

ZONING DATA: PO

TOTAL LOT AREA: 20,000 SF ± (0.4591 AC ±)
 ZONE: PO (PROFESSIONAL OFFICE)

USE	REQUIRED OFFICE	APPROVED APTS/MULTI FAM. RESIDENTIAL	PROPOSED APTS/MULTI FAM. RESIDENTIAL	CONFORMANCE (NC)	VARIANCE GRANTED (VG)
MINIMUM LOT AREA (SF)	15,000	20,000	20,000	(C)	(VG)
MINIMUM LOT WIDTH (FT)	75	100	100	(C)	(VG)
MINIMUM LOT DEPTH (FT)	200	200	200	(C)	(VG)
MINIMUM SETBACKS (FT)					
FRONT YARD (WHP)	40	32.78	32.78	(NC)	(VG)
FRONT YARD (HADDON)	40	21.70	22.10	(NC)	(VG)
SIDE YARD	12	5.77	5.77	(NC)	(VG)
SIDE AGGREGATE	24	N/A	N/A	(C)	(VG)
REAR YARD	35	75.21	71.10	(C)	(VG)
MAXIMUM BUILDING COVERAGE	15% (3,000 SF)	19.47% (3,894 SF)	19.47% (3,894 SF)	(NC)	(VG)
MAXIMUM IMPERVIOUS COVERAGE	60% (12,000 SF)	50.34% (10,068 SF)	51.31% (10,261.98 SF)	(C)	(VG)
MAXIMUM BUILDING HEIGHT (FT)	36	2½ STORIES <36	<36	(C)	(VG)
PARKING REQUIREMENT (RSIS)	1.8/UNIT (14.4)	14	14	(NC)	(VG)

N/A = NOT APPLICABLE
 (C) = CONFORMANCE
 (NC) = NON-COMFORMANCE
 (V) = VARIANCE
 (VG) = VARIANCE GRANTED (UNDER 2017 APPROVALS)

GENERAL SITE NOTES:

- THE OWNER AND OR CONTRACTOR OR HIS/HER REPRESENTATIVE, IS TO DESIGNATE AN INDIVIDUAL RESPONSIBLE FOR CONSTRUCTION SITE SAFETY DURING THE COURSE OF SITE IMPROVEMENTS PURSUANT TO N.J.A.C. 5:23-2.21(E) OF THE N.J. UNIFORM CONSTRUCTION CODE AND CFR 1926.32 (F) (OSHA COMPETENT PERSON). THE CONTRACTOR SHALL OBEY AND ADHERE TO ALL FEDERAL, STATE, LOCAL, AND OSHA REGULATIONS PERTAINING TO THE PROPOSED SITE IMPROVEMENTS.
- THE CONTRACTOR SHALL VERIFY SIZES, DIMENSIONS, AND LOCATIONS OF ALL EXISTING SITE FEATURES AND PROPOSED IMPROVEMENTS.
- THESE DRAWINGS SHALL NOT BE SCALED FOR CONSTRUCTION PURPOSES. CLARITY OF DIMENSIONS SHALL BE BROUGHT TO THE ATTENTION OF THE PROJECT ENGINEER OR ARCHITECT.
- SITE CONSTRUCTION SCHEDULE SHALL BE COORDINATED WITH THE OWNER. TRASH AND RECYCLING TO BE STORED ON WEST SIDE OF NEW BUILDING IN RESIDENTIAL SCALE CANS AND TAKEN TO THE CURB BY THE OWNER FOR PICKUP BY MUNICIPALITY.
- 7,502.75 SQUARE FEET OF NEW CONSTRUCTION
- DENSITY = 17.43 UNITS/ACRE, BUILDING COVERAGE = 3,886 SF (19.4% OF LOT AREA)
- GROSS BUILDING SQUARE FOOTAGE (EXISTING AND PROPOSED) = 7,032 SF
- SQUARE FEET OF CONSTRUCTION (BUILDING) = 1,700 SF (EXISTING) 2,186 SF (PROPOSED)
- NUMBER OF UNITS = 8 (RESIDENTIAL APARTMENTS)
- NUMBER OF EMPLOYEES = N/A
- NUMBER OF RESIDENTS = 8+
- NUMBER OF SCHOOL AGED CHILDREN = N/A
- ANTICIPATED APPROVAL/CONSTRUCTION SCHEDULE 3 MONTHS

LEGEND

- PROPERTY LINE
- EXISTING CONTOR LINE
- PROPOSED CONTOR LINE
- CURB
- PROPOSED SPLIT RAIL FENCE
- EX. SPOT ELEVATION
- PROPOSED SPOT ELEVATION
- PROPOSED FLOW ARROW AND SLOPE %
- ASPHALT PAVEMENT
- CONCRETE PAVEMENT

GRADING & DRAINAGE NOTES:

- VERTICAL DATUM NOTE: NAVD 88 BASED ON GPS OBSERVATION BY PENNONI ASSOC., INC.
- PRIOR TO START OF CONSTRUCTION, THE CONTRACTOR SHALL INSTALL SOIL EROSION AND SEDIMENT CONTROL MEASURES IN ACCORDANCE WITH THE APPROVED PLANS.
- THE CONTRACTOR SHALL NOT PLACE ANY MATERIAL OR DISTURB ANY SOIL BEYOND PROPERTY LINES OR RIGHT OF WAY WITHOUT PERMISSION OF PROPERTY OWNER DIRECTLY INVOLVED.
- THE CONTRACTOR IS RESPONSIBLE FOR LOCATION OF ALL EXISTING UTILITIES ON THE SITE AND SHALL NOTIFY ALL UTILITY COMPANIES PRIOR TO START OF EXCAVATION.
- THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS AND SHALL PAY FOR ALL FEES INCLUDING INSPECTION FEES. THE CONTRACTOR SHALL GIVE SUFFICIENT ADVANCE NOTICE TO THE TOWNSHIP ENGINEER AND ALL OTHER APPLICABLE PARTIES SO THAT REQUIRED INSPECTIONS CAN BE PERFORMED.
- INSPECTION OF, OR FAILURE TO INSPECT ANY MATERIAL OR WORKMANSHIP BY TOWNSHIP, COUNTY OR STATE ENGINEER SHALL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY TO PERFORM THE WORK IN ACCORDANCE WITH THE APPROVED PLANS, SPECIFICATIONS, LAWS AND ORDINANCES.
- THESE DRAWINGS DO NOT SHOW OR INCLUDE COMPONENTS NECESSARY FOR CONSTRUCTION SAFETY. THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING THE METHODS OF CONSTRUCTION AND SHALL MEET ALL APPLICABLE SAFETY RULES AND REGULATIONS.
- TOPSOIL PRESERVATION - TOPSOIL MOVED DURING THE COURSE OF CONSTRUCTION SHALL BE REDISTRIBUTED ON ALL REGRADED SURFACES SO AS TO PROVIDE AT LEAST FOUR (4) INCHES OF EVEN COVER TO ALL DISTURBED AREAS OF THE DEVELOPMENT AND SHALL BE STABILIZED BY SEEDING OR PLANTING.
- REMOVAL OF DEBRIS - ALL STUMPS AND OTHER TREE PARTS, LITTER, BRUSH, WEEDS, EXCESS OR SCRAP BUILDING MATERIALS OR OTHER DEBRIS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN ACCORDANCE WITH THE LAW. NO TREE STUMPS, OR PORTIONS OF TREE TRUNKS OR LIMBS SHALL BE BURIED ANYWHERE IN THE DEVELOPMENT. ALL DEAD OR DYING TREES, STANDING OR FALLEN, SHALL BE REMOVED FROM THE SITE. IF TREES AND LIMBS ARE REDUCED TO CHIPS, THEY MAY BE USED AS MULCH IN LANDSCAPE AREAS, SUBJECT TO APPROVAL BY THE BOROUGH ENGINEER.
- SEE CULTEC RECHARGER 180HD DETAIL SHEET FOR UNDERGROUND INFILTRATION SYSTEM CONSTRUCTION DETAILS AND SPECIFICATIONS.

APPROVED BOROUGH OF HADDON HEIGHTS PLANNING BOARD

NUMBER: _____ DATE: _____
 CHAIRMAN _____ SECRETARY: _____

THIS PLAN IS APPROVED BY THE PLANNING BOARD OF THE BOROUGH OF HADDON HEIGHTS.

DATE: _____ PLANNING BOARD CHAIRPERSON

I CERTIFY THAT THIS MAP WAS DULY APPROVED BY RESOLUTION OF THE BOROUGH OF HADDON HEIGHTS PLANNING BOARD AT AN OFFICIAL MEETING HELD ON _____ AND SHALL BE FILED ON OR BEFORE _____. I HEREBY FURTHER CERTIFY THAT THE PLANNING BOARD IS THE CONSTITUTED PROPER AUTHORITY.

DATE: _____ PLANNING BOARD SECRETARY

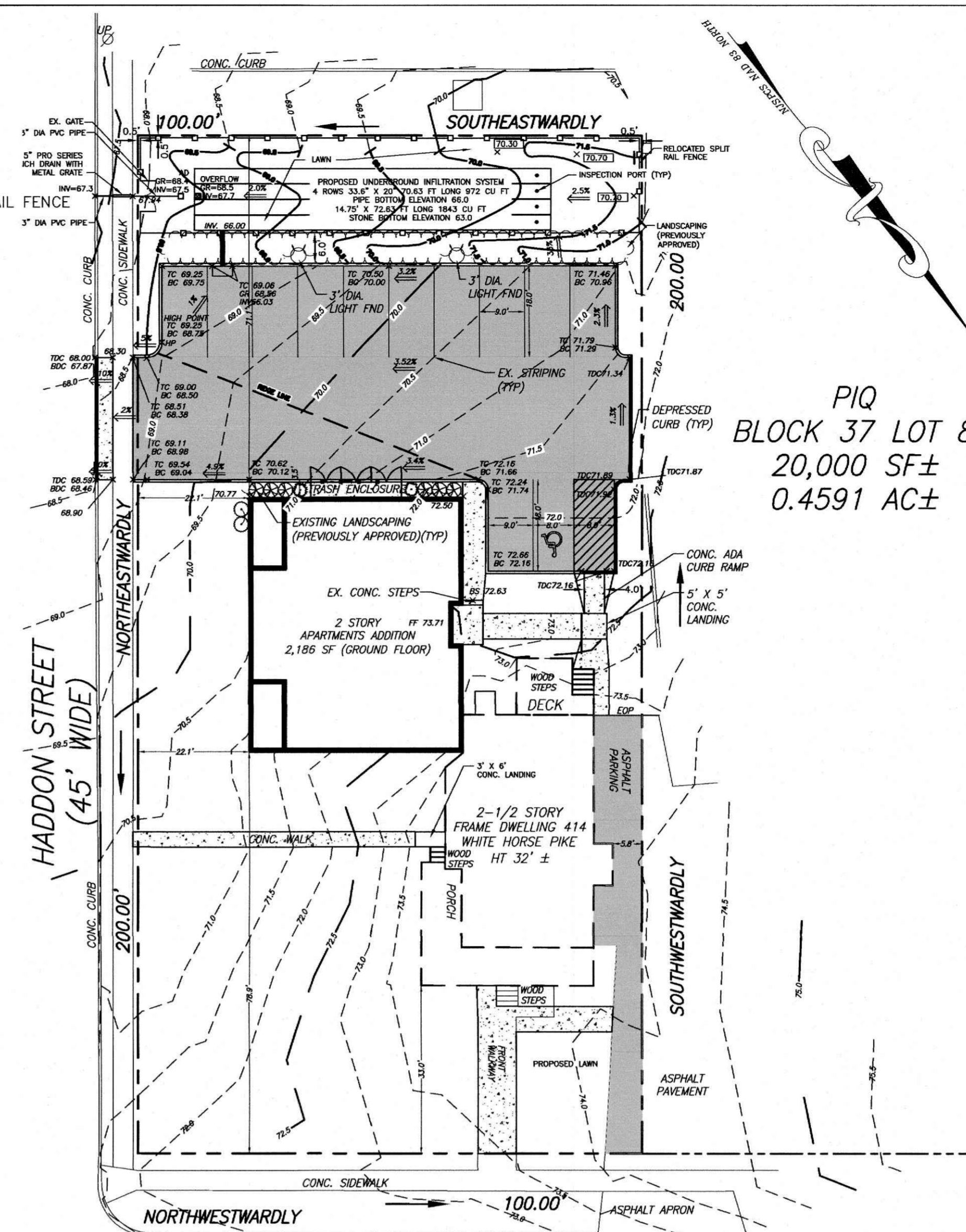
DATE: _____ BOROUGH CLERK

IT IS HEREBY CERTIFIED THAT THE LANDS SHOWN ON THIS MAP ARE OWNED BY TITLE OF RECORD AND THAT CONSENT TO THE APPROVAL OF SAID PLAN IS GIVEN.

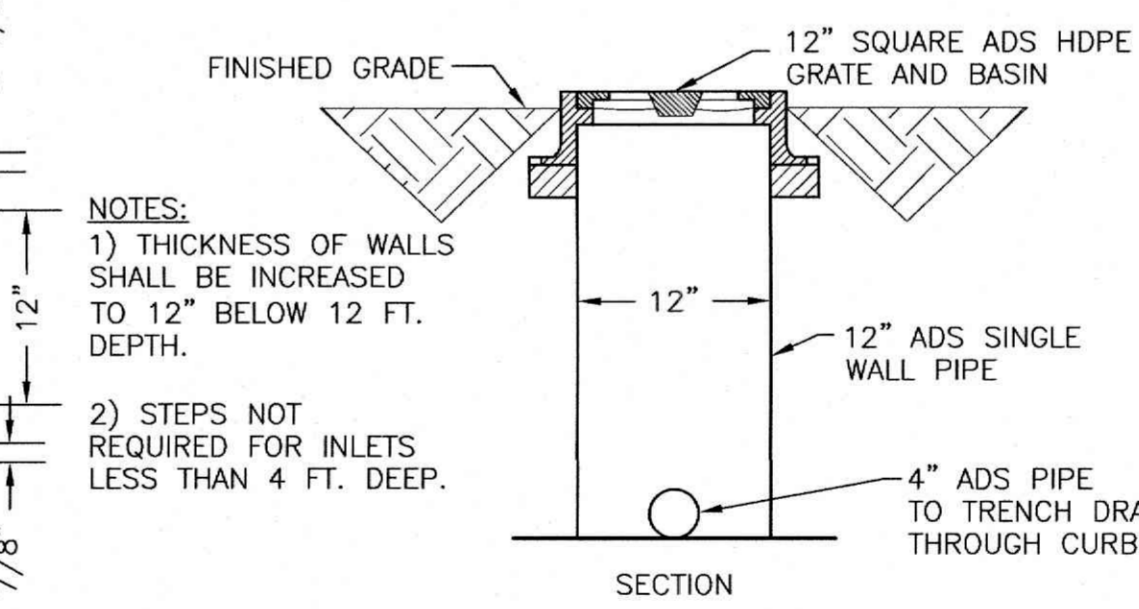
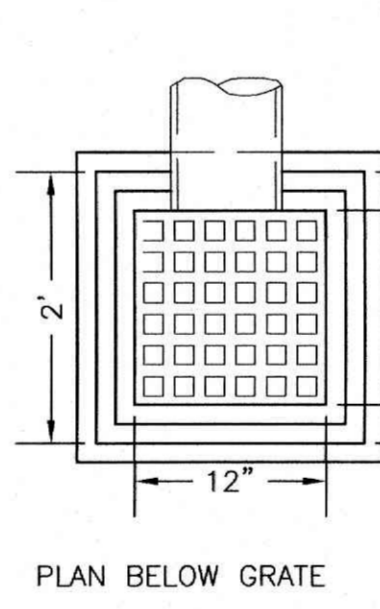
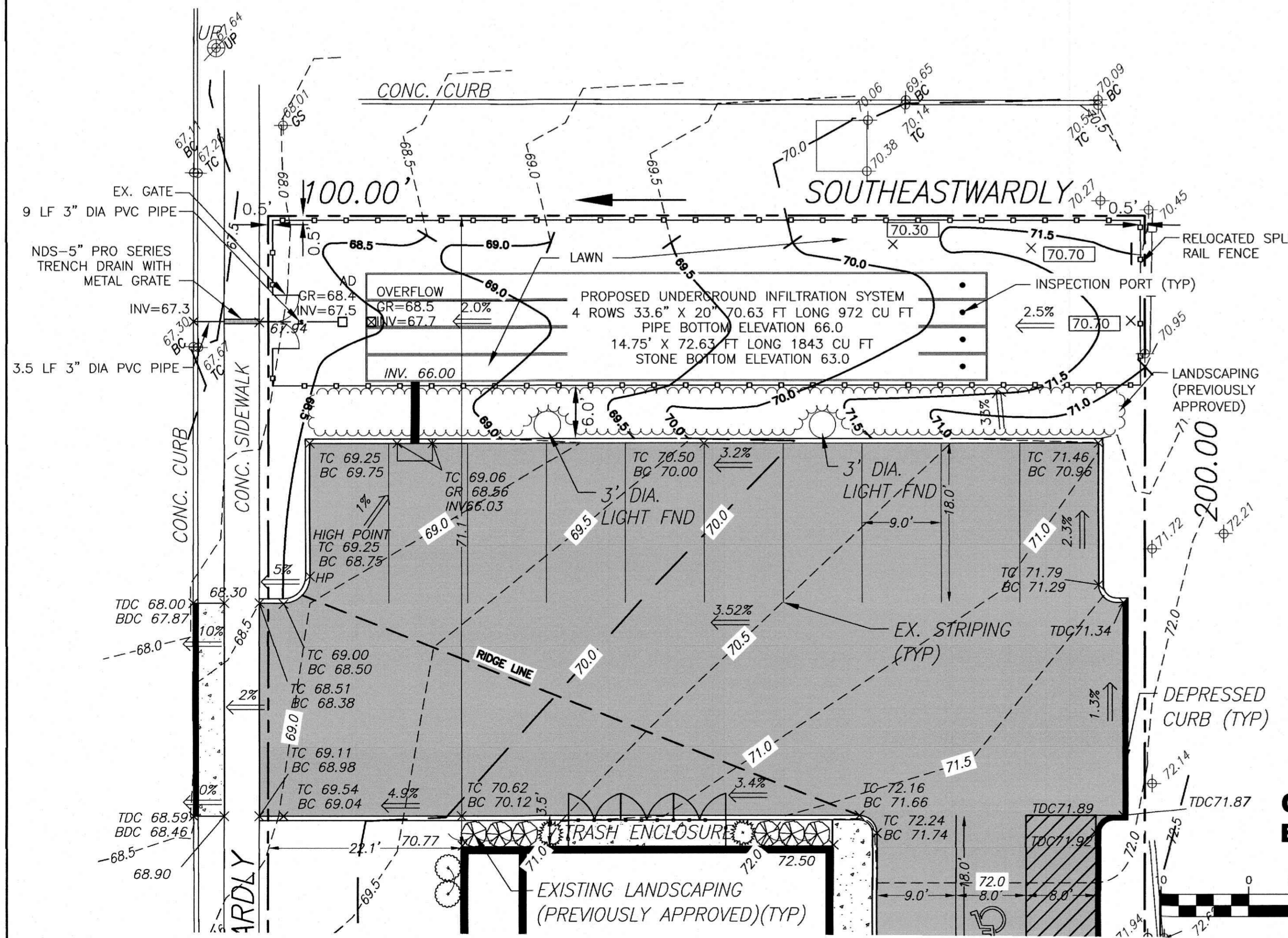
DATE: _____ PROPERTY OWNER/APPLICANT:
 UNA VOCE, LLC
 C/O PAUL DEMARTINI

I HAVE CAREFULLY EXAMINED THIS MAP AND TO THE BEST OF MY KNOWLEDGE AND BELIEF FIND IT CONFORMS WITH THE PROVISIONS OF THE "MAP FILING LAW" RESOLUTION OF APPROVAL AND THE MUNICIPAL ORDINANCES AND REQUIREMENTS APPLICABLE THERETO.

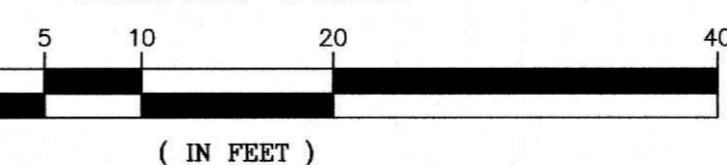
DATE: _____ PLANNING BOARD ENGINEER



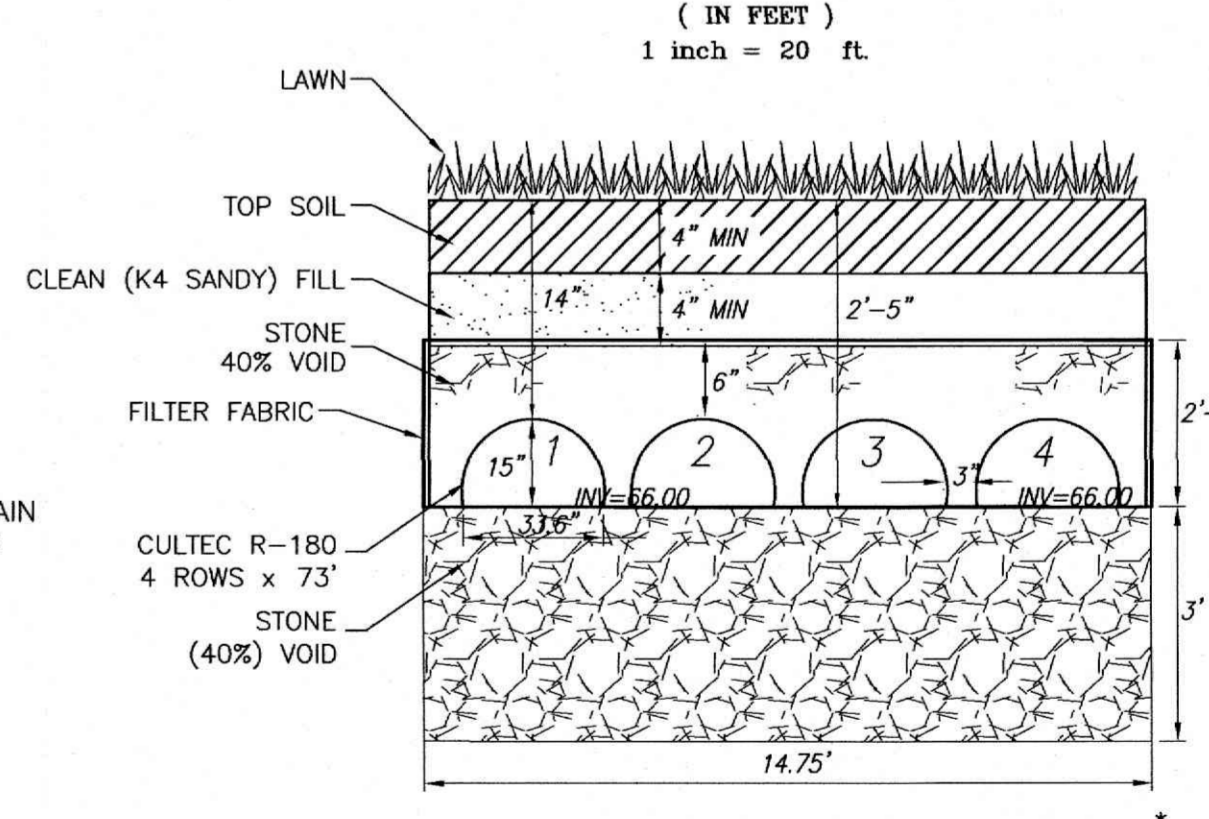
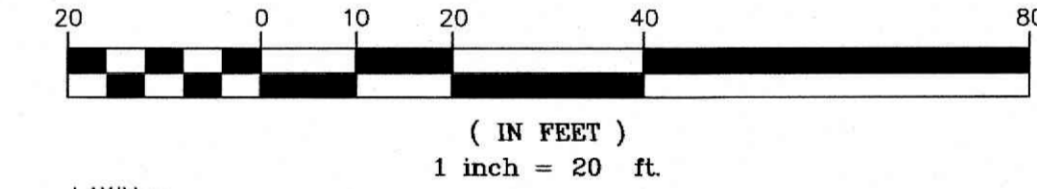
PIQ
 BLOCK 37 LOT 8
 20,000 SF±
 0.4591 AC±



GRADING PLAN ENLARGEMENT GRAPHIC SCALE



OVERALL SITE/GRADING PLAN GRAPHIC SCALE



INFILTRATION SYSTEM DETAIL NTS

* SEE NOTE 10 ON THIS SHEET

No.	REVISIONS/SUBMISSIONS	DATE
0	INITIAL ISSUE - INFILTRATION SYSTEM	1/31/24

PROJECT:
 AMENDED SITE PLAN
 #414 WHITE HORSE PIKE
 BLOCK 37 - LOT 8 - PLATE 4
 BOROUGH OF HADDON HEIGHTS
 COUNTY OF CAMDEN
 STATE OF NEW JERSEY

APPLICANT:
 UNA VOCE, LLC
 C/O PAUL DEMARTINI
 417 WHITE HORSE PIKE, STE E
 HADDON HEIGHTS, NJ 08035
 PH: 601-955-1701
 EMAIL: demartini80@yahoo.com

irving design group, llc
 land use planning & design
 10 WHITE HORSE PIKE
 HADDON HEIGHTS, NJ 08035
 PH: (856) 3109200
 CERTIFICATE OF AUTHORIZATION
 #24GA28102800

RICHARD E. OBERMAN, P.E.
 NJ PROFESSIONAL ENGINEER LIC. # 34237

PROJECT: HILL-22-003 **DATE:** 1/31/24
DRAWING NO.: ASGP-1 **CHK'D BY:** REO **SCALE:** AS NOTED
SHEET NO.: 1 OF 1
AMENDED SITE/ GRADING PLAN



Know what's below.
 Call before you dig.

APPROXIMATE LOCATION OF UNDERGROUND UTILITIES HAVE BEEN SHOWN ON THE PLANS. THE CONTRACTOR IS TO FAMILIARIZE HIMSELF WITH AND VERIFY CONDITIONS AT THE SITE. THE CONTRACTOR SHALL MAKE DILIGENT INQUIRY AT THE OFFICE OF UTILITY COMPANIES, MUNICIPAL AUTHORITIES AND OTHER OPERATORS OF UNDERGROUND SYSTEMS TO DETERMINE THE EXACT LOCATION OF UTILITY STRUCTURES. PURSUANT TO P.L. 1994 CHAPTER 118 "UNDERGROUND FACILITY PROTECTION ACT", THE CONTRACTOR SHALL, AS A MINIMUM, CONTACT THE NEW JERSEY ONE - CALL SYSTEM AT 811 OR 1-800-272-1000 AT LEAST 3 DAYS PRIOR TO COMMENCING WORK. TO NOTIFY THIS AGENCY OF THIS PROJECT AND TO COORDINATE LOCATION OF UNDERGROUND FACILITIES IN THE VICINITY OF THIS PROJECT.

CULTEC RECHARGER 180HD SPECIFICATIONS

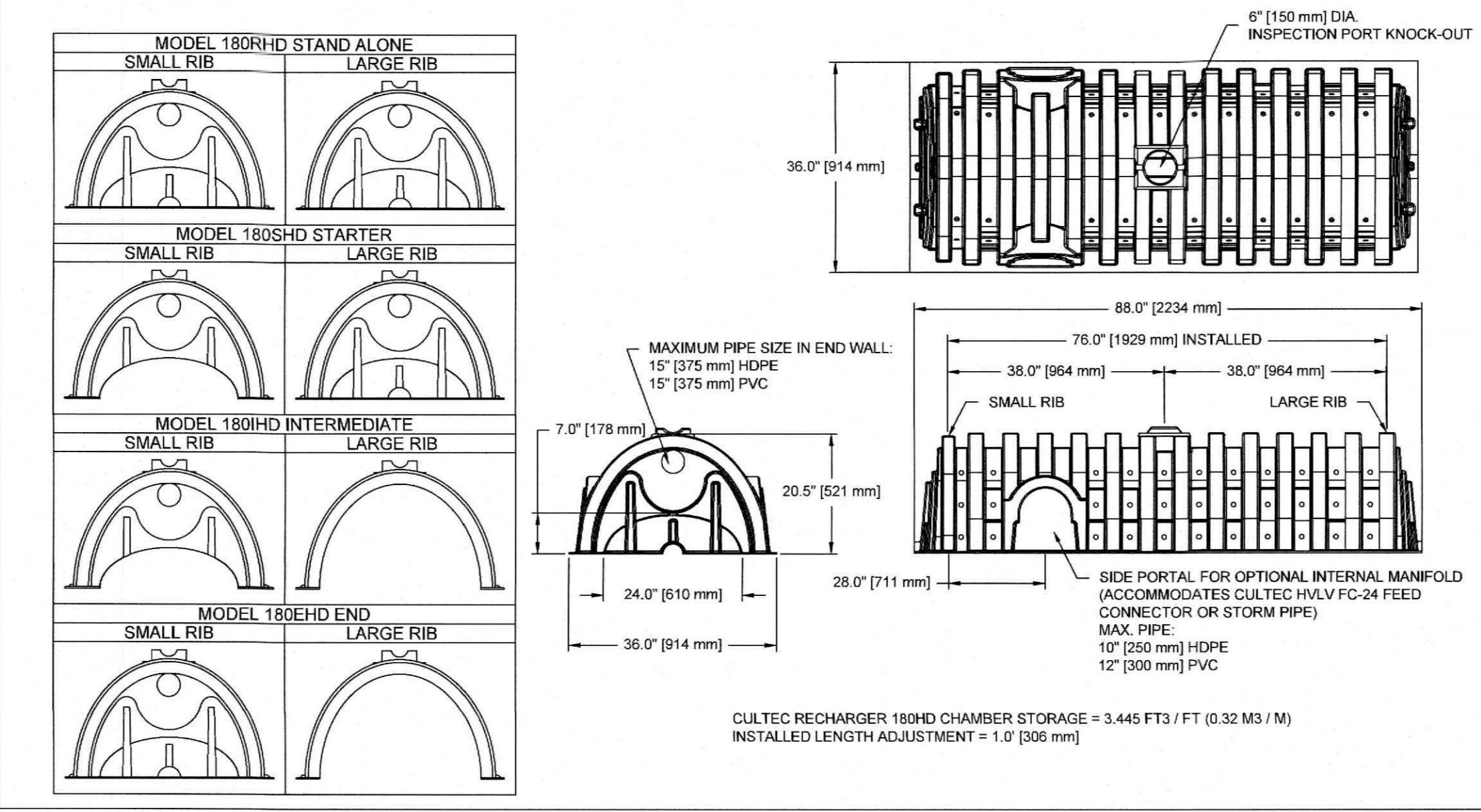
GENERAL
 CULTEC RECHARGER 180HD CHAMBERS ARE DESIGNED FOR UNDERGROUND STORMWATER MANAGEMENT. THE CHAMBERS MAY BE USED FOR RETENTION, RECHARGING, DETENTION OR CONTROLLING THE FLOW OF ON-SITE STORMWATER RUNOFF.

- CHAMBER PARAMETERS**
- THE CHAMBERS SHALL BE MANUFACTURED BY CULTEC, INC. OF BROOKFIELD, CT. (203-775-4416 OR 1-800-428-5832)
 - THE CHAMBER SHALL BE VACUUM THERMOFORMED OF HIGH MOLECULAR WEIGHT HIGH DENSITY POLYETHYLENE (HMWHDPE) WITH A BLACK INTERIOR AND BLUE EXTERIOR.
 - THE CHAMBER SHALL BE ARCHED IN SHAPE.
 - THE CHAMBER SHALL BE OPEN-BOTTOMED.
 - THE CHAMBER SHALL BE JOINED USING AN INTERLOCKING OVERLAPPING RIB METHOD. CONNECTIONS MUST BE FULLY SHOULDERED OVERLAPPING RIBS, HAVING NO SEPARATE COUPLINGS OR SEPARATE END WALLS.
 - THE NOMINAL CHAMBER DIMENSIONS OF THE CULTEC RECHARGER 180HD SHALL BE 20.5 INCHES (521 MM) TALL, 36 INCHES (914 MM) WIDE AND 7.33 FEET (2.23 M) LONG. THE INSTALLED LENGTH OF A JOINED RECHARGER 180HD SHALL BE 6.33 FEET (1.93 M).
 - MAXIMUM INLET OPENING ON THE CHAMBER ENDWALL IS 15 INCHES (375 MM) HDPE.
 - THE CHAMBER SHALL HAVE TWO SIDE PORTALS TO ACCEPT CULTEC HVLV FC-24 FEED CONNECTORS TO CREATE AN INTERNAL MANIFOLD. MAXIMUM ALLOWABLE O.D. IN THE SIDE PORTAL IS 12.25 INCHES (311 MM).
 - THE NOMINAL CHAMBER DIMENSIONS OF THE CULTEC HVLV FC-24 FEED CONNECTOR SHALL BE 12 INCHES (305 MM) TALL, 16 INCHES (406 MM) WIDE AND 24.2 INCHES (614 MM) LONG.
 - THE NOMINAL STORAGE VOLUME OF THE RECHARGER 180HD CHAMBER SHALL BE 3.445 FT³ / FT (0.32 M³ / M) - WITHOUT STONE. THE NOMINAL STORAGE VOLUME OF A SINGLE RECHARGER 180HD STAND ALONE UNIT SHALL BE 25.25 FT³ (0.72 M³) - WITHOUT STONE. THE NOMINAL STORAGE VOLUME OF A JOINED RECHARGER 180HD AS AN INTERMEDIATE UNIT SHALL BE 21.81 FT³ (0.62 M³) - WITHOUT STONE. THE NOMINAL STORAGE VOLUME OF THE LENGTH ADJUSTMENT AMOUNT PER RUN SHALL BE 3.445 FT³ (0.32 M³) - WITHOUT STONE.
 - THE NOMINAL STORAGE VOLUME OF THE HVLV FC-24 FEED CONNECTOR SHALL BE 0.913 FT³ / FT (0.085 M³ / M) - WITHOUT STONE.
 - THE RECHARGER 180HD CHAMBER SHALL HAVE SEVENTY-EIGHT DISCHARGE HOLES BORED INTO THE SIDEWALLS OF THE UNITS CORE TO PROMOTE LATERAL CONVEYANCE OF WATER.
 - THE RECHARGER 180HD CHAMBER SHALL HAVE 14 CORRUGATIONS.
 - THE ENDWALL OF THE CHAMBER, WHEN PRESENT, SHALL BE AN INTEGRAL PART OF THE CONTINUOUSLY FORMED UNIT. SEPARATE END PLATES CANNOT BE USED WITH THIS UNIT.
 - THE RECHARGER 180HD STAND ALONE/STARTER UNIT MUST BE FORMED AS A WHOLE CHAMBER HAVING TWO FULLY FORMED INTEGRAL ENDWALLS AND HAVING NO SEPARATE END PLATES OR SEPARATE END WALLS.
 - THE RECHARGER 180HD END UNIT MUST BE FORMED AS A WHOLE CHAMBER HAVING ONE FULLY FORMED INTEGRAL ENDWALL AND ONE FULLY OPEN END WALL AND HAVING NO SEPARATE END PLATES OR END WALLS.
 - THE HVLV FC-24 FEED CONNECTOR MUST BE FORMED AS A WHOLE CHAMBER HAVING TWO OPEN END WALLS AND HAVING NO SEPARATE END PLATES OR SEPARATE END WALLS. THE UNIT SHALL FIT INTO THE SIDE PORTALS OF THE RECHARGER 180HD AND ACT AS CROSS FEED CONNECTIONS.
 - CHAMBERS MUST HAVE HORIZONTAL STIFFENING FLEX REDUCTION STEPS BETWEEN THE RIBS.
 - THE CHAMBER SHALL HAVE A RAISED INTEGRAL CAP AT THE TOP OF THE ARCH IN THE CENTER OF EACH UNIT TO BE USED AS AN OPTIONAL INSPECTION PORT OR CLEAN-OUT.
 - THE UNITS MAY BE TRIMMED TO CUSTOM LENGTHS BY CUTTING BACK TO ANY CORRUGATION ON THE LARGE RIB END.
 - THE CHAMBER SHALL BE MANUFACTURED IN AN ISO 9001:2015 CERTIFIED FACILITY.
 - MAXIMUM ALLOWABLE COVER OVER THE TOP OF THE CHAMBER SHALL BE 12.0' (3.66 M).
 - THE CHAMBER SHALL BE DESIGNED AND MANUFACTURED TO MEET THE MATERIAL AND STRUCTURAL REQUIREMENTS OF APMO PS 63-2019, INCLUDING RESISTANCE TO AASHTO H-10 HIGHWAY LIVE LOADS, WHEN INSTALLED IN ACCORDANCE WITH CULTEC'S INSTALLATION INSTRUCTIONS.
 - THE CHAMBER SHALL BE DESIGNED TO WITHSTAND TRAFFIC LOADS WHEN INSTALLED ACCORDING TO CULTEC'S RECOMMENDED INSTALLATION INSTRUCTIONS.

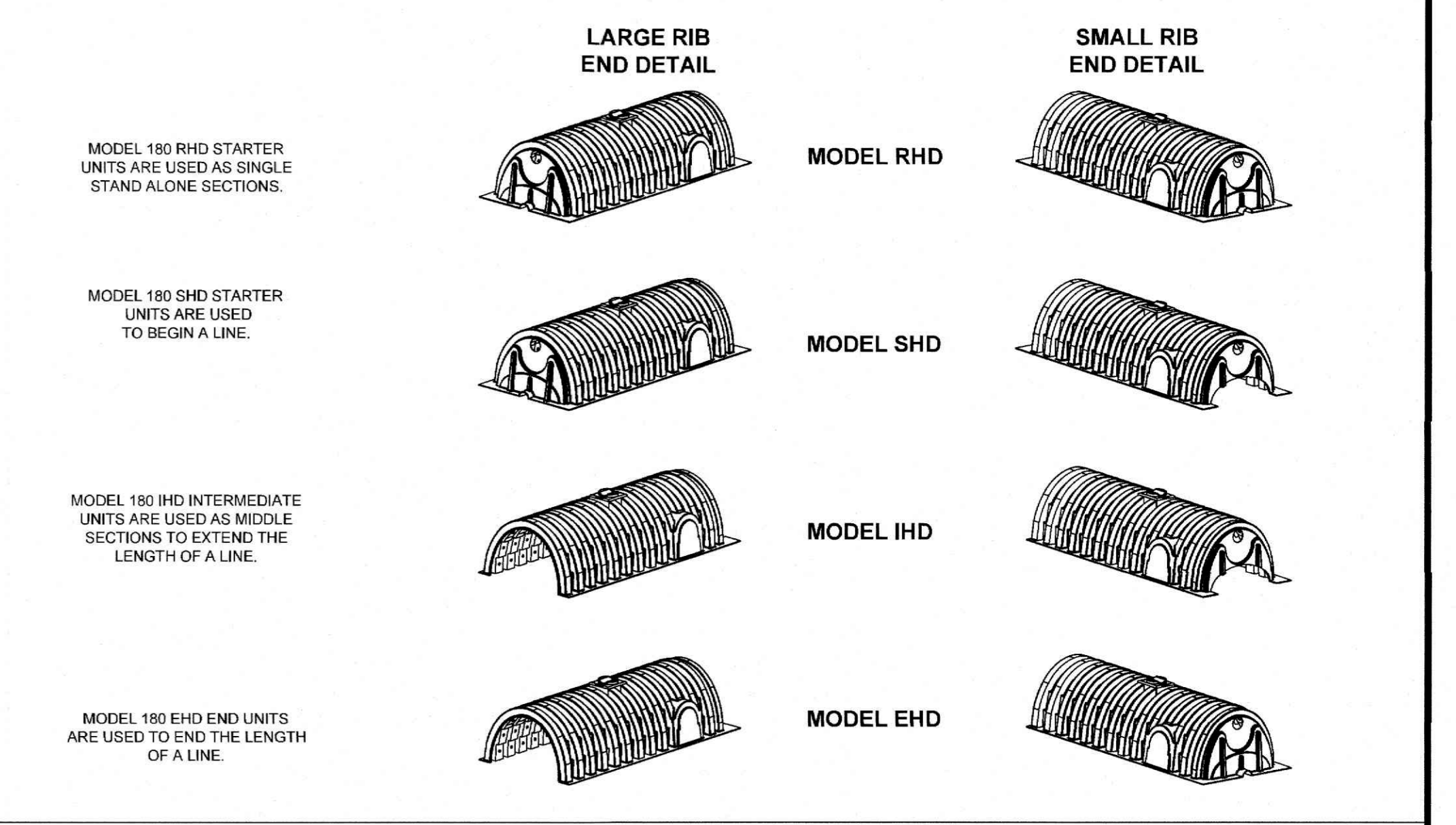
CULTEC FC-24 FEED CONNECTOR SPECIFICATIONS

GENERAL
 CULTEC HVLV (HIGH VOLUME, LOW VELOCITY) FEED CONNECTOR POLYETHYLENE CHAMBERS ARE DESIGNED FOR UNDERGROUND STORMWATER MANAGEMENT. THE CHAMBERS MAY BE USED TO MANIFOLD CULTEC RECHARGER MODEL 180HD CHAMBER SYSTEMS FOR RETENTION, RECHARGING, DETENTION, AND CONTROLLING THE FLOW OF ON-SITE STORMWATER RUNOFF.

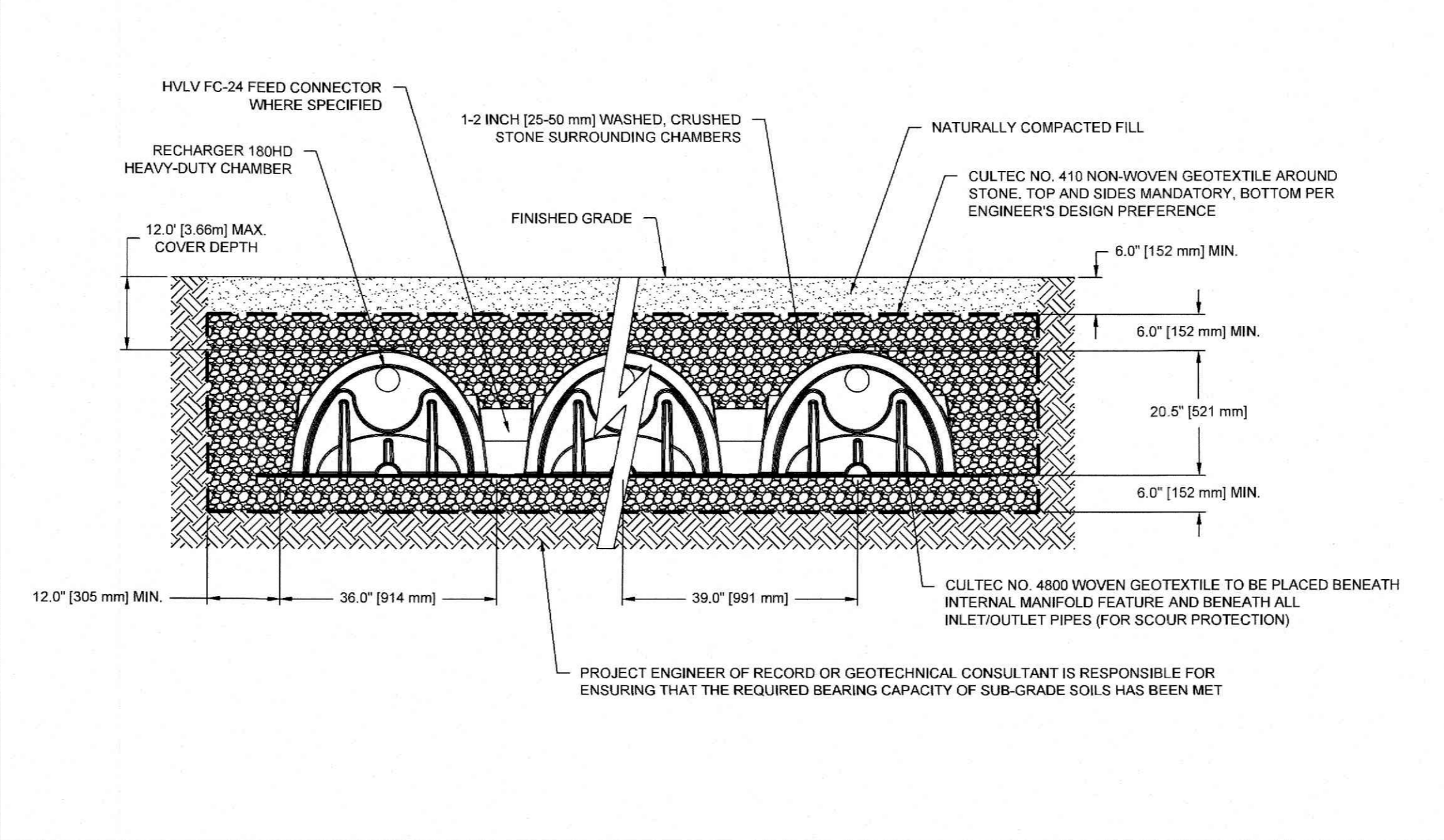
- CHAMBER PROPERTIES**
- THE CHAMBERS SHALL BE MANUFACTURED BY CULTEC, INC. OF BROOKFIELD, CT (203-775-4416).
 - CONTACT CULTEC, INC. AT 203-775-4416 FOR SUBMITTAL PACKAGES AND TO PURCHASE PRODUCT.
 - THE NOMINAL CHAMBER DIMENSIONS OF THE CULTEC HVLV FC-24 FEED CONNECTOR SHALL BE 12 INCHES TALL, 16 INCHES WIDE. THE HVLV FC-24 IS 54 INCHES LONG. THE HVLV FC-24 IS 24.2 INCHES LONG.
 - THE NOMINAL STORAGE VOLUME OF THE HVLV FC-24 FEED CONNECTOR SHALL BE 0.913 CF/FT.
 - THE CHAMBER SHALL BE VACUUM THERMOFORMED OF HIGH MOLECULAR WEIGHT HIGH DENSITY POLYETHYLENE (HMWHDPE) WITH A BLACK INTERIOR AND BLUE EXTERIOR.
 - THE HVLV FC-24 FEED CONNECTOR MUST BE FORMED AS A WHOLE CHAMBER HAVING TWO OPEN END WALLS, AND HAVING NO SEPARATE END PLATES OR SEPARATE END WALLS. THE UNIT SHALL FIT INTO THE SIDE PORTALS OF THE RECHARGER 180HD.
 - ALL CHAMBERS SHALL BE ARCHED IN SHAPE.
 - HEAVY DUTY UNITS ARE DESIGNED ACCORDING TO AASHTO HS-25 LOAD RATING (40,000 LBS. AXLE) WHEN BURIED ACCORDING TO CULTEC'S RECOMMENDED INSTALLATION INSTRUCTIONS.
 - HEAVY DUTY UNITS ARE DESIGNATED BY A COLORED STRIPE ALONG THE LENGTH OF THE CHAMBER.
 - THE CHAMBER SHALL BE MANUFACTURED IN AN ISO 9001:2015 CERTIFIED FACILITY.
- CULTEC NO. 410™ NON-WOVEN GEOTEXTILE**
 CULTEC NO. 410™ NON-WOVEN GEOTEXTILE MAY BE USED WITH CULTEC CONTACTOR® AND RECHARGER® STORMWATER INSTALLATIONS TO PROVIDE A BARRIER THAT PREVENTS SOIL INTRUSION INTO THE STONE.
- GEOTEXTILE PARAMETERS**
- THE GEOTEXTILE SHALL BE PROVIDED BY CULTEC, INC. OF BROOKFIELD, CT (203-775-4416 OR 1-800-428-5832)
 - THE GEOTEXTILE SHALL BE BLACK IN APPEARANCE.
 - THE GEOTEXTILE SHALL HAVE A TYPICAL WEIGHT OF 4.5 OZ/SY (142 G/M).
 - THE GEOTEXTILE SHALL HAVE A TENSILE STRENGTH VALUE OF 120 LBS (533 N) PER ASTM D4632 TESTING METHOD.
 - THE GEOTEXTILE SHALL HAVE AN ELONGATION @ BREAK VALUE OF 50% PER ASTM D4632 TESTING METHOD.
 - THE GEOTEXTILE SHALL HAVE A MULLEN BURST VALUE OF 225 PSI (1.551 KPA) PER ASTM D3786 TESTING METHOD.
 - THE GEOTEXTILE SHALL HAVE A PUNCTURE STRENGTH VALUE OF 65 LBS (289 N) PER ASTM D4833 TESTING METHOD.
 - THE GEOTEXTILE SHALL HAVE A CBR PUNCTURE VALUE OF 340 LBS (1513 N) PER ASTM D6241 TESTING METHOD.
 - THE GEOTEXTILE SHALL HAVE A TRAPEZOID TEAR VALUE OF 50 LBS (222 N) PER ASTM D4533 TESTING METHOD.
 - THE GEOTEXTILE SHALL HAVE A AOS VALUE OF 70 U.S. SIEVE (0.212 MM) PER ASTM D4751 TESTING METHOD.
 - THE GEOTEXTILE SHALL HAVE A PERMITTIVITY VALUE OF 1.7 SEC-1 PER ASTM D4491 TESTING METHOD.
 - THE GEOTEXTILE SHALL HAVE A WATER FLOW RATE VALUE OF 135 GAL/MIN/SF (5500 L/MIN/SM) PER ASTM D4491 TESTING METHOD.
 - THE GEOTEXTILE SHALL HAVE A UV STABILITY @ 500 HOURS VALUE OF 70% PER ASTM D4355 TESTING METHOD.
- CULTEC NO. 4800™ WOVEN GEOTEXTILE**
 CULTEC NO. 4800™ WOVEN GEOTEXTILE IS DESIGNED AS AN UNDERLAYMENT TO PREVENT SCOURING CAUSED BY WATER MOVEMENT WITHIN THE CULTEC CHAMBERS AND FEED CONNECTORS UTILIZING THE CULTEC MANIFOLD FEATURE. IT MAY ALSO BE USED AS A COMPONENT OF THE CULTEC SEPARATOR ROW TO ACT AS A BARRIER TO PREVENT SOIL/CONTAMINANT INTRUSION INTO THE STONE WHILE ALLOWING FOR MAINTENANCE.
- GEOTEXTILE PARAMETERS**
- THE GEOTEXTILE SHALL BE PROVIDED BY CULTEC, INC. OF BROOKFIELD, CT. (203-775-4416 OR 1-800-428-5832)
 - THE GEOTEXTILE SHALL BE BLACK IN APPEARANCE.
 - THE GEOTEXTILE SHALL HAVE A TENSILE STRENGTH OF 550 X 550 LBS (2,448 X 2,448 N) PER ASTM D4632 TESTING METHOD.
 - THE GEOTEXTILE SHALL HAVE A ELONGATION @ BREAK RESISTANCE OF 20 X 20% PER ASTM D4632 TESTING METHOD.
 - THE GEOTEXTILE SHALL HAVE A WIDE WIDTH TENSILE RESISTANCE OF 5,070 X 5,070 LBS/FT (74 X 74 KN/M) PER ASTM D4595 TESTING METHOD.
 - THE GEOTEXTILE SHALL HAVE A WIDE WIDTH TENSILE RESISTANCE @ 2% STRAIN OF 960 X 1,096 LBS/FT (14 X 16 KN/M) PER ASTM D4595 TESTING METHOD.
 - THE GEOTEXTILE SHALL HAVE A WIDE WIDTH TENSILE RESISTANCE @ 5% STRAIN OF 2,740 X 2,740 LBS/FT (40 X 40 KN/M) PER ASTM D4595 TESTING METHOD.
 - THE GEOTEXTILE SHALL HAVE A WIDE WIDTH TENSILE RESISTANCE @ 10% STRAIN OF 4,800 X 4,800 LBS/FT (70 X 70 KN/M) PER ASTM D4595 TESTING METHOD.
 - THE GEOTEXTILE SHALL HAVE A CBR PUNCTURE RESISTANCE OF 1,700 LBS (7,560 N) PER ASTM D6241 TESTING METHOD.
 - THE GEOTEXTILE SHALL HAVE A TRAPEZOIDAL TEAR RESISTANCE OF 180 X 180 LBS (801 X 801 N) PER ASTM D4533 TESTING METHOD.
 - THE GEOTEXTILE SHALL HAVE AN APPARENT OPENING SIZE OF 40 U.S. SEC. SIEVE (0.425 MM) PER ASTM D4751 TESTING METHOD.
 - THE GEOTEXTILE SHALL HAVE A PERMITTIVITY RATING OF 0.15 SEC-1 PER ASTM D4491 TESTING METHOD.
 - THE GEOTEXTILE SHALL HAVE A WATER FLOW RATING OF 11.5 GPM/FT² (470 LPM/M²) PER ASTM D4491 TESTING METHOD.
 - THE GEOTEXTILE SHALL HAVE A UV RESISTANCE OF 80% @ 500 HRS. PER ASTM D4355 TESTING METHOD.



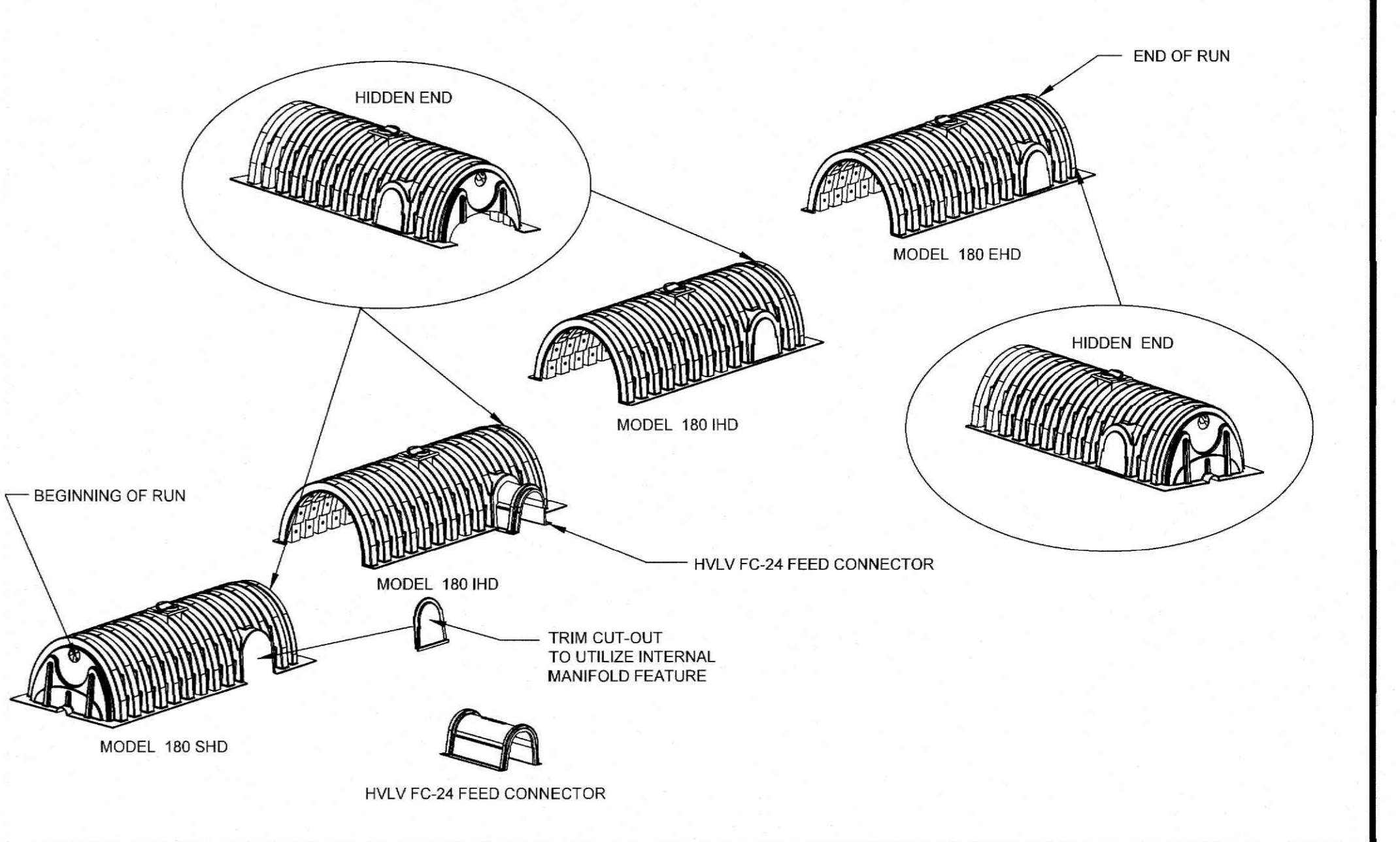
CULTEC RECHARGER 180HD HEAVY DUTY THREE VIEW



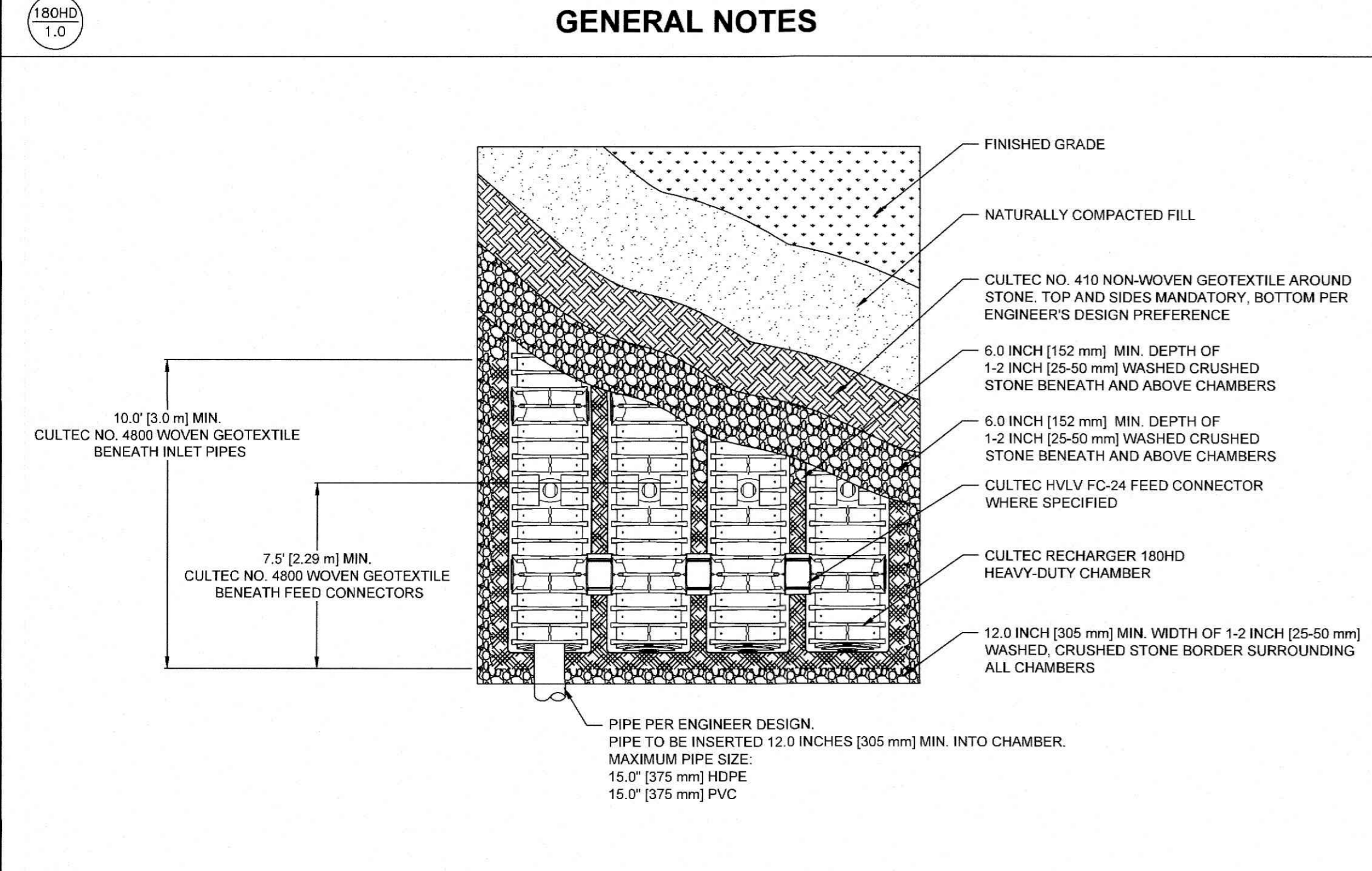
CULTEC RECHARGER 180HD HEAVY DUTY END DETAIL INFORMATION



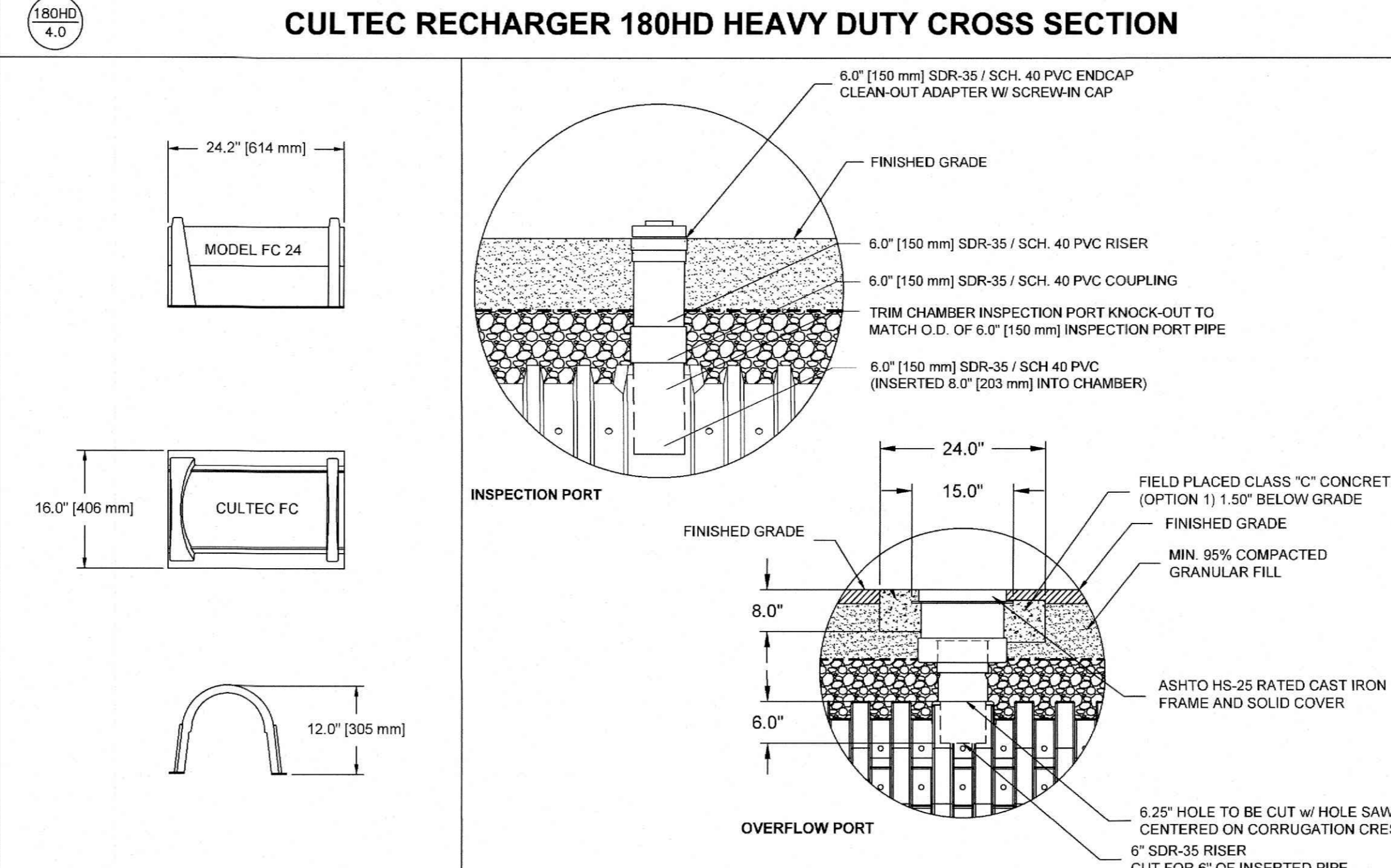
CULTEC RECHARGER 180HD HEAVY DUTY CROSS SECTION



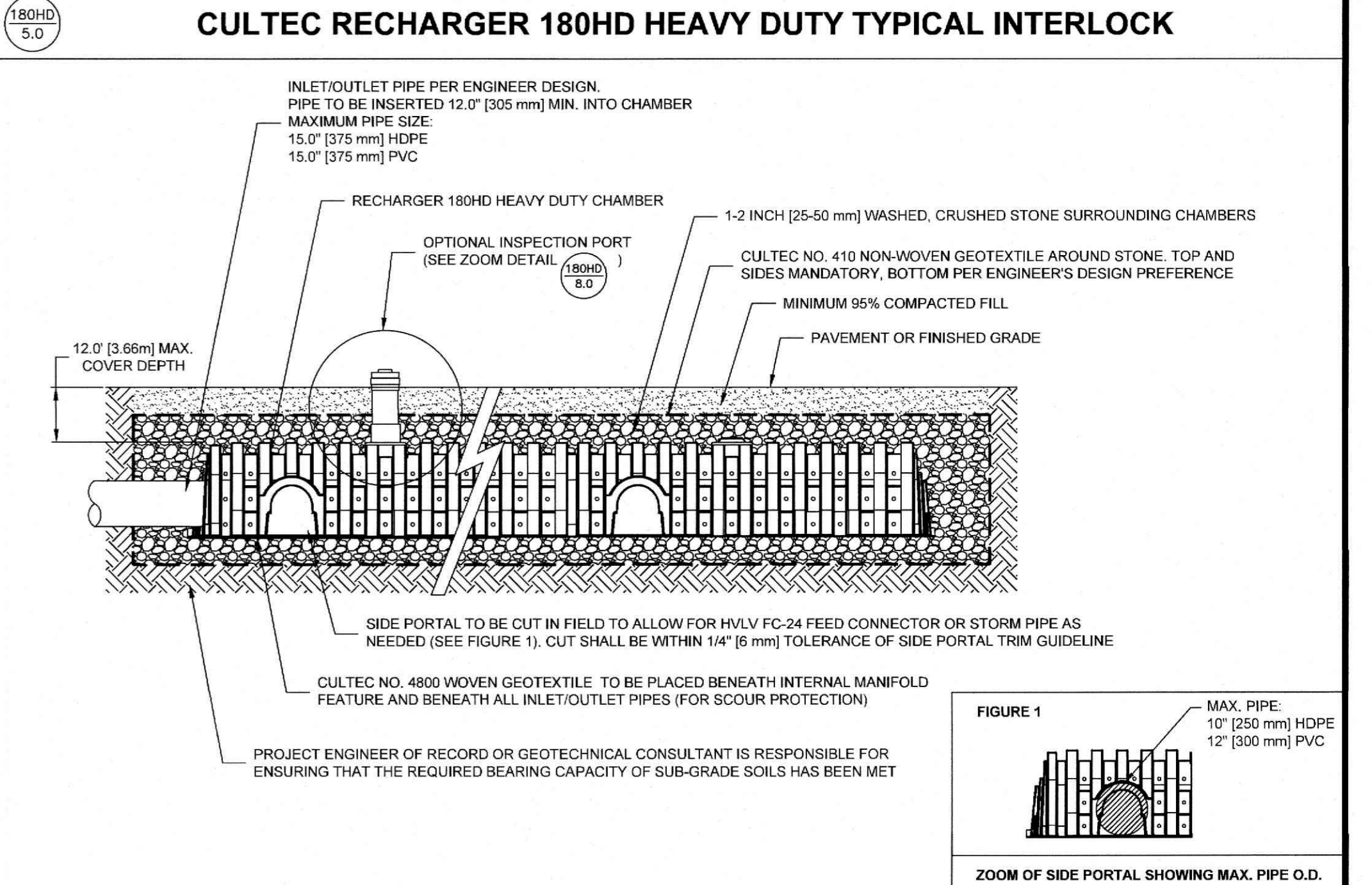
CULTEC RECHARGER 180HD HEAVY DUTY TYPICAL INTERLOCK



GENERAL NOTES



CULTEC HVLV FC-24 FEED CONNECTOR THREE VIEW



CULTEC INTERNAL MANIFOLD DETAIL - OPTIONAL INSPECTION PORT DETAIL

CULTEC, Inc.
 Subsurface Stormwater Management Systems
 P.O. Box 280
 878 Federal Road
 Brookfield, CT 06804
 www.cultec.com
 PH: (203) 775-4416
 FX: (203) 775-1462
 tech@cultec.com

THIS DRAWING WAS PREPARED TO SUPPORT THE DESIGN ENGINEER FOR THE PROPOSED SYSTEM. IT IS THE ULTIMATE RESPONSIBILITY OF THE DESIGN ENGINEER TO ASSURE THAT THE STORMWATER SYSTEM'S DESIGN IS IN FULL COMPLIANCE WITH ALL APPLICABLE LAWS AND REGULATIONS. IT IS THE DESIGN ENGINEER'S RESPONSIBILITY TO ENSURE THAT THE CULTEC PRODUCTS ARE DESIGNED IN ACCORDANCE WITH CULTEC'S MINIMUM REQUIREMENTS. CULTEC INC. DOES NOT APPROVE PLANS, SIZING, OR SYSTEM DESIGNS. THE DESIGNING ENGINEER IS RESPONSIBLE FOR ALL DESIGN DECISIONS.

RECHARGER 180HD
 DETAIL SHEET
 NON-TRAFFIC APPLICATION

CULTEC STORMWATER CHAMBER			
PROJECT NO:		DATE:	2019
DRAWN BY:	CULTEC, INC	CHECKED BY:	TECH
SCALE:	N.T.S.	SHEET NO:	1 OF 1