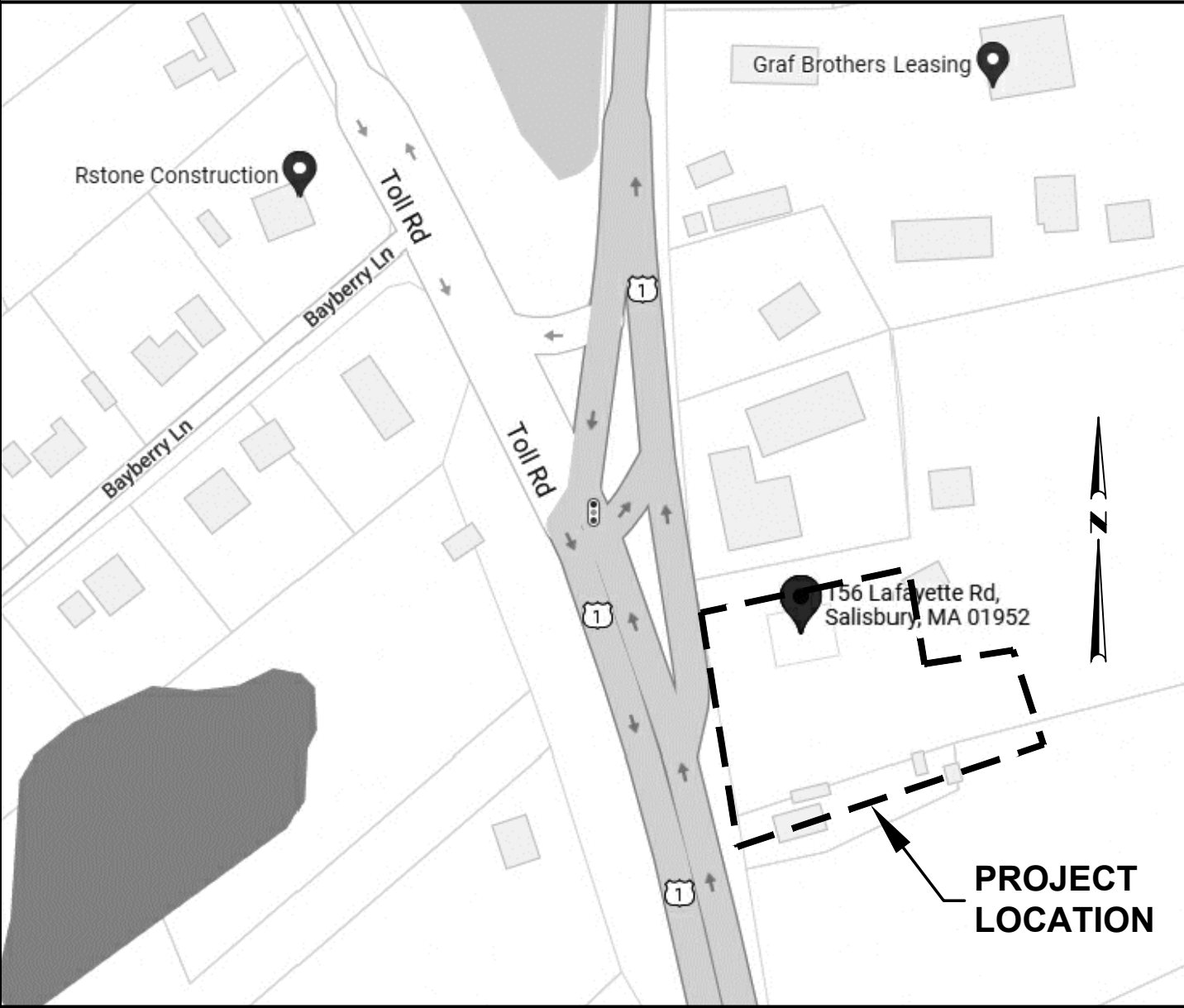




LOCUS MAP

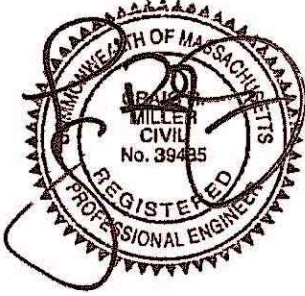
156 LAFAYETTE ROAD REDEVELOPMENT

SEACOAST CANINE
SALISBURY, MASSACHUSETTS

INDEX

FEBRUARY 15, 2022

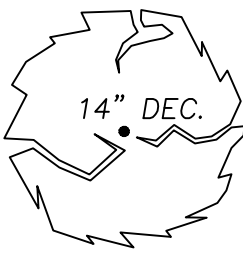
SHEET NO.	DESCRIPTION
G-1	TITLE & INDEX SHEET
EC-1	EXISTING CONDITIONS
C-1	SITE PREPARATION AND DEMOLITION
C-2	LAYOUT & MATERIALS
C-3	DRAINAGE & UTILITIES
C-4	GRADING
C-5	PHOTOMETRIC PLAN
D-1	DETAILS
D-2	DETAILS
D-3	DETAILS



EXISTING CONDITIONS NOTES

1. THIS PLAN REPRESENTS THE SITE CONDITIONS FROM EXISTING SURVEY SHOWN ON PLAN OF LAND IN SALISBURY, MA SHOWING APPROVAL NOT REQUIRED AT 156 LAFAYETTE ROAD BY MILLENIUM ENGINEERING, INC. FOR DOROTHY TRIANDAFILOU TRUST DATED NOVEMBER 23, 2020. ADDITIONAL INFORMATION FROM PLAN OF LAND IN SALISBURY SHOWING PROPOSED SUBDIVISION AT 156 LAFAYETTE ROAD BY MILLENNIUM ENGINEERING, INC. FOR DOROTHY TRIANDAFILOU TRUST DATED JULY 10, 2019. ADDITIONAL INFORMATION FROM SURFACE TIES PERFORMED BY WATERFIELD DESIGN GROUP, INC. ON DECEMBER 9, 2021.
2. ELEVATION DATUM IS NAVD 1988.
3. HORIZONTAL DATUM IS ASSUMED.
4. THE PROPER UTILITY COMPANY SHOULD BE CONSULTED AND THE ACTUAL LOCATIONS OF SUBSURFACE STRUCTURES SHOULD BE VERIFIED IN THE FIELD BEFORE ANY WORK ON THIS PROJECT IS PERFORMED. CONTACT THE DIG SAFE CENTER AT 1-888-344-7233 OR (811), SEVENTY-TWO HOURS PRIOR TO EXCAVATION, BLASTING, GRADING, AND/OR PAVING.
5. THIS DOCUMENT IS AN INSTRUMENT OF SERVICE OF WATERFIELD DESIGN GROUP. ANY USE OR REUSE OF THIS DOCUMENT FOR ANY REASON BY ANY PART FOR PURPOSES UNRELATED DIRECTLY AND SOLELY TO SAID CONTRACT AND PROJECT SHALL BE AT THE USER'S SOLE AND EXCLUSIVE RISK AND LIABILITY, INCLUDING LIABILITY FOR VIOLATION OF COPYRIGHT LAWS, UNLESS WRITTEN AUTHORIZATION IS GIVEN THEREFORE BY WATERFIELD DESIGN GROUP.
6. THE LOCATIONS OF UNDERGROUND PIPES, CONDUITS, AND STRUCTURES ARE APPROXIMATE ONLY. COMPILED LOCATIONS OF ANY UNDERGROUND STRUCTURES, NOT VISIBLY OBSERVED AND LOCATED, CAN VARY FROM THEIR ACTUAL LOCATIONS. SEE NOTE 1.
7. ADDITIONAL BURIED UTILITIES/STRUCTURES MAY BE ENCOUNTERED.
8. THE STATUS OF UTILITIES, (ACTIVE, ABANDONED, OR REMOVED) IS AN UNKNOWN CONDITION UNLESS OTHERWISE NOTED.
9. IT IS INCUMBENT UPON INDIVIDUALS USING THIS INFORMATION TO UNDERSTAND THAT COMPILED UTILITY INFORMATION IS NOT EXACT AND IS SUBJECT TO CHANGE BASED UPON VARYING PLAN INFORMATION RECEIVED AND ACTUAL LOCATIONS.
10. UTILITY INFORMATION SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. ENGINEER SHALL BE CONTACTED IN THE EVENT THAT THE UTILITY PLAN IS NOT ACCURATE.
11. WETLANDS LOCATED BY MILLENNIUM ENGINEERING. LOCATIONS CONFIRMED BY SEEKAMP ENVIRONMENTAL ON SEPTEMBER 10, 2021.

LEGEND

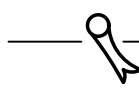


14" DEC.

EXISTING TREE

--- 64 --- ELEVATION CONTOUR MINOR

--- 65 --- ELEVATION CONTOUR MAJOR



WETLAND FLAG / WETLAND EDGE

TP-1
GWT=50.0



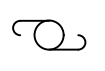
SOIL TEST PIT

--- W --- WATER LINE

--- G --- GAS LINE

--- E --- ELECTRICAL LINE

--- S --- SEWER LINE

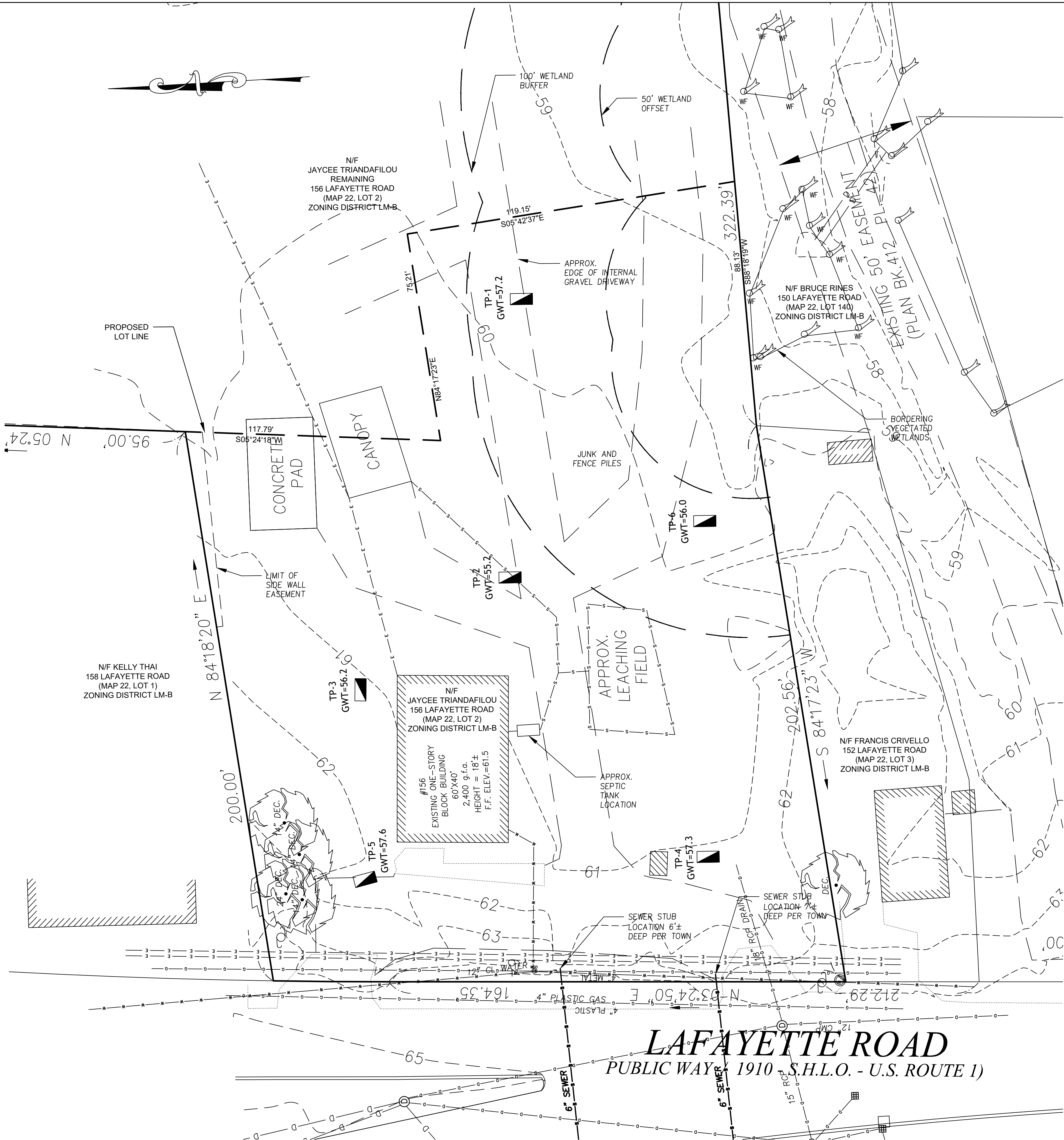
 UTILITY POLE

--- 50 FT. WETLAND SETBACK

--- 100 FT. WETLAND SETBACK

--- GRAVEL DRIVE

--- PROPOSED LOT LINE



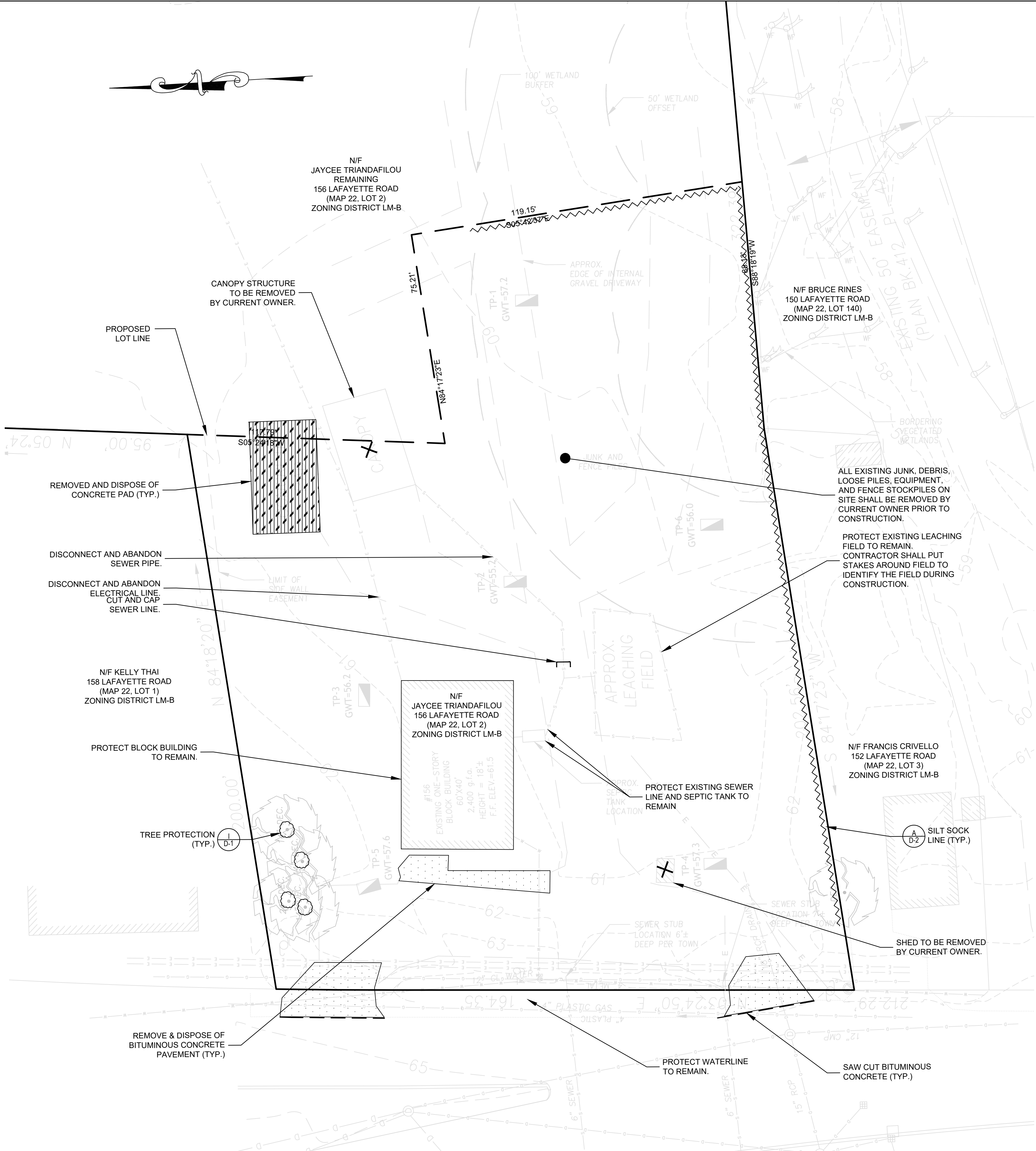
	DESIGN BY:	DRAWING TITLE: EXISTING CONDITIONS				CLIENT: Seacoast Canine 5a Fanaras Drive Salisbury, MA 01952	PROJECT TITLE: 156 LAFAYETTE ROAD SALISBURY, MASSACHUSETTS	 50 Cross Street Winchester, Massachusetts 01890 T 781.756.0001 F 781.756.0007	SCALE: 1" = 20'	EC-1 SHEET 2 OF 10
	DRAWN BY: JRM	REV		DATE	BY				DATE: 2-15-2022	
	CHECK BY: CRM								FILENAME: W-1686	

SITE PREPARATION & DEMOLITION NOTES

1. ALL DEMOLITION DEBRIS SHALL BE LEGALLY DISPOSED OF OFF SITE AND SHALL BE CONSIDERED INCIDENTAL WORK.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITS, AND LICENSES, FEES AND APPROVALS REQUIRED TO CORRECTLY COMPLETE THE WORK, INCLUDING STREET OCCUPANCY PERMITS.
3. THE CONTRACTOR SHALL ASSUME COMPLETE RESPONSIBILITY AND LIABILITY FOR THE SAFETY OF ALL WHO WILL TRAVERSE THROUGH THE SITE AND THE STRUCTURAL INTEGRITY AND SAFETY OF ALL EXCAVATIONS, STORED ITEMS, WORK AND UTILITIES TO REMAIN DURING CONSTRUCTION.
4. THE CONTRACTOR SHALL ENSURE THE MAINTENANCE OF SAFETY AND TRAFFIC ON THE PUBLIC AND PRIVATE WAYS AFFECTED BY THE CONSTRUCTION OF THIS PROJECT.
5. COMPLETELY DEMOLISH ALL FOUNDATIONS, SLABS AND FOOTINGS AND OTHER BELOW GRADE STRUCTURES UNLESS OTHERWISE SPECIFIED OR CALLED OUT IN THE DRAWING.
6. ALL EXISTING SURFACE CASTINGS THAT ARE LOCATED IN THE CONSTRUCTION AREA SHALL BE ADJUSTED OR MODIFIED TO MEET THE PROPOSED FINISH GRADES.
7. ALL CATCH BASIN AND INLET STRUCTURES SHALL BE CLEARED OF DEBRIS AND FLUSHED FOR POSITIVE DRAINAGE UPON COMPLETION OF WORK.
8. SEE LAYOUT PLANS FOR ACCURATE DIMENSIONS TO NEW PAVING, CURBING, ETC. CONSULT ALL DRAWINGS FOR COORDINATING WORK PRIOR TO COMMENCING.
9. THE CONTRACTOR IS RESPONSIBLE FOR DAMAGE INSIDE AND OUTSIDE OF LIMITS OF WORK DUE TO CONTRACT OPERATIONS. DAMAGED MATERIAL SHALL INCLUDE BUT IS NOT LIMITED TO PROTECTING GRANITE AND CONCRETE CURBS, WALLS, GATES, FENCES, PLANTERS, SIGNS, AND FIRE HYDRANTS. IF MATERIAL IS DAMAGED IT SHALL BE REPLACED BY THE CONTRACTOR AT NO COST TO THE OWNER.
10. CONTRACTOR SHALL CLEAN CONSTRUCTION SITE DAILY TO PREVENT DUST AND DEBRIS FROM LEAVING THE SITE. DUST CONTROL MUST BE AVAILABLE AT ALL TIMES. CONSTRUCTION AREA MUST BE BROOM SWEEPED AND WASHED DOWN AS OFTEN AS REQUIRED TO MAINTAIN A CLEAN SITE ACCEPTABLE TO THE OWNER.
11. CONTRACTOR SHALL PROVIDE EMERGENCY ACCESS TO SITE AT ALL TIMES. ANY EQUIPMENT NOT IN USE MUST BE CONFINED TO THE LIMIT OF WORK AREA. CONTRACTOR SHALL COORDINATE EQUIPMENT, DISRUPTION, STAGING AREAS, AND SEQUENCE OF WORK DAILY WITH OWNER OR OWNER'S REPRESENTATIVE.
12. CONTRACTOR MAY STRIP AND STOCKPILE TOPSOIL, COMPACTED GRAVEL, AND BITUMINOUS MATERIAL FOR POTENTIAL REUSE.
13. EXISTING TOPSOIL SHALL BE USED FOR LOAM MIXTURES ONLY IF TESTING INDICATES TOTAL CONFORMITY TO THE SPECIFICATION FOR LOAM BORROW.
14. ALL STUMPS FROM EXISTING TREES AND SHRUBS SHALL BE REMOVED TO THEIR FULL DEPTH. GRIND STUMPS TO 6" BELOW SURFACE IF FULL REMOVAL WILL DISTURB EXISTING TREES OR PAVEMENT TO REMAIN.
15. TREE PROTECTION FOR EXISTING TREES TO REMAIN SHALL BE INSTALLED PRIOR TO ANY CONSTRUCTION ACTIVITY AND SHALL REMAIN THROUGHOUT CONSTRUCTION.
16. ALL GRASS AND LANDSCAPED AREAS SHALL BE CLEARED AND GRUBBED. ALL SURFACE ITEMS INCLUDING, BUT NOT LIMITED TO PAVERS, TRASH CANS, BENCHES, ETC. SHALL BE REMOVED AND DISPOSED OF.
17. NOTIFY OWNER AND ENGINEER 48 HOURS PRIOR TO CONSTRUCTION.
18. APPROVED PLANS SHALL BE ON SITE AT ALL TIMES.
19. CHANGES TO THIS PLAN MAY OCCUR AS UNFORESEEN CONDITIONS ARISE. ALL CHANGES SHALL BE APPROVED BY ENGINEER AND OWNER.
20. CALCIUM CHLORIDE/ WATER FOR DUST CONTROL SHALL BE AVAILABLE AT ALL TIMES.
21. THE CONTRACTOR SHALL PROTECT ALL SLOPES, VEGETATION, PAVING, WALKS AND IMPROVEMENTS OUTSIDE THE AREAS TO BE AFFECTED BY THE CONSTRUCTION OF THIS PROJECT.
22. "AS-BUILT" UTILITY DRAWINGS ARE TO BE SUBMITTED TO THE OWNER UPON COMPLETION OF THIS PROJECT.
23. ADJUST FRAME AND COVERS OF ALL STRUCTURES TO REMAIN.

LEGEND

- SAWCUT, REMOVE AND DISPOSE OF BITUMINOUS CONCRETE PAVEMENT
- REMOVE AND DISPOSE OF CONCRETE PAVEMENT
- SAWCUT BITUMINOUS CONCRETE PAVEMENT
- SILT SACK
- SILT SOCK LINE
- REMOVE STRUCTURE
- TREE AND SHRUB PROTECTION



	DESIGN BY:	DRAWING TITLE: SITE PREPARATION & DEMOLITION			CLIENT: Seacoast Canine 5a Fanaras Drive Salisbury, MA 01952	PROJECT TITLE: 156 LAFAYETTE ROAD SALISBURY, MASSACHUSETTS	Waterfield Design Group 50 Cross Street Winchester, Massachusetts 01890 T 781.756.0001 F 781.756.0007	SCALE: 1" = 20'	C-1 SHEET 1 OF 10
	DRAWN BY: JRM							DATE: 2-15-2022	
	CHECK BY: CRM							FILENAME: W-1686	
		REV		DATE	BY				

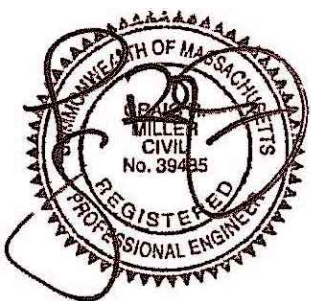
GENERAL NOTES

1. ALL WORK SHALL CONFORM TO THE 1988 COMMONWEALTH OF MASSACHUSETTS DEPARTMENT OF PUBLIC WORKS (M.D.P.W.) STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGES INCLUDING THE JUNE 6, 2006 AND FEBRUARY 25, 2010 SUPPLEMENTAL SPECIFICATIONS, THE M.D.P.W. 1977 CONSTRUCTION STANDARDS INCLUDING THE APRIL 2003 SUPPLEMENTAL DRAWINGS, THE 2009 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, AND THE TOWN OF AGAWAM STANDARDS, WHERE APPLICABLE.
2. THE APPROXIMATE LOCATIONS OF EXISTING UTILITIES ARE BASED UPON THE BEST INFORMATION AVAILABLE. THE LOCATION PRECISION IS NOT GUARANTEED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY APPLICABLE EXISTING CONDITIONS AT THE SITE PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL WORK WITH THE AGAWAM PUBLIC WORKS DEPARTMENT AND THE OWNER IN LOCATING EXISTING UTILITIES WHEN DIRECTED BY THE CONTRACTING OFFICER.
3. THE CONTRACTOR SHALL CALL THE DIG SAFE NUMBER AND NOTIFY PRIVATE AND PUBLIC UTILITY COMPANIES AT LEAST 72 HOURS PRIOR TO EXCAVATING NEAR ANY UTILITIES THAT MAY BE AFFECTED BY ANY PORTION OF THIS CONSTRUCTION. THE CONTRACTOR SHALL CONFORM WITH THE SPECIFIC REQUIREMENTS FOR EXCAVATION AS SET FORTH IN MASSACHUSETTS GENERAL LAW: CHAPTER 82, SECTION 40A AND OSHA REGULATIONS 29CFR1926.651(a). THE CONTRACTOR SHALL COORDINATE ALL WORK INVOLVING UTILITY COMPANY FACILITIES, WHETHER THOSE FACILITIES BE EXISTING OR PROPOSED.
4. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO SUPPORT AND PROTECT EXISTING UTILITIES IN AND AROUND EXCAVATIONS, AND IN PARTICULAR, WHEN CROSSING UNDER ANY DUCT OR PIPE. THIS SHALL INCLUDE THE USE OF HAND TOOL EXCAVATION WHERE NEEDED. THE CONTRACTOR SHALL MAINTAIN CONTINUOUS UTILITY CUSTOMER SERVICE AND SHALL ENSURE THAT ADEQUATE AND SAFE ACCESS IS PROVIDED TO LOCAL VEHICULAR AND PEDESTRIAN TRAFFIC AT ALL TIMES DURING CONSTRUCTION. SAFE AND CLEAR RESIDENT ACCESS WILL BE MAINTAINED FOR AT LEAST ONE DOOR AT ALL TIMES.
5. ALL TREES, SHRUBS, GRASS AND LANDSCAPED AREAS, AND PHYSICAL SITE FEATURES (BUILDINGS, FENCES, EXISTING WALKWAYS NOT INCLUDED IN THIS PROJECT, LIGHT POLES, SIGNS, BUILDING STAIRS, ETC.), ALONG WITH ALL OTHER PROPERTY OF THE FALMOUTH HOUSING AUTHORITY NOT INCLUDED IN THIS PROJECT SHALL BE PROTECTED DURING CONSTRUCTION OPERATIONS AT ALL TIMES. THIS INCLUDES ADJUTING PRIVATE PROPERTY AS WELL. ANY DAMAGE OR LOSS TO THE ABOVE ITEMS OR AREAS CAUSED BY THE ACTIONS OF THE CONTRACTOR SHALL BE IMMEDIATELY REPAIRED OR REPLACED BY THE CONTRACTOR AT NO COST TO THE OWNER. THE CONTRACTOR IS ALSO RESPONSIBLE FOR THE ACTIONS OF ALL SUB-TRADES AND SUBCONTRACTORS THAT THE CONTRACTOR MAY INVITE TO PERFORM THE WORK OF THIS CONTRACT.
6. CONTRACTOR SHALL DEVELOP A CONSTRUCTION STAGING PROGRAM FOR REVIEW BY ENGINEER PRIOR TO THE START OF CONSTRUCTION AND PROVIDE SHOP DRAWINGS OF PROPOSED WORK CLOSURE AREA. CONTRACTOR SHALL IN ADVANCE: BARRICADE AND PREVENT PARKING FROM AREAS THAT WILL SOON BE WORKED ON. COORDINATE WITH FALMOUTH HOUSING AUTHORITY TO ENSURE ADEQUATE ADVANCE RESERVATION OF PARKING AREAS FOR CONSTRUCTION PHASING, AND PROVIDE MOVABLE WARNING SIGNS ON BOTH SIDES OF CONSTRUCTION ZONE TO WARN PEDESTRIANS OF WORK IN PROGRESS.
7. DURING THE COURSE OF CONSTRUCTION, THE ENGINEER MAY DIRECT THE CONTRACTOR TO ERECT, RELOCATE, AND/OR PLACE ADDITIONAL SIGNS AS DETERMINED NECESSARY.
8. THE CONTRACTOR WILL ENSURE NO SOIL IS TRACKED OUTSIDE OF THE CONSTRUCTION AREA AND AT ANY AREAS SO IDENTIFIED BY OWNER INSIDE PROJECT AREA.
9. THE INFORMATION CONTAINED ON THE DISK OR ELECTRONIC DRAWING FILES ACCOMPANYING THESE DRAWINGS MUST BE COMPARED TO THE HARD COPY OF THE DRAWINGS TO ENSURE THE ACCURACY OF ALL INFORMATION AND TO ENSURE NO CHANGES, ALTERATIONS, OR MODIFICATIONS HAVE BEEN MADE. RELIANCE SHALL NOT BE MADE ON A DOCUMENT TRANSMITTED BY COMPUTER OR OTHER ELECTRONIC MEANS UNLESS FIRST COMPARED TO THE ORIGINAL SEALED DOCUMENT ISSUED AT THE TIME OF THE BID OPENINGS.
10. CONTRACTOR MUST BE ABLE TO SAFELY AND PROPERLY PROTECT ALL OPEN EXCAVATIONS AND ALL ELEMENTS OF THE OWNER'S PROPERTIES AND OPERATIONS FROM WEATHER (ESPECIALLY, BUT NOT LIMITED TO EXCESSIVE WEATHER) AT ALL TIMES. IF EXCESSIVE RAINS OCCUR, CONTRACTOR SHALL REMOVE SILT SACKS TO FACILITATE PROPER SITE DRAINAGE DURING CONSTRUCTION. THE CONTRACTOR SHALL PROTECT ALL EXISTING CATCH BASINS WITH SILT SACKS AND PREVENT ALL CONSTRUCTION DEBRIS FROM ENTERING THE DRAINAGE SYSTEM. UPON COMPLETION OF CONSTRUCTION, CONTRACTOR SHALL CLEAR CATCH BASINS OF ALL SILT AND DEBRIS AND FLUSH THE DRAINAGE LINE. CONTRACTOR TO CLOSELY MONITOR SITE DRAINAGE AT ALL TIMES DURING CONSTRUCTION TO ENSURE THAT NO FLOODING CAN THREATEN EXISTING FACILITIES. IF SILT SACKS ARE TEMPORALLY REMOVED DUE TO IMPENDING HARSH WEATHER, CONTRACTOR SHALL TAKE OTHER MEANS TO PREVENT SOIL, ETC. FROM ENTERING THE DRAINAGE SYSTEMS. ANY SILT/SOIL/DEBRIS THAT DOES ENTER SUCH SYSTEM MUST BE REMOVED TO ENGINEER'S COMPLETE SATISFACTION BY CONTRACTOR.
11. DEMOLITION, SITE WORK, AND LANDSCAPING SHALL BE SEQUENCED SO AS TO AVOID LONG PERIODS OF DISTURBANCE TO RESIDENTS. CONSTRUCTION SEQUENCING SHALL BE SCHEDULED SO THAT WORK PROGRESSES QUICKLY, EFFICIENTLY AND WITH THE LEAST AMOUNT OF DISTURBANCE TO RESIDENTS. AS DEMOLITION IN ONE AREA IS COMPLETE, ROUGH GRADING AND BASE COURSES OF PAVING SHALL BE SCHEDULED TO BEGIN IMMEDIATELY. THE GENERAL CONTRACTOR WILL BE REQUIRED TO SUBMIT A DETAILED SCHEDULE OUTLINING THE WORK OF ALL SUBCONTRACTORS FOR APPROVAL AND RESIDENT NOTIFICATION BEFORE CONSTRUCTION BEGINS.
12. CONTRACTOR SHALL HIRE A TENANT COORDINATOR TO ACT AS LIAISON BETWEEN THE TENANTS AND THE CONTRACTOR. THE TENANT COORDINATOR SHALL BE REQUIRED EACH AND EVERY DAY THE CONTRACTOR PERFORMS WORK AT THE SITE/DEVELOPMENT UNTIL THE PROJECT IS SUBSTANTIALLY COMPLETE. SEE SPECIFICATIONS.

LAYOUT & MATERIALS NOTES

1. LAYOUT LINES MATCH EXISTING. CONTRACTOR SHALL MARK EXISTING CONDITIONS PRIOR TO DEMOLITION TO ENSURE REPLACEMENT MATERIAL IS REPLACED ACCURATELY.

156 Lafayette Road - LM-B	REQUIRED	EXISTING (ENTIRE LOT)	PROPOSED
MIN. SIZE (ACRES)	0.5	9.1	1.1
MIN. FRONTAGE	100	205.8	205.8
MIN. ALLOWABLE FRONT YARD	20	48	48
MAX. FRONT YARD	40	48	48*
MIN. SIDE YARD	15	109	17.5
MIN. REAR YARD	20	1,081	20
% OPEN SPACE	20	99	38****
MAX. HEIGHT	45	20	20
MAX. BUILDING STORIES	3	1.5	1.5
MIN. NUMBER OF PARKING SPACES	11**/16***	0	25
MAX. CURB CUT	51.5	70.0	65.9
* Setback to Existing Building			
** Retail - Salisbury Zoning Code - 3 spaces per 1,000 SF			
*** Kennel - Newburyport Zoning Code - 1 space per employee at max shift + 4 visitor spaces			
**** Assumes stonedust/crushed stone play areas not considered Open Space			



DESIGN BY:

DRAWN BY: JRM

CHECK BY: CRM

DRAWING TITLE:

LAYOUT & MATERIALS

REV	DATE	BY

CLIENT:

Seacoast Canine
5a Fanaras Drive
Salisbury, MA 01952

PROJECT TITLE:

156 LAFAYETTE ROAD
SALISBURY, MASSACHUSETTS

WDG

Waterfield Design Group

50 Cross Street | Winchester, Massachusetts | 01890
T 781.756.0001 F 781.756.0007

SCALE:

1" = 20'

DATE:

2-15-2022

FILENAME:

W-1686

DRAWING NUMBER:

C-2

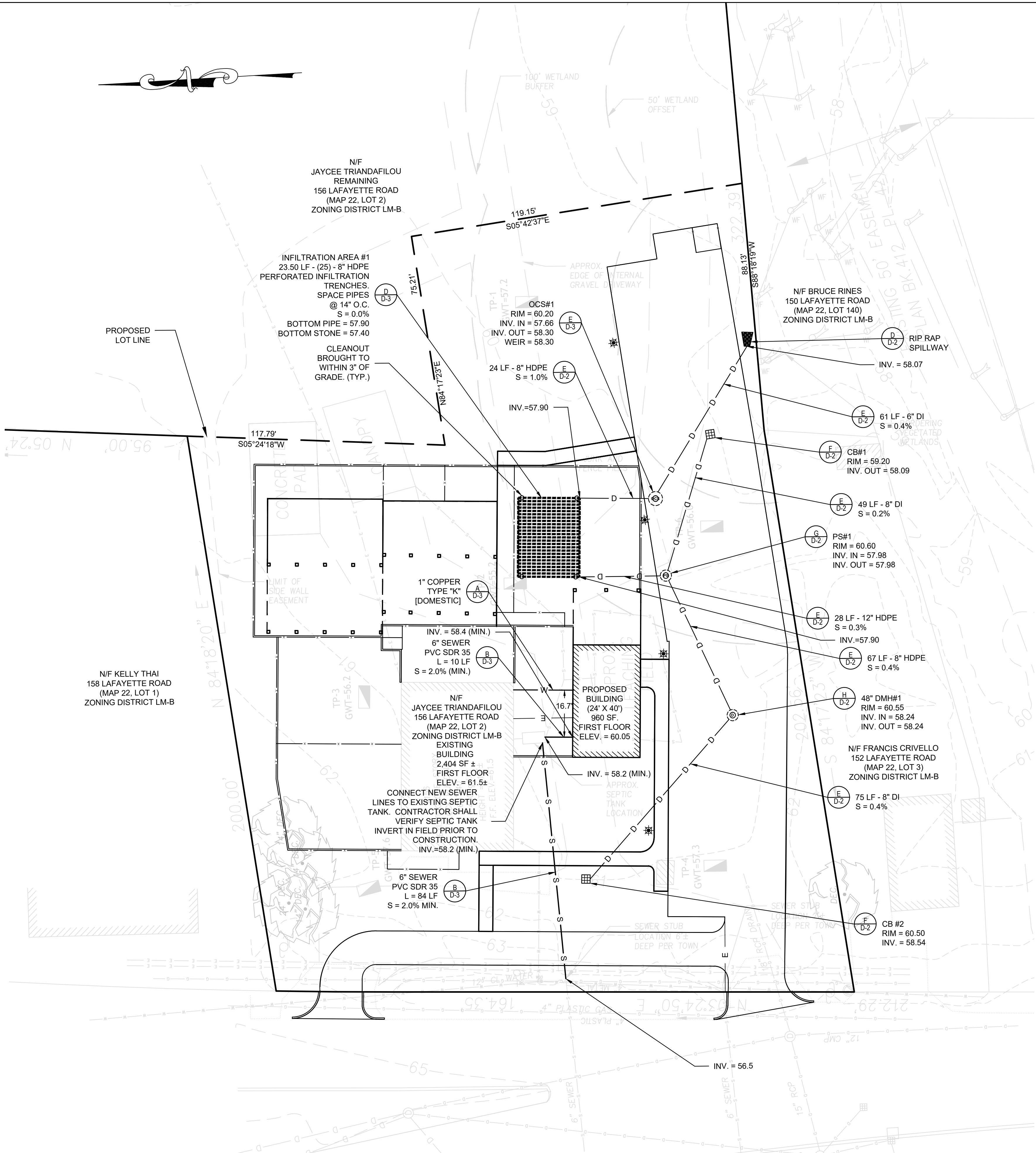
SHEET 4 OF 10

DRAINAGE AND UTILITIES NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRS TO ANY DISRUPTION OF EXISTING INDIVIDUAL UTILITY SERVICE CONNECTIONS, INCLUDING WATER, ELECTRICITY, TELEPHONE, GAS AND CABLE TELEVISION, RESULTING FROM THE CONTRACTOR'S WORK.
2. EXISTING UTILITY LOCATIONS SHOWN ARE APPROXIMATE AND SHALL BE VERIFIED BY THE CONTRACTOR IN THE FIELD. THE CONTRACTOR SHALL COORDINATE HIS CONSTRUCTION ACTIVITIES NEAR UTILITY LOCATIONS WITH THE RESPECTIVE UTILITY REPRESENTATIVE. THE CONTRACTOR MUST CALL "DIG-SAFE 888-344-7233" PRIOR TO ANY UNDERGROUND WORK.
3. ALL PROPOSED CATCH BASINS SHALL HAVE 4' DEEP SUMPS AND SHALL BE FITTED WITH CAST IRON HOODS.
4. CONTRACTOR TO CONFIRM THAT EXISTING ABANDONED UNDERGROUND UTILITIES ENCOUNTERED DURING CONSTRUCTION ARE SHUT OFF AT THE PUBLIC RIGHT-OF-WAY.
5. IN THE EVENT THAT CATCH BASIN INVERTS ARE LESS THAN 4'-0" BELOW PROPOSED RIM ELEVATION THE CONTRACTOR SHALL USE A FLAT TOP SLAB AS OPPOSED TO A CONE RISER.
6. WHEN TAPPING EXISTING PRECAST MANHOLES DRILL HOLES AT 4 INCHES CENTER TO CENTER AROUND THE PERIPHERY OF THE OPENING TO CREATE A PLANE OF WEAKNESS PRIOR TO BREAKING THE SECTION OUT.
7. ALL NEW DRAINAGE PIPES SHALL BE CAPPED UNTIL ALL DRAINAGE ITEMS ASSOCIATED WITH THE NEW UNDERGROUND STORM WATER STORAGE UNITS ARE INSTALLED AND CONSTRUCTION IS COMPLETE. CONTRACTOR SHALL COORDINATE WITH ENGINEER REGARDING THE REMOVAL OF CAPS UPON COMPLETION OF CONSTRUCTION
8. UPON COMPLETION OF CONSTRUCTION CONTRACTOR SHALL PROVIDE VISUAL INSPECTION OF ALL DRAIN LINES WITHIN ON THE SITE PROPERTY. ENGINEER SHALL REVIEW AND APPROVE OF DRAIN LINE INSPECTIONS INCLUDING ANY VIDEO INSPECTIONS BEFORE FINAL PAYMENT IS APPROVED.
9. ALL NUMBERED CATCH BASINS SHOWN ARE NEW CATCH BASINS.
10. PRIOR TO CONSTRUCTION CONTRACTOR SHALL OPEN ALL RELEVANT SANITARY AND DRAIN STRUCTURES ON TOWN OF SALISBURY ROADS TO CONFIRM INVERTS. ANY DISCREPANCIES SHALL BE DISCUSSED WITH THE ENGINEER IMMEDIATELY.
11. ALL WATER CONNECTIONS SHALL BE TESTED TO TOWN OF SALISBURY REQUIREMENTS. CONTRACTOR SHALL COORDINATE WITH TOWN OF SALISBURY DEPARTMENT OF PUBLIC WORKS FOR ALL TESTING AND PAY ALL PERMIT FEES.

LEGEND

-  CATCH BASIN
-  MANHOLE
-  D DRAIN PIPE
-  S SEWER PIPE
-  W WATER PIPE
-  E ELECTRICAL LINE
-  PROPRIETARY SEPARATOR
-  OUTLET CONTROL STRUCTURE
-  DRAIN INFILTRATION AREA
-  DRAIN INFILTRATION AREA CLEAN OUT



GRADING NOTES

1. CONTRACTOR SHALL VERIFY EXISTING GRADES AND NOTIFY LANDSCAPE ARCHITECT AND CIVIL ENGINEER OF ANY DISCREPANCIES.
2. MATCH EXISTING GRADES IN AREAS WHERE PROPOSED CONTOURS ARE NOT INDICATED.
3. PROPOSED GRADES TO BLEND SMOOTHLY WITH EXISTING GRADES.
4. MATCH EXISTING GRADES WHERE PROPOSED AND EXISTING PAVEMENTS MEET.
5. ALL GRADING SHALL COMPLY WITH THE RULES AND REGULATIONS OF THE MASSACHUSETTS ARCHITECTURAL ACCESS BOARD (MAAB) AND THE AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES (ADAAG), LATEST EDITION. IN CASE OF CONFLICT BETWEEN REGULATIONS, THE GUIDELINE PROVIDING GREATER ACCESS SHALL APPLY.
6. GRADE EVENLY BETWEEN SPOT GRADES AS NOTED.
7. PROPOSED GRADES INDICATE INTENT. VERIFY ELEVATIONS AND MAKE ADJUSTMENTS AS APPROVED BY ENGINEER TO MEET FIELD CONDITIONS AND PROVIDE POSITIVE DRAINAGE.
8. AT ALL LOCATIONS WHERE EXISTING PAVEMENT ABUTS NEW CONSTRUCTION, THE EDGE OF THE EXISTING PAVEMENT SHALL BE SAW CUT TO A CLEAN, SMOOTH EDGE. WHERE NEW PAVING MEETS EXISTING PAVING, MEET LINE AND GRADE OF EXISTING WITH NEW.
9. FINAL SHAPING OF EARTHWORK SHALL BE APPROVED IN THE FIELD BY THE ENGINEER.
10. PROVIDE POSITIVE PITCH TO CATCH BASINS FOR ALL AREAS.
11. PROVIDE POSITIVE PITCH AWAY FROM BUILDINGS FOR ALL AREAS.
12. ALL EXISTING SURFACE CASTINGS (VALVE BOXES, MANHOLE COVERS, CATCH BASIN FRAMES, ETC.) LOCATED IN THE LIMIT OF WORK ARE TO REMAIN AND SHALL BE ADJUSTED OR MODIFIED TO MEET THE PROPOSED FINISH GRADES AND ELIMINATE ALL TRIP HAZARDS.
13. MAXIMUM CROSS SLOPE ON WALKWAYS SHALL BE 2%.
14. PROPOSED CONCRETE PADS SHALL HAVE MAXIMUM SLOPE OF 2.0%, MINIMUM SLOPE OF 1%.

LEGEND

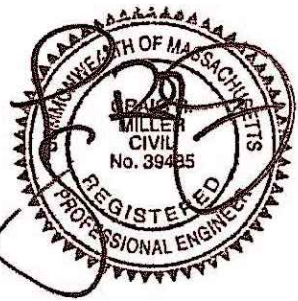
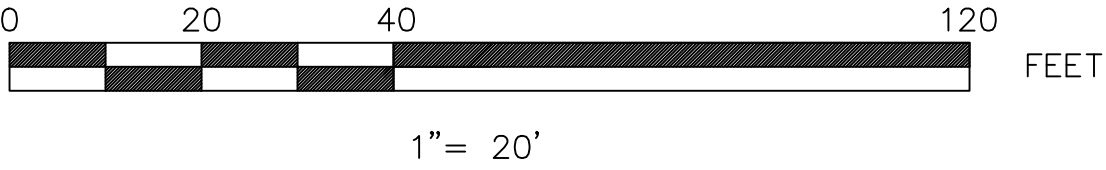
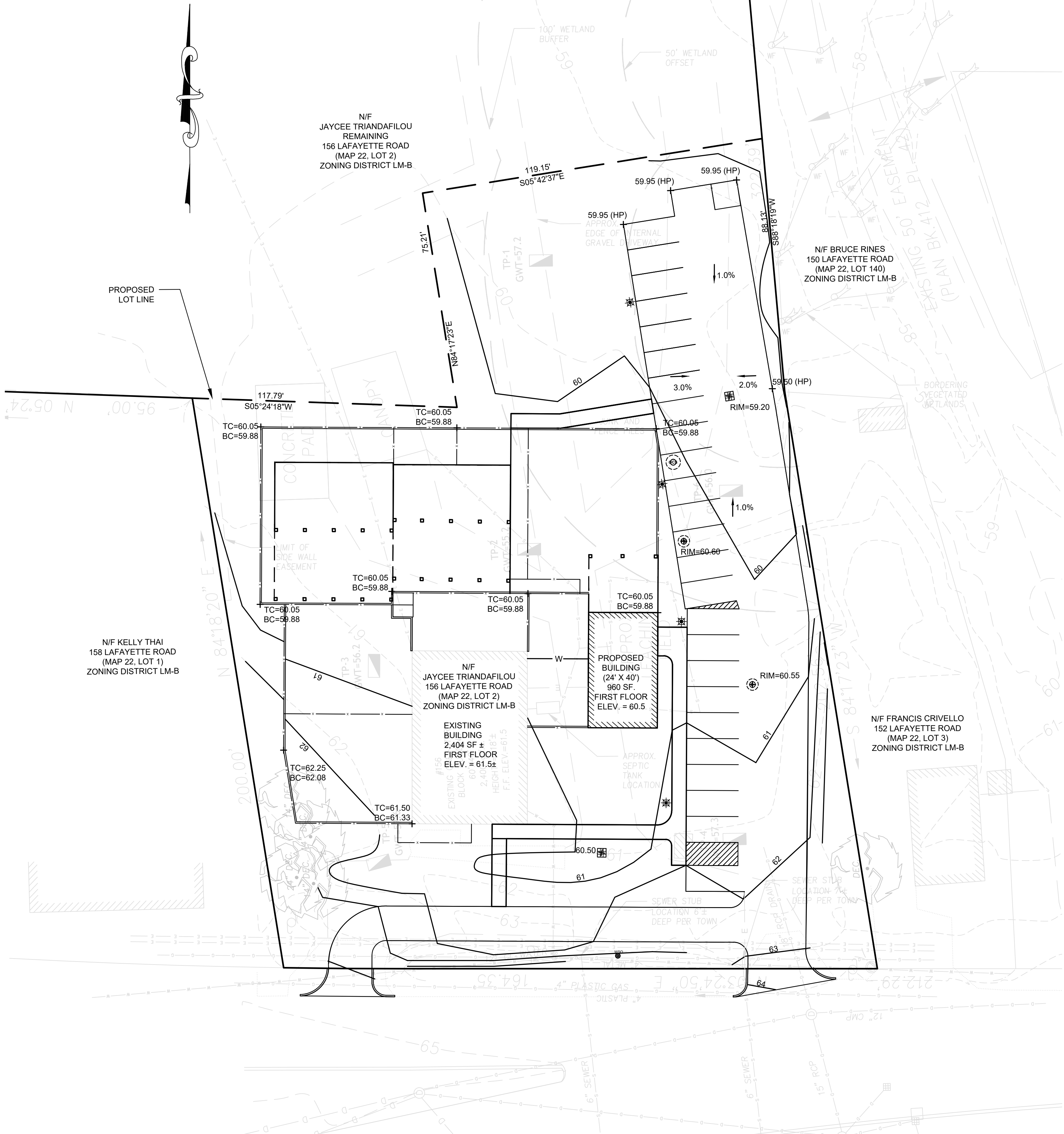
- 98.50

PROPOSED SPOT GRADE
- (98.50)

EXISTING SPOT GRADE
- 100

PROPOSED CONTOUR
- 1.5%

PROPOSED SLOPE



DESIGN
BY: JRM

DRAWN
BY: JRM

CHECK
BY: CRM

DRAWING TITLE: GRADING			
REV		DATE	BY

CLIENT:

Seacoast Canine
5a Fanaras Drive
Salisbury, MA 01952

PROJECT TITLE:

156 LAFAYETTE ROAD
SALISBURY, MASSACHUSETTS

WDG Waterfield Design Group

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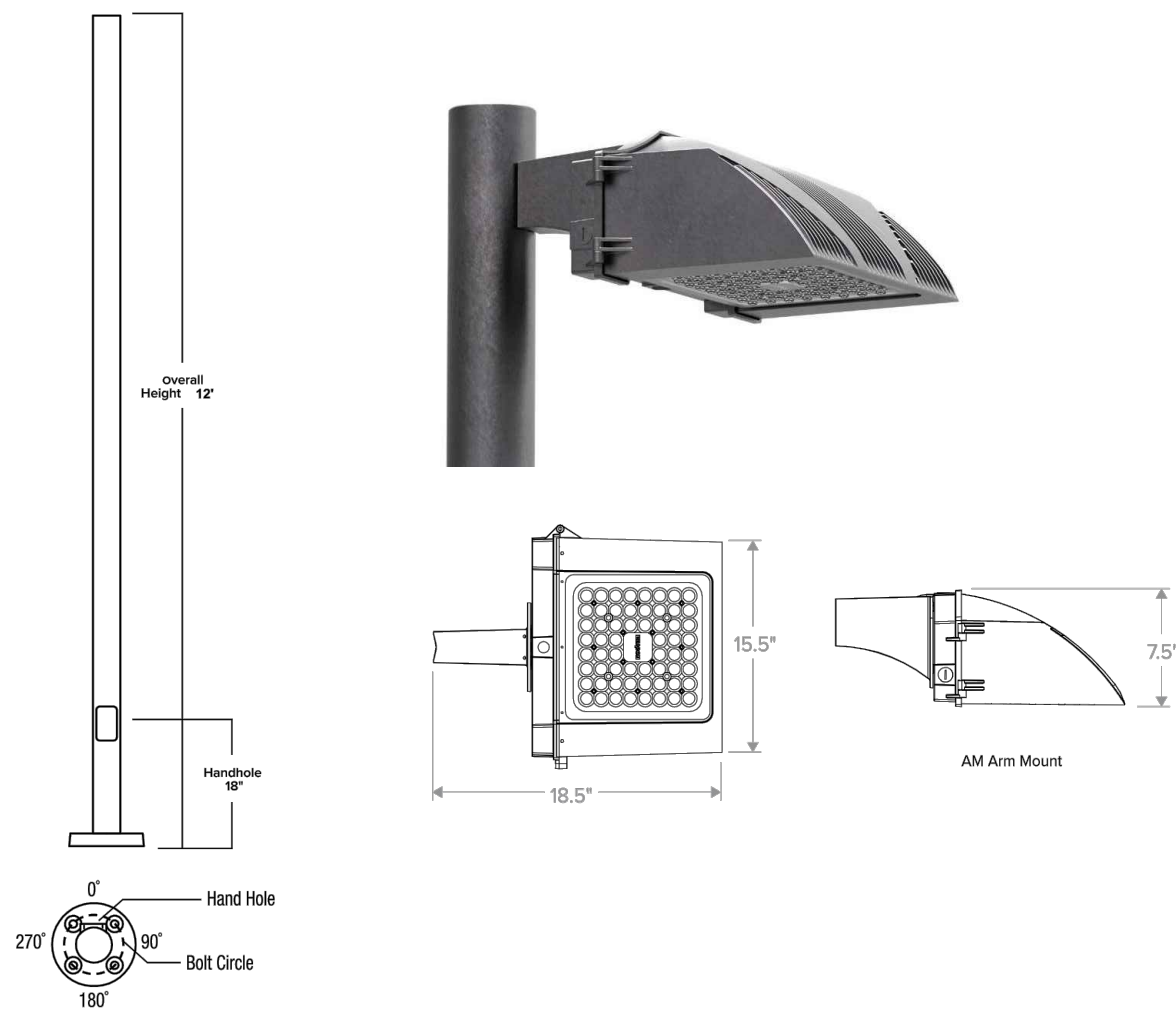
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SHEET 6 OF 10

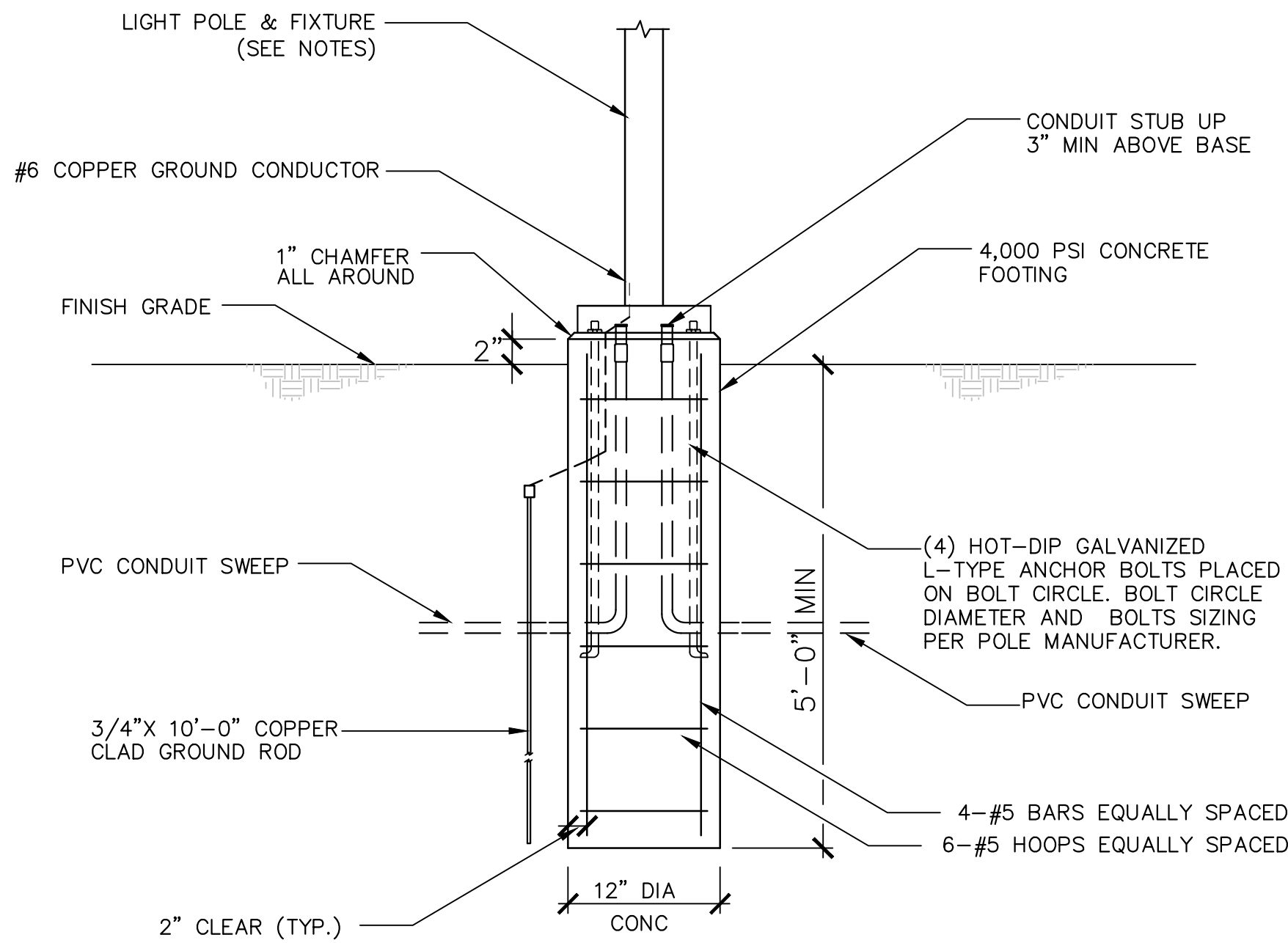
LIGHTING NOTES

1. LIGHT FIXTURE: BEACON (HUBBELL LIGHTING) CRUZER AREA LUMINAIRE. SEE CHART FOR SPEC INFO.
2. LIGHT POLE: BEACON (HUBBELL LIGHTING) RSA-B-S SERIES ROUND STRAIGHT ALUMINUM POLE. 12' HEIGHT.
3. DISTRIBUTOR: OMNILITE, CONTACT: PAUL ABDELLA, PABDELLA@ILLUMIATENE.COM, 617-835-4517.



A LIGHT POLE

SCALE: N.T.S.

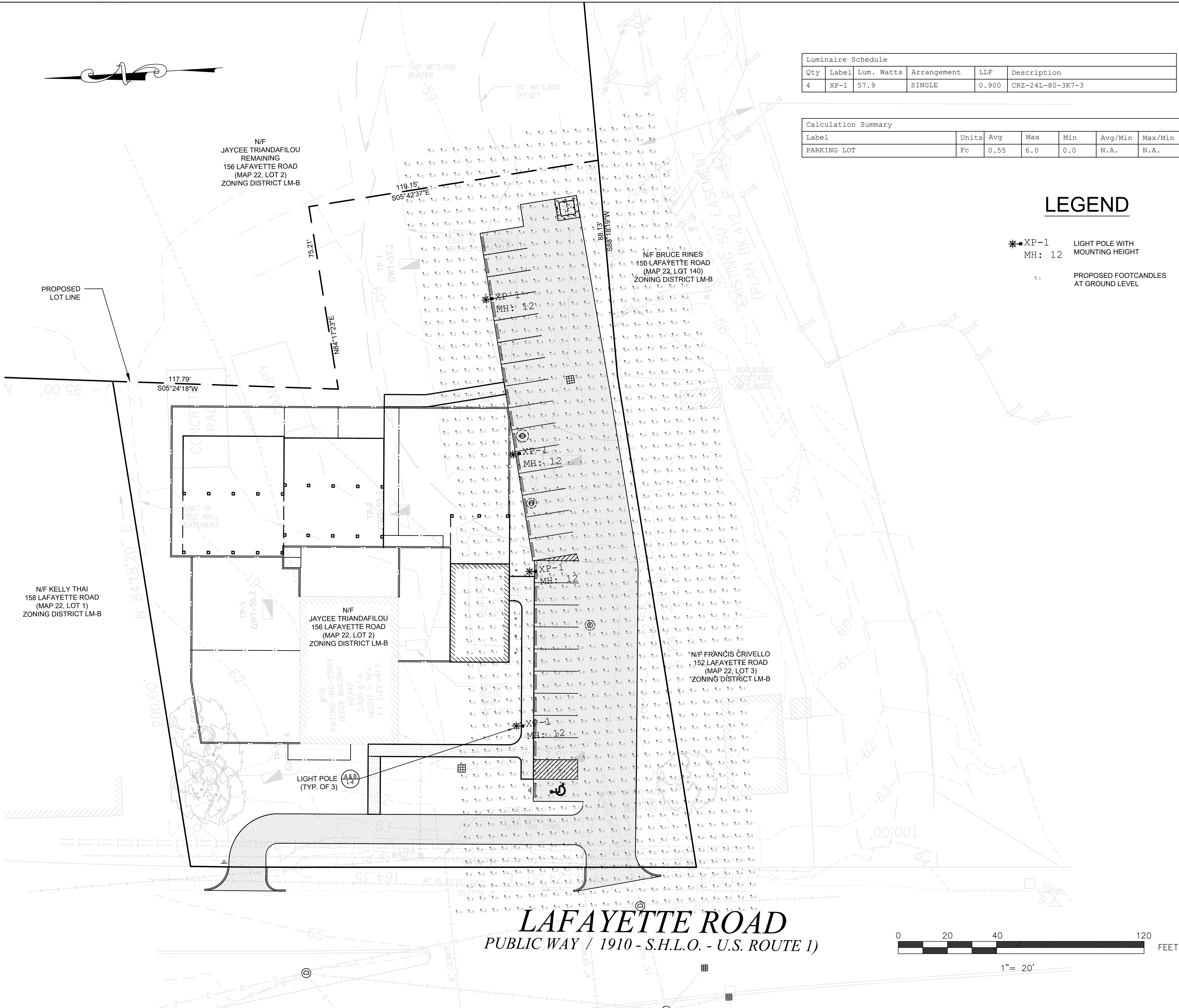


NOTES:

1. CONTRACTOR TO FURNISH AND INSTALL ALL CONDUIT, WIRING, AND ELECTRICAL WORK NECESSARY FOR INSTALLATION OF LIGHT POLES. COORDINATE WITH OWNER & ENGINEER.

B LIGHT POLE BASE

SCALE: N.T.S.

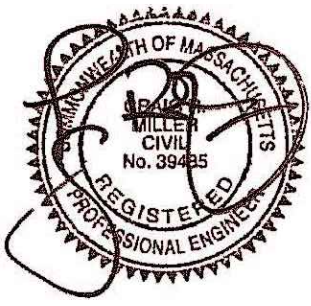


Luminaire Schedule					
Qty	Label	Lum. Watts	Arrangement	LLF	Description
4	XP-1	57.9	SINGLE	0.900	CRZ-24L-80-3K7-3

Calculation Summary						
Label	Units	Avg	Max	Min	Avg/Min	Max/Min
PARKING LOT	Fc	0.55	6.0	0.0	N.A.	N.A.

LEGEND

- ✱ XP-1 LIGHT POLE WITH
MH: 12 MOUNTING HEIGHT
- PROPOSED FOOTCANDLES
AT GROUND LEVEL



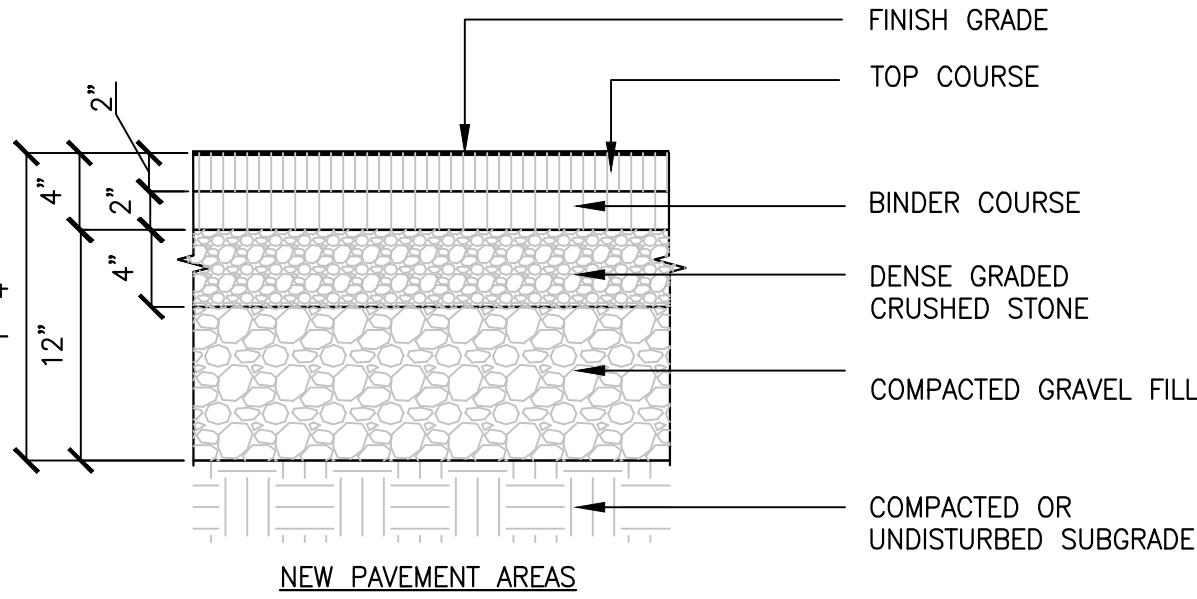
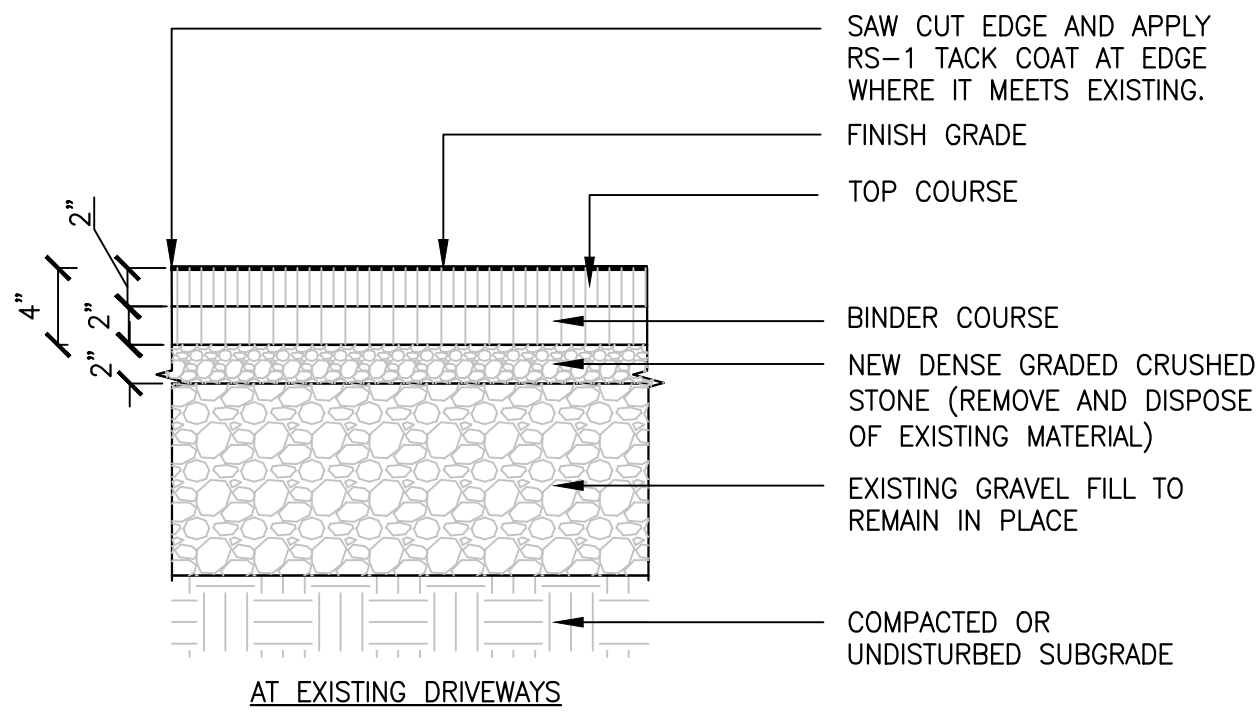
DESIGN BY:	DRAWING TITLE: LIGHTING			
DRAWN BY: JRM	REV		DATE	BY
CHECK BY: CRM				

CLIENT:	Seacoast Canine 5a Fanaras Drive Salisbury, MA 01952
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PROJECT TITLE:	156 LAFAYETTE ROAD SALISBURY, MASSACHUSETTS
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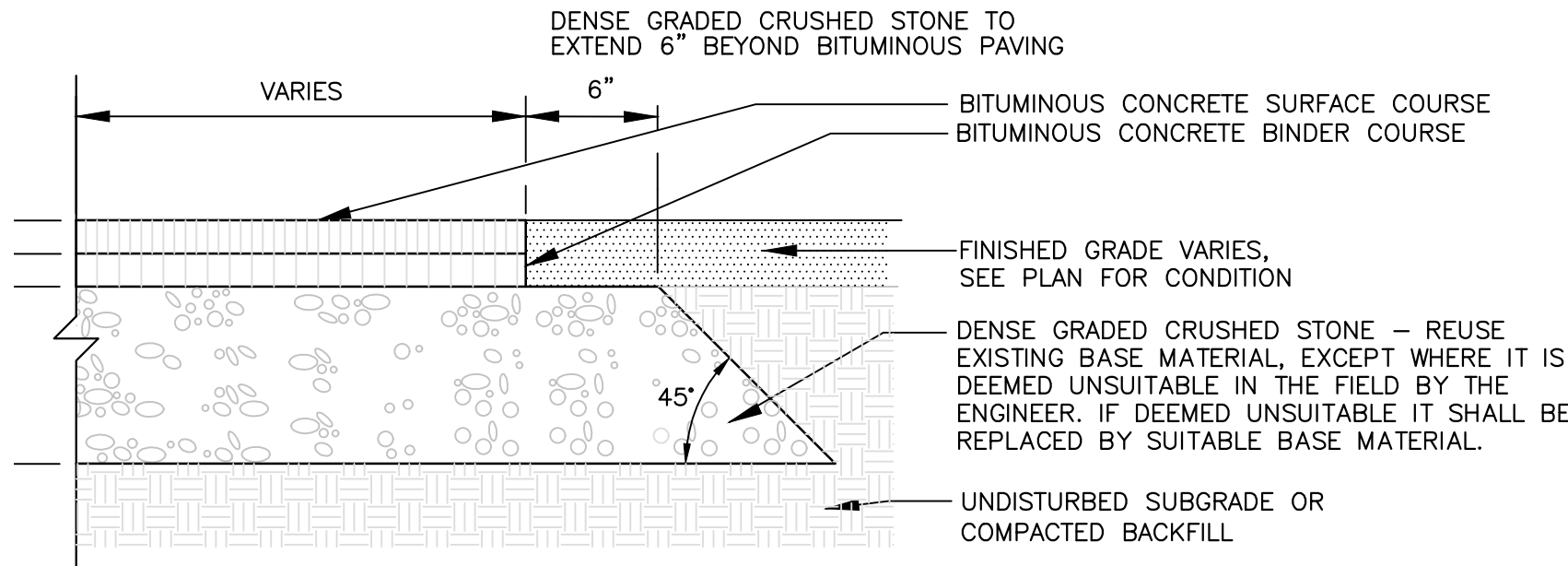
WDG Waterfield Design Group
50 Cross Street Winchester, Massachusetts 01890 T 781.756.0001 F 781.756.0007

SCALE: 1" = 20'	C-5
DATE: 2-15-2022	
FILENAME: W-1686	
	DRAWING NUMBER:
	SHEET 7 OF 10



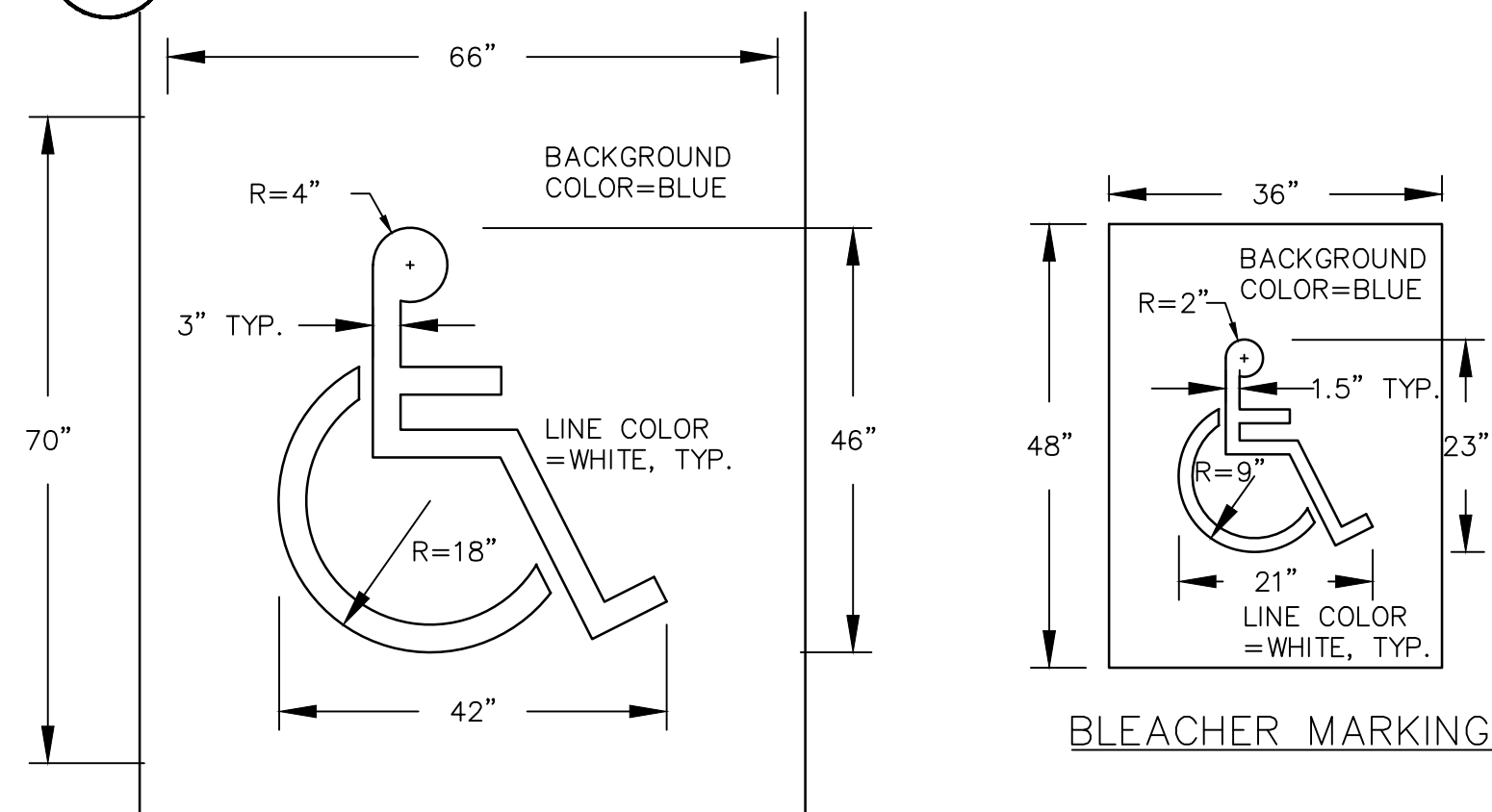
A BITUMINOUS CONCRETE DRIVEWAY PAVEMENT

SCALE: N.T.S.



B BITUMINOUS CONCRETE WALKWAY PAVEMENT

SCALE: N.T.S.



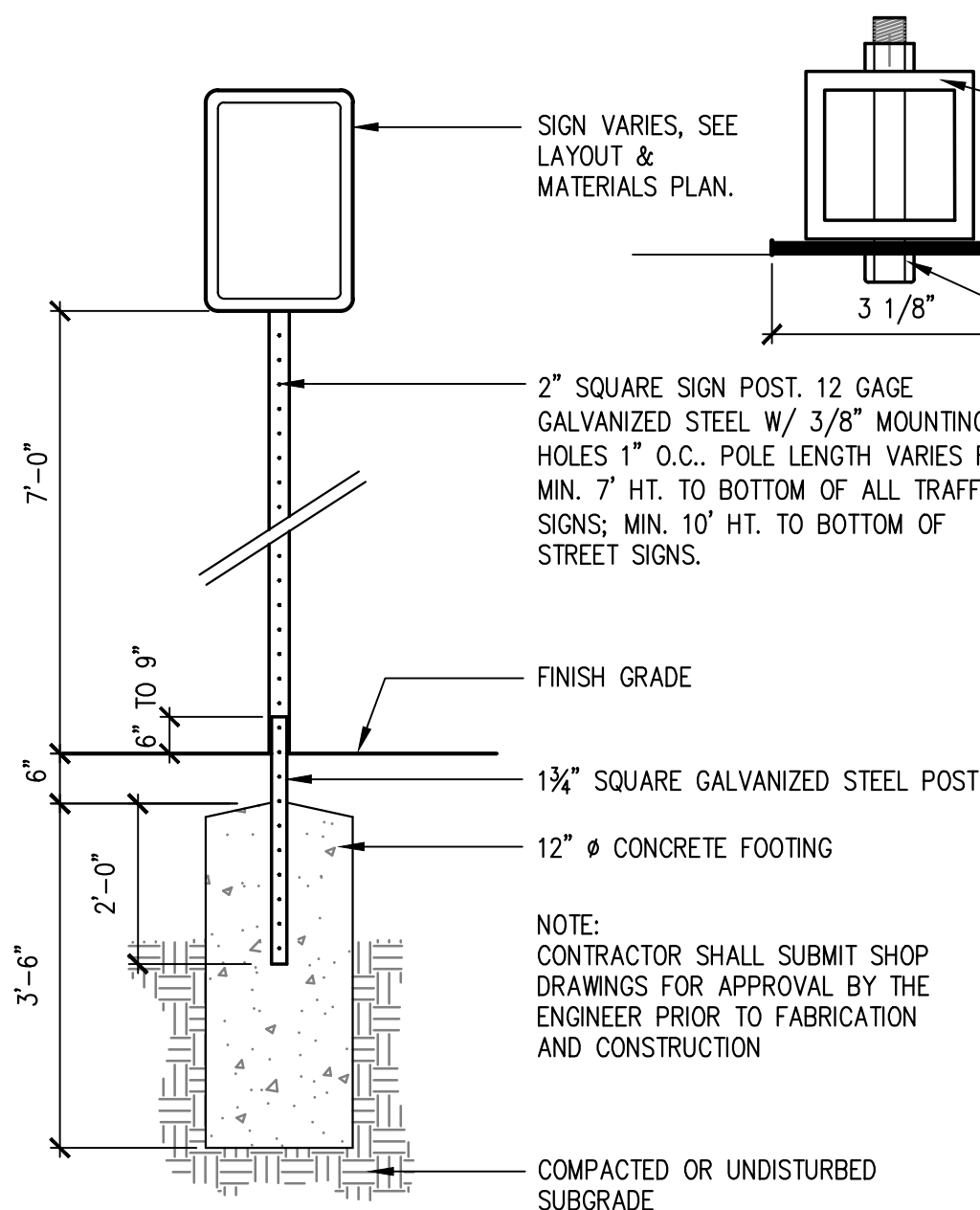
C HANDICAP PARKING SPACE MARKING

SCALE: N.T.S.

IDENTIFICATION NUMBER	SIZE OF SIGN		TEXT	NUMBER OF SIGNS REQUIRED	COLOR OF SIGNS		
	WIDTH	HEIGHT			BACKGROUND	LEGEND	BORDER
R7-8	12"	18"		1	SEE 2009 MUTCD		
R7-8A	12"	6"		1			
R5-1	18"	18"		1			

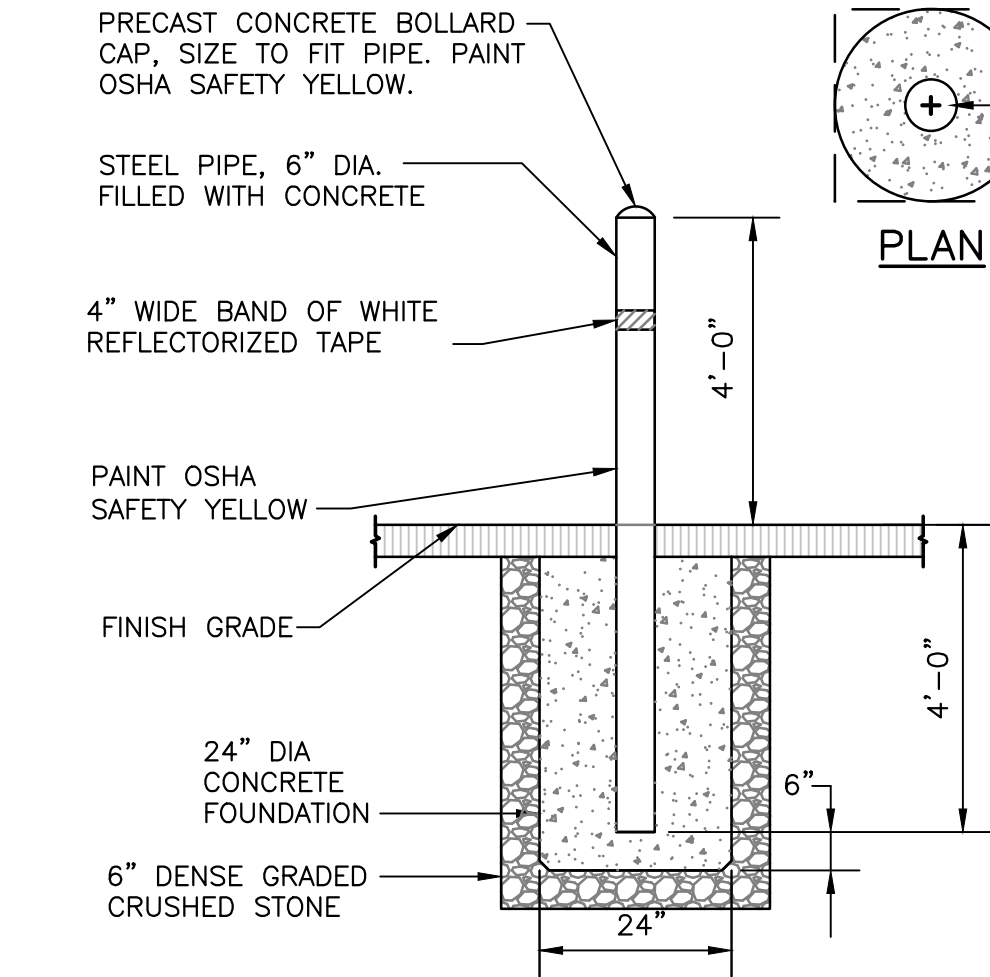
D SIGN SCHEDULE

SCALE: N.T.S.



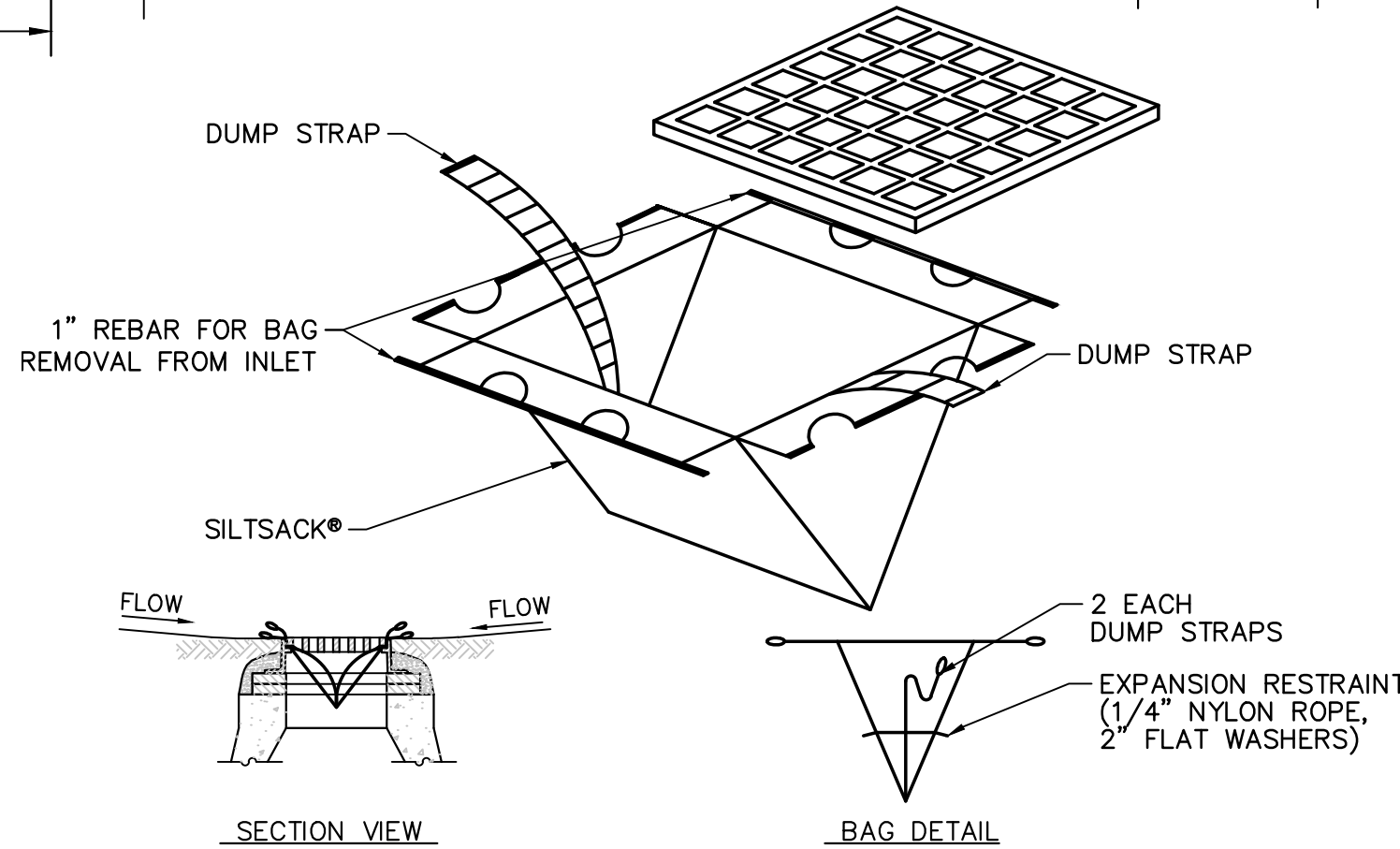
G SIGN POST

SCALE: N.T.S.



E STEEL BOLLARDS

SCALE: N.T.S.

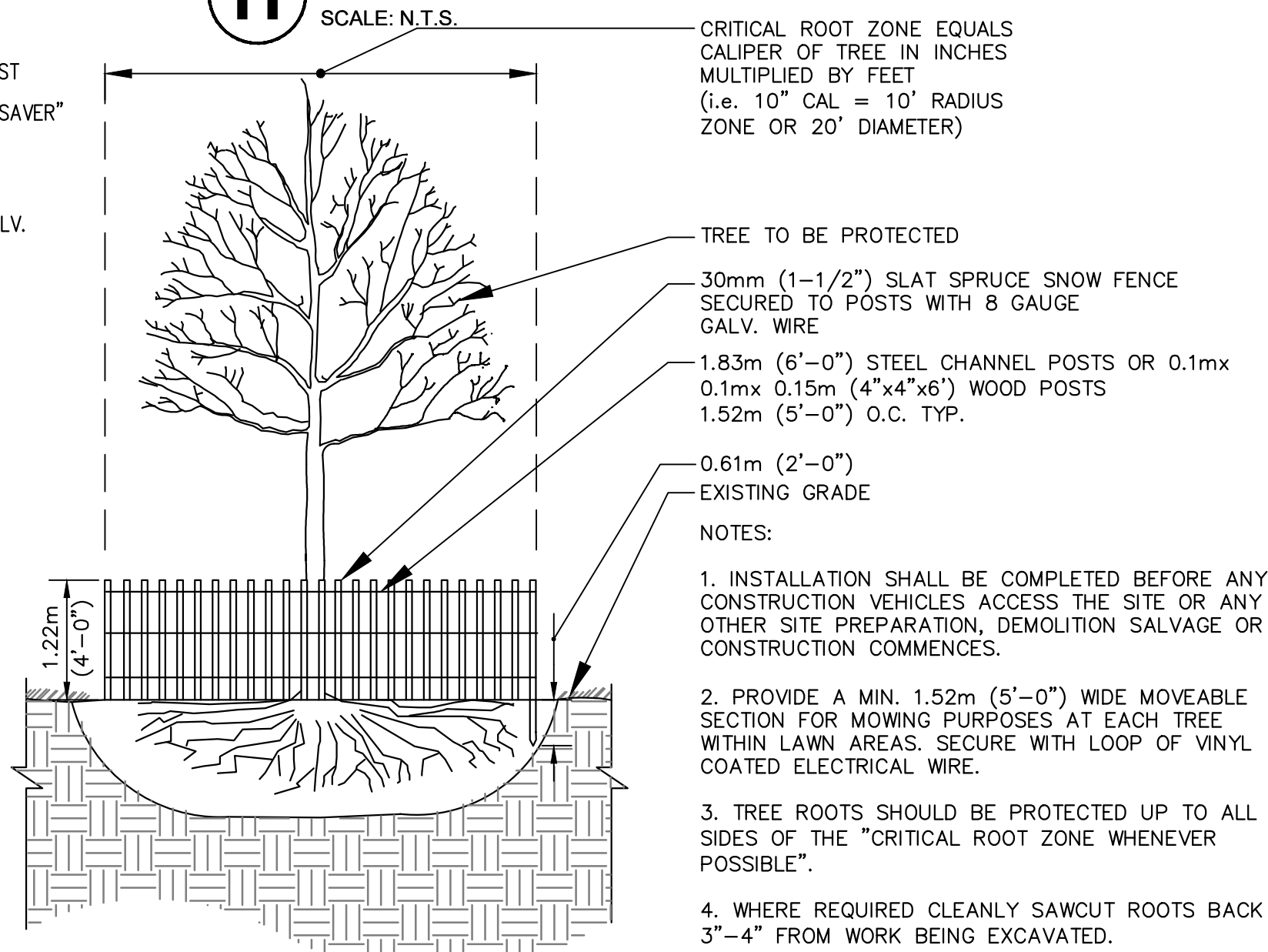


NOTES:

- SILTSACK® SHALL BE MANUFACTURED FROM A SPECIALLY DESIGNED WOVEN POLYPROPYLENE GEOTEXTILE AND SEWN BY A DOUBLE NEEDLE MACHINE, USING HIGH STRENGTH NYLON THREAD.
- SILTSACK® WILL BE MANUFACTURED TO FIT THE OPENING OF THE CATCH BASIN DROP INLET. SILTSACK® SHALL HAVE THE FOLLOWING FEATURES: TWO DUMP STRAPS ATTACHED AT THE BOTTOM TO FACILITATE THE EMPTYING OF SILTSACK®, SILTSACK® SHALL HAVE LIFTING LOOPS AS AN INTEGRAL PART OF THE SYSTEM TO BE USED TO LIFT SILTSACK® FROM THE BASIN; SILTSACK® SHALL HAVE A RESTRAINT CORD APPROXIMATELY HALFWAY UP THE SACK TO KEEP THE SIDES AWAY FROM THE CATCH BASIN WALLS. THIS YELLOW CORD IS A VISUAL MEANS OF INDICATING WHEN THE SACK SHOULD BE EMPTIED. ONCE THE STRAP IS COVERED WITH SEDIMENT, SILTSACK® SHOULD BE EMPTIED, CLEANED AND PLACED BACK INTO THE BASIN.
- USE SILT SACK® BY ACF ENVIRONMENTAL, MUTUAL INDUSTRIES, INC., BMP SUPPLIES, OR APPROVED EQUAL, AT ALL CATCH BASINS RECEIVING RUNOFF FROM CONSTRUCTION AREAS.
- WEEKLY REVIEW CATCH BASINS & CLEAN AS REQUIRED.

H SILT SACK

SCALE: N.T.S.

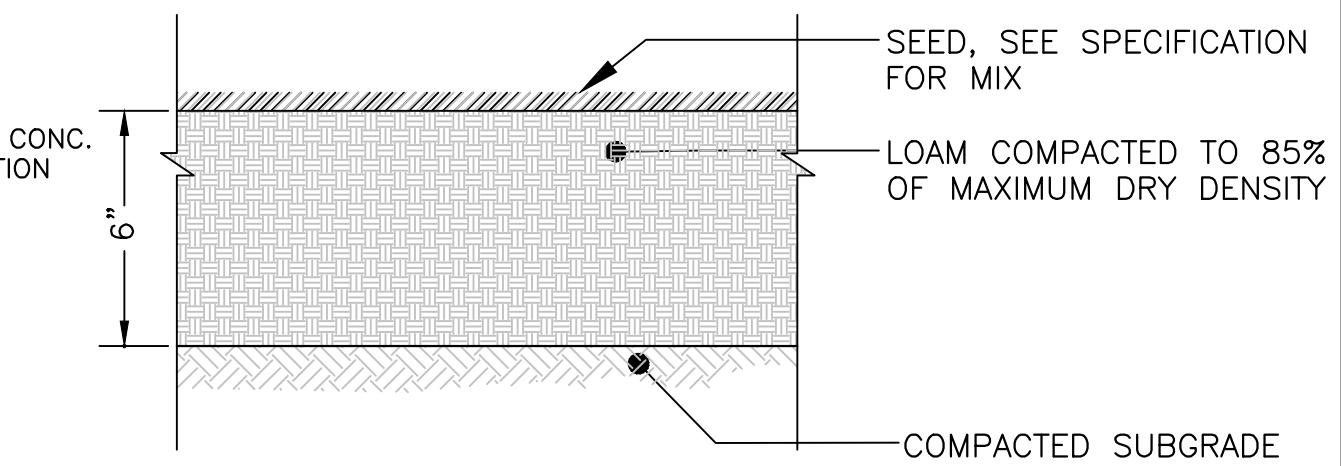


NOTES:

- INSTALLATION SHALL BE COMPLETED BEFORE ANY CONSTRUCTION VEHICLES ACCESS THE SITE OR ANY OTHER SITE PREPARATION, DEMOLITION SALVAGE OR CONSTRUCTION COMMENCES.
- PROVIDE A MIN. 1.52m (5'-0 inch) WIDE MOVEABLE SECTION FOR MOWING PURPOSES AT EACH TREE WITHIN LAWN AREAS. SECURE WITH LOOP OF VINYL COATED ELECTRICAL WIRE.
- TREE ROOTS SHOULD BE PROTECTED UP TO ALL SIDES OF THE "CRITICAL ROOT ZONE WHENEVER POSSIBLE".
- WHERE REQUIRED CLEANLY SAWCUT ROOTS BACK 3"-4" FROM WORK BEING EXCAVATED.
- ALL EXISTING TREES WITHIN LIMIT OF WORK ARE TO BE ROOT FED PRIOR TO COMPLETION OF WORK WITH DEEP ROOT INJECTION OF SLOW RELEASE BALANCED BLEND 7-7-7 FERTILIZER.

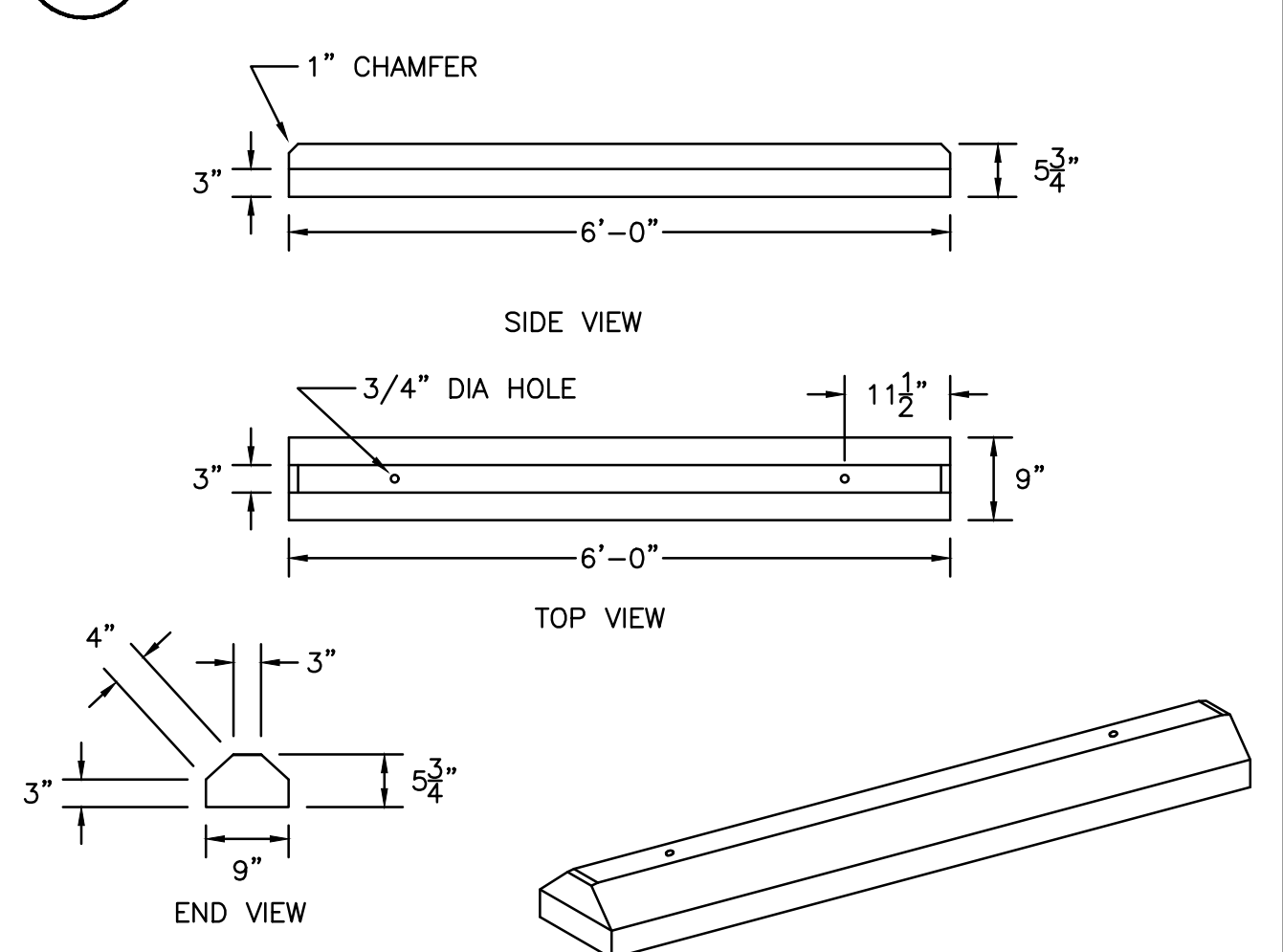
I TREE PROTECTION

SCALE: N.T.S.



J LOAM AND SEED

SCALE: N.T.S.

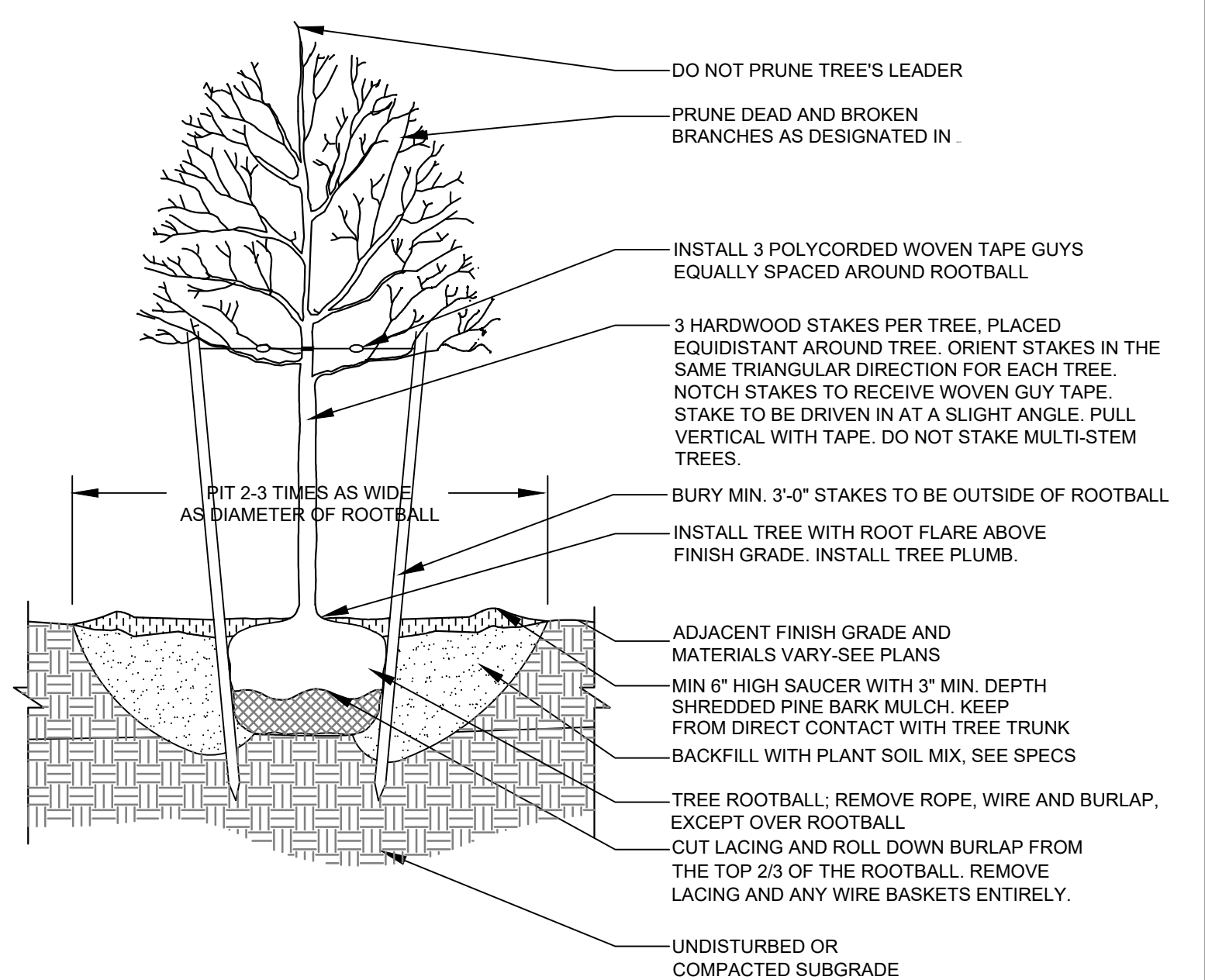


NOTES:

- CONCRETE: 4,000 PSI MINIMUM AFTER 28 DAYS
- 1/2" DIAMETER REBAR 18" LONG PINS SHALL BE DRIVEN INTO THE 3/4" HOLES.
- WEIGHT: 270 LBS
- CONTRACTOR SHALL REUSE EXISTING CONCRETE CURB STOPS UPON APPROVAL OF ENGINEER. CONTRACTOR SHALL PAINT CONCRETE CURB STOPS OSHA SAFETY YELLOW PRIOR TO REUSE.

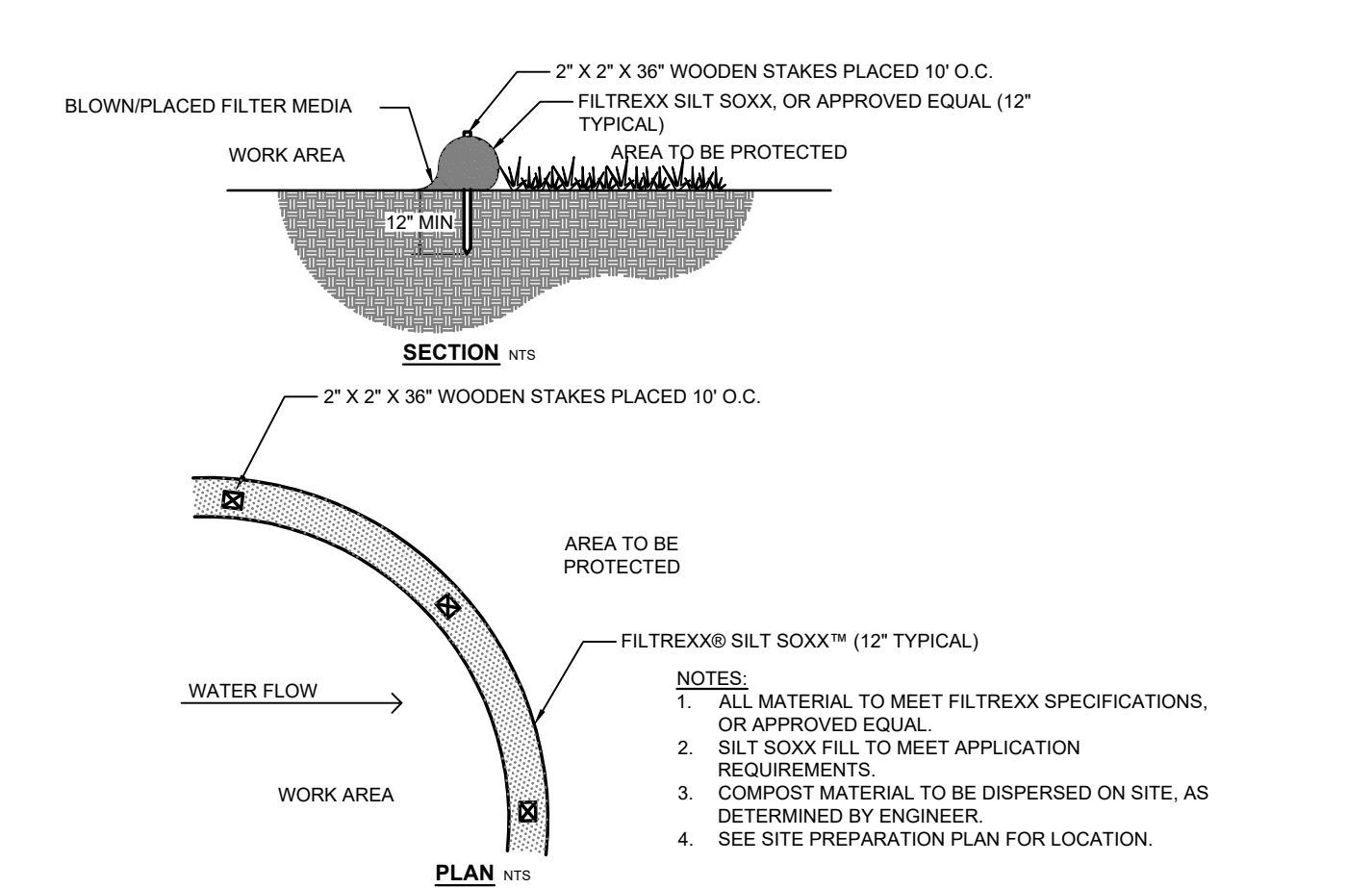
L CONCRETE CURB STOPS

SCALE: N.T.S.

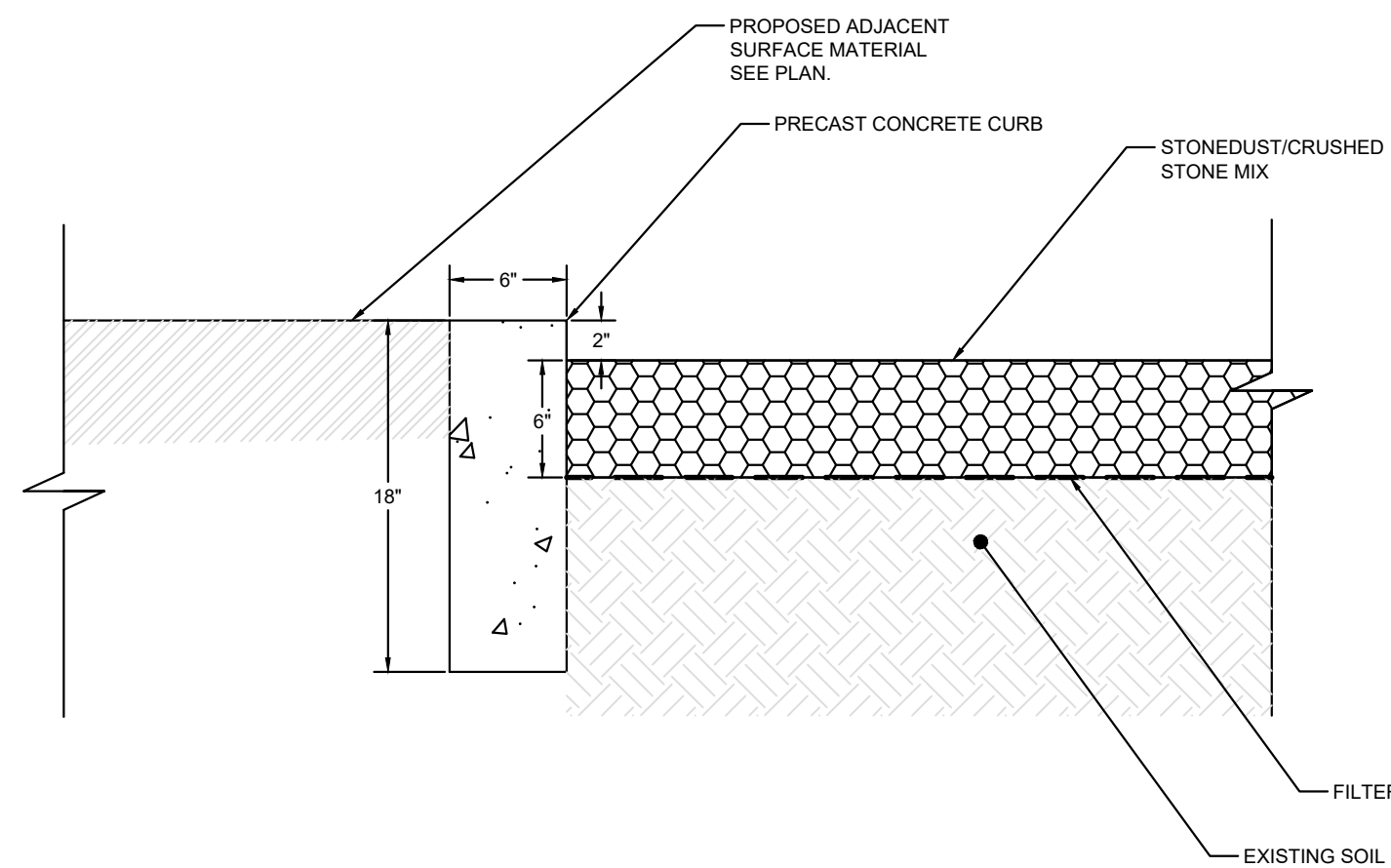


M DECIDUOUS TREE PLANTING

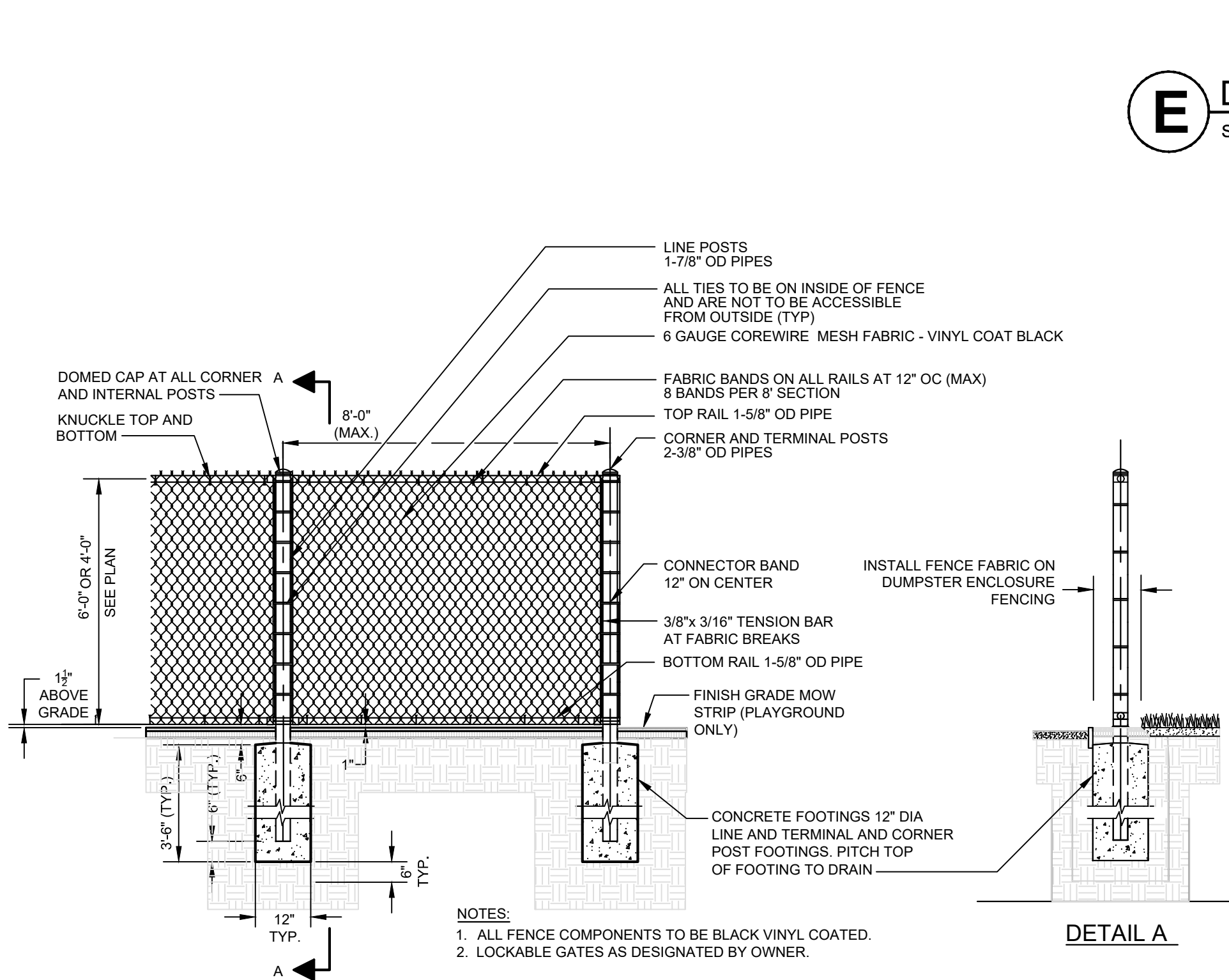
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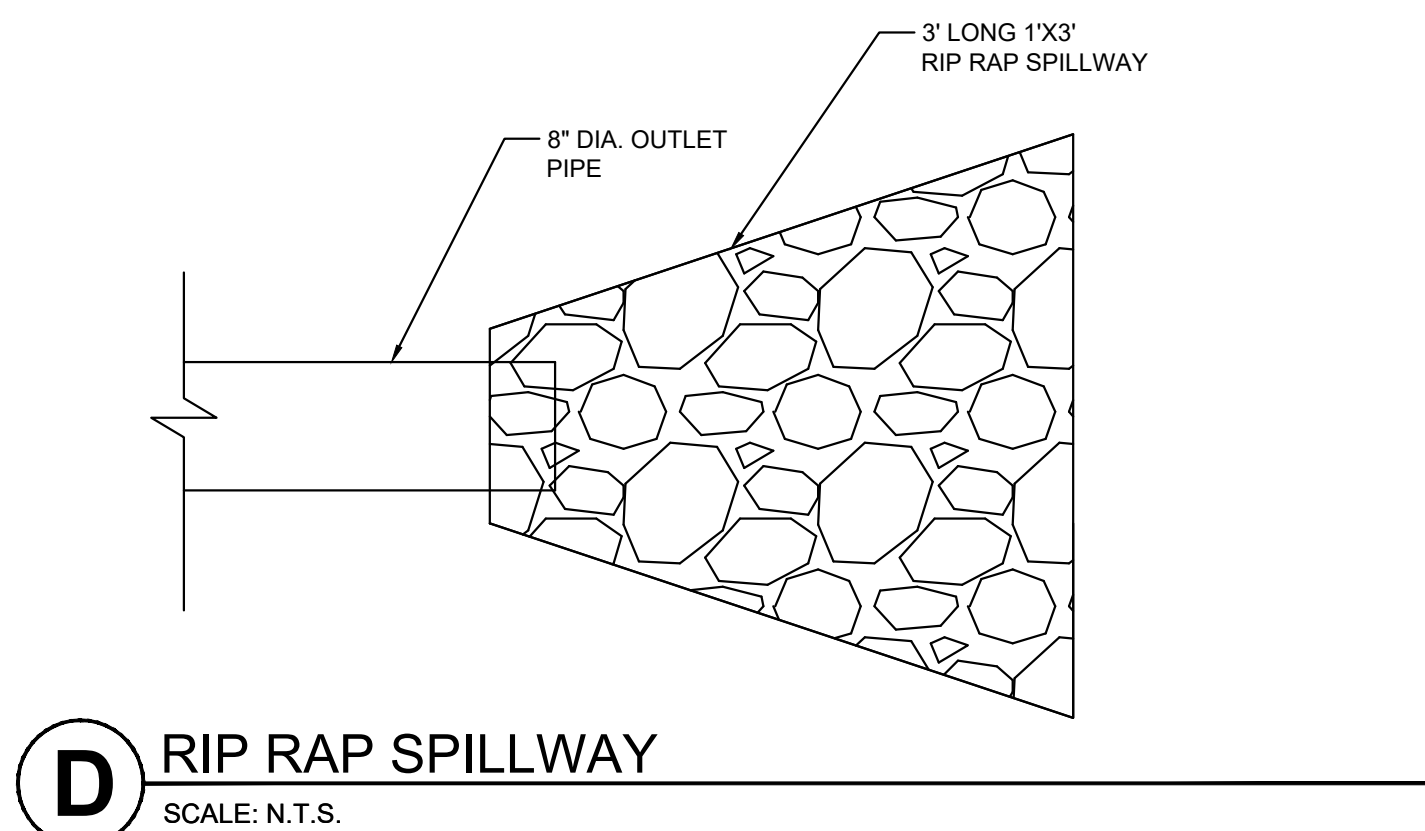
A SILT SOCK
SCALE: N.T.S.



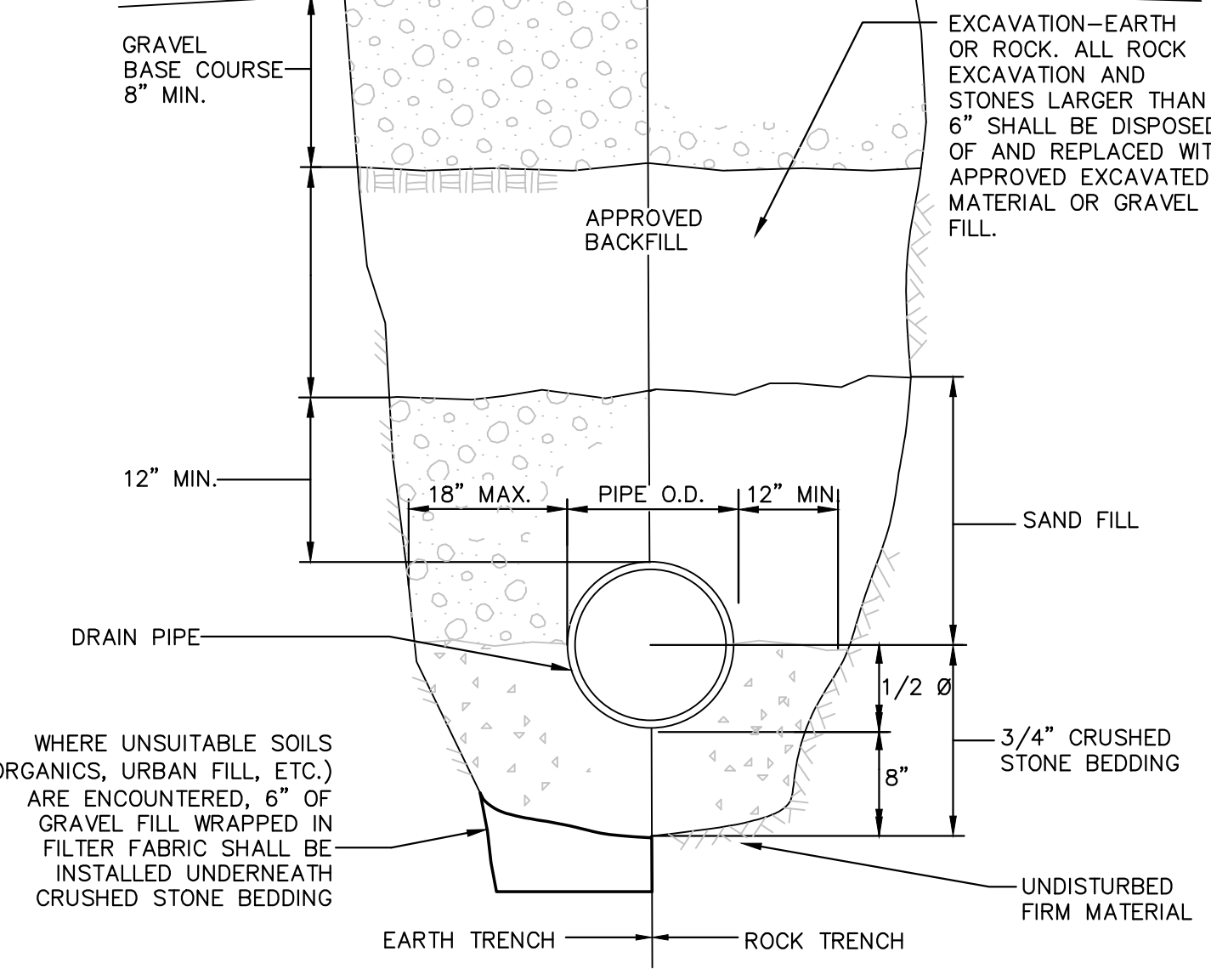
B STONEDUST/CRUSHED STONE PLAYAREA WITH CURB
SCALE: N.T.S.



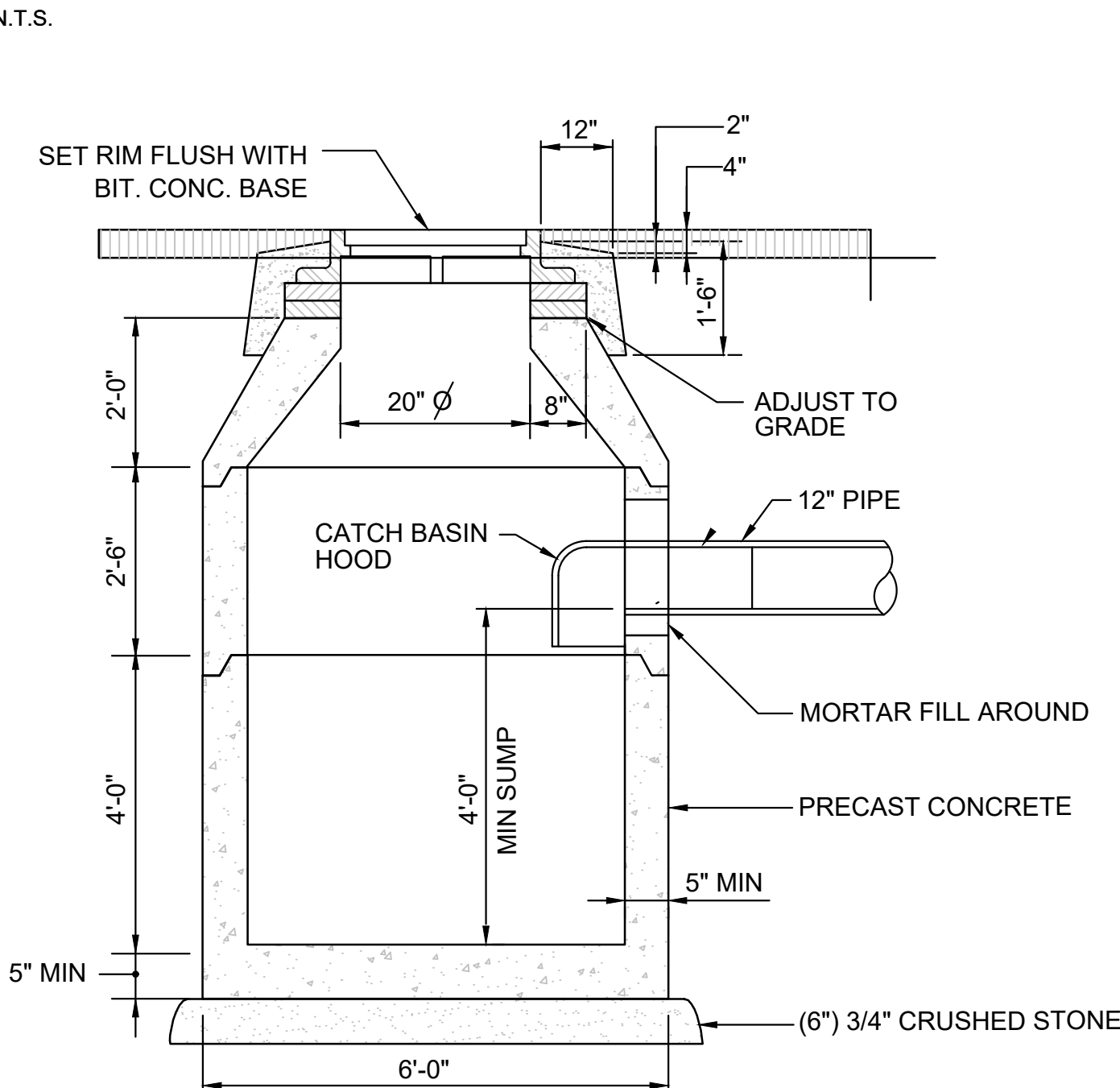
C 6' HIGH CHAINLINK FENCE
SCALE: N.T.S.



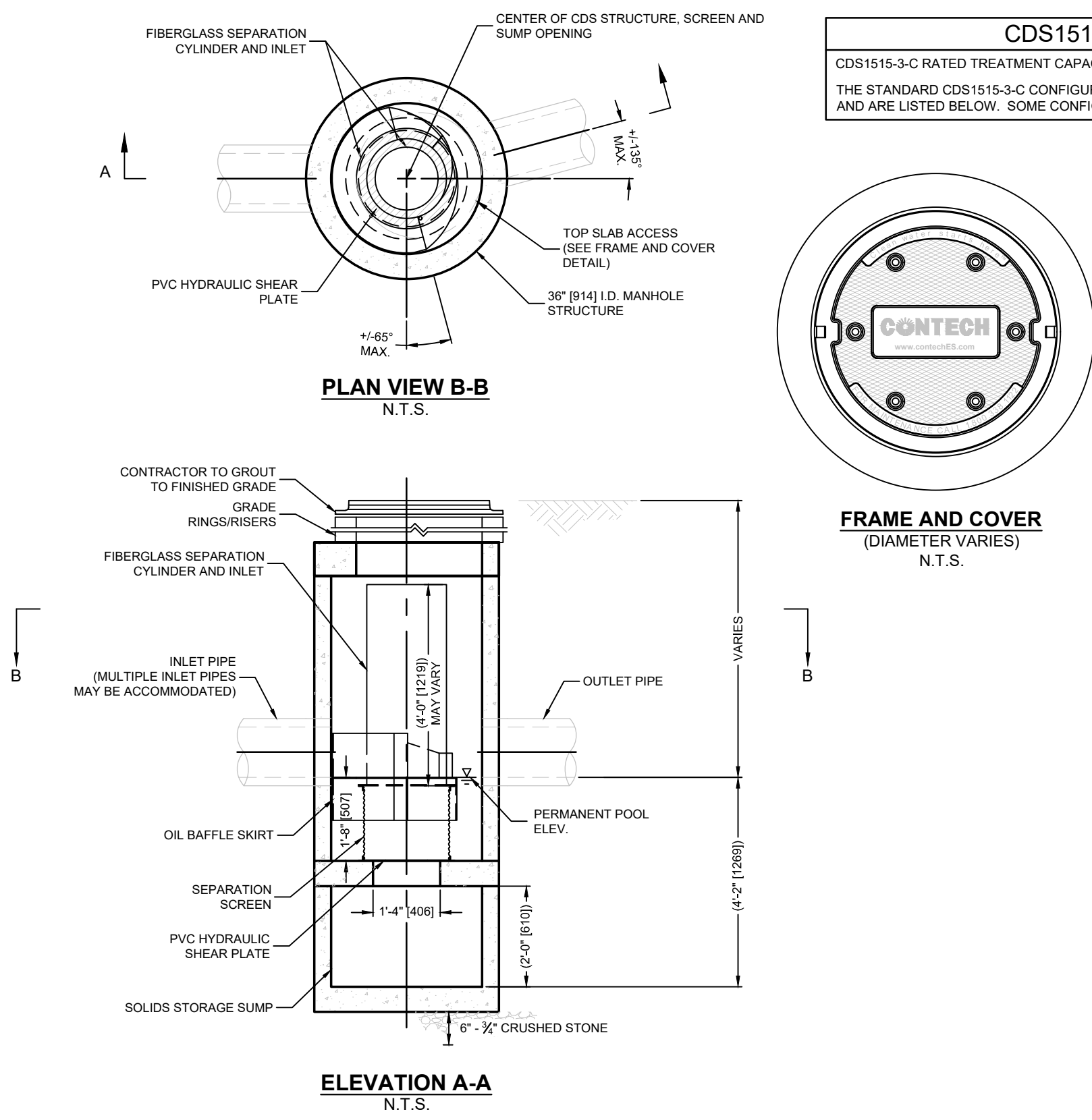
D RIP RAP SPILLWAY
SCALE: N.T.S.



E DRAINAGE TRENCH
SCALE: N.T.S.



F CATCH BASIN
SCALE: N.T.S.



G PROPRIETARY SEPARATOR - CDS-1515-3
SCALE: N.T.S.

FLAT TOP		
	ITEM NO	WEIGHT
1 HOLE	MH4-FT4ID	1,620#
2 HOLE	MH4-FT4ID2H	930#

ECCENTRIC CONE		
HEIGHT	ITEM NO	WEIGHT
1'-6"	MH4-18C4ID	1,335#
2'-0"	MH4-24C4ID	1,783#
2'-6"	MH4-30C4ID	2,231#
3'-0"	MH4-36C4ID	2,677#
4'-0"	MH4-60C4ID	3,425#

RISER SECTION		
HEIGHT	ITEM NO	WEIGHT
1'-0"	MH4-12CS4ID	856#
2'-0"	MH4-24CS4ID	1,712#
2'-6"	MH4-30CS4ID	2,140#
3'-0"	MH4-36CS4ID	2,568#
4'-0"	MH4-48CS4ID	3,424#
5'-0"	MH4-60CS4ID	4,280#

BASE SECTION		
HEIGHT	ITEM NO	WEIGHT
2'-0"	MH4-24S4ID	2,640#
2'-6"	MH4-30S4ID	3,067#
3'-0"	MH4-36S4ID	3,495#
3'-6"	MH4-42S4ID	3,922#
4'-0"	MH4-48S4ID	4,350#
4'-6"	MH4-54S4ID	4,777#
5'-0"	MH4-60S4ID	5,205#
5'-6"	MH4-66S4ID	5,633#
6'-0"	MH4-72S4ID	6,060#

- NOTES:
- CONCRETE: 4,000 PSI MINIMUM AFTER 28 DAYS.
 - REINFORCED STEEL CONFORMS TO LATEST ASTM A185 SPEC, 0.12 SQ. IN./LINEAL FT. AND 0.12 SQ. IN. (BOTH WAYS) BASE BOTTOM.
 - H-20 DESIGN LOADING PER AASHTO HS-20-44; ASTM C478 SPEC FOR "PRECAST REINFORCED CONCRETE MANHOLE SECTIONS."
 - BUTYL RESIN SECTION JOINT CONFORMS TO LATEST ASTM C990 SPEC.
 - STEEL REINFORCED COPOLYMER POLYPROPYLENE PLASTIC STEP CONFORMS TO LATEST ASTM C478 SPEC.
 - FOR SHALLOW PIPES CONTRACTOR SHALL USE FLAT TOP SLAB AND HAVE STRUCTURE CAST WITH OPENING FOR THE PIPE AT THE TOP OF THE FORM FOR THE STRUCTURE. PLACE FRAME AND COVER DIRECTLY ON FLAT TOP.
 - MANHOLE SHALL BE PLACED ON A MINIMUM OF 6" OF COMPACTED 3/4" CRUSHED STONE.

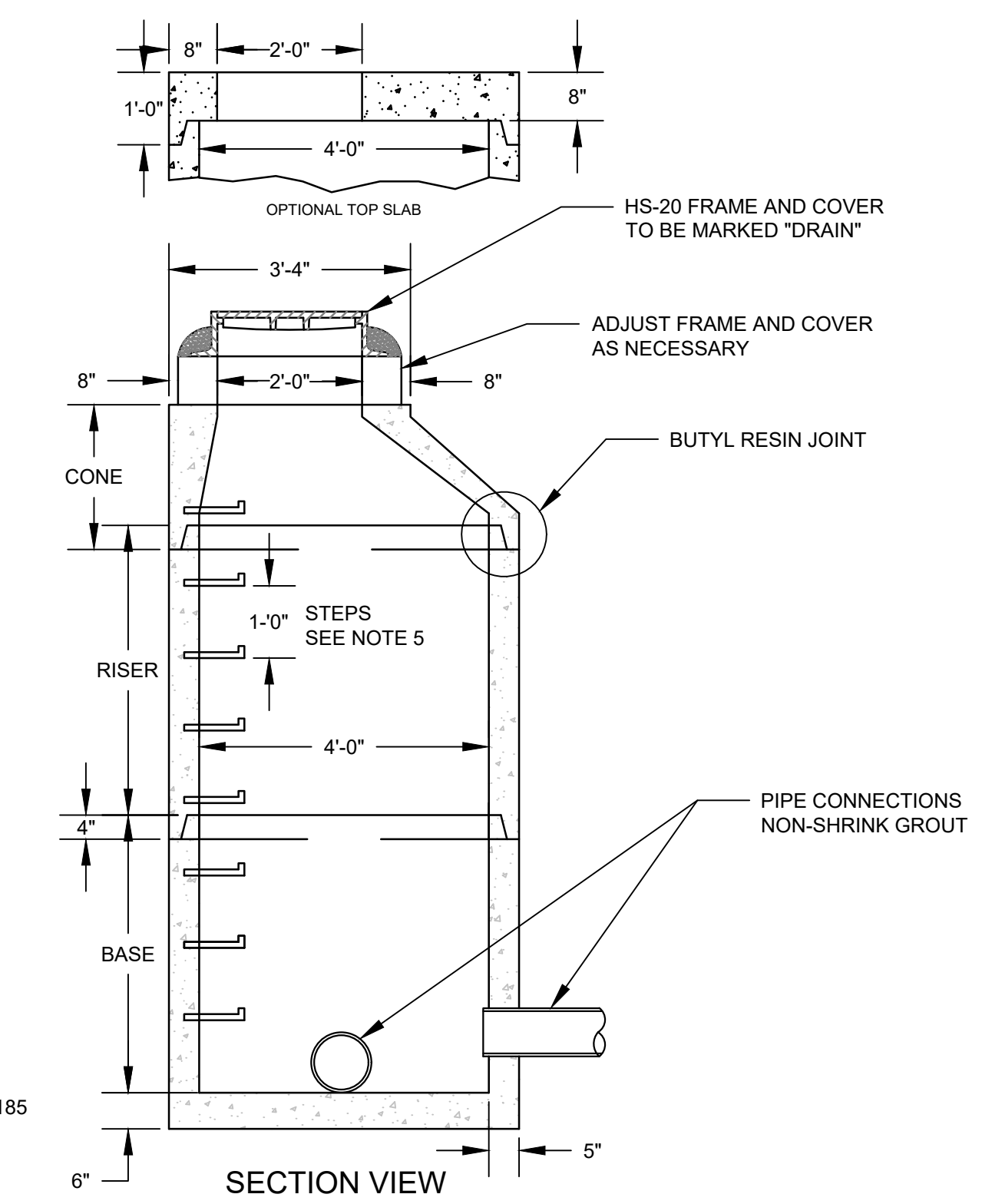
H DRAIN MANHOLE
SCALE: N.T.S.

CDS1515-3-C DESIGN NOTES

CDS1515-3-C RATED TREATMENT CAPACITY IS 1.4 CFS, OR PER LOCAL REGULATIONS. THE STANDARD CDS1515-3-C CONFIGURATION IS SHOWN. ALTERNATE CONFIGURATIONS ARE AVAILABLE AND ARE LISTED BELOW. SOME CONFIGURATIONS MAY BE COMBINED TO SUIT SITE REQUIREMENTS.

- GENERAL NOTES
- CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
 - FOR SITE SPECIFIC DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHT, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE: www.contechES.com
 - CDS WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING. CONTRACTOR TO CONFIRM STRUCTURE MEETS REQUIREMENTS OF PROJECT.
 - STRUCTURE SHALL MEET AASHTO HS20 LOAD RATING, ASSUMING EARTH COVER OF 0' - 2'. AND GROUNDWATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION. CASTINGS SHALL MEET AASHTO M306 AND BE CAST WITH THE CONTECH LOGO.
 - IF REQUIRED, PVC HYDRAULIC SHEAR PLATE IS PLACED ON SHELF AT BOTTOM OF SCREEN CYLINDER. REMOVE AND REPLACE AS NECESSARY DURING MAINTENANCE CLEANING.
 - CDS STRUCTURE SHALL BE PRECAST CONCRETE CONFORMING TO ASTM C-478 AND AASHTO LOAD FACTOR DESIGN METHOD.

- INSTALLATION NOTES
- ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC. DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
 - CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE CDS MANHOLE STRUCTURE.
 - CONTRACTOR TO INSTALL JOINT SEALANT BETWEEN ALL STRUCTURE SECTIONS AND ASSEMBLE STRUCTURE.
 - CONTRACTOR TO PROVIDE, INSTALL, AND GROUT INLET AND OUTLET PIPES(S). MATCH PIPE INVERTS WITH ELEVATIONS SHOWN. ALL PIPE CENTERLINES TO MATCH PIPE OPENING CENTERLINES.
 - CONTRACTOR TO TAKE APPROPRIATE MEASURES TO ASSURE UNIT IS WATER TIGHT, HOLDING WATER TO FLOWLINE INVERT MINIMUM. IT IS SUGGESTED THAT ALL JOINTS BELOW PIPE INVERTS ARE GROUTED.





1. FOR MANHOLE CONSTRUCTION DETAILS SEE
TYPICAL DRAIN MANHOLE DETAIL. MANHOLE TO BE
CONSTRUCTED FOR AASHTO HS-20-44 LOADING.



CLIENT:

Seacoast Canine
5a Fanaras Drive
Salisbury, MA 01952

WDG | Waterfield Design Group
50 Cross Street | Winchester, Massachusetts | 01890
T 781.756.0001 F 781.756.0007

SCALE: AS NOTED	DRAWING NUMBER: D-3
DATE: 2-15-2022	D-3
FILENAME: W-1686	
	SHEET NO. 10