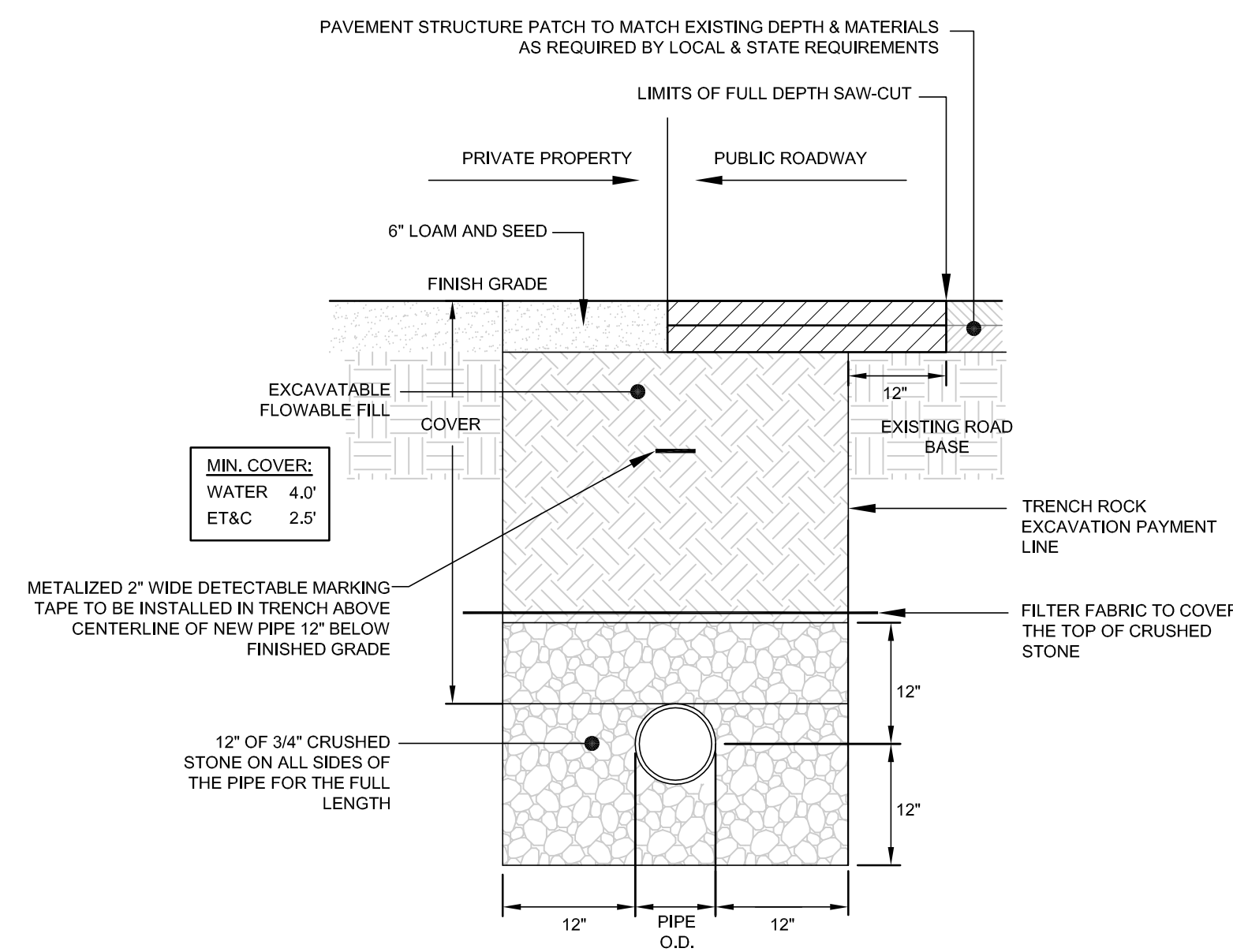
- NOTES:**
- SHALL BE IN ACCORDANCE WITH SECTION 906 OF THE R.I. STANDARD SPECIFICATIONS.
  - MINIMUM LENGTH OF STRAIGHT OR CIRCULAR FILLER PIECES TO BE 3'-0".
  - EXPOSED SURFACES TO HAVE A SPONGE FLOAT FINISH.
  - CIRCULAR CURB IS REQUIRED ON CURVES WITH RADIUS OF 160'-0" OR LESS. STRAIGHT CURB TO BE USED ON CURVES OF MORE THAN 160'-0" RADIUS.
  - EXPOSED EDGES TO HAVE A 3/4" CHAMFER.

**PRECAST CONCRETE CURB (RIDOT STD 7.1.0)**  
SCALE: NOT TO SCALE

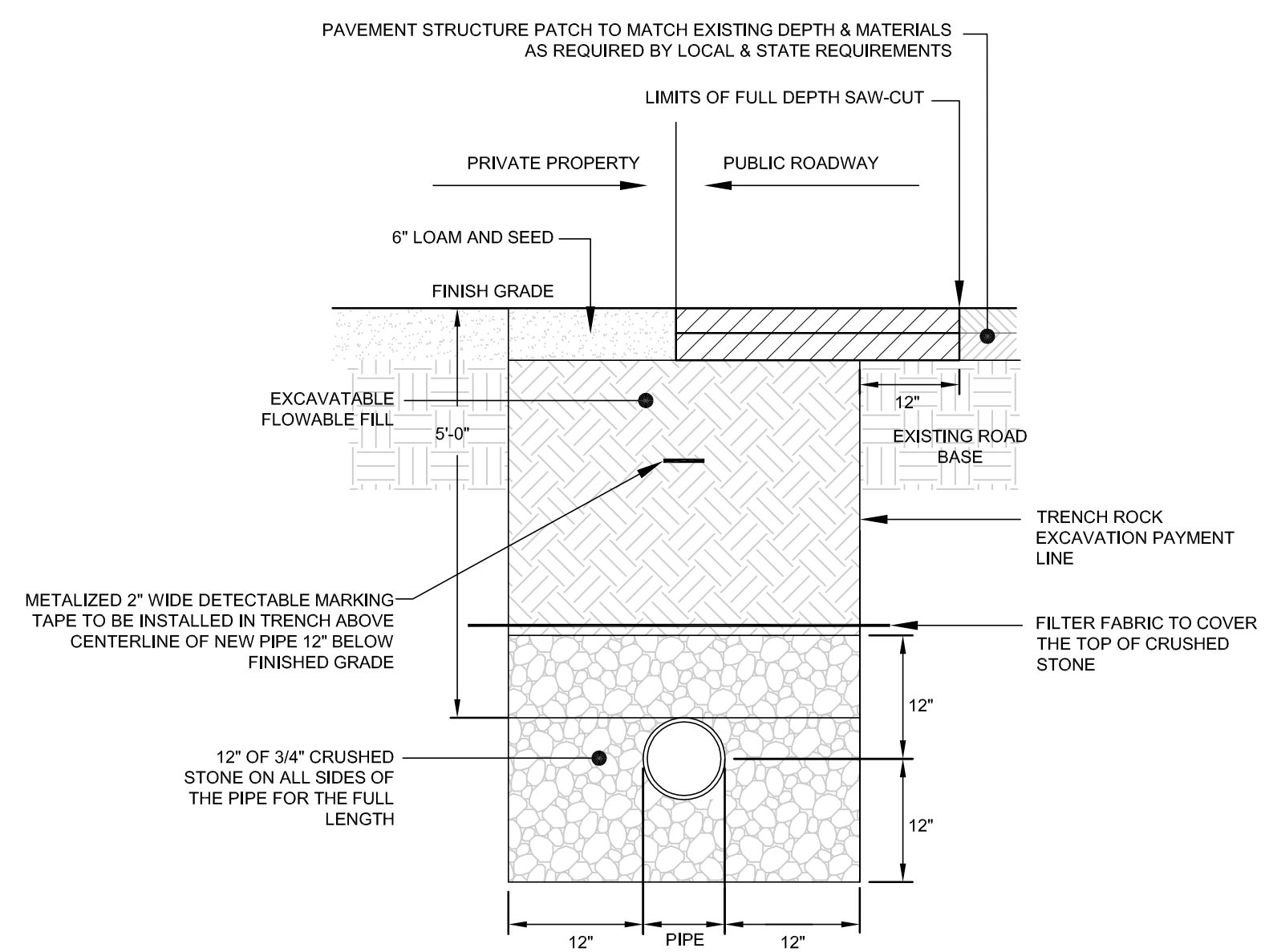


**NOTE:**  
SHALL BE IN ACCORDANCE WITH SECTION 211 OF THE R.I. STANDARD SPECIFICATIONS.

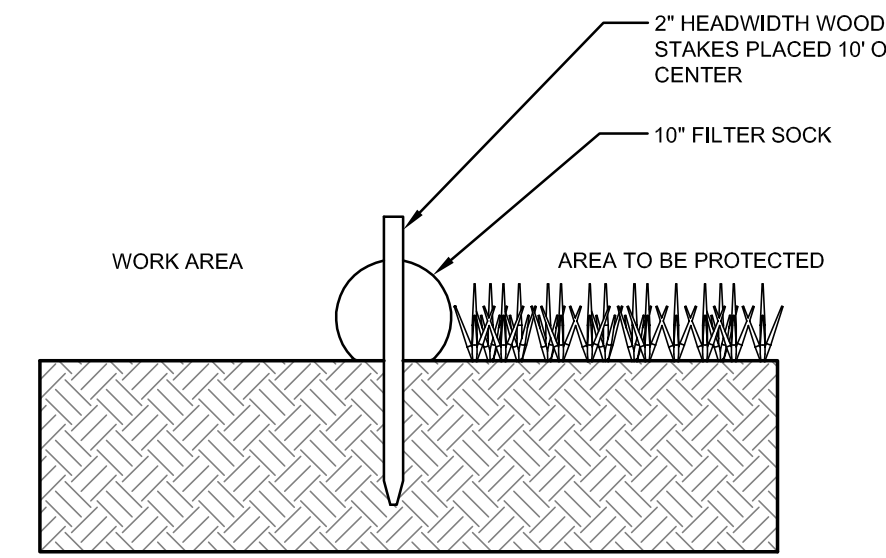
**STONE CONSTRUCTION ACCESS (RIDOT 9.9.0)**  
SCALE: NOT TO SCALE



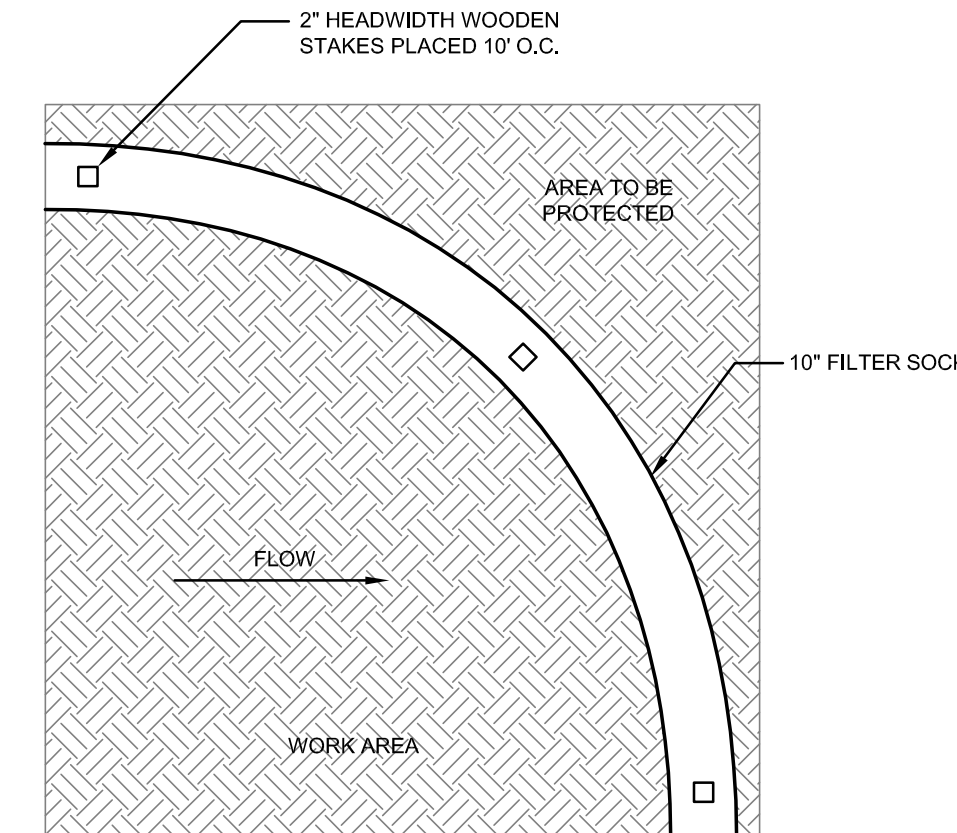
**UTILITY (NON-SEWER) TRENCH SECTION**  
SCALE: NOT TO SCALE



**SEWER SERVICE TRENCH SECTION**  
SCALE: NOT TO SCALE

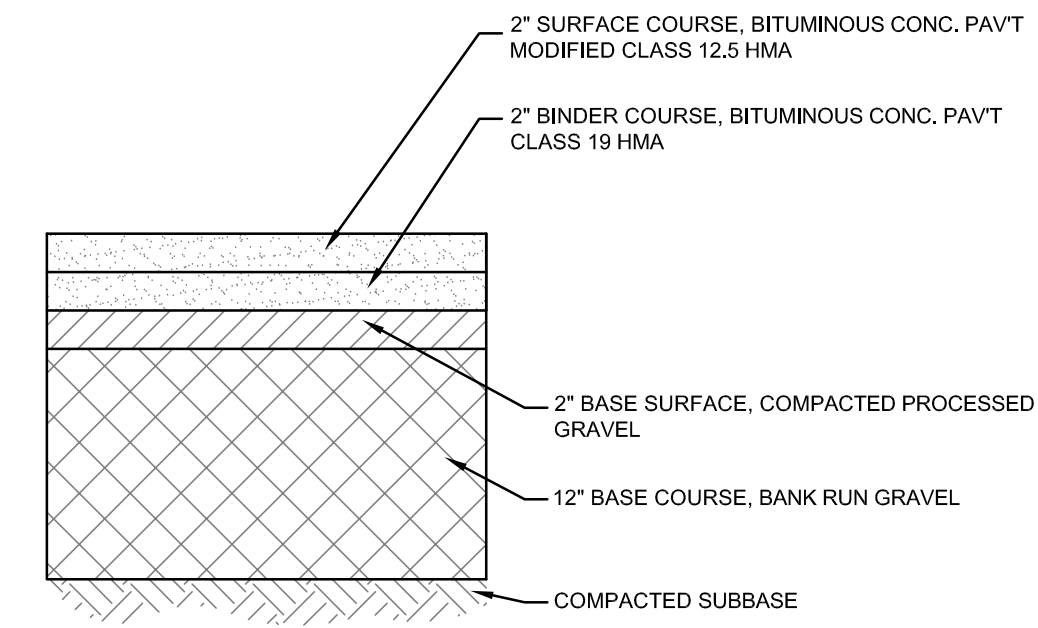


**SECTION VIEW**

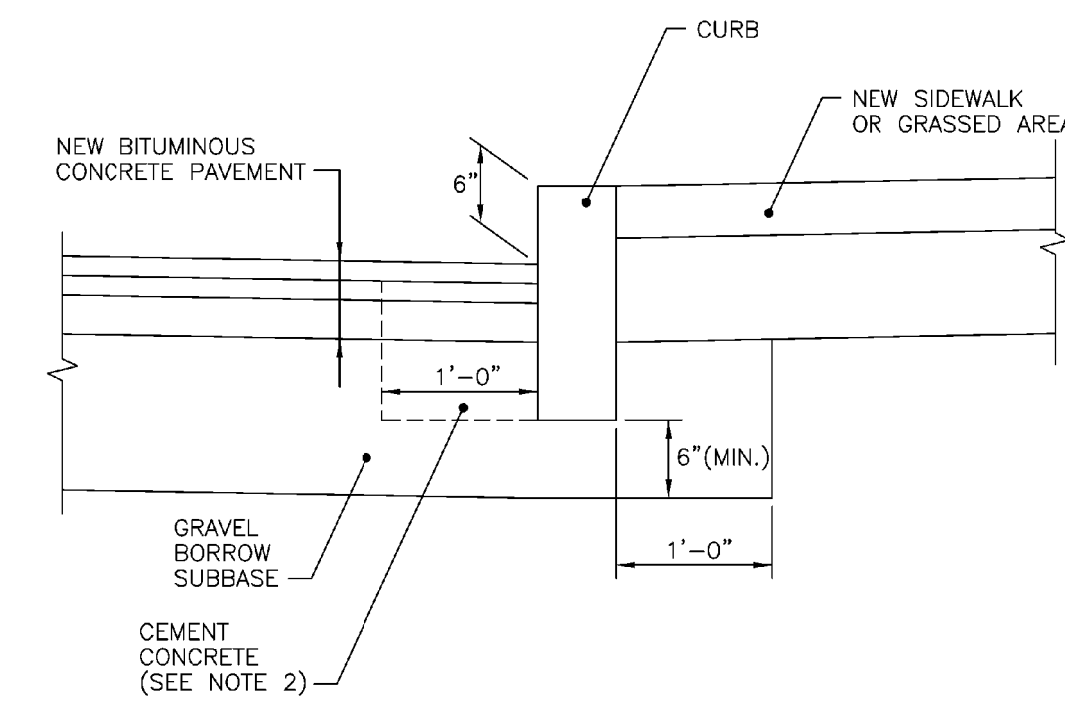


**TOP VIEW**

**10" FILTER SOCK DETAIL**  
SCALE: NOT TO SCALE

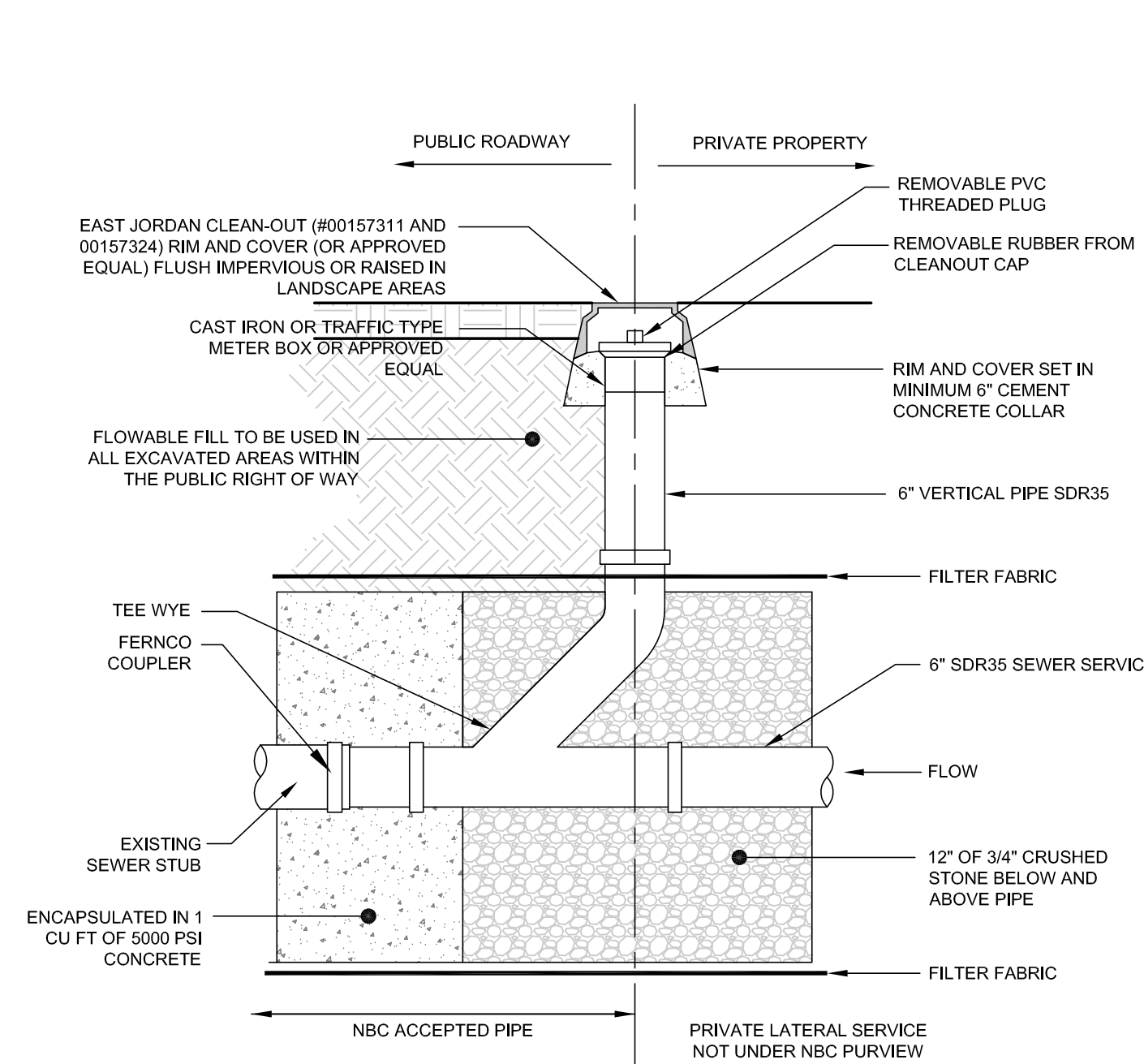


**TYPICAL BITUMINOUS PAVEMENT SECTION**  
SCALE: NOT TO SCALE

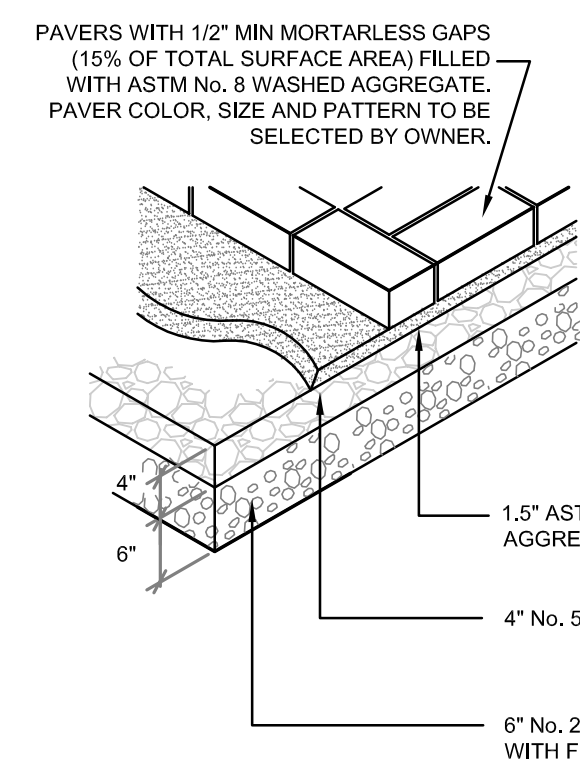


- NOTES:**
- SHALL BE IN ACCORDANCE WITH SECTION 906 OF THE R.I. STANDARD SPECIFICATIONS.
  - CEMENT CONCRETE SHALL BE USED ONLY WHEN THE CURB IS SET AFTER THE BASE AND/OR BINDER COURSES ARE IN PLACE. OTHERWISE THE CEMENT CONCRETE WILL BE ELIMINATED AND THE GRAVEL BROUGHT UP TO BOTTOM OF THE BASE COURSE.

**CURB SETTING DETAIL (RIDOT STD 7.6.0)**  
SCALE: NOT TO SCALE



**SEWER SERVICE CLEANOUT DETAIL**  
SCALE: NOT TO SCALE



**NOTE:** PAVER VOID MATERIAL SHALL BE COMPACTED WITH A MINIMUM 5,000 LB. PLATE COMPACTOR.

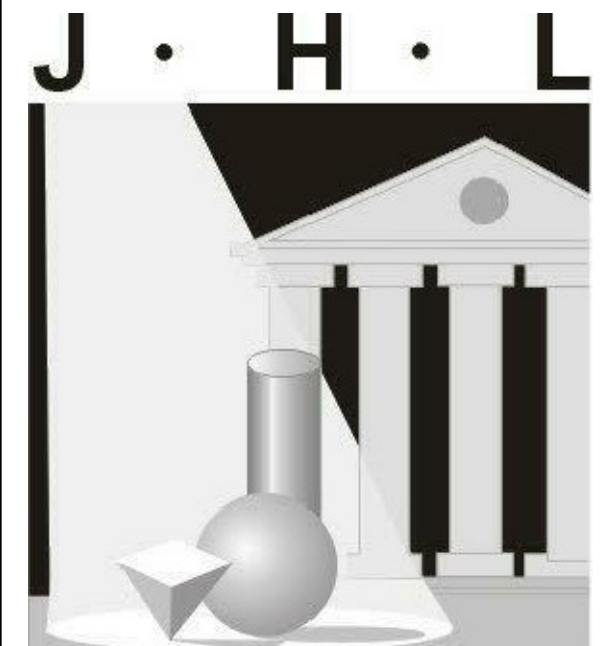
**TYPICAL PERVIOUS PAVER PATIO SECTION**  
SCALE: NOT TO SCALE



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190 High Street • Bristol RI 02809  
401.396.9630 • Fax 401.410.0079

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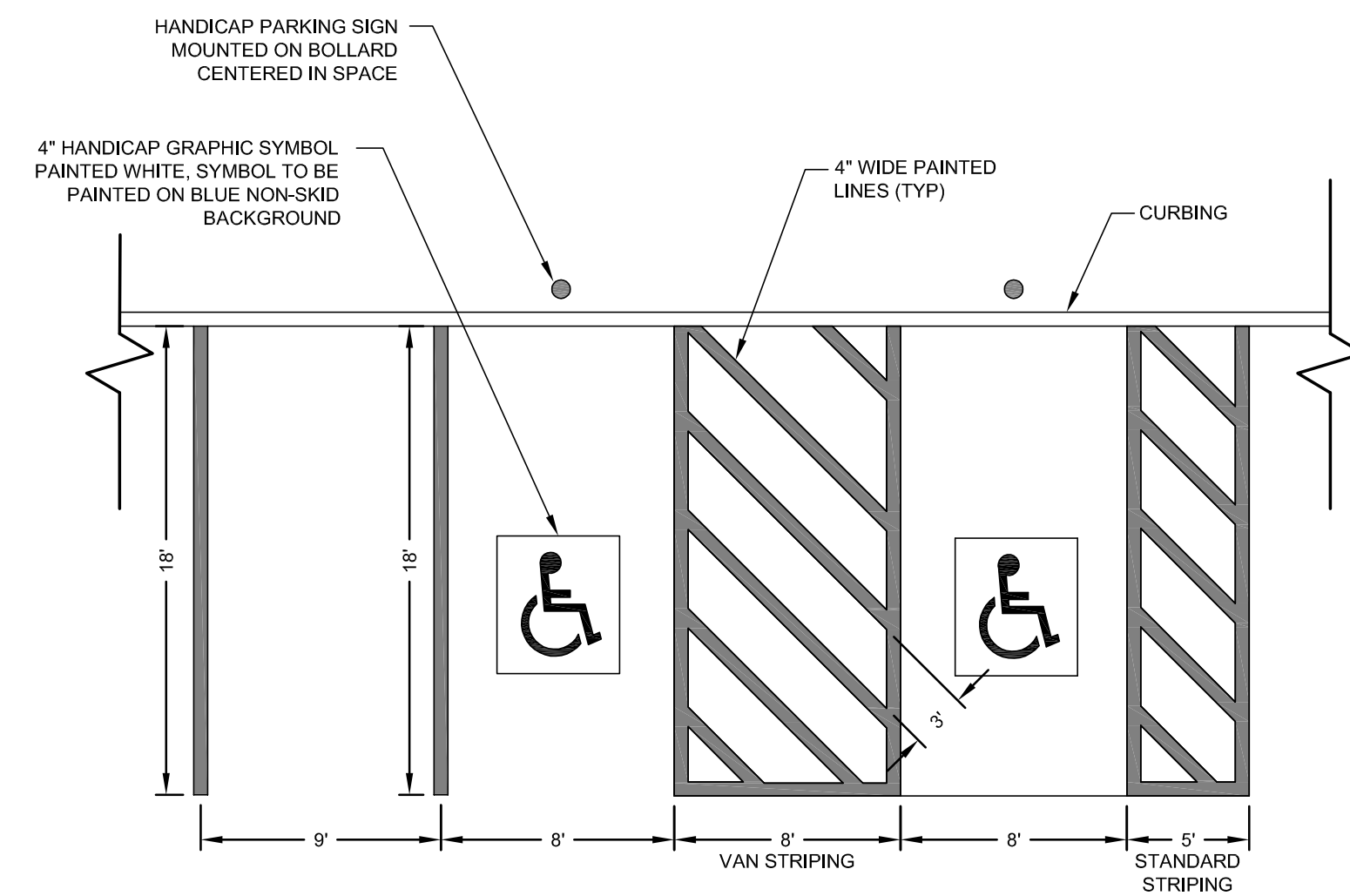
**GENERAL PLANNING DRAWINGS FOR:**  
**GRACE HARBOR CHURCH**

430 KINSLEY AVENUE  
PROVIDENCE, RI, 02909

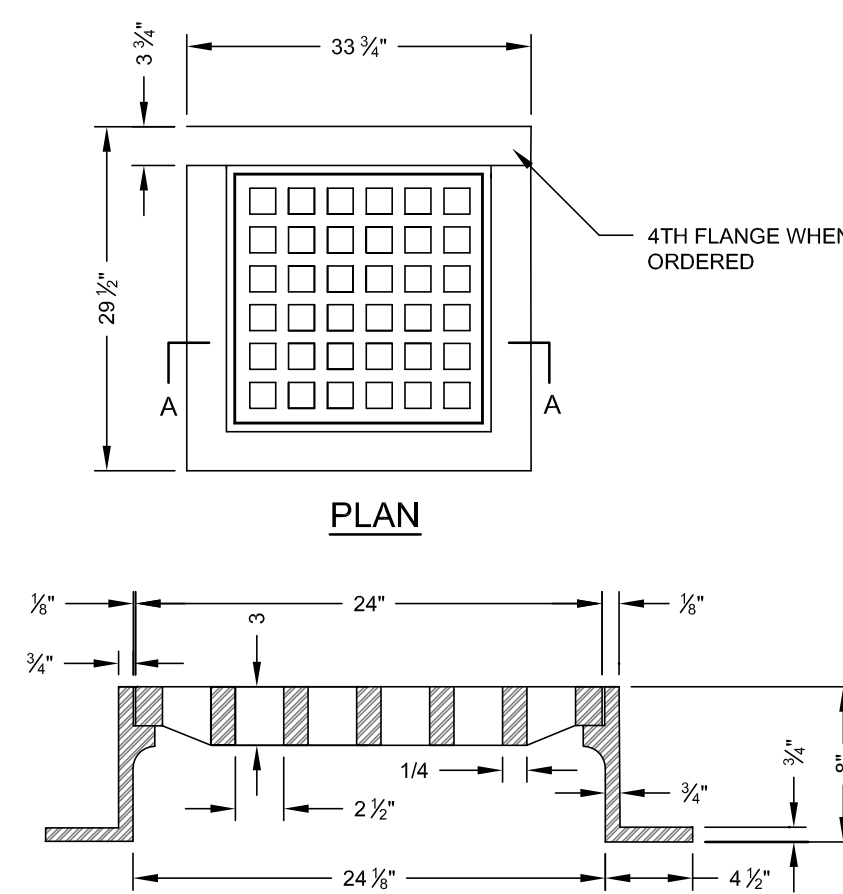
**SITE DETAILS 3**

DATE: 28AUG24  
SCALE: AS SHOWN  
DRAWN BY: JJR  
PROJECT NUMBER:  
**7461**

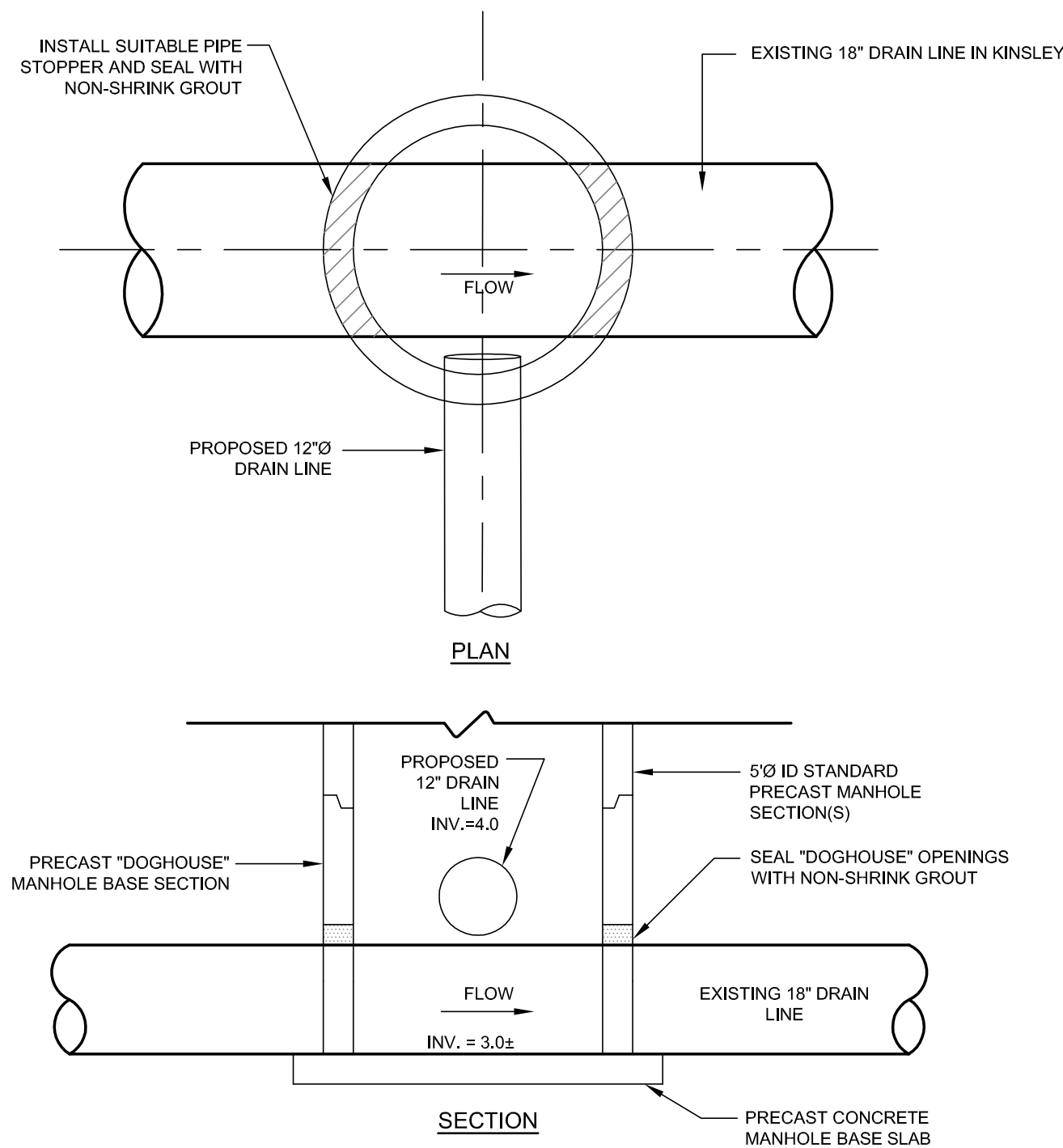
DRAWING NUMBER:  
**C-07**



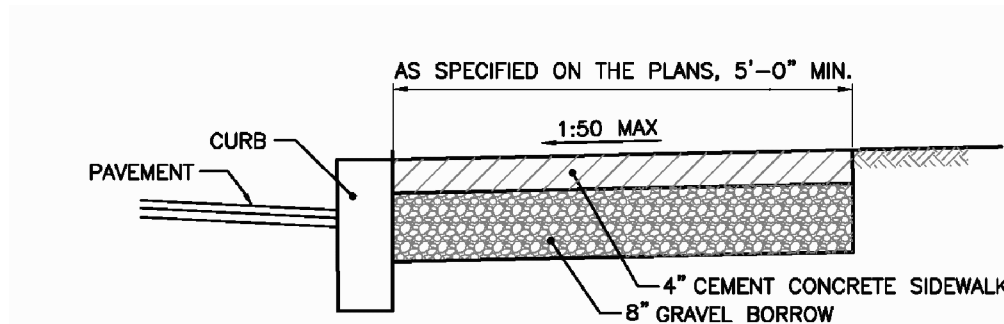
**PARKING STALL STRIPING**  
SCALE: NOT TO SCALE



**SQUARE FRAME AND GRATE (RIDOT 6.3.0)**  
SCALE: NOT TO SCALE

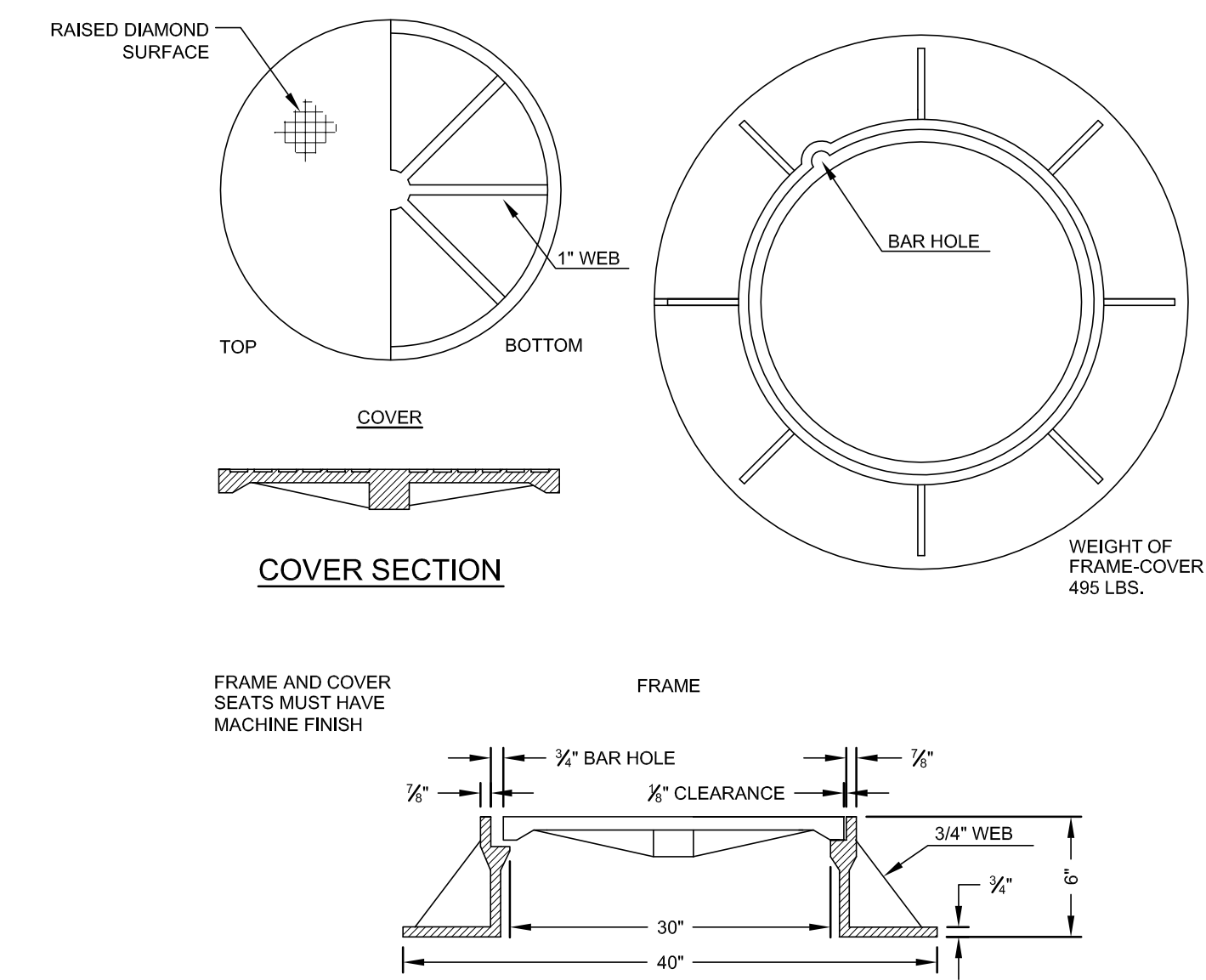


**DOGHOUSE DRAIN MANHOLE FOR CONNECTION TO MUNICIPAL DRAIN**  
SCALE: NOT TO SCALE

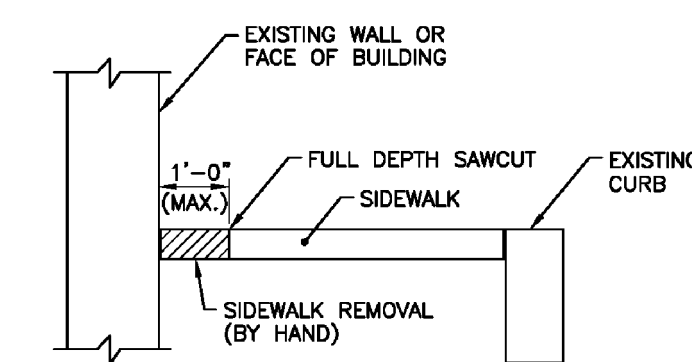


- NOTES**
1. SHALL BE IN ACCORDANCE WITH SECTION 905 OF THE R.I. STANDARD SPECIFICATIONS.
  2. SEE CURB SETTING DETAIL WHERE APPLICABLE.
  3. RUNNING SLOPE OF SIDEWALK SHALL NOT EXCEED 8.3% (1:12). TYPICALLY, RUNNING SLOPE SHALL MATCH ROAD SLOPE.
  4. CROSS SLOPE OF SIDEWALK SHALL NOT EXCEED 2% (1:50).
  5. SIDEWALK MAY BE SUBJECT TO GRASS STRIP INSTALLATION. CONSULT WITH DPW ENGINEERING.
  6. GRAVEL BORROW BASE SHALL COMPACT TO ACHIEVE SOIL DENSITY VALUES OF 95% MODIFIED PROCTOR DENSITY (AASHTO T180).
  7. SIDEWALK REPAIRS TWENTY FEET OR LONGER ARE SUBJECT TO REQUIREMENTS HEREIN. SIDEWALK REPAIRS SHORTER THAN TWENTY FEET SHALL MAKE EVERY EFFORT TO MEET REQUIRED SLOPES.
  8. CONTROLL JOINTS SHALL BE INSTALLED EVERY 5 FEET IN EACH DIRECTION.
  9. EXPANSION JOINTS SHALL BE INSTALLED EVERY 20 FEET IN EACH DIRECTION AT FOUNDATIONS AND WALLS AND IN A SQUARE PATTERN AROUND MANHOLE COVERS, HYDRANTS, SIGN POSTS AND UTILITY POLES. THE EXPANSION JOINT SHALL BE THE FULL DEPTH OF THE SIDEWALK AND FILLED WITH AN APPROVED TYPE OF PREMOLDED EXPANSION JOINT FILLER.

**CEMENT CONCRETE SIDEWALK (PROV 43.1.0 P)**  
SCALE: NOT TO SCALE



**ROUND FRAME AND COVER**  
SCALE: NOT TO SCALE



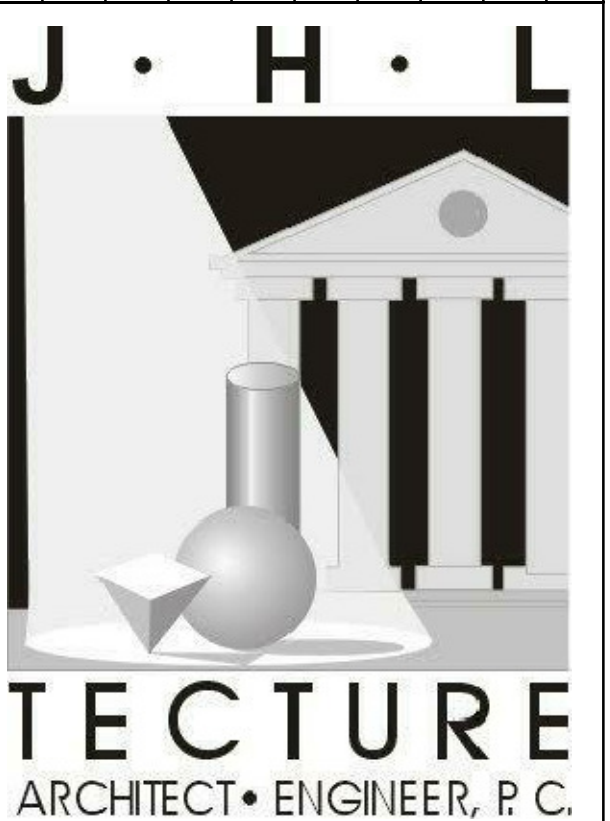
- NOTES:**
1. IN AREAS WHERE SIDEWALKS ARE TO BE REMOVED IN FRONT OF EXISTING WALLS OR BUILDINGS, THE CONTRACTOR SHALL SAWCUT ONE (1) FOOT (MAXIMUM) IN FRONT OF THE WALL/BUILDING AND REMOVE THE SIDEWALK STRUCTURE BY HAND.
  2. IN THE EVENT THAT THE EXISTING SIDEWALK IS A STRUCTURAL ELEMENT OF THE WALL/BUILDING, THE EXISTING SIDEWALK IN FRONT OF THESE STRUCTURES WILL REMAIN IN-PLACE AND A NEW SIDEWALK CONSTRUCTED TO MATCH THE EXISTING SECTION.
  3. ANY DAMAGE TO THE WALL OR BUILDING BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CITY.

**CONCRETE SIDEWALK REMOVAL (PROV 43.1.1 P)**  
SCALE: NOT TO SCALE

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**GENERAL PLANNING  
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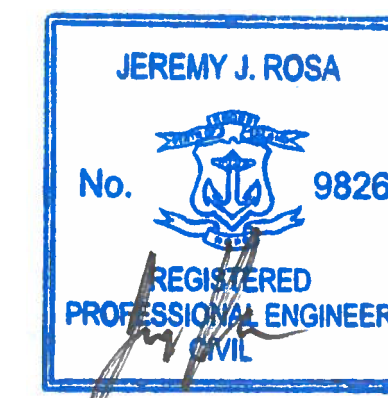
**GRACE  
HARBOR  
CHURCH**

430 KINSLEY AVENUE  
PROVIDENCE, RI, 02909

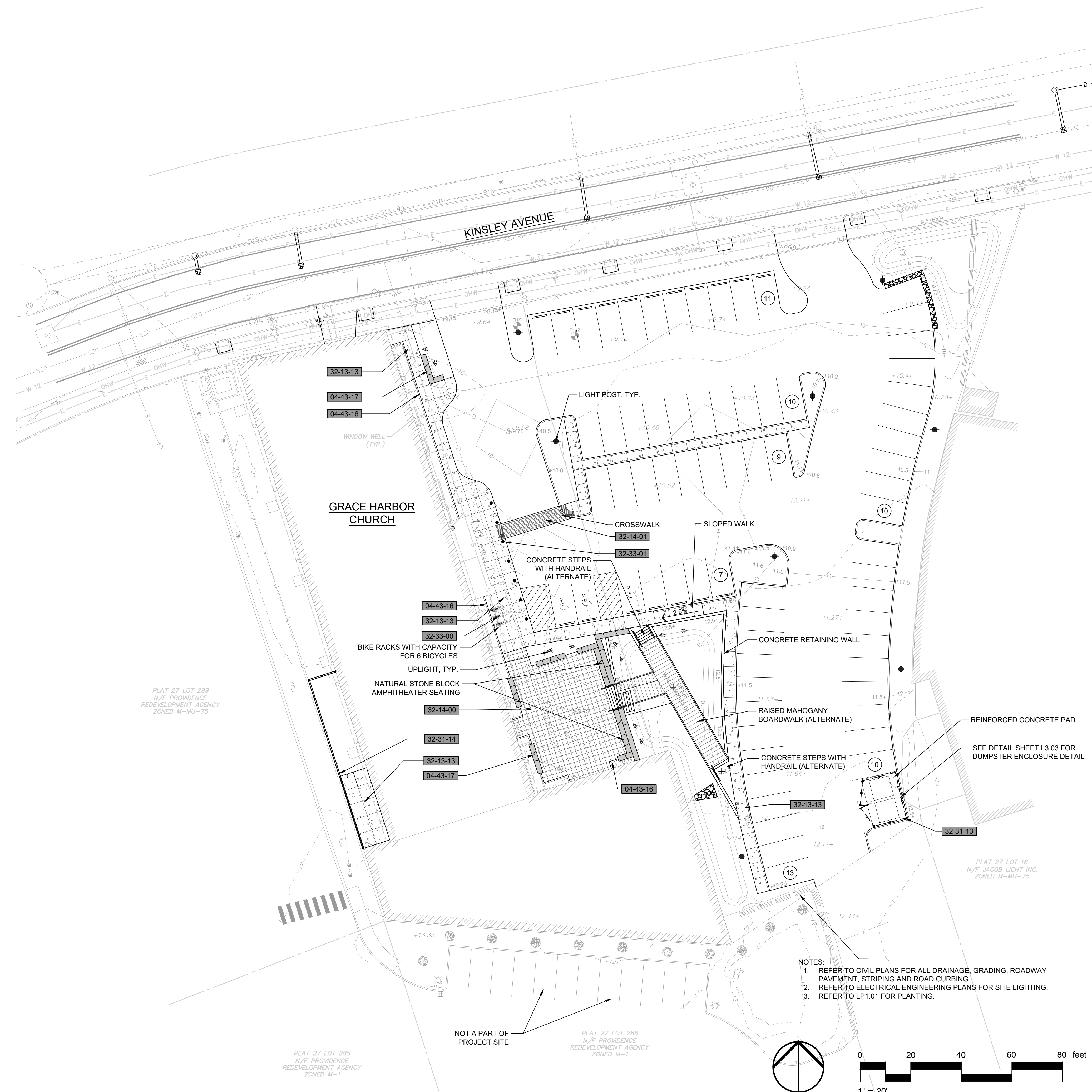
**SITE DETAILS 4**

DATE: 12AUG24  
SCALE: AS SHOWN  
DRAWN BY: JJR  
PROJECT NUMBER:  
**7461**

DRAWING NUMBER:  
**C-08**







**PARKING SUMMARY**

REQUIRED: 500 SEATS @ 1 STALL/8 SEATS =63 STALLS  
 PROVIDED: 70 STALLS

**BIKE RACKS**

BIKE RACKS: 500 SEATS @1 RACK (100 PERSONS)  
 3 EXTERIOR BIKE RACKS  
 2 INTERIOR BIKE RACKS (SHELTERED)

**REFERENCE NOTES SCHEDULE**

SYMBOL	CODE	DESCRIPTION	QTY
<b>STONE ASSEMBLIES</b>			
	04-43-16	LANDSCAPE CURBING	203 lf
	04-43-17	STONE BENCHES	154 lf
<b>32 EXTERIOR IMPROVEMENTS</b>			
	32-13-13	CONCRETE WALK	3,057 sf
<b>UNIT PAVING</b>			
	32-14-00	PERMEABLE PAVERS	1,697 sf
	32-14-01	CROSSWALK PAVERS	124 sf
<b>FENCES AND GATES</b>			
	32-31-13	8' CHAIN LINK FENCE	64 lf
	32-31-14	6' BOARD FENCE	81 lf
<b>SITE FURNISHINGS</b>			
	32-33-00	BACK RACKS	3
	32-33-01	6" LIGHT BOLLARD	7

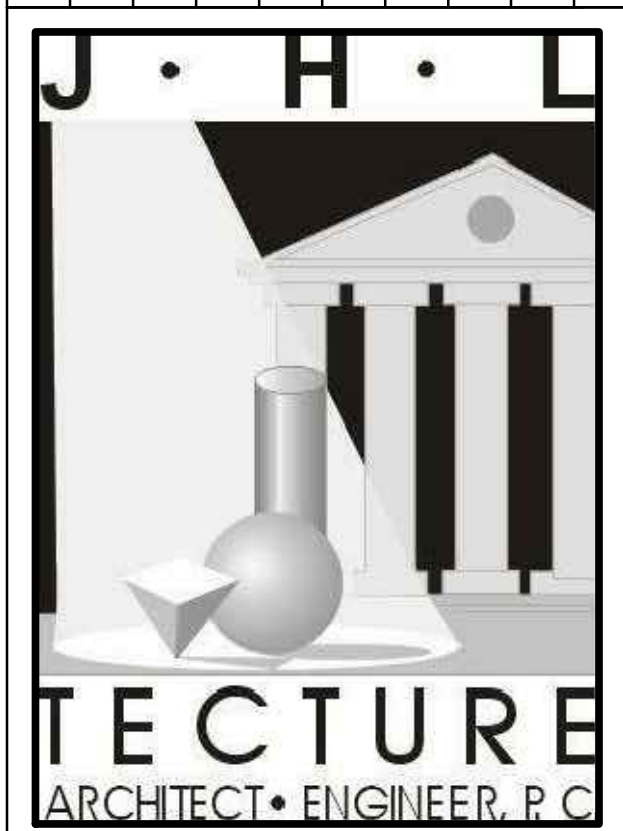
- NOTES:  
 1. REFER TO CIVIL PLANS FOR ALL DRAINAGE, GRADING, ROADWAY PAVEMENT, STRIPING AND ROAD CURBING.  
 2. REFER TO ELECTRICAL ENGINEERING PLANS FOR SITE LIGHTING.  
 3. REFER TO LP1.01 FOR PLANTING.

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GENERAL PLANNING DRAWINGS FOR:  
**GRACE HARBOR CHURCH**  
 430 KINSLEY AVENUE  
 PROVIDENCE, RI, 02909

**HARDSCAPE PLAN**  
 DATE: 06/07/24  
 SCALE: DRAWN BY: JL  
 PROJECT NUMBER: C1045  
 DRAWING NUMBER: L1.21

STAMP

PROJECT NAME

**GRACE HARBOR CHURCH**

PROJECT ADDRESS

430 KINSLEY AVE  
 PROVIDENCE, RI

NO. REVISIONS DATE


SUBMITTAL DATE

DD PRICE SET DRAFT JUNE 2024

DRAWN BY: JL CHECKED BY: AC

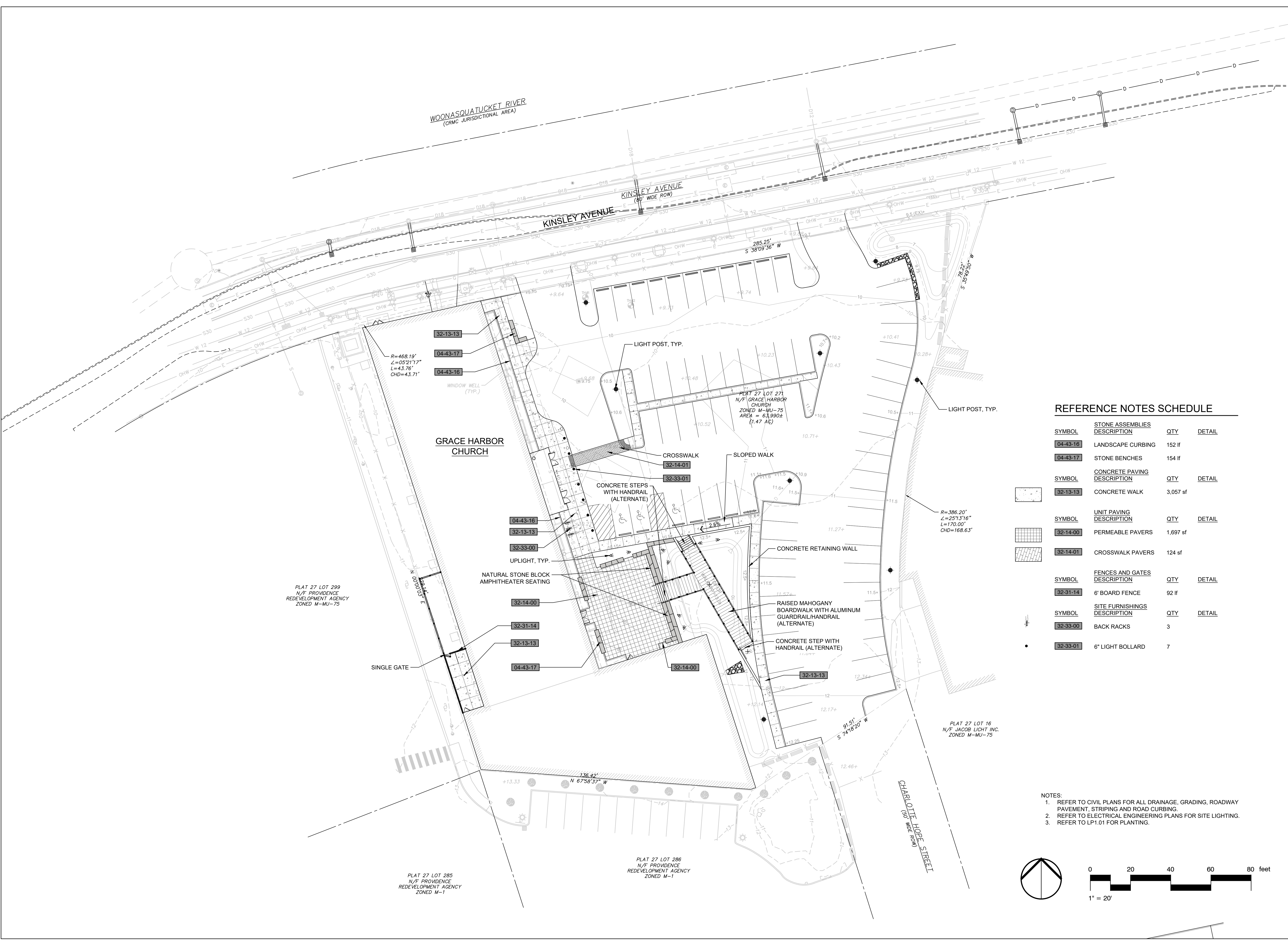
DATE ISSUED: JUNE 2024 SCALE: 1"=20'

PROJ. NO. C1045

SHEET TITLE

**HARDSCAPE PLAN**

SHEET NO.



**REFERENCE NOTES SCHEDULE**

SYMBOL	STONE ASSEMBLIES DESCRIPTION	QTY	DETAIL
--------	------------------------------	-----	--------

32-13-13	LANDSCAPE CURBING	152 lf	
04-43-17	STONE BENCHES	154 lf	

SYMBOL	CONCRETE PAVING DESCRIPTION	QTY	DETAIL
--------	-----------------------------	-----	--------

32-13-13	CONCRETE WALK	3,057 sf	
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SYMBOL	UNIT PAVING DESCRIPTION	QTY	DETAIL
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32-14-00	PERMEABLE PAVERS	1,697 sf	
32-14-01	CROSSWALK PAVERS	124 sf	

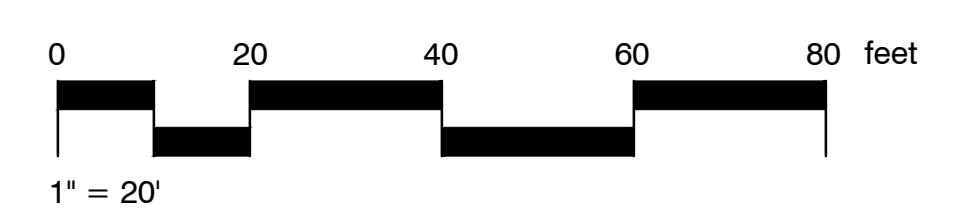
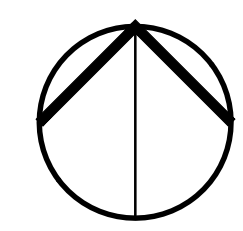
SYMBOL	FENCES AND GATES DESCRIPTION	QTY	DETAIL
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32-31-14	6' BOARD FENCE	92 lf	
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SYMBOL	SITE FURNISHINGS DESCRIPTION	QTY	DETAIL
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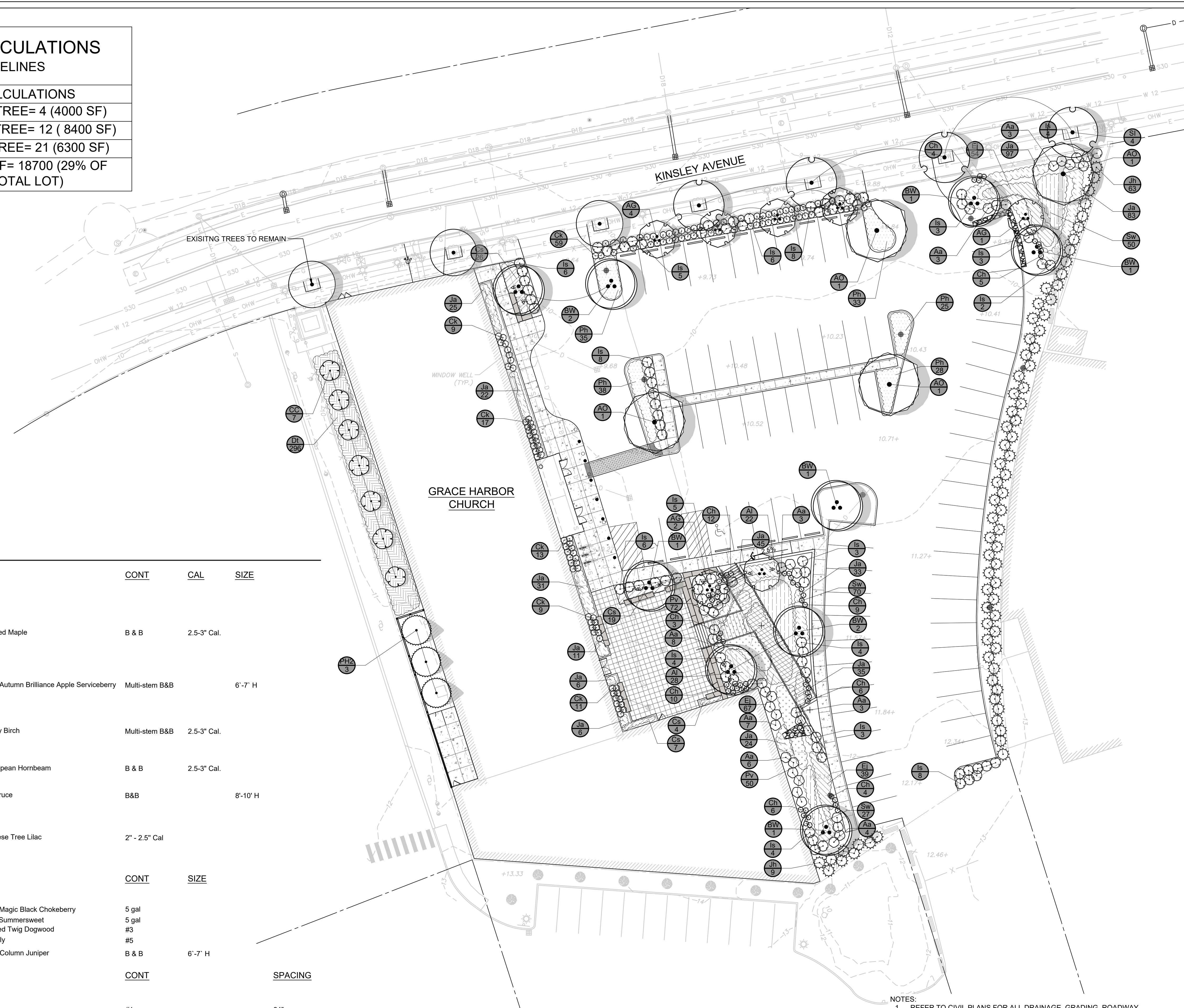
32-33-00	BACK RACKS	3	
32-33-01	6" LIGHT BOLLARD	7	

- NOTES:
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  - REFER TO ELECTRICAL ENGINEERING PLANS FOR SITE LIGHTING.
  - REFER TO LP1.01 FOR PLANTING.



# TREE SHADE COVERAGE CALCULATIONS PER CITY OF PROVIDENCE GUIDELINES

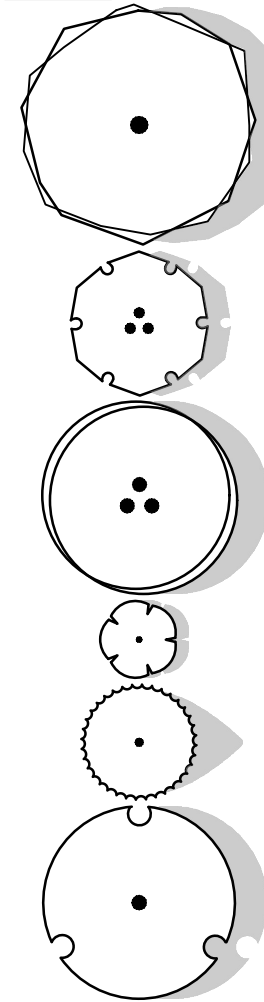
STANDARD	CALCULATIONS
LARGE TREE= 1000 SF	LARGE TREE= 4 (4000 SF)
MEDIUM TREE= 700 SF	MEDIUM TREE= 12 ( 8400 SF)
SMALL TREE= 300 SF	SMALL TREE= 21 (6300 SF)
TOTAL LOT SIZE= 64048	TOTAL SF= 18700 (29% OF TOTAL LOT)



## PLANT SCHEDULE

SYMBOL CODE QTY BOTANICAL / COMMON NAME CONT CAL SIZE

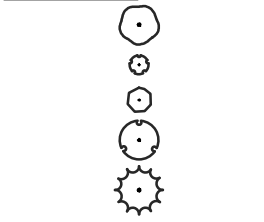
### TREES



AO	4	Acer rubrum 'October Glory' / October Glory Red Maple	B & B	2.5-3' Cal.
AG	7	Amelanchier x grandiflora 'Autumn Brilliance' / Autumn Brilliance Apple Serviceberry	Multi-stem B&B	6'-7' H
BW	9	Betula populifolia 'Whitespire' / Whitespire Gray Birch	Multi-stem B&B	2.5-3' Cal.
CC	7	Carpinus betulus 'Columnaris' / Columnar European Hornbeam	B & B	2.5-3' Cal.
PH2	3	Picea pungens 'Hoopsii' / Hoopsii Colorado Spruce	B&B	8'-10' H
SI	4	Syringa reticulata 'Ivory Silk' / Ivory Silk Japanese Tree Lilac	2" - 2.5" Cal	

SYMBOL CODE QTY BOTANICAL / COMMON NAME CONT SIZE

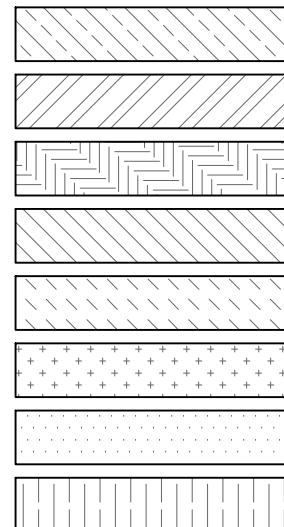
### SHRUBS



Aa	37	Aronia melanocarpa 'Autumn Magic' / Autumn Magic Black Chokeberry	5 gal	
Ch	59	Clethra alnifolia 'Hummingbird' / Hummingbird Summersweet	5 gal	
Ck	118	Cornus stolonifera 'Kelsey' / Kelsey's Dwarf Red Twig Dogwood	#3	
Is	82	Ilex glabra 'Shamrock' / Shamrock Inkberry Holly	#5	
Jh	72	Juniperus chinensis 'Hetzii Columnaris' / Hetzii Column Juniper	B & B	6'-7' H

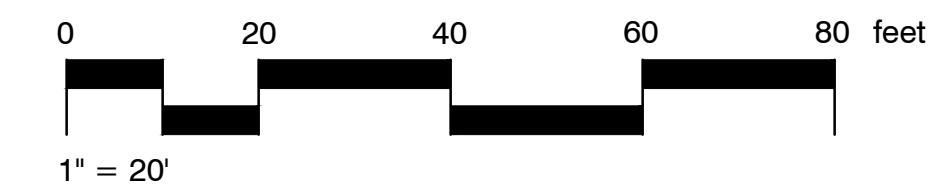
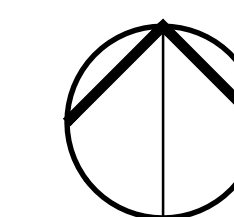
SYMBOL CODE QTY BOTANICAL / COMMON NAME CONT SPACING

### PERENNIALS/GRASSES



Al	50	Aster lateriflorus / Calico Aster	#1	24" o.c.
Cs	56	Calamagrostis x acutiflora 'Stricta' / Karl Foerster Feather Reed Grass	#2	24" o.c.
Dt	296	Deschampsia cespitosa / Tufted Hair Grass	#1	24" o.c.
Ej	160	Eupatorium maculatum / Joe Pye Weed	#1	24" o.c.
Ja	418	Juncus x 'Blue Dart' / Blue Dart Rush	#1	18" o.c.
Pv	122	Panicum virgatum / Switch Grass	#1	24" o.c.
Ph	159	Pennisetum alopecuroides 'Hamelii' / Hamelii Fountain Grass	#2	24" o.c.
Sw	147	Solidago rugosa / Wrinkleleaf Goldenrod	#1	24" o.c.

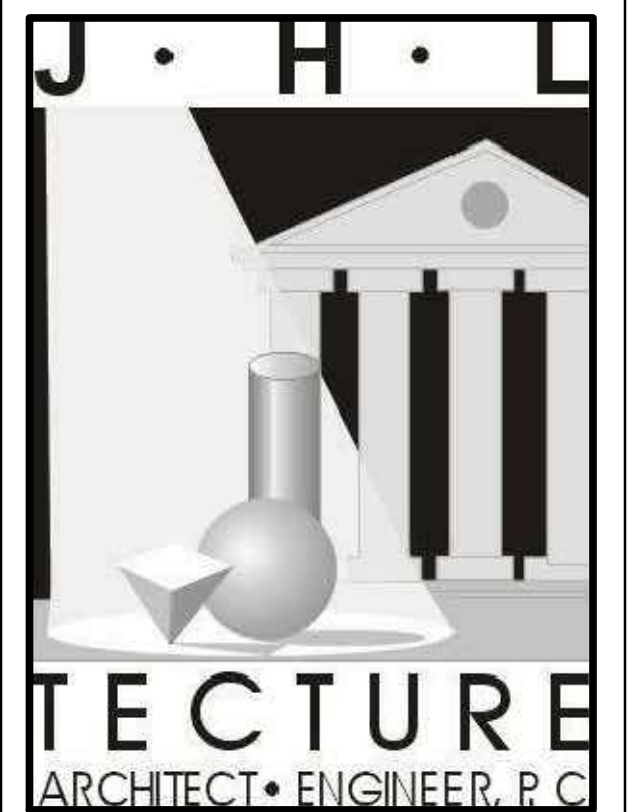
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DRAWINGS FOR:  
**GRACE  
HARBOR  
CHURCH**

430 KINSLEY AVENUE  
PROVIDENCE, RI, 02909

PLANTING  
PLAN

DATE: 06/07/24 DRAWING NUMBER:  
SCALE: PROJECT NUMBER:  
DRAWN BY: JL  
PROJECT NUMBER:  
**C1045**

LP1.01