

# SITE DEVELOPMENT PLAN

PREPARED FOR  
**SUNFOX CAMPGROUND, LLC**  
 15 KENYON ROAD  
 LISBON, CONNECTICUT  
 NOVEMBER 20, 2020  
 REVISED DECEMBER 7, 2021

CIVIL DRAWING INDEX	
SHEET NUMBER	SHEET TITLE
1	COVER SHEET
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3	EXISTING CONDITIONS 2 OF 2
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10	EROSION AND SEDIMENTATION CONTROL DETAILS
11	EROSION AND SEDIMENTATION CONTROL NARRATIVE & NOTES
12	IMPACT ESTIMATES

PROPERTY OWNER: SUNFOX CAMPGROUND, LLC  
 15 KENYON ROAD  
 LISBON, CONNECTICUT 06351

APPLICANT: SUNFOX CAMPGROUND, LLC  
 15 KENYON ROAD  
 LISBON, CONNECTICUT 0635

ZONING DISTRICT: R-60

EXISTING USE: CAMPGROUND

PROPOSED USES: CAMPGROUND



PROPERTIES WITHIN 500'	
ADDRESS	OWNER
0 KENYON RD	JEWETT CITY WATER COMPANY
3 KENYON ROAD	WELDON E FRENCH
5 KENYON ROAD	SUNFOX CAMPGROUND LLC
9 KENYON ROAD	HECTOR N MARIEN
10 KENYON RD	PETER G PISOWLOSKI
13 KENYON RD	CHRISTINE BRANCO HEALY
19 KENYON ROAD	JEFFREY T RECK
20 KENYON ROAD	JOHN PAUL & DAWN COUGHLIN
22 KENYON ROAD	SUNFOX CAMPGROUND LLC
23 KENYON ROAD	ROBERT RICHMAN
20 STRNAD ROAD	JEFFREY T BUCKRIDGE
21 STRNAD ROAD	DAVID L SCOTT
24 STRNAD ROAD	MICHAEL P THOMAS
25 STRNAD ROAD	PAMELA COTE
26 STRNAD ROAD	MICHAEL F HYDE
27 STRNAD ROAD	DANIELLE BERRIOS
29 STRNAD ROAD	MAHLON D CURRIER Jr.
30 STRNAD ROAD	AMANDA CARON
31 STRNAD ROAD	TIMOTHY R PHILBRICK
32 STRNAD ROAD	KENNETH A LU WOHLLEBEN, BRIAN K WOHLLEBEN, & WENDY A SNAY
33 STRNAD ROAD	DAWN A COMBES
117 SOUTH BURNHAM HIGHWAY	STILLY'S HOLDINGS LLC
125 SOUTH BURNHAM HIGHWAY	ENRICO & SUSAN COVNO
129 SOUTH BURNHAM HIGHWAY	ENRICO & SUSAN S COVNO
143 SOUTH BURNHAM HIGHWAY	PERFECT PROPERTY LLC
174 SOUTH BURNHAM HIGHWAY	RICHARD M CZIKOWSKY
215 SOUTH BURNHAM HIGHWAY	RICHARD ALLEN STRNAD
29 KENDALL ROAD	WILLIAM C SURFUS
37 KENDALL ROAD	DONNA M & STEPHEN E JOHN
49 KENDALL ROAD	SALLY A KNOLHOFF
55 KENDALL ROAD	ROBERT L LACHAPELLE
77 KENDALL ROAD	SUNFOX CAMPGROUND LLC
78 KENDALL ROAD	TOWN OF LISBON
72 PRESTON ALLEN ROAD	MACY L MERRY & CAITLIN E MONTELLA
84 PRESTON ALLEN ROAD	ROBERT T BROWN
86 PRESTON ALLEN ROAD	MICHAEL W ROLFE
90 PRESTON ALLEN ROAD	CHRISTINE KNOGHT
94 PRESTON ALLEN ROAD	SHARON K LU GLEASON
128 PRESTON ALLEN ROAD	SANDRA L EDMOND
144 PRESTON ALLEN ROAD	GARY MOLOCHKO
23 MELL ROAD	JOHN F ALGERIE

APPROVED BY THE LISBON  
 PLANNING & ZONING COMMISSION

APPLICATION: \_\_\_\_\_

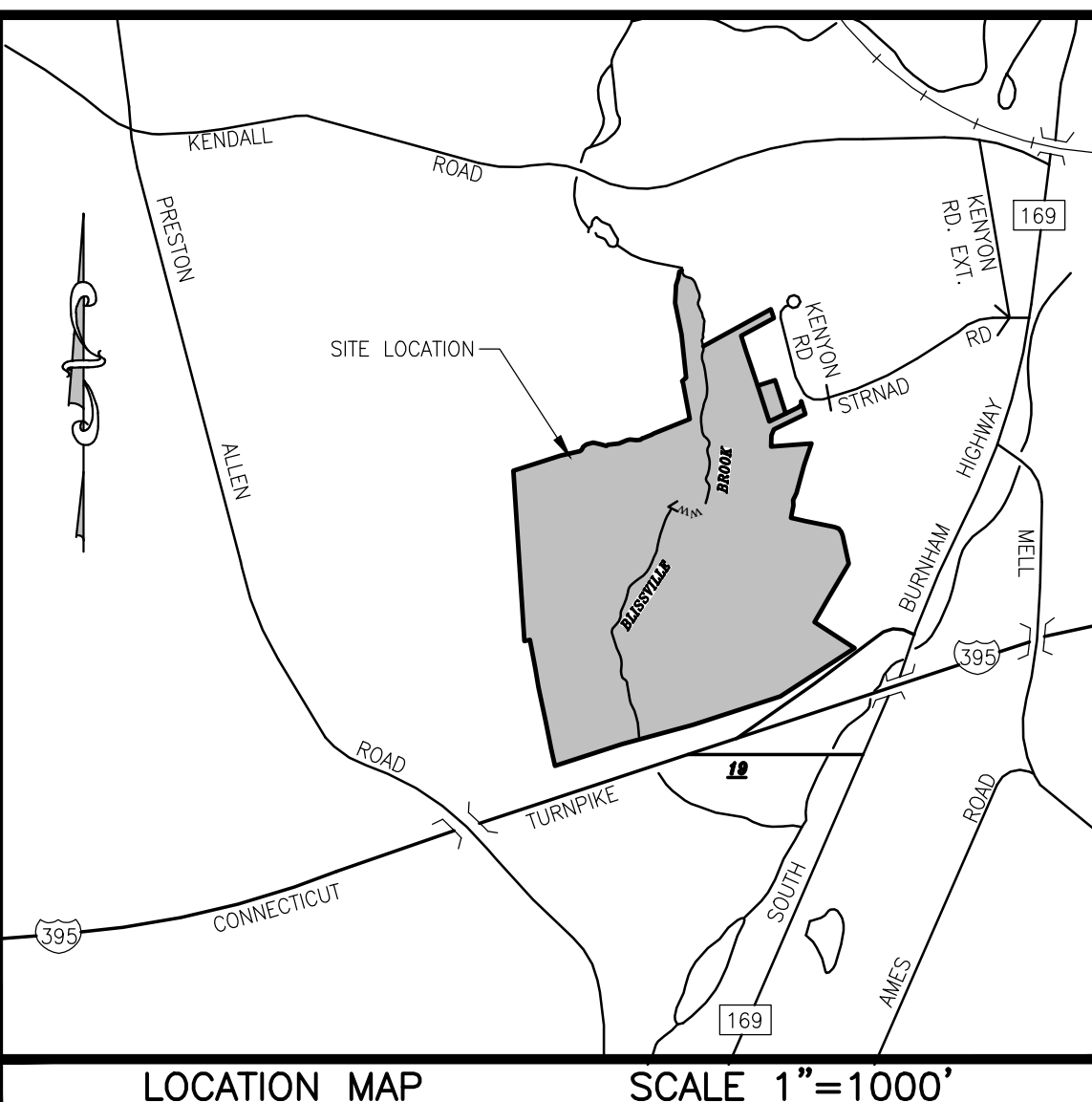
APPROVED ON: \_\_\_\_\_

CHAIRMAN OR SECRETARY SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_



**LEGEND**

PROPERTY LINE	---
ABUTTERS LINE	----
EDGE OF PAVEMENT	-----
EDGE OF GRAVEL	- - - - -
EXISTING CONTOUR	.....
STONE WALL	=====
LIMITS OF INLAND WETLANDS	WF#10
FENCE	X X X X
TREE LINE	o o o o
OVERHEAD WIRES	
LEDGE	~ ~ ~ ~
ROCK	o o o o
NOW OR FORMERLY UTILITY POLE	N/F
BOUNDARY POINT	o
IRON MONUMENT	o
CONNECTICUT HIGHWAY DEPARTMENT MONUMENT(CHD)	o
TEST HOLE	+
PERCOLATION TEST	+
MAIL BOX	+



33 Wilbur Cross Way, Mansfield, CT 06288  
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East Hartford, CT 06108  
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**CURVE DATA TABLE**

CURVE	DELTA	RADIUS	LENGTH	CHORD
C1	82°05'38"	25.00	35.82	N2°58'29"E 32.83'
C2	91°40'50"	25.00	40.00	S2°23'15"W 35.87'

**MAP REFERENCES**

- "SITE DEVELOPMENT PLAN PREPARED FOR SUNFOX CAMPGROUND, LLC, 15 KENYON ROAD, LISBON, CONNECTICUT, COMPILATION MAP," SCALE: 1"=150', DATE: MAY, 25, 2016, REVISED 08/26/2016, BY CME ASSOCIATES, INC.
- "PROPERTY SURVEY: LAND OF JOHN JOSEPH BELLIVEAU & MARY ETHEL BELLIVEAU, 33 STRAD ROAD LISBON, CONNECTICUT" Scale: 1"=20' Dated: July 22, 1998 By: WEILER ASSOCIATES
- "BOUNDARY MAP, PREPARED FOR EUGENE & MAUREN JABLONSKI, ROUTE 169 LISBON, CONNECTICUT" Scale: 1"=50' Dated: September 15, 1992. Map # 200 By: ROB HELLSTROM LAND SURVEYING
- "SUBDIVISION MAP & SITE PLAN PREPARED FOR GENE JABLONSKI, RTE 169 LISBON, CONNECTICUT" Scale: 1"=20' Dated: JUNE 12, 1986 By: FRANSEN CONSULTANTS
- "SUBDIVISION PLAN: PROPERTY OF PAULINE ALLEN & BETTY JANE KNOX, TO BE DEVELOPED BY MARLIN ENTERPRISES INC. PRESTON ALLEN ROAD LISBON, CONNECTICUT" Scale 1"=50' Dated: November 2, 1983 By: OLAND J. HARRIS & ASSOCIATES.
- "PLAN SHOWING PROPERTY OF EDWARD STRNAD TOWN OF LISBON CONNECTICUT" Scale: 1"=100' Dated: January 14, 1962 Survey By: GEO PITCHER Subdivision By: THOS. PETERSON
- "SEDIMENT & EROSION CONTROL PLAN & DETAILS FOR GENE JABLONSKI SITE PLAN ROUTE 169 LISBON, CONNECTICUT" Scale: 1"=30' Dated: MARCH 21, 1986
- "CONNECTICUT STATE HIGHWAY DEPARTMENT, RIGHT OF WAY MAP, TOWN OF LISBON, CONNECTICUT TURNPIKE, FROM THE NORWICH TOWN LINE NORTHEASTERLY TO THE GRISWOLD TOWN LINE" Scale: 1"=80' Dated: DECEMBER 14, 1960
- "SKETCH MAP OF DEERHAVEN," SCALE: 1"=1'0" DATE: 7-11-1997, BY R & J PAWLIKOWSKI, REVISED 7-15-1997
- "FIRM: FLOOD INSURANCE RATE MAP, NEW LONDON COUNTY, CONNECTICUT ALL JURISDICTIONS" Scale 1"=500' Dated: JULY 18, 2011 MAP # 09011C0209G

**NOTES**

- THIS SURVEY HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300b-1 THROUGH 20-300b-20 AND THE "STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS PREPARED AND ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 26, 1996 AND AS AMENDED ON OCTOBER 26, 2018.
- THE TYPE OF SURVEY PERFORMED IS A TOPOGRAPHIC AND LIMITED BOUNDARY SURVEY. THE EASTERLY BOUNDARY CONFORMS TO THE HORIZONTAL CLASS A-2, THE WESTERLY BOUNDARY INFORMATION CONFORMS TO HORIZONTAL CLASS D, VERTICAL DATUM CONFORMS TO CLASS T-2.
- THIS SURVEY WAS PREPARED TO DEPICT THE EXISTING CONDITIONS OF A PORTION OF THE SUBJECT PROPERTY.
- THE SUBJECT PARCEL WAS CONVEYED TO SUNFOX CAMPGROUND, LLC, THROUGH A CONVEYANCE DATED ON 2/26/2014, AND IS RECORDED IN VOLUME 156, PAGE 563 OF THE LISBON LAND RECORDS.
- THE SUBJECT PROPERTY IS SHOWN ON THE LISBON TAX ASSESSOR MAP No. 73 AS LOT 38 OF BLOCK 9 AND HAS BEEN ASSIGNED ADDRESS OF 15 KENYON ROAD, LISBON, CONNECTICUT.
- TOTAL AREA OF PROPERTY = 63.09± ACRES (2,748,077± SQUARE FEET).
- SITE IS LOCATED IN ZONE R-60.
- WETLANDS WERE FLAGGED BY JAMES SIPPERLY ON 1/18/2020.
- ELEVATIONS ARE BASED ON VERTICAL DATUM NAVD88.
- HORIZONTAL DATUM IS BASED ON NAD83 COORDINATES.
- UNDERGROUND UTILITY, STRUCTURE AND FACILITY LOCATIONS DEPICTED AND NOTED HEREON HAVE BEEN COMPILED, IN PART, FROM RECORD MAPPING SUPPLIED BY THE RESPECTIVE UTILITY COMPANIES OR GOVERNMENTAL AGENCIES, FROM PAROL TESTIMONY AND FROM OTHER SOURCES. THESE LOCATIONS MUST BE CONSIDERED AS APPROXIMATE IN NATURE. ADDITIONALLY, OTHER SUCH FEATURES MAY EXIST ON THE SITE, THE EXISTENCE OF WHICH ARE UNKNOWN TO CME ASSOCIATES, INC. THE SIZE, LOCATION AND EXISTENCE OF ALL SUCH FEATURES MUST BE FIELD DETERMINED AND VERIFIED BY THE APPROPRIATE AUTHORITIES PRIOR TO CONSTRUCTION. CALL BEFORE YOU DIG 1-800-922-4455.

TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

CRAIG P. BIGGER, L.S. #70413 DATE



SITE DEVELOPMENT PLAN  
PREPARED FOR  
**DAVID NOWAKOWSKI**  
15 KENYON ROAD  
LISBON, CONNECTICUT

**JOB DATA**

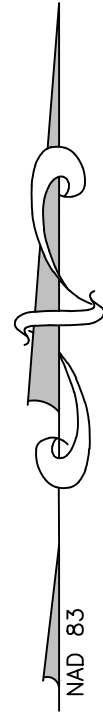
NO.	DATE	DESCRIPTION
1	02/10/2021	HEALTH COMMENTS
2	04/02/2021	CT DPH COMMENTS
3	06/15/2021	CT DPH COMMENTS
4	12/07/2021	PZC COMMENTS

**REVISIONS**

BY	DESCRIPTION
RAC	HEALTH COMMENTS
PMP	CT DPH COMMENTS
RAC	CT DPH COMMENTS
PMP	PZC COMMENTS

DATE: 11/20/2020  
SCALE: 1" = 80'  
PROJECT: #2019160



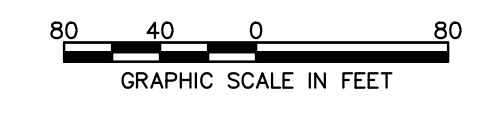


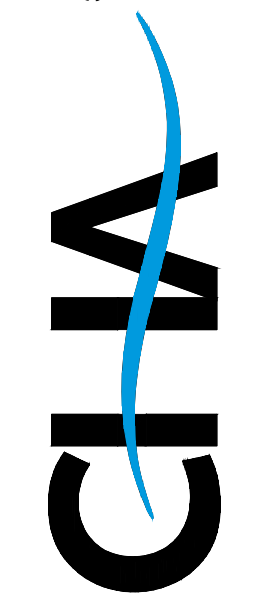
**LEGEND**

PROPERTY LINE	---
ABUTTERS LINE	----
EDGE OF PAVEMENT	=====
EDGE OF GRAVEL	-----
EXISTING CONTOUR	.....
STONE WALL	-----
LIMITS OF INLAND WETLANDS	WF#10
TREE LINE	X X X X
FENCE	o o o o
OVERHEAD WIRES	
LEDGE	
ROCK	■
NOW OR FORMERLY UTILITY POLE	○
BOUNDARY POINT	●
IRON MONUMENT	⊙
CONNECTICUT HIGHWAY DEPARTMENT MONUMENT(CHD)	⊕
TEST HOLE	⊕
PERCOLATION TEST	⊕
MAIL BOX	⊕

TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

CRAIG P. BIGGER, L.S. #70413 DATE





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SITE DEVELOPMENT PLAN  
PREPARED FOR

**DAVID NOWAKOWSKI**  
15 KENYON ROAD  
LISBON, CONNECTICUT

**EXISTING CONDITIONS**

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JOB DATA		REVISIONS	
NO.	DATE	DESCRIPTION	BY
1	02/10/2021	HEALTH COMMENTS	RAC
2	04/02/2021	CT DPH COMMENTS	PMP
3	06/15/2021	CT DPH COMMENTS	RAC
4	12/07/2021	PZC COMMENTS	PMP

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DATE: 11/20/2020

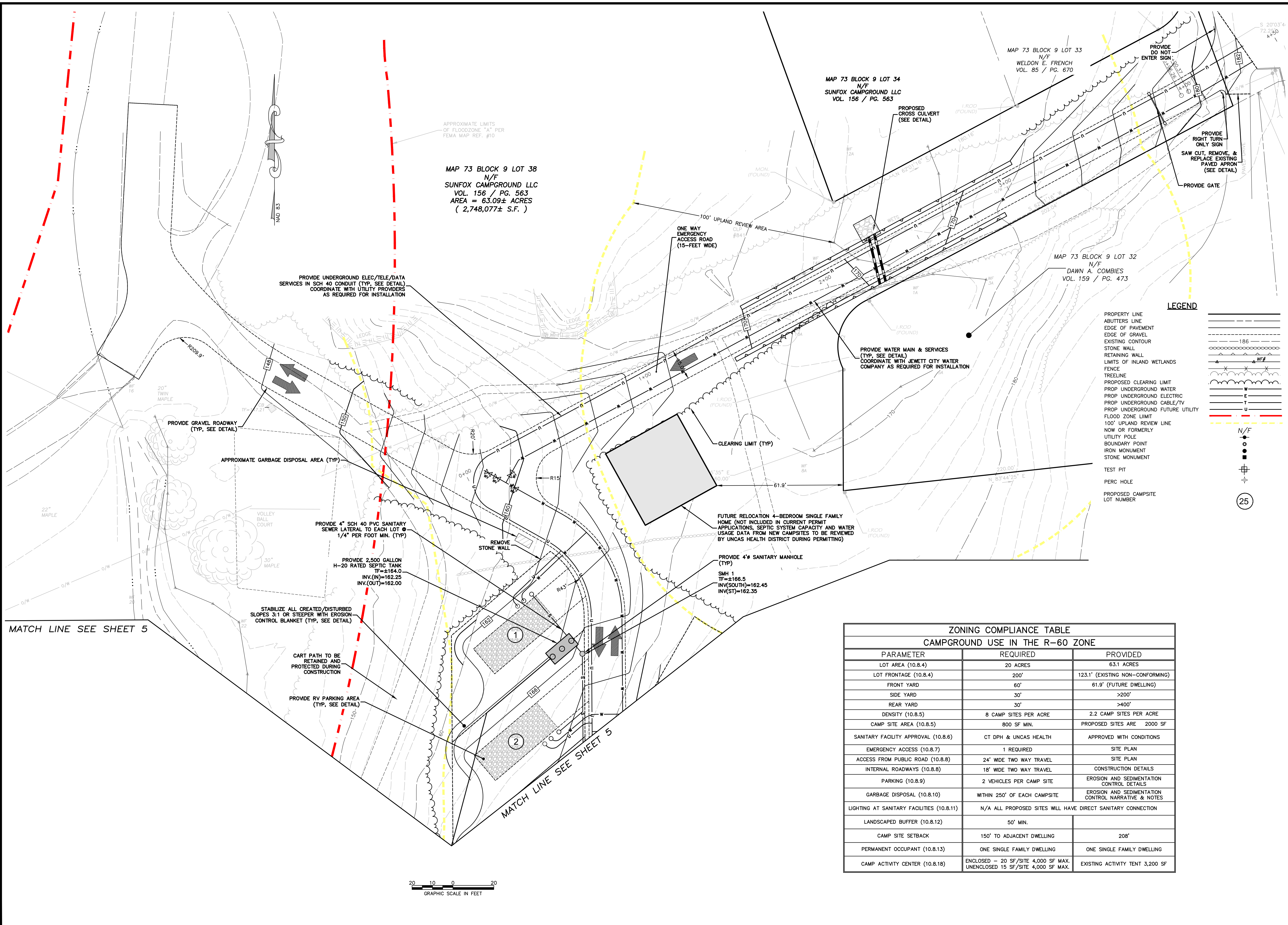
SCALE: 1" = 80'

PROJECT: #2019160

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SHEET  
3 OF 12





**LEGEND**

---	PROPERTY LINE
- - -	ADJUTERS LINE
----	EDGE OF PAVEMENT
----	EDGE OF GRAVEL
----	EXISTING CONTOUR
----	STONE WALL
----	RETAINING WALL
----	LIMITS OF INLAND WETLANDS
----	FENCE
----	TREELINE
----	PROPOSED CLEARING LIMIT
----	PROPOSED UNDERGROUND WATER
----	PROPOSED UNDERGROUND ELECTRIC
----	PROPOSED UNDERGROUND CABLE/TV
----	PROPOSED UNDERGROUND FUTURE UTILITY
----	FLOOD ZONE LIMIT
----	100' UPLAND REVIEW LINE
----	NOW OR FORMERLY UTILITY POLE
----	BOUNDARY POINT
----	IRON MONUMENT
----	STONE MONUMENT
----	TEST PIT
----	PERC HOLE
----	PROPOSED CAMPSITE
----	LOT NUMBER

**ZONING COMPLIANCE TABLE**  
CAMPGROUND USE IN THE R-60 ZONE

PARAMETER	REQUIRED	PROVIDED
LOT AREA (10.8.4)	20 ACRES	63.1 ACRES
LOT FRONTAGE (10.8.4)	200'	123.1' (EXISTING NON-CONFORMING)
FRONT YARD	60'	61.9' (FUTURE DWELLING)
SIDE YARD	30'	>200'
REAR YARD	30'	>400'
DENSITY (10.8.5)	8 CAMP SITES PER ACRE	2.2 CAMP SITES PER ACRE
CAMP SITE AREA (10.8.5)	800 SF MIN.	PROPOSED SITES ARE 2000 SF
SANITARY FACILITY APPROVAL (10.8.6)	CT DPH & UNCAS HEALTH	APPROVED WITH CONDITIONS
EMERGENCY ACCESS (10.8.7)	1 REQUIRED	SITE PLAN
ACCESS FROM PUBLIC ROAD (10.8.8)	24' WIDE TWO WAY TRAVEL	SITE PLAN
INTERNAL ROADWAYS (10.8.8)	18' WIDE TWO WAY TRAVEL	CONSTRUCTION DETAILS
PARKING (10.8.9)	2 VEHICLES PER CAMP SITE	EROSION AND SEDIMENTATION CONTROL DETAILS
GARBAGE DISPOSAL (10.8.10)	WITHIN 250' OF EACH CAMPSITE	EROSION AND SEDIMENTATION CONTROL NARRATIVE & NOTES
LIGHTING AT SANITARY FACILITIES (10.8.11)	N/A ALL PROPOSED SITES WILL HAVE DIRECT SANITARY CONNECTION	
LANDSCAPED BUFFER (10.8.12)	50' MIN.	
CAMP SITE SETBACK	150' TO ADJACENT DWELLING	208'
PERMANENT OCCUPANT (10.8.13)	ONE SINGLE FAMILY DWELLING	ONE SINGLE FAMILY DWELLING
CAMP ACTIVITY CENTER (10.8.18)	ENCLOSED - 20 SF/SITE 4,000 SF MAX. UNENCLOSED 15 SF/SITE 4,000 SF MAX.	EXISTING ACTIVITY TENT 3,200 SF

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SITE DEVELOPMENT PLAN  
PREPARED FOR  
**DAVID NOWAKOWSKI**  
15 KENYON ROAD  
LISBON, CONNECTICUT

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**SITE PLAN**

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JOB DATA		REVISIONS	
PROJECT	DATE	NO.	DESCRIPTION
2019160	11/20/2020	1	HEALTH COMMENTS
192	04/02/2021	2	CT DPH COMMENTS
KLD/PMP	06/15/2021	3	CT DPH COMMENTS
ZBC/RAC	12/07/2021	4	PZC COMMENTS
2019160 ALL			
FILE			

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DATE: 11/20/2020  
SCALE: 1" = 20'  
PROJECT: #2019160

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SHEET  
4 OF 12



MATCH LINE SEE SHEET 4

MAP 73 BLOCK 9 LOT 38  
N/F  
SUNFOX CAMPGROUND LLC  
VOL. 156 / PG. 563  
AREA = 63.09± ACRES  
( 2,748,077± S.F. )

**BASIS FOR SEPTIC DESIGN**

**TOTAL SITE FLOWS**

EXISTING CAMPGROUND HAS 88 CAMPSITES (WITH A COMBINATION OF SITES SERVICED BY SEPTIC SYSTEMS, COMMUNITY BATHROOMS, SITES THAT USE THE DUMP STATION, AND SERVICE BY A "HONEY WAGON")

2018 WATER USAGE DATA  
AVERAGE CAMP-WIDE USAGE FOR APRIL THROUGH OCTOBER = 3,642 GALLONS PER DAY  
3,649.5 GPD/88 CAMPSITES = 41.5 GPD/CAMPSITE

ASSUMED RATE FOR NEW CAMPSITES  
41.5 GPD X 1.5 SAFETY FACTOR = 62.3 GPD/CAMPSITE

PROPOSED EXPANSION INCLUDES:

32 NEW CAMPSITES AT 62.3 GPD/SITE = 1,993.6 GPD  
(29 SITES ON NEW SANITARY SEWER COLLECTION SYSTEM & 3 WITHIN SERVICE AREA OF PROPOSED PAVILION)

PROPOSED DAILY WATER USAGE BELOW 7,500 GPD  
EXISTING 3649.5 GPD X 1.5 SAFETY FACTOR = 5,474.3 GPD  
PLUS 32 NEW CAMPSITES X 62.3 GPD (ALREADY INCLUDES SAFETY FACTOR) = 1,993.6 GPD  
TOTAL DAILY USAGE = 5,474.3 + 1,993.6 = 7,467.9 GPD < 7,500 GPD

**DESIGN DATA**

PERCOLATION RATE = 6.2 MIN/IN (PERC A)

REQUIRED EFFECTIVE LEACHING AREA

32 CAMPSITES  
APPLICATION RATE = 1.5 PER TABLE 8 FOR NON-PROBLEMATIC SEWAGE  
1,993.6 / 1.5 = 1,329.1 SF OF ELA REQUIRED

FUTURE RELOCATION OF 4 BEDROOM RESIDENCE ON-SITE  
PER TABLE 6 577.5 SF OF ELA REQUIRED

TOTAL ELA REQUIRED  
1,329.1 SF + 577.5 SF = 1,906.6 SF

MLSS

RESTRICTIVE LAYER AT 52" (TEST PIT 2)  
SLOPE = ±29%  
HF = 10

TOTAL DESIGN FLOW = 1,993.6 + 600 = 2,593.6  
FF = 2,593.6/300 = 8.65

PF = 1 (PERC RATE LESS THAN 10 MIN/IN)

MLSS = 10 \* 8.65 \* 1 = 86.5 LF

PROPOSED SYSTEM

2 ROWS OF 20 18" PRECAST CONCRETE GALLERIES AT 6.2 SF/LF

EFFECTIVE LEACHING AREA PROVIDED = 320 LF \* 6.2 SF/LF = 1,984.0 SF

SPREAD PROVIDED = ±160 LF

PROVIDE TEST PITS (50' DOWN GRADIENT FROM SEPTIC SYSTEM LEACH FIELD) PRIOR TO CONSTRUCTION. TEST PITS MUST BE OBSERVED BY UNCAS HEALTH DISTRICT

PROVIDE TWO ROWS OF 20 18" PRECAST CONCRETE GALLERIES

PROVIDE STANDARD DISTRIBUTION BOX  
INV(IN)=155.50  
INV(OUT)=155.67

PROVIDE DISTRIBUTION BOX W/ BAFFLE  
INV(IN)=159.50  
INV(OUT)=159.33

PROVIDE STANDARD DISTRIBUTION BOX  
INV(IN)=159.00  
INV(OUT)=159.00  
INV(OVERFLOW)=159.17

STABILIZE ALL CREATED/DISTURBED SLOPES 3:1 OR STEEPER WITH EROSION CONTROL BLANKET (TYP. SEE DETAIL)

CLEARING LIMIT (TYP.)

PROVIDE ±360 LF OF 2" DR 11 HDPE FORCE MAIN

PROVIDE UNDERGROUND ELEC/TELE/DATA SERVICES IN SCH 40 CONDUIT (TYP. SEE DETAIL) COORDINATE WITH UTILITY PROVIDERS AS REQUIRED FOR INSTALLATION

PROVIDE ±275 LF OF 6" SDR 35 PVC DISTRIBUTION PIPE @ 0.9%

RESERVE AREA (PUMP REQUIRED)

FL=159.0  
FL=155.5

PERC 'A' (SEE SHEET 7 FOR RESULTS)

PERC 'B' (SEE SHEET 7 FOR RESULTS)

MATCH LINE SEE SHEET 4

MATCH LINE SEE SHEET 6

**TEST HOLE DATA**

OBSERVED BY:  
PETE PARENT  
& KATEY DECARU  
12/11/2019

TP #1  
TOTAL DEPTH=84"  
0-4" TOPSOIL  
4"-66" BROWN FINE SANDY LOAM  
66"-84" COURSE SAND  
RESTRICTIVE LAYER AT 66"  
MOTTLING AT 65"  
ROOTS TO 65"

TP #2  
TOTAL DEPTH=78"  
0-5" TOPSOIL  
5"-52" BROWN FINE SANDY LOAM  
52"-78" GRAY COURSE SAND  
RESTRICTIVE LAYER AT 52"  
COBBLES AND BOULDERS THROUGHOUT  
ROOTS TO 55"

TP #3  
TOTAL DEPTH=92"  
0-6" TOPSOIL  
6"-59" BROWN FINE SANDY LOAM  
59"-92" GRAY MED-FINE SAND W/GRAVEL  
RESTRICTIVE LAYER AT 59"  
WATER AT 56"  
ROOTS TO 52"

TP #4  
TOTAL DEPTH=88"  
0-7" TOPSOIL  
7"-34" BROWN FINE SANDY LOAM  
34"-88" GRAY FINE SAND W/ GRAVEL  
RESTRICTIVE LAYER AT 34"  
ROOTS TO 34"

**PERCOLATION DATA**

PERFORMED BY:  
PETE PARENT, PE  
12/11/2019

PERC A  
TOTAL DEPTH=24"  
PRE-SOAK @ X:XX PM  
11:15 AM 4.5"  
11:18 AM 8.25"  
11:22 AM 10.5"  
11:27 AM 13.0"  
11:30 AM 14.5"  
11:34 AM 15.5"  
11:37 AM 16.25"  
11:40 AM 17.0"  
11:44 AM 18.0"  
11:49 AM 18.75"  
11:54 AM 19.5"  
11:58 AM 20.25"  
12:03 AM 21.0"

RATE=6.2 MIN/IN

PERC B  
TOTAL DEPTH=24"  
PRE-SOAK @ X:XX PM  
12:05 PM 7.5"  
12:10 PM 10.0"  
12:14 PM 12.0"  
12:17 PM 13.25"  
12:21 PM 13.75"  
12:27 PM 15.0"  
12:32 PM 16"  
12:41 PM 17.5"  
12:47 PM 18.25"  
12:51 PM 19.0"  
12:58 PM 20.0"

RATE=6.5 MIN/IN

**LEGEND**

- PROPERTY LINE
- ABUTTERS LINE
- EDGE OF PAVEMENT
- EDGE OF GRAVEL
- EXISTING CONTOUR
- STONE WALL
- RETAINING WALL
- LIMITS OF INLAND WETLANDS
- FENCE
- TREELINE
- PROPOSED CLEARING LIMIT
- PROP UNDERGROUND WATER
- PROP UNDERGROUND ELECTRIC
- PROP UNDERGROUND CABLE/TV
- PROP UNDERGROUND FUTURE UTILITY
- FLOOD ZONE LIMIT
- 100' UPLAND REVIEW LINE
- NOW OR FORMERLY
- UTILITY POLE
- BOUNDARY POINT
- IRON MONUMENT
- STONE MONUMENT
- TEST PIT
- PERC HOLE
- PROPOSED CAMPSITE
- LOT NUMBER

20 10 0 20  
GRAPHIC SCALE IN FEET

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860-885-1655 | www.cimainc.com



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15 KENYON ROAD  
LISBON, CONNECTICUT

SITE PLAN

**REVISIONS**

**JOB DATA**

NO.	DATE	DESCRIPTION	BY
1	02/10/2021	HEALTH COMMENTS	RAC
2	04/02/2021	CT DPH COMMENTS	PMP
3	06/15/2021	CT DPH COMMENTS	RAC
4	12/07/2021	PZC COMMENTS	PMP

PROJECT	2019160
BOOK NO.	192
DESIGNED	KLD/PMP
DRAWN	ZBC/RAC
CHECKED	KLD
COCO FILE	2019160 ALL
FILE	2019160_SDP.dwg

DATE: 11/20/2020  
SCALE: 1" = 20'  
PROJECT: #2019160

SHEET  
5 OF 12

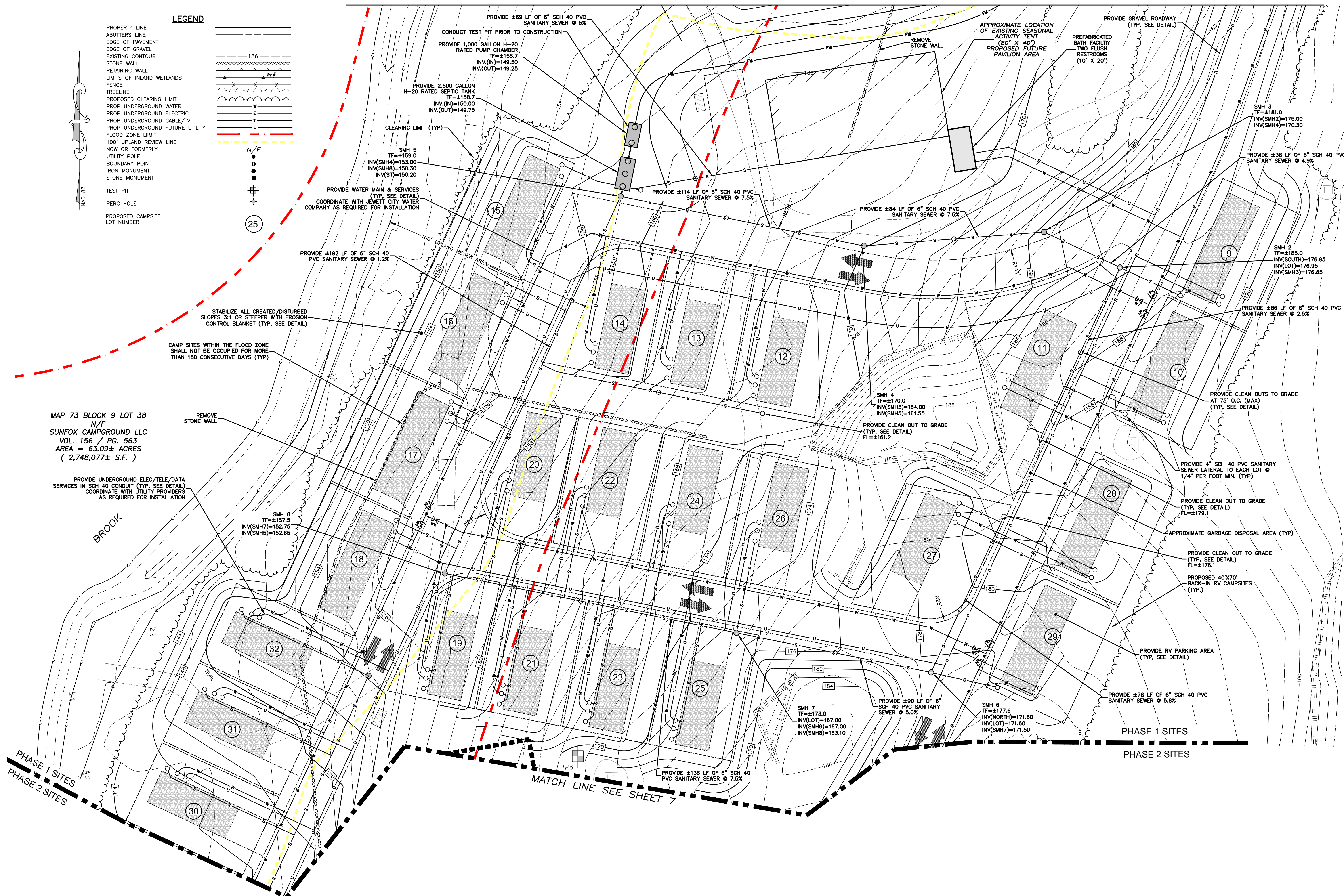


MATCH LINE SEE SHEET 5

LEGEND

- PROPERTY LINE
- ADJUTERS LINE
- EDGE OF PAVEMENT
- EDGE OF GRAVEL
- EXISTING CONTOUR
- STONE WALL
- RETAINING WALL
- LIMITS OF INLAND WETLANDS
- FENCE
- TREELINE
- PROPOSED CLEARING LIMIT
- PROP. UNDERGROUND WATER
- PROP. UNDERGROUND ELECTRIC
- PROP. UNDERGROUND CABLE/TV
- PROP. UNDERGROUND FUTURE UTILITY
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- 100' UPLAND REVIEW LINE
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- IRON MONUMENT
- STONE MONUMENT
- TEST PIT
- PERC HOLE
- PROPOSED CAMPSITE
- LOT NUMBER

MAP 73 BLOCK 9 LOT 38  
N/F  
SUNFOX CAMPGROUND LLC  
VOL. 156 / PG. 563  
AREA = 63.09± ACRES  
( 2,748,077± S.F. )



STABILIZE ALL CREATED/DISTURBED SLOPES 3:1 OR STEEPER WITH EROSION CONTROL BLANKET (TYP. SEE DETAIL)

CAMP SITES WITHIN THE FLOOD ZONE SHALL NOT BE OCCUPIED FOR MORE THAN 180 CONSECUTIVE DAYS (TYP)

REMOVE STONE WALL

PROVIDE UNDERGROUND ELEC/TELE/DATA SERVICES IN SCH 40 CONDUIT (TYP. SEE DETAIL) COORDINATE WITH UTILITY PROVIDERS AS REQUIRED FOR INSTALLATION

SMH 8  
TF=±157.5  
INV(SMH7)=152.75  
INV(SMH5)=152.65

PROVIDE ±69 LF OF 6" SCH 40 PVC SANITARY SEWER @ 5%

CONDUCT TEST PIT PRIOR TO CONSTRUCTION

PROVIDE 1,000 GALLON H-20 RATED PUMP CHAMBER  
TF=±158.7  
INV.(N)=149.50  
INV.(OUT)=149.25

PROVIDE 2,500 GALLON H-20 RATED SEPTIC TANK  
TF=±158.7  
INV.(N)=150.00  
INV.(OUT)=149.75

PROVIDE WATER MAIN & SERVICES (TYP. SEE DETAIL) COORDINATE WITH JEWETT CITY WATER COMPANY AS REQUIRED FOR INSTALLATION

PROVIDE ±114 LF OF 6" SCH 40 PVC SANITARY SEWER @ 7.5%

PROVIDE ±84 LF OF 6" SCH 40 PVC SANITARY SEWER @ 7.5%

PROVIDE ±38 LF OF 6" SCH 40 PVC SANITARY SEWER @ 4.9%

SMH 2  
TF=±185.0  
INV(SOUTH)=176.95  
INV(LOT)=176.95  
INV(SMH3)=176.85

PROVIDE ±86 LF OF 6" SCH 40 PVC SANITARY SEWER @ 2.5%

SMH 4  
TF=±170.0  
INV(SMH3)=164.00  
INV(SMH5)=161.55  
PROVIDE CLEAN OUT TO GRADE (TYP. SEE DETAIL)  
FL=±161.2

PROVIDE CLEAN OUTS TO GRADE AT 75' O.C. (MAX) 1/4" PER FOOT MIN. (TYP)

PROVIDE 4" SCH 40 PVC SANITARY SEWER LATERAL TO EACH LOT @ 1/4" PER FOOT MIN. (TYP)

PROVIDE CLEAN OUT TO GRADE (TYP. SEE DETAIL)  
FL=±179.1

APPROXIMATE GARBAGE DISPOSAL AREA (TYP)

PROVIDE CLEAN OUT TO GRADE (TYP. SEE DETAIL)  
FL=±178.1

PROPOSED 40'X70' BACK-IN RV CAMPSITES (TYP.)

PROVIDE RV PARKING AREA (TYP. SEE DETAIL)

PROVIDE ±78 LF OF 6" SCH 40 PVC SANITARY SEWER @ 5.8%

SMH 7  
TF=±173.0  
INV(LOT)=167.00  
INV(SMH6)=167.00  
INV(SMH8)=163.10

PROVIDE ±90 LF OF 6" SCH 40 PVC SANITARY SEWER @ 5.0%

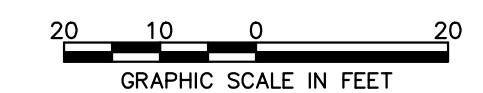
SMH 6  
TF=±177.6  
INV(NORTH)=171.60  
INV(LOT)=171.60  
INV(SMH7)=171.50

PROVIDE ±138 LF OF 6" SCH 40 PVC SANITARY SEWER @ 7.5%

PHASE 1 SITES

PHASE 2 SITES

MATCH LINE SEE SHEET 7



33 Wilbur Cross Way, Mansfield, CT 06288  
101 East River Drive, 1st Floor  
East Hartford, CT 06108  
860-885-1655 | www.cimainc.com



SITE DEVELOPMENT PLAN  
PREPARED FOR

DAVID NOWAKOWSKI  
15 KENYON ROAD  
LISBON, CONNECTICUT

SITE PLAN

JOB DATA

NO.	DATE	DESCRIPTION	BY
1	02/10/2021	HEALTH COMMENTS	RAC
2	04/02/2021	CT DPH COMMENTS	PMP
3	06/15/2021	CT DPH COMMENTS	RAC
4	12/07/2021	PZC COMMENTS	PMP

DATE: 11/20/2020

SCALE: 1" = 20'

PROJECT: #2019160

SHEET  
6 OF 12





**TEST HOLE DATA**  
OBSERVED BY:  
PETE PARENT,  
& KATEY DECARLI  
12/11/2019

**TP #5**  
TOTAL DEPTH=90"  
0-7" TOPSOIL  
7"-45" BROWN FINE SANDY LOAM  
45"-90" GRAY FINE SAND W/GRAVEL  
RESTRICTIVE LAYER AT 45"  
ROOTS TO 45"

**TP #6**  
TOTAL DEPTH=61"  
0-6" TOPSOIL  
6"-35" BROWN FINE SANDY LOAM  
35"-61" GRAY MEDIUM SAND W/GRAVEL  
RESTRICTIVE LAYER AT 35"  
ROOTS TO 35"  
LEDGE POSSIBLE AT 54"

**TP #7**  
TOTAL DEPTH=86"  
0-4" TOPSOIL  
4"-28" BROWN FINE SANDY LOAM  
28"-86" GRAY FINE SANDY GRAVEL  
RESTRICTIVE LAYER AT 28"  
ROOTS TO 28"

**TP #8**  
TOTAL DEPTH=90+"  
0-4" TOPSOIL  
4"-84" BROWN FINE SANDY LOAM  
NO RESTRICTIVE LAYER  
ROOTS TO 35"

**PERCOLATION DATA**  
PERFORMED BY:  
PETE PARENT, PE  
12/11/2019

**PERC C**  
TOTAL DEPTH=24"  
PRE-SOAK @ XXX PM  
1:04 PM 4.0"  
1:09 PM 9.5"  
1:17 PM 12.0"  
1:25 PM 13.0"  
1:30 PM 14.25"  
1:38 PM 15.0"  
1:46 PM 16.25"  
1:52 PM 17.0"  
1:58 PM 17.75"  
2:04 PM 18.25"

**RATE=8.0 MIN/IN**

**PERC D**  
TOTAL DEPTH=24"  
PRE-SOAK @ XXX PM  
1:02 PM 6.5"  
1:07 PM 11.0"  
1:16 PM 14.5"  
1:23 PM 16.75"  
1:29 PM 18.25"  
1:37 PM 20.5"  
1:45 PM 22.0"  
1:50 PM 22.75"

**RATE=5 MIN/IN**

**LEGEND**

PROPERTY LINE	---
ABUTTERS LINE	---
EDGE OF PAVEMENT	---
EDGE OF GRAVEL	---
EXISTING CONTOUR	---
STONE WALL	---
RETAINING WALL	---
LIMITS OF INLAND WETLANDS	---
FENCE	---
TREELINE	---
PROPOSED CLEARING LIMIT	---
PROP UNDERGROUND WATER	---
PROP UNDERGROUND ELECTRIC	---
PROP UNDERGROUND CABLE/TV	---
PROP UNDERGROUND FUTURE UTILITY	---
FLOOD ZONE LIMIT	---
100' UPLAND REVIEW LINE	---
NOW OR FORMERLY UTILITY POLE	---
BOUNDARY POINT	---
IRON MONUMENT	---
STONE MONUMENT	---
TEST PIT	---
PERC HOLE	---
PROPOSED CAMPSITE LOT NUMBER	---

33 Withur Cross Way, Mansfield, CT 06288  
101 East River Drive, 1st Floor  
Cape Fairfield, CT 06408  
860-885-1655 | www.cia.companies.com

**CIA**

SITE DEVELOPMENT PLAN  
PREPARED FOR  
**DAVID NOWAKOWSKI**  
15 KENYON ROAD  
LISBON, CONNECTICUT

**SITE PLAN**

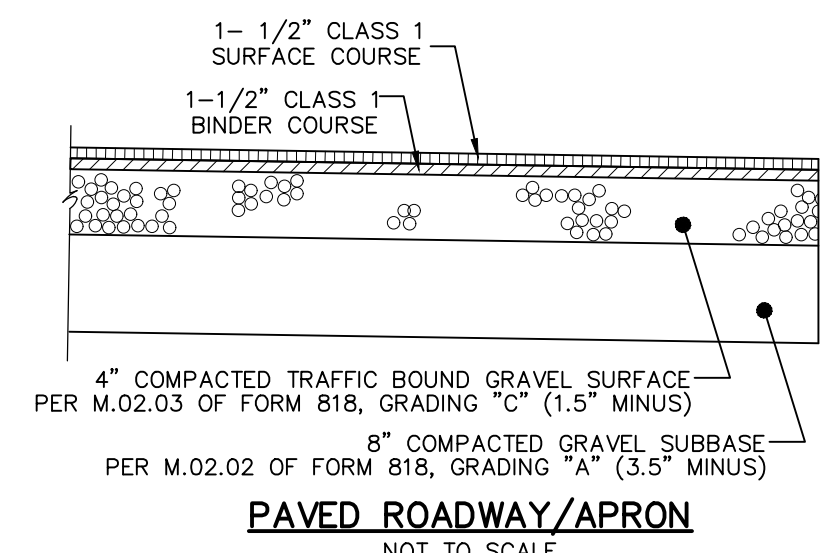
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NO.	DATE	DESCRIPTION	BY
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BOOK NO.	192	02/10/2021 HEALTH COMMENTS	RAC
DESIGNED	KLD/PMP	04/02/2021 CT DPH COMMENTS	PMP
DRAWN	ZBC/RAC	06/15/2021 CT DPH COMMENTS	RAC
CHECKED	KLD	12/07/2021 PZC COMMENTS	PMP
CADD FILE	2019160 ALL		
FILE	2019160_SDP.dwg		

DATE: 11/20/2020  
SCALE: 1" = 20'  
PROJECT: #2019160

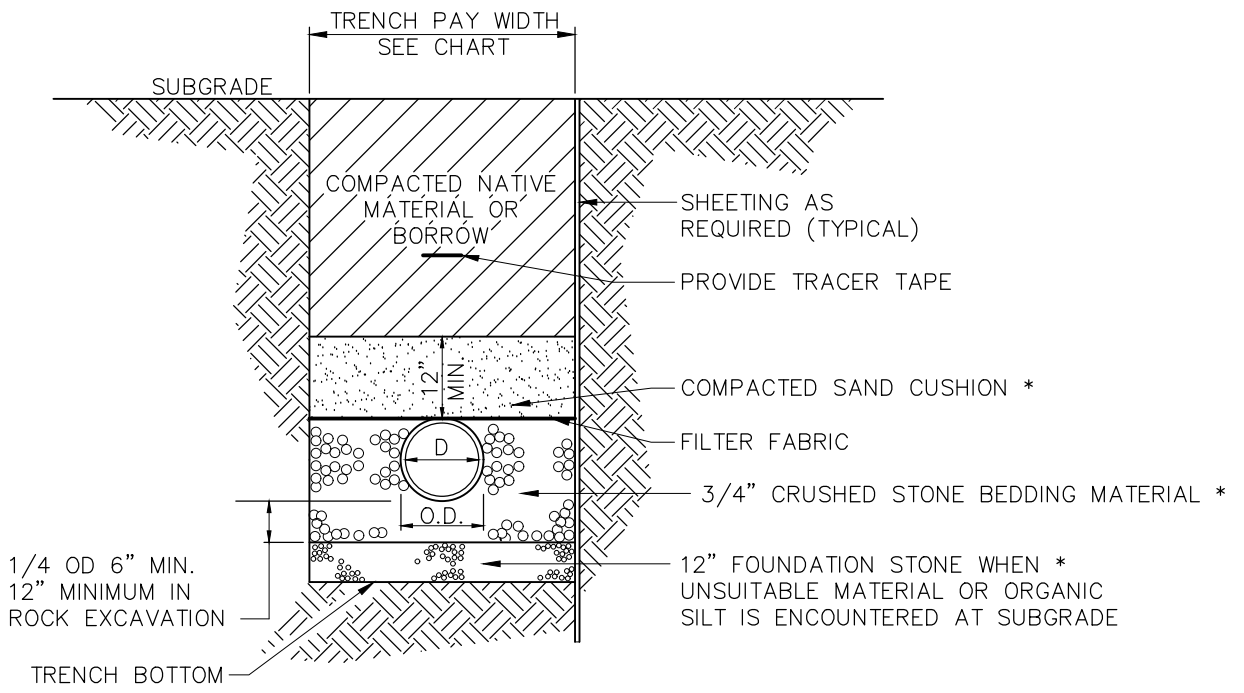
SHEET  
7 OF 12

(25)





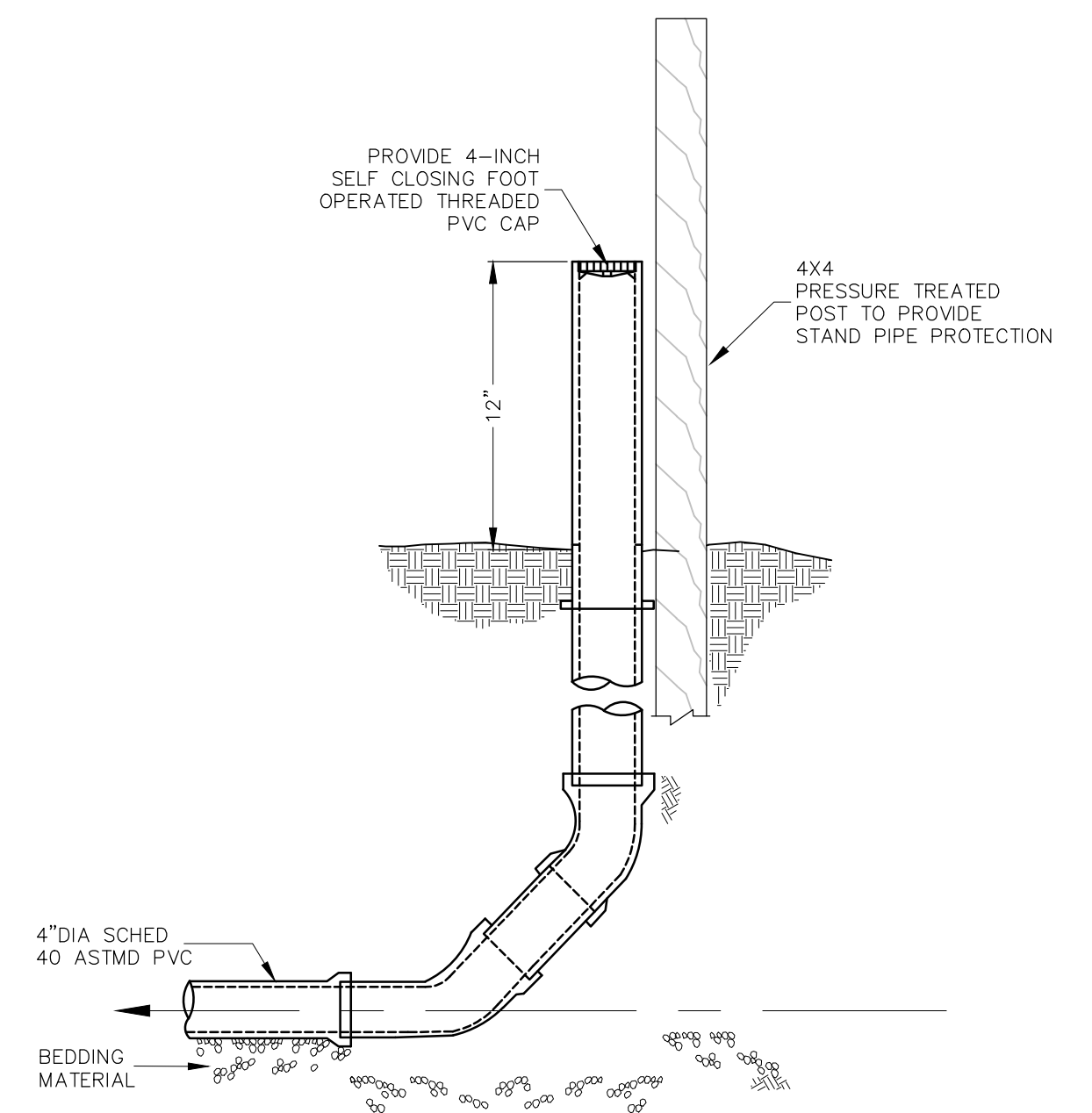
PIPE DIAMETER	MAXIMUM TRENCH WIDTH
≤6"	2'-6"
8"	3'-0"
10"	3'-0"
12"	3'-0"
15"	3'-3"
18"	3'-6"
21"	4'-0"
24"	4'-6"
30"	5'-0"



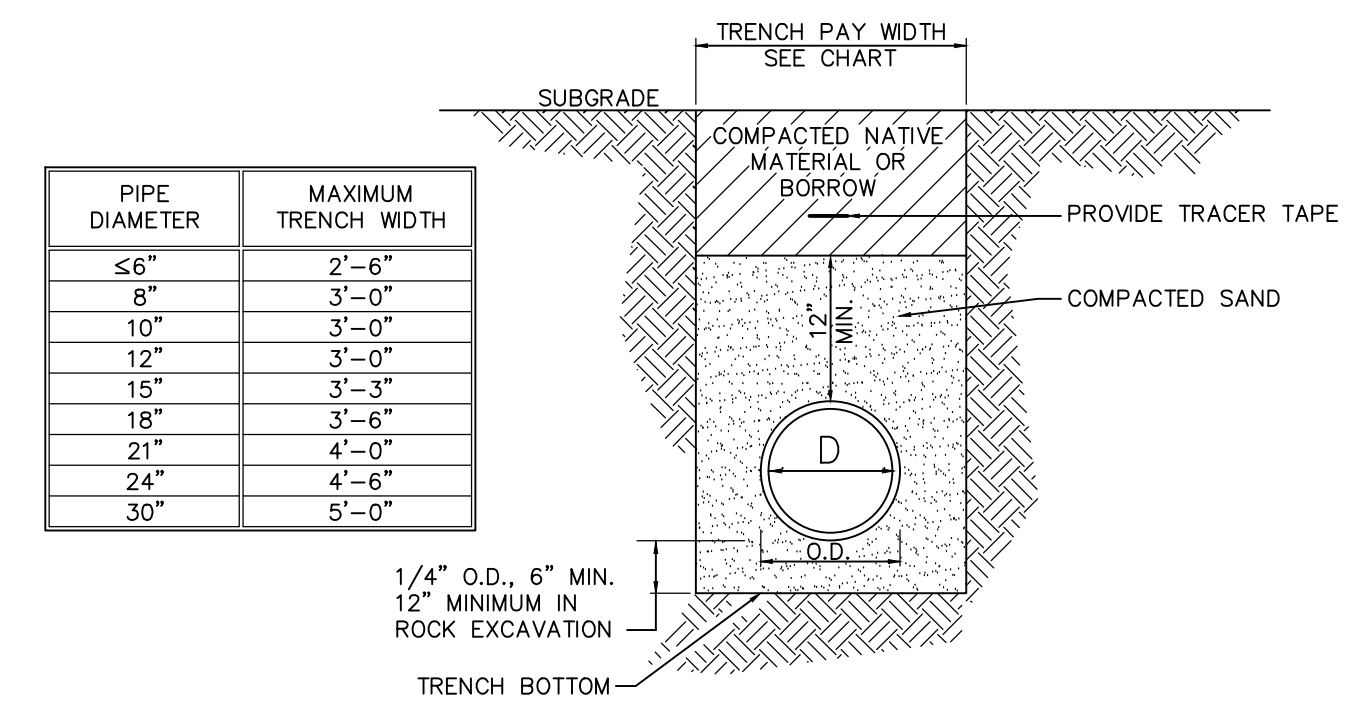
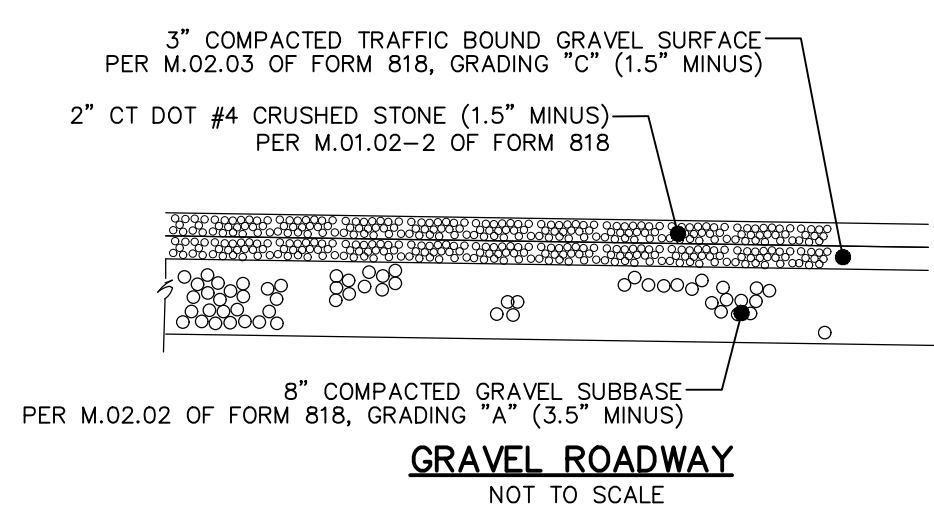
**TRENCH SECTION FOR SANITARY SEWER & STORM DRAINS**  
NOT TO SCALE

NOTE:  
BACKFILL MATERIAL TO BE PLACED IN 12" MAXIMUM LIFTS & COMPACTED TO 95% MAXIMUM DRY DENSITY (AS DETERMINED BY THE MODIFIED PROCTOR METHOD)

\* PROVIDE NATIVE MATERIAL WITHIN 50' OF SEPTIC SYSTEM LEACHING FIELDS

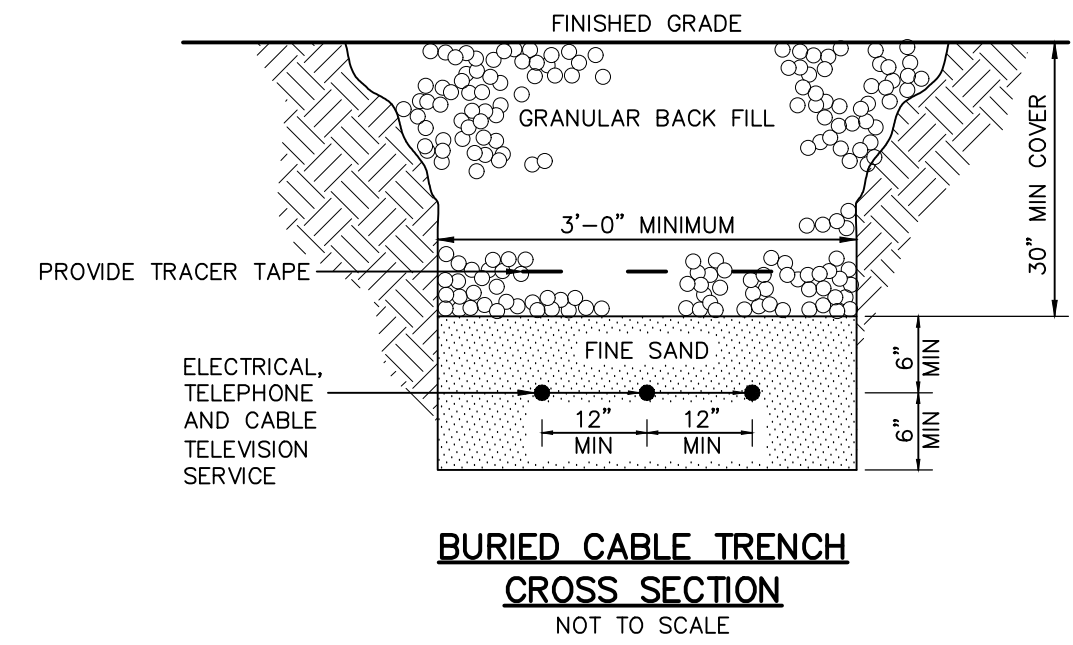
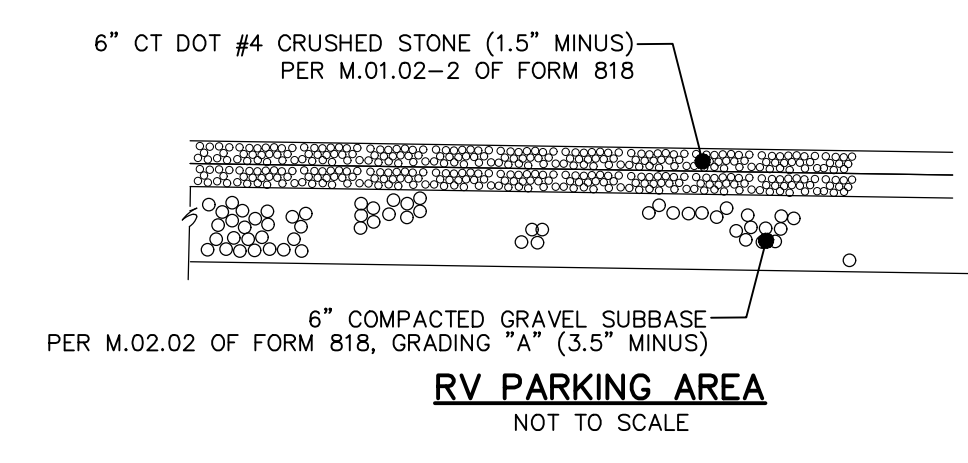


**CAMP SITE SANITARY SERVICE STAND PIPE DETAIL**  
NOT TO SCALE

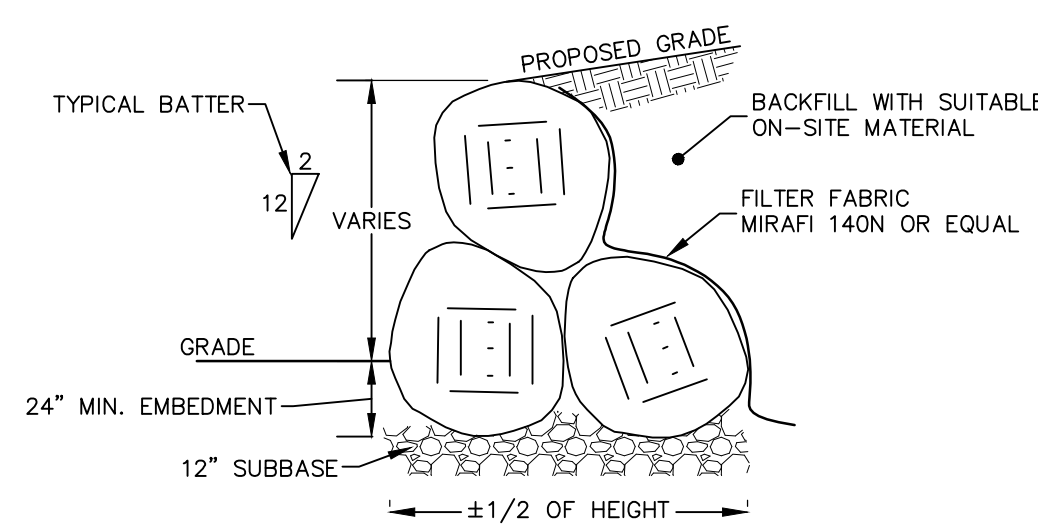


**TRENCH SECTION FOR TYPICAL WATER TRENCH**  
NOT TO SCALE

NOTE:  
BACKFILL MATERIAL TO BE PLACED IN 12" MAXIMUM LIFTS & COMPACTED TO 95% MAXIMUM DRY DENSITY (AS DETERMINED BY THE MODIFIED PROCTOR METHOD)

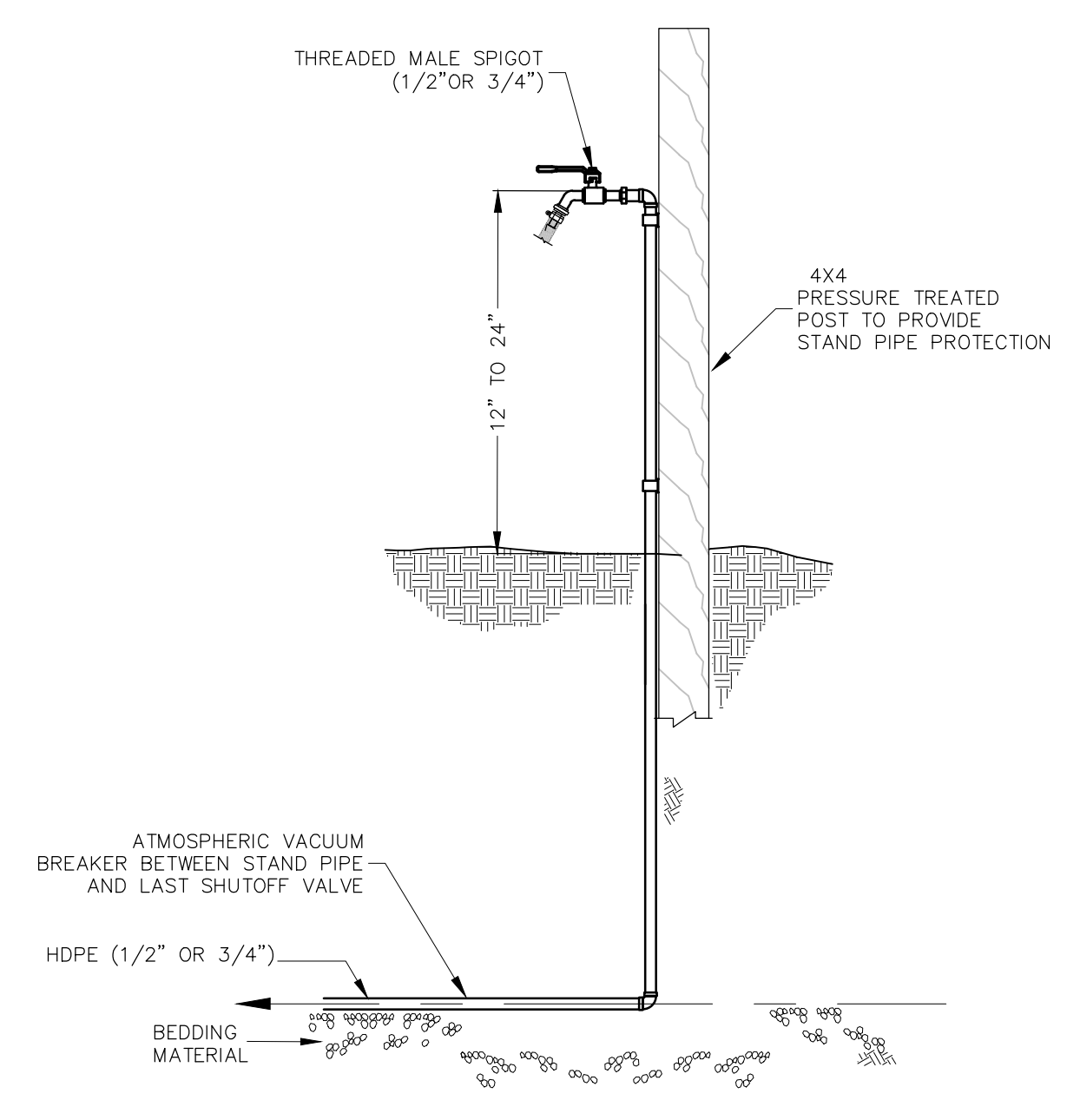


**BURIED CABLE TRENCH CROSS SECTION**  
NOT TO SCALE



**STONE SLOPE / RETAINING WALL**  
NOT TO SCALE

- NOTES:
1. BASE ROCKS SHALL BE A MINIMUM OF 2" IN DIAMETER AND HAVE AN APPROX. WEIGHT OF AT LEAST 1,500 LBS.
  2. CONSECUTIVE TIERS OF ROCKS SHALL BECOME PROGRESSIVELY SMALLER, WITH THE FINAL ROW BEING COMPRISED OF ROCKS NO SMALLER THAN 12" IN DIAMETER OR LESS THAN 150 LBS. SMALLER ROCKS MAY BE USED TO FILL VOID SPACES BETWEEN PROPERLY PLACED LARGER ROCKS.
  3. EACH PROPERLY PLACED ROCK WILL BEAR ON AT LEAST TWO ADJACENT STONES.
  4. CARE MUST BE TAKEN TO AVOID CONTINUOUS VERTICAL OR HORIZONTAL JOINTS WITHIN THE STONE FACE.

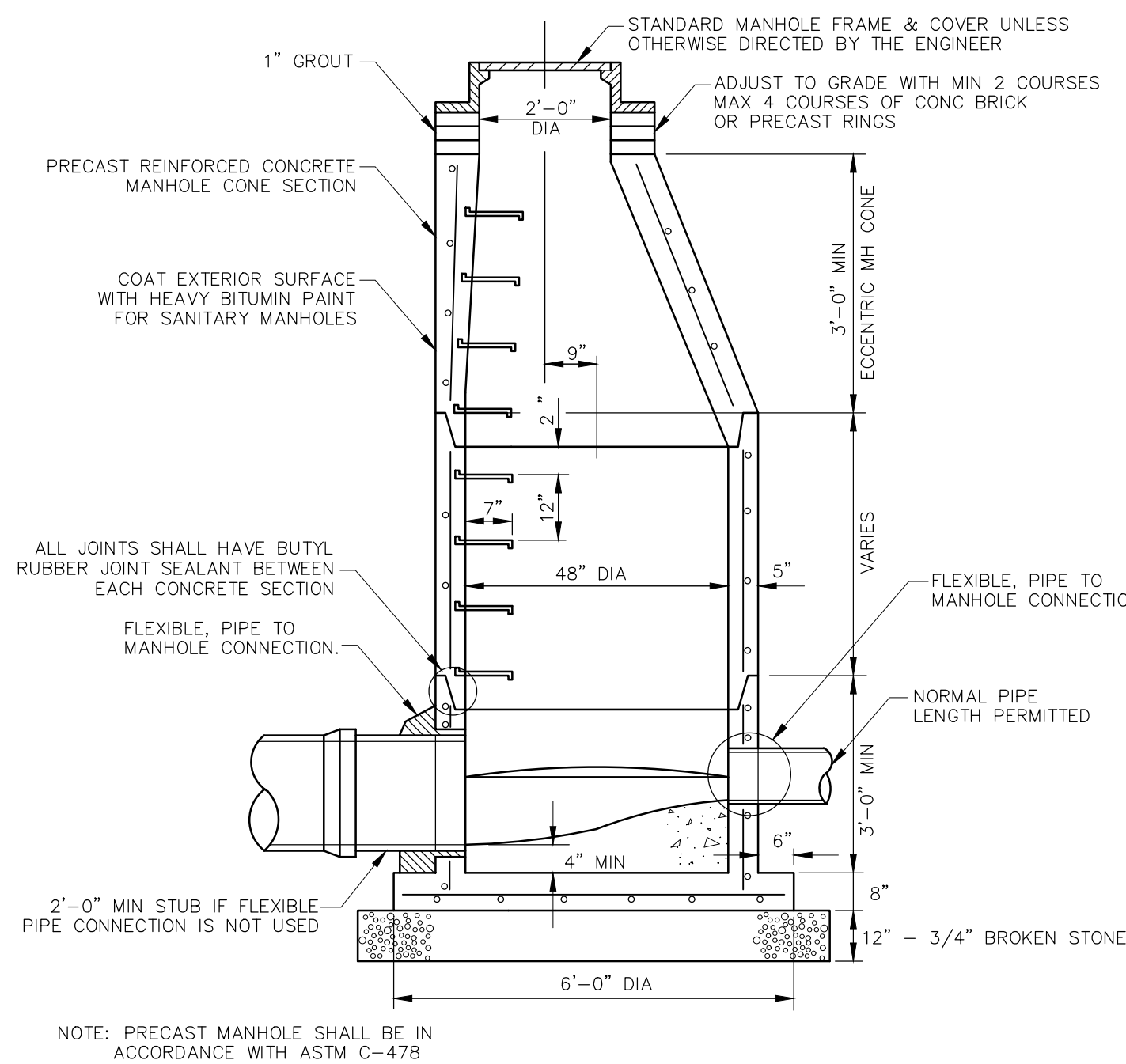


**CAMP SITE WATER SERVICE STAND PIPE DETAIL**  
NOT TO SCALE

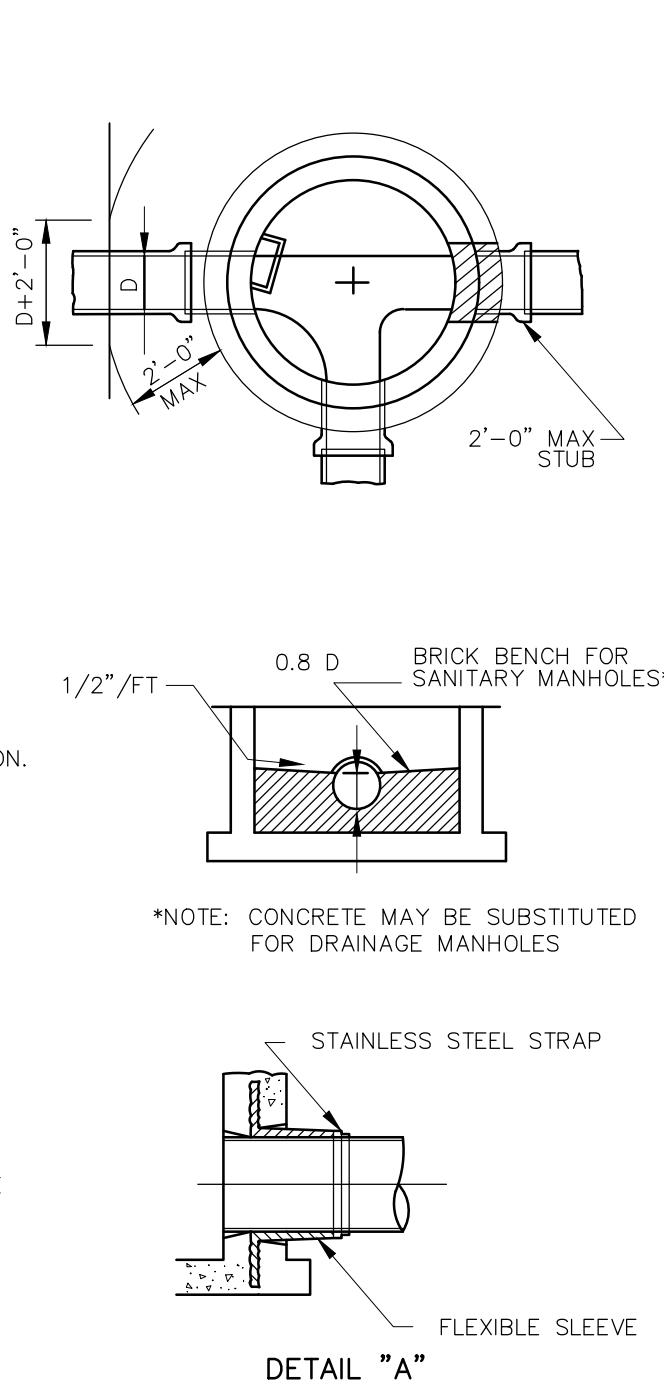
JOB DATA		REVISIONS	
NO.	DATE	DESCRIPTION	BY
1	02/10/2021	HEALTH COMMENTS	RAC
2	04/02/2021	CT DPH COMMENTS	PMP
3	06/15/2021	CT DPH COMMENTS	RAC
4	12/07/2021	PVC COMMENTS	PMP

DATE: 11/20/2020  
SCALE: 1" = 40'  
PROJECT: #2019160

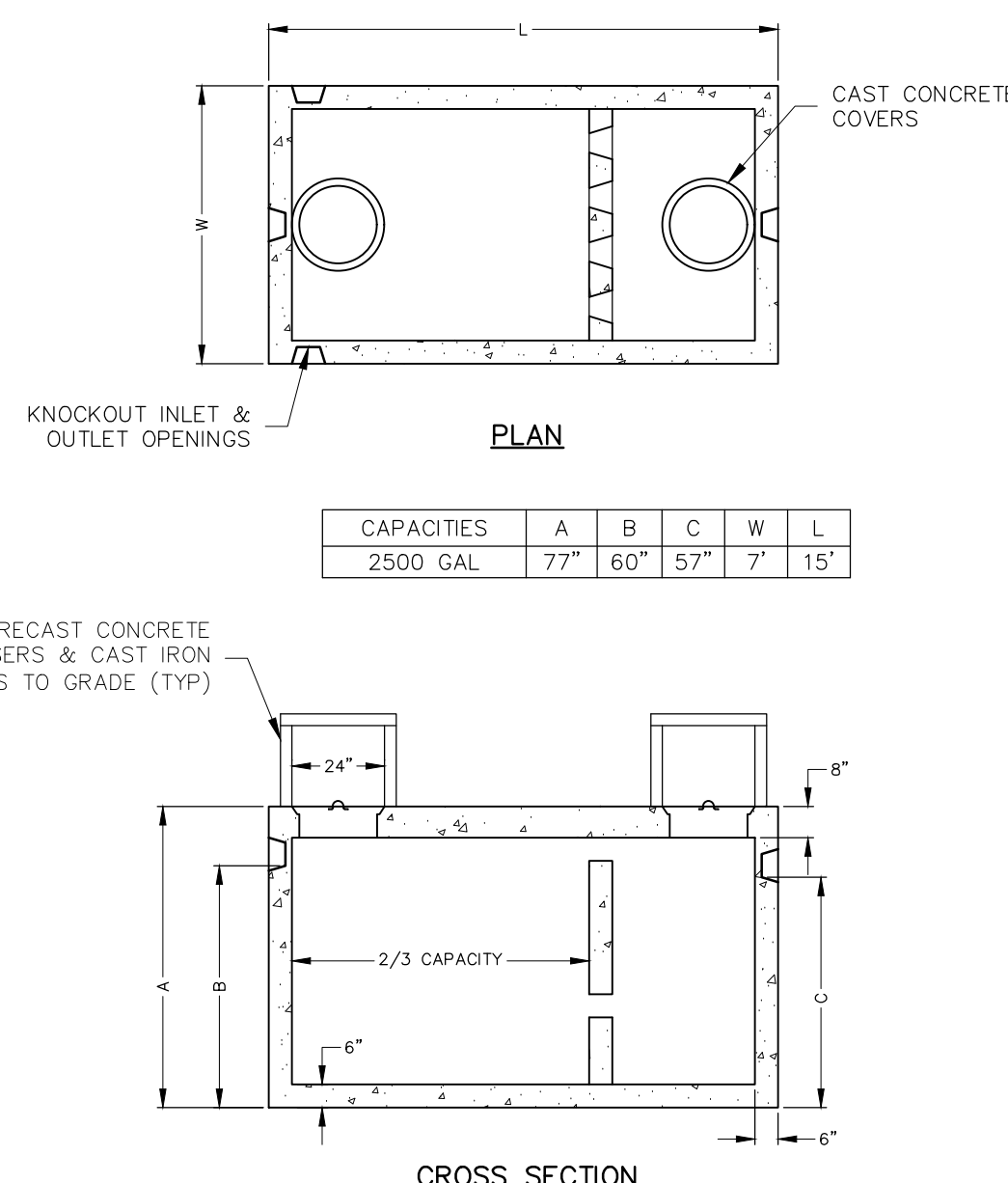




**STANDARD SANITARY MANHOLE DETAIL**  
NOT TO SCALE

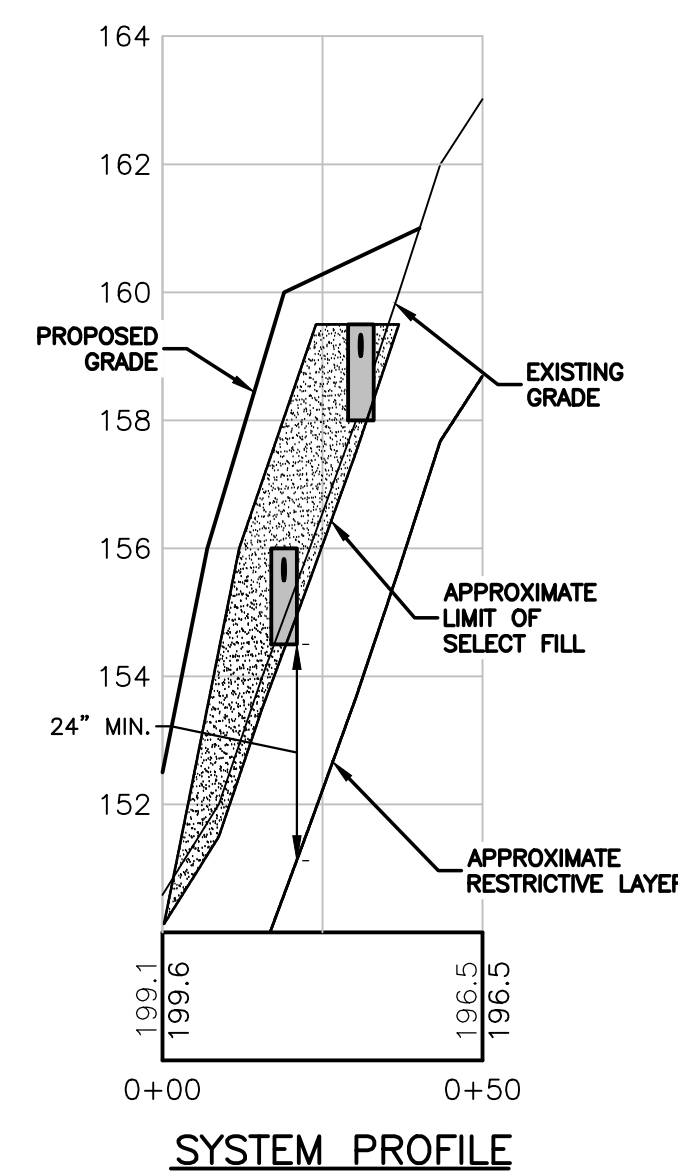


**DETAIL "A"**

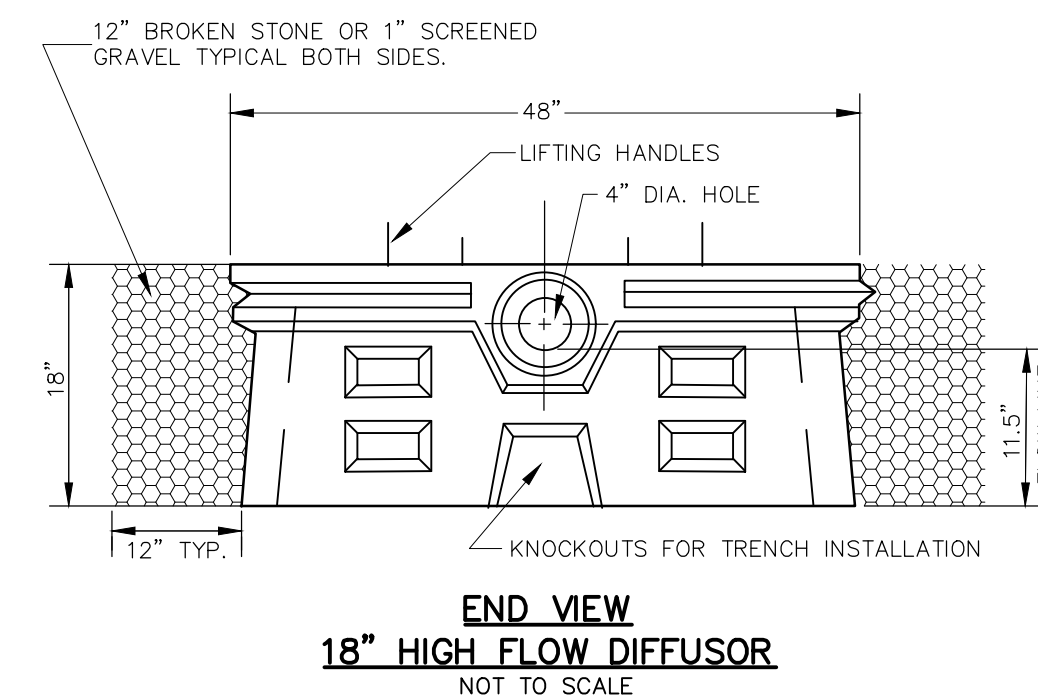


**2 COMPARTMENT H2O RATED SEPTIC TANK**  
NOT TO SCALE

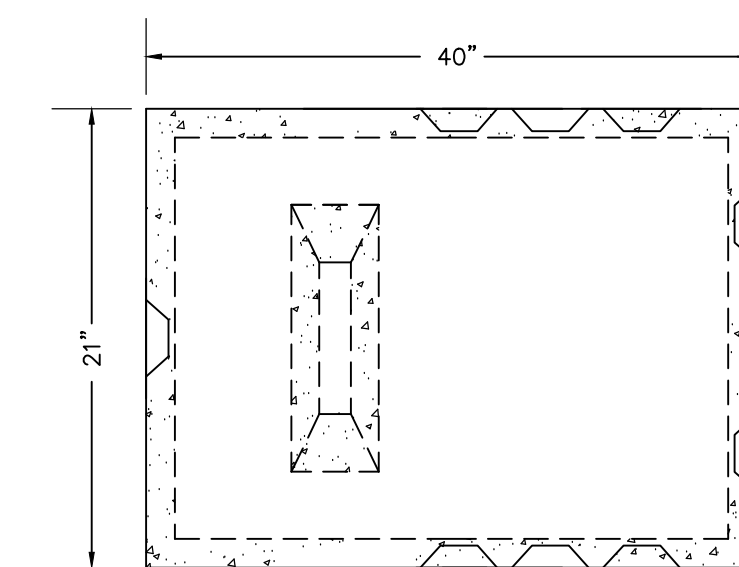
NOTE: PROVIDE INLET BAFFLE & OUTLET FILTER AS REQUIRED BY HEALTH CODE



**SYSTEM PROFILE**

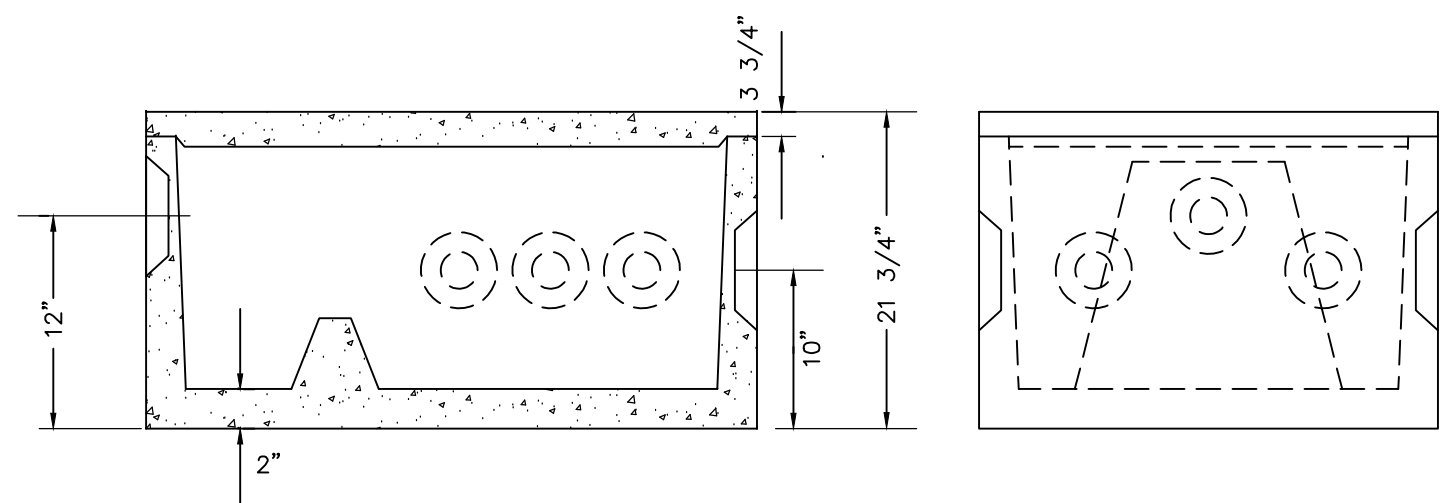


**END VIEW 18" HIGH FLOW DIFFUSOR**  
NOT TO SCALE

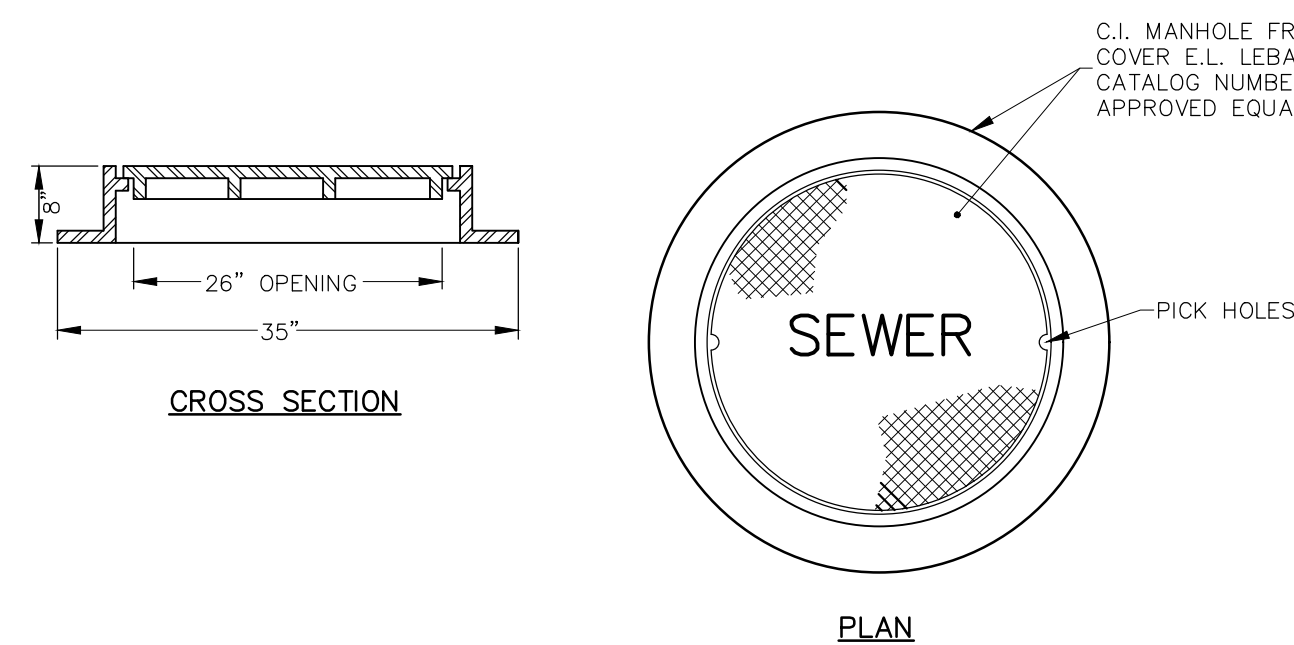


**DESIGN NOTES**

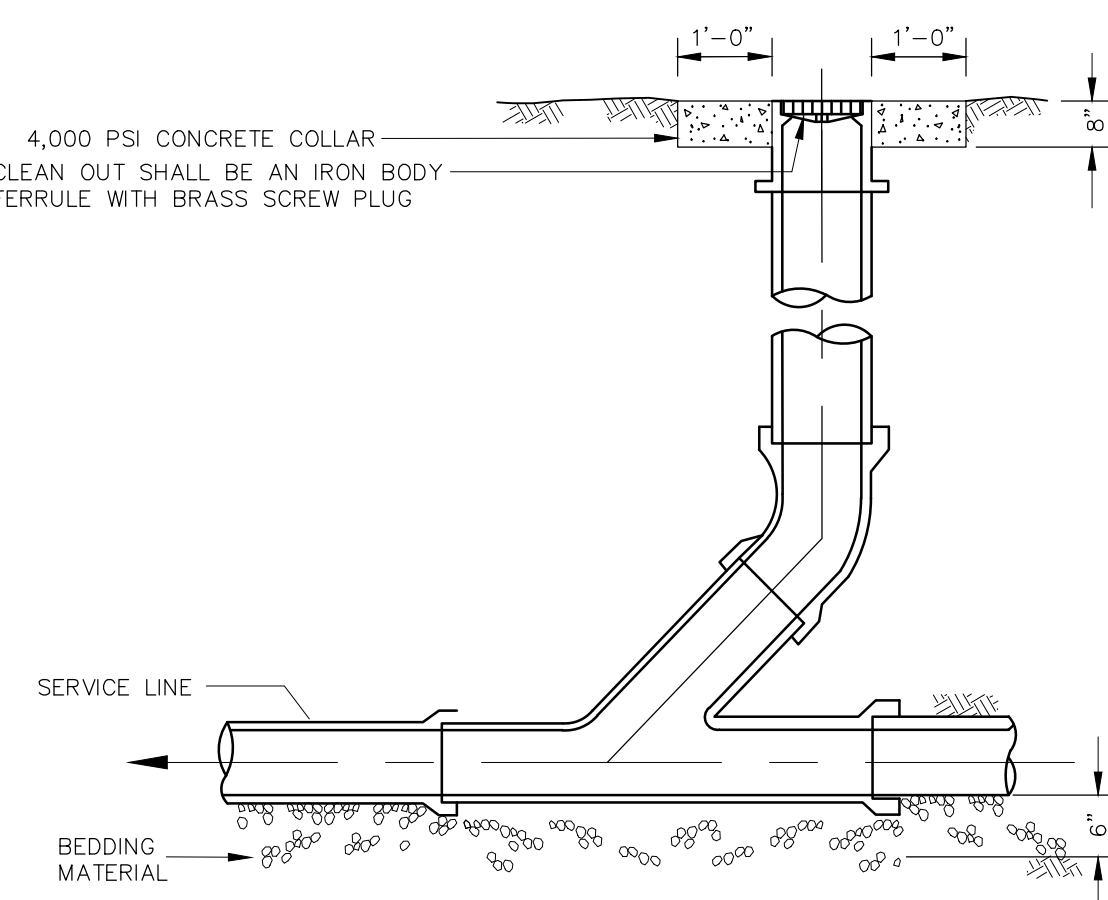
- 1) EIGHT OUTLETS AND THREE INLETS
- 2) INLET AND OUTLETS HAVE STATE APPROVED SEALS THAT ACCEPT 4" 5'-40, 4" 50R-35, 3" AND 2" PIPE
- 3) REINFORCED WITH #3 BARS
- 4) CONCRETE STRENGTH 4000 PSI MIN 28 DAYS



**DISTRIBUTION BOX /W BAFFLE**  
NOT TO SCALE



**FRAME AND COVER**  
NOT TO SCALE



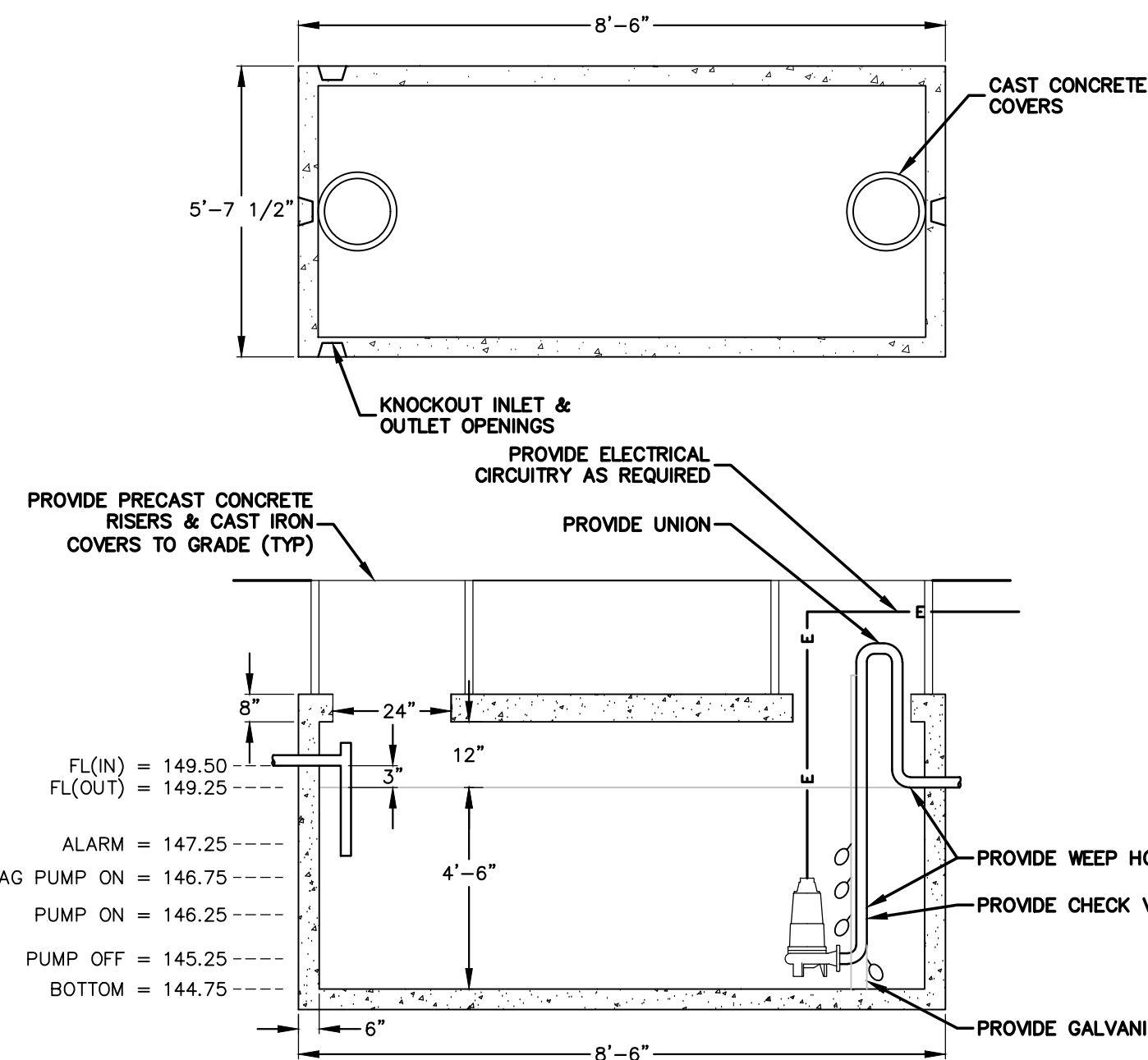
**STANDARD CLEAN-OUT DETAIL**  
NOT TO SCALE

**SEPTIC SYSTEM FILL MATERIAL SPECIFICATIONS**

- 1) THE FILL SHALL NOT CONTAIN ANY MATERIAL LARGER THAN THREE(3) INCHES.
- 2.) UP TO 45% OF THE DRY WEIGHT OF THE REPRESENTATIVE SAMPLE MAY BE RETAINED ON THE #4 SIEVE (THIS IS THE GRAVEL PORTION OF THE SAMPLE).
- 3.) THE MATERIAL THAT PASSES THE #4 SIEVE IS THEN REWEIGHED AND THE SIEVE ANALYSIS STARTED
- 4.) THE REMAINING SAMPLE SHALL MEET THE FOLLOWING GRADATION CRITERIA.

SIEVE SIZE	WET SIEVE	DRY SIEVE
#4	100%	100%
#10	70%-100%	70%-100%
#40	10%-50%	10%-75%
#100	0%-20%	0%-5%
#200	0%-5%	0%-2.5%

\*NOTE: PERCENT PASSING THE #40 SIEVE CAN BE INCREASED TO NO GREATER THAN 75% IF THE PERCENT PASSING THE #100 SIEVE DOES NOT EXCEED 10% AND THE #200 DOES NOT EXCEED 5%



**1000 GALLON H-20 RATED PUMP CHAMBER**  
NOT TO SCALE

**BASIS OF DESIGN:**

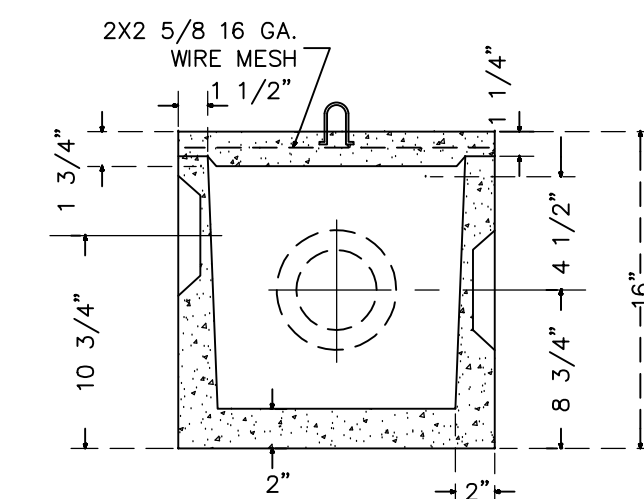
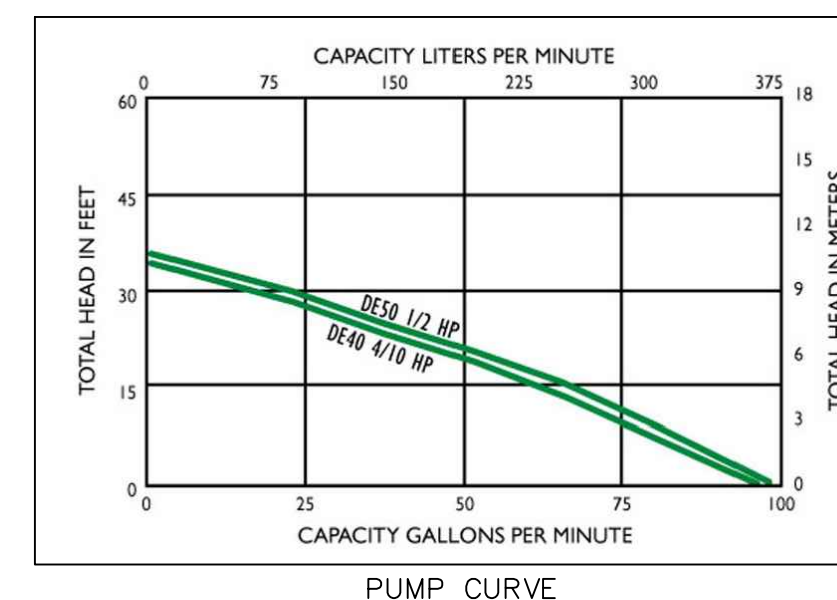
DAILY DESIGN FLOW = ±1,500 GPD (24 SITES AT 62.3 GPD)  
PUMP CHAMBER:  
DOSE VOLUME = ±250 GALLONS  
EMERGENCY STORAGE = ±500 GALLONS

**PUMP CHAMBER:**

JOLLEY PRECAST 1,000 GALLON H2O LOADING SINGLE COMPARTMENT SEPTIC TANK CAPACITY PER FOOT OF DEPTH = 4.625x7.5x7.48 = 259.5 GAL./FT.  
INSIDE DIMENSIONS OF CHAMBER = 4.625' WIDE X 7.5' LONG X 4.5' HIGH X 7.48 = 1,167.6 GALLONS

**PUMP:**

DUPLIX PUMPS SHALL BE MYERS CONTINUOUS DUTY STAINLESS STEEL PUMP MODEL DE40PC1 2" DISCHARGE ALTERNATING SYSTEM OR EQUAL AS APPROVED BY THE ENGINEER. DISCHARGE LINE SHALL BE INSTALLED WITH 4' OF COVER TO PREVENT FREEZING. ALARM SHALL BE LOCATED IN THE PAVILION BUILDING AND BE POWERED BY A CIRCUIT SEPARATE FROM THE CIRCUIT OF THE PUMP. THE ALARM SHALL BE LOCATED IN AN AREA WHERE IT WILL BE EASILY AUDIBLE. ELECTRICAL CONNECTIONS SHALL BE MADE IN CODE COMPLIANT ACCESS BOXES OUTSIDE OF THE PUMP CHAMBER. PUMP DISCHARGE LINE SHALL BE FITTED WITH UNION TO ALLOW EASY REMOVAL OF THE PUMPS WHEN TANK IS FULL.



**STANDARD D-BOX**  
NOT TO SCALE

**CONSTRUCTION SCHEDULE**

- 1) REMOVE AND STOCKPILE TOPSOIL.
- 2) PLACE SELECT FILL ACCORDING TO CT. STATE HEALTH CODE REQUIREMENTS.
- 3) EXCAVATE 4' WIDE TRENCHES AND PREPARE SURFACE.
- 4) FILL TRENCHES WITH APPROVED AGGREGATE TO HEIGHT OF PIPE INVERTS PLACE PIPE IN TRENCH AND FILL TO 2" OVER TOP OF PIPE.
- 5) CAP ENDS OF PIPES.
- 6) PLACE A 4" WIDE STRIP OF NON-WOVEN FILTER FABRIC ON TOP OF THE ENTIRE LENGTH OF THE SYSTEM AND BACKFILL WITH NATIVE MATERIAL.
- 7) REPLACE TOPSOIL, SEED & MULCH.

**CONSTRUCTION NOTES**

- 1) BOTTOM OF ALL TRENCHES AND LEACHING PIPE SHALL BE LEVEL THROUGHOUT UNDER NO CIRCUMSTANCES SHALL ANY PIPE IN A TRENCH HAVE A PITCH EXCEEDING 1" PER 50'.
- 2) PIPE BETWEEN THE HOUSE AND THE SEPTIC TANK SHALL BE SCHED. 40 ASTM D 1785 PVC THIS PIPE SHALL HAVE A MINIMUM SLOPE OF 0.25" PER 1'.
- 3) ALL DISTRIBUTION PIPES TO BE 4" PVC OR POLYETHYLENE PIPE AS SPECIFIED IN SEC. 19-13-B103, TABLE 5 OF THE CT. STATE HEALTH CODE.
- 4) ALL CONSTRUCTION SHALL BE IN CONFORMANCE WITH CT. STATE HEALTH CODE.
- 5) ALL TOPSOIL IN THE LOCATION OF THE PROPOSED SYSTEM SHALL BE REMOVED AND STOCKPILED PRIOR TO EXCAVATION.
- 6) FILL MATERIAL FOR SEPTIC AREA IS TO BE SELECT FILL PER CT. STATE HEALTH CODE SPECIFICATIONS.
- 7) SEPTIC TANKS AND DISTRIBUTION BOXES SHALL BE PLACED ON 6" COMPACTED GRAVEL BASE.
- 8) RESERVE LEACHING AREA TO BE OF EQUAL SIZE TO PRIMARY LEACHING AREA.



SITE DEVELOPMENT PLAN  
PREPARED FOR

DAVID NOWAKOWSKI  
15 KENYON ROAD  
LISSON, CONNECTICUT

CONSTRUCTION DETAILS

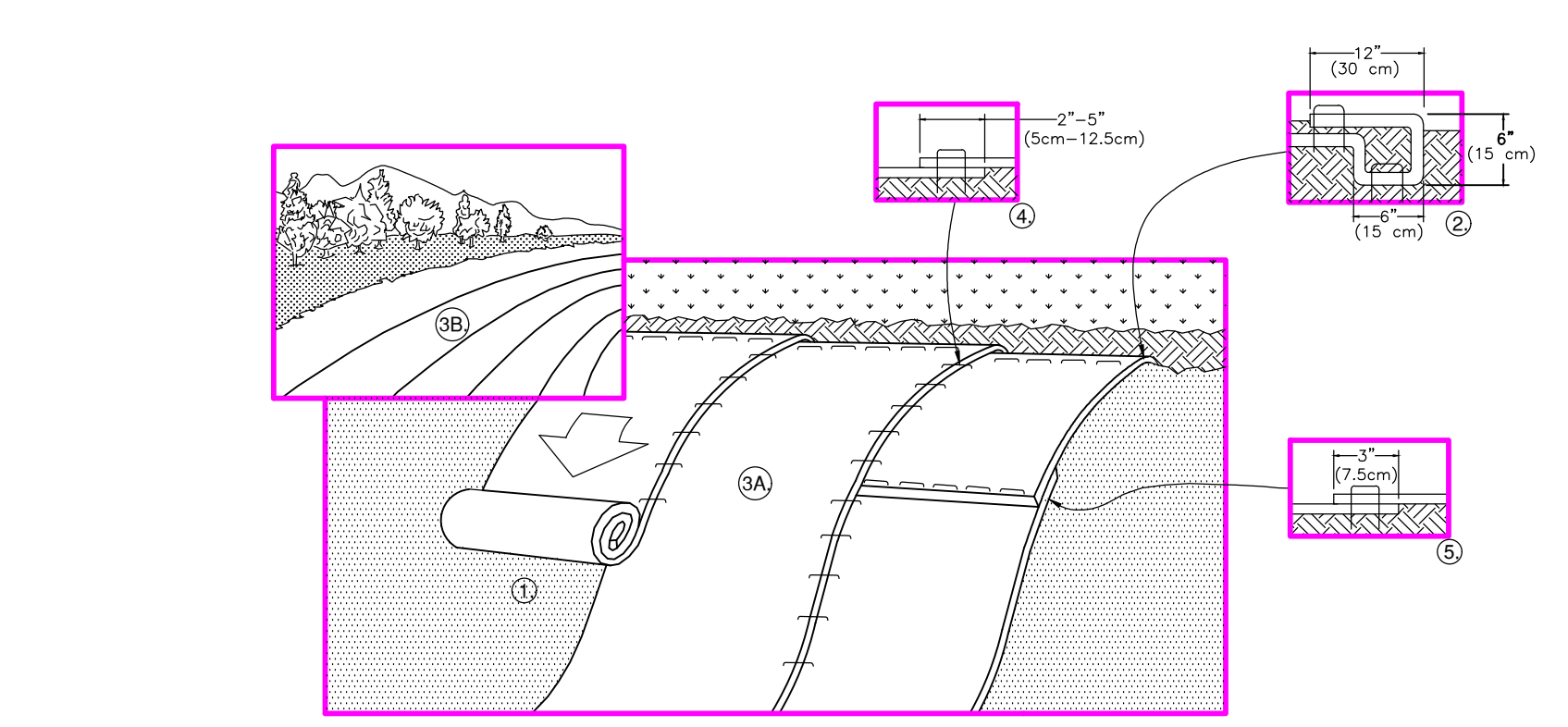
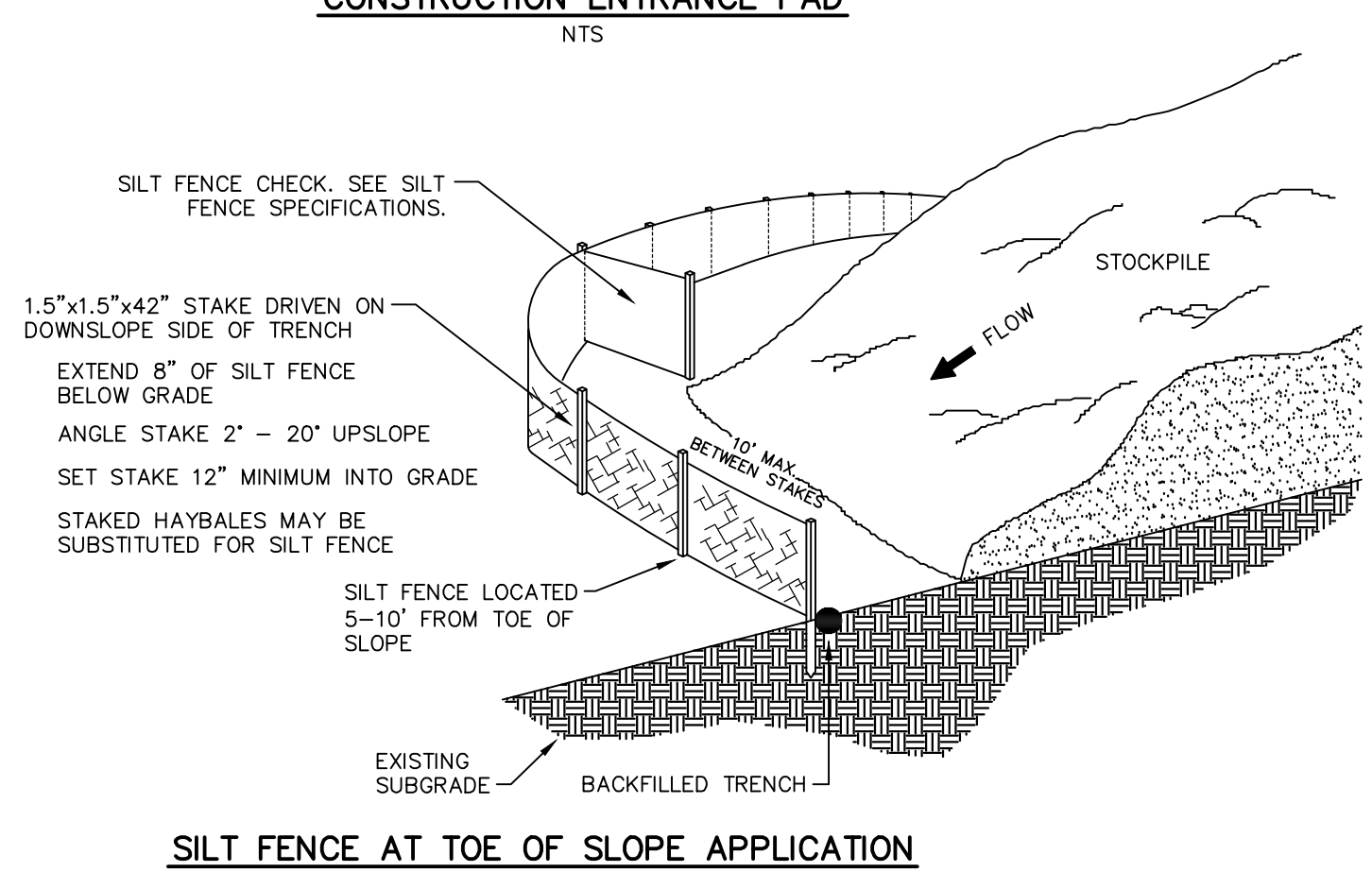
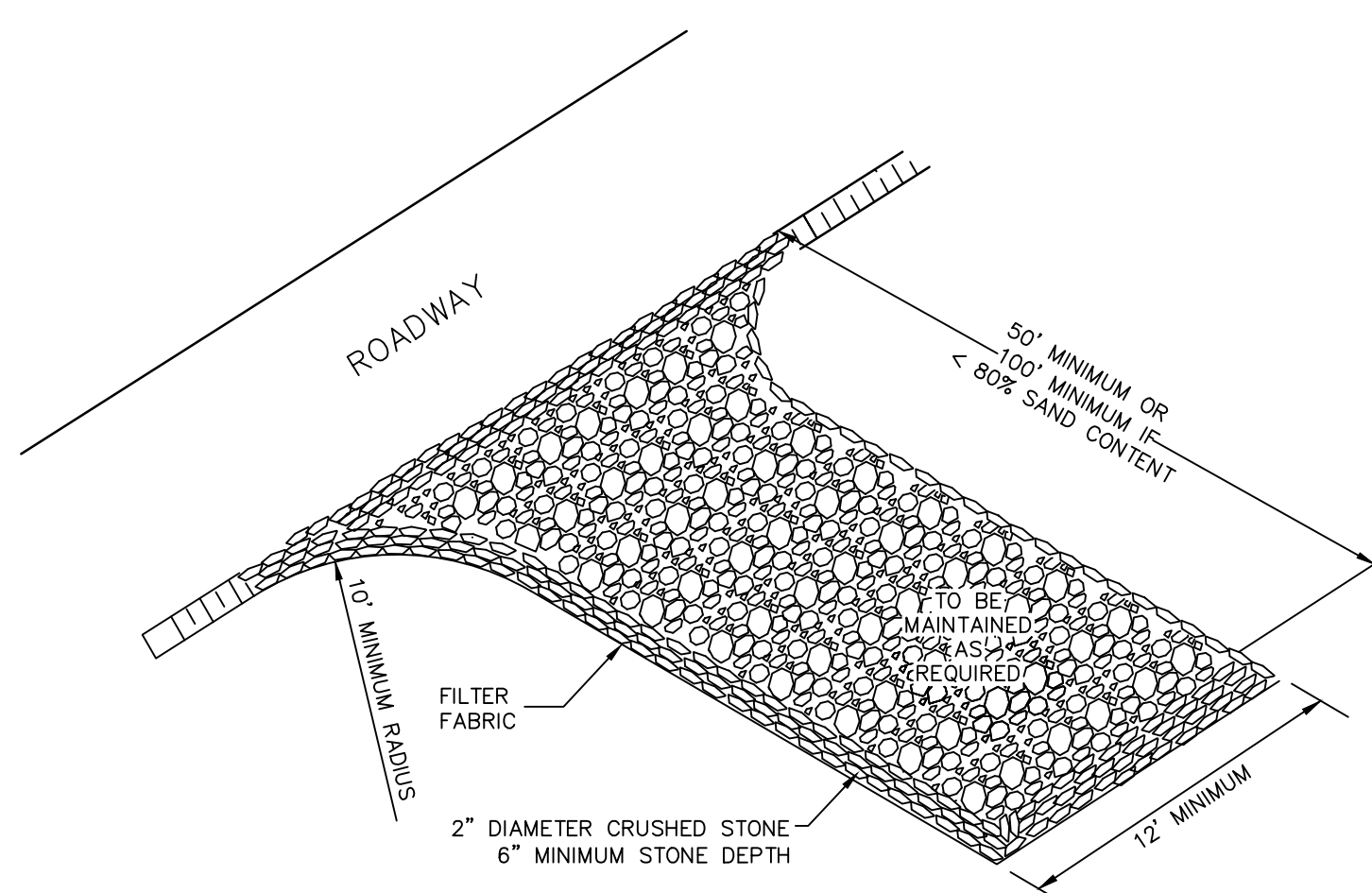
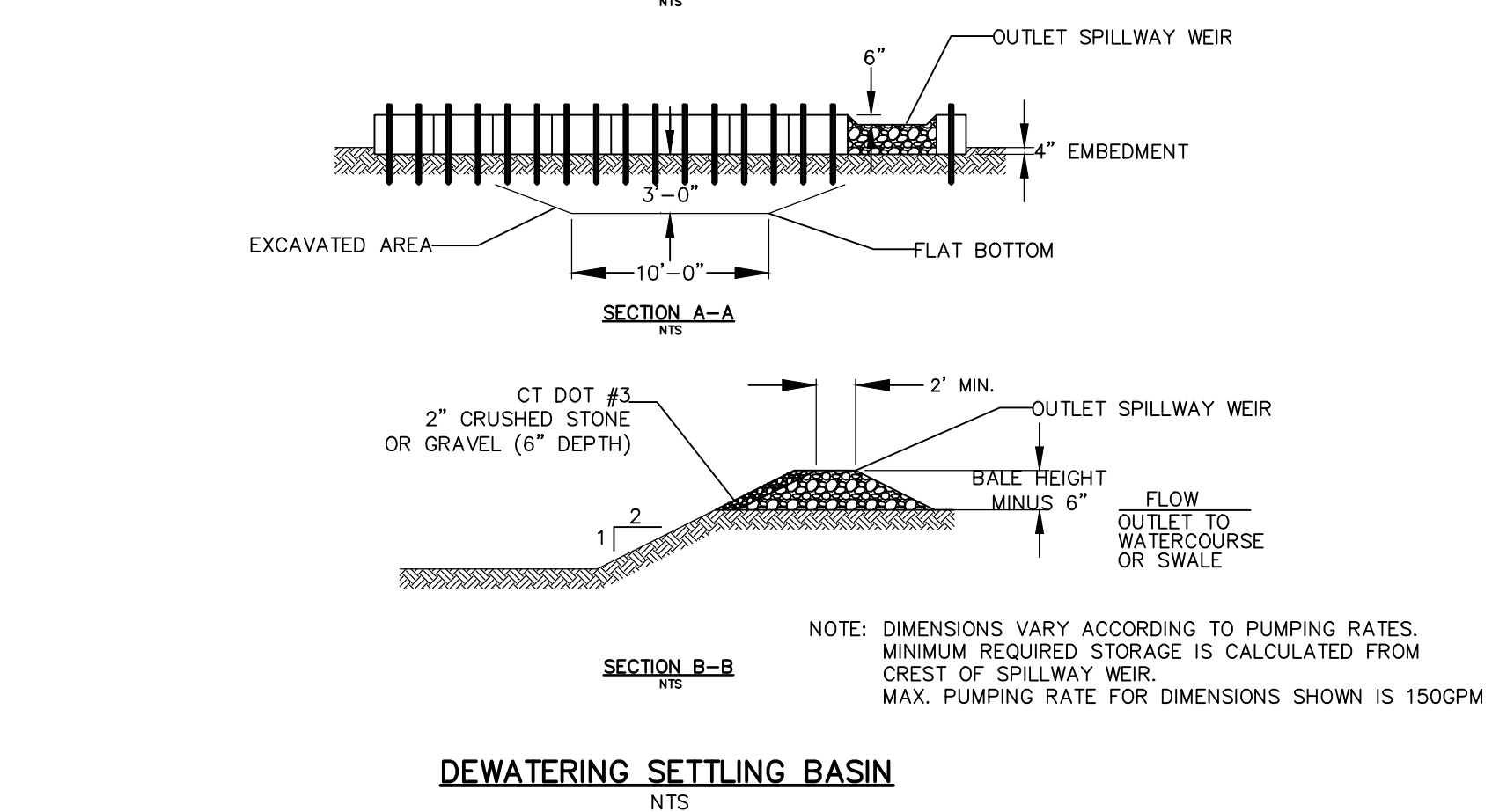
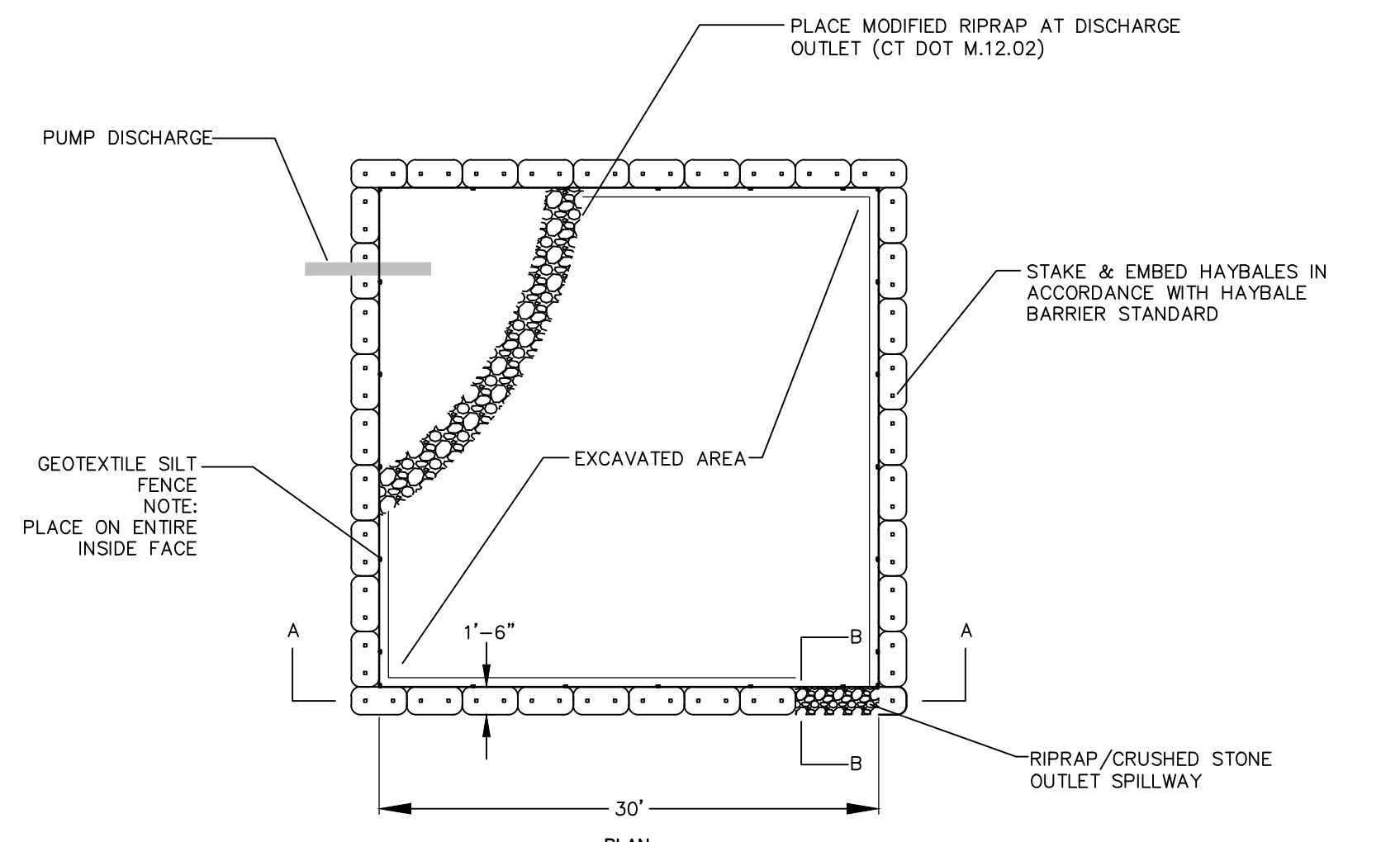
NO.	DATE	DESCRIPTION	BY
1	02/10/2021	HEALTH COMMENTS	RAC
2	04/02/2021	CT DPH COMMENTS	PMP
3	06/15/2021	CT DPH COMMENTS	RAC
4	12/07/2021	P/C COMMENTS	PMP

DATE: 11/20/2020  
SCALE: 1" = 40'

PROJECT: #2019160



EROSION AND SEDIMENTATION CONTROL DETAILS

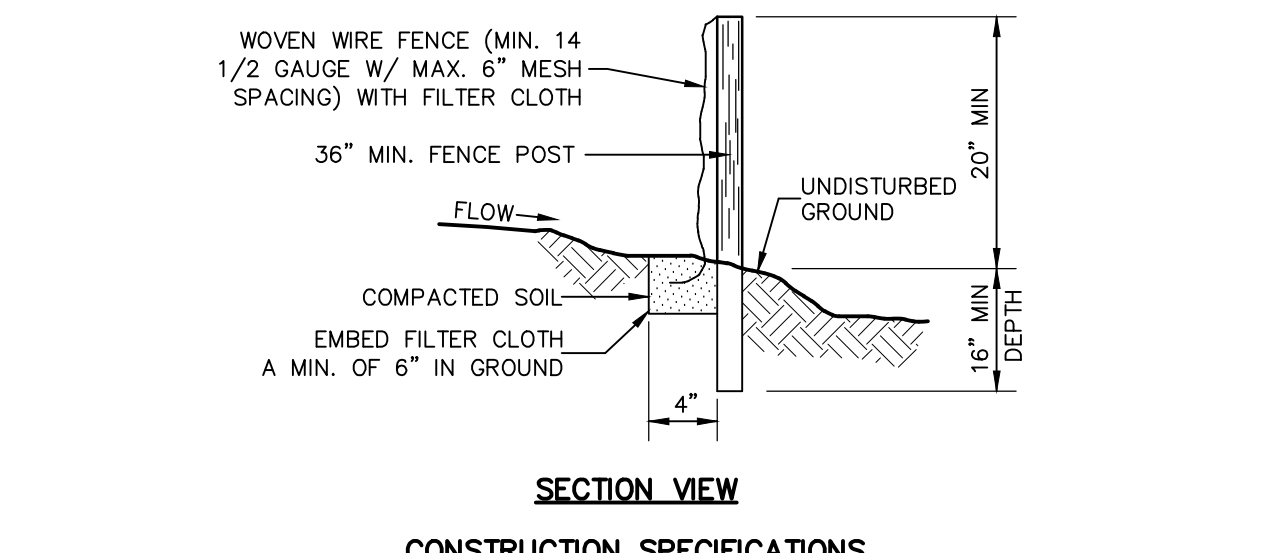
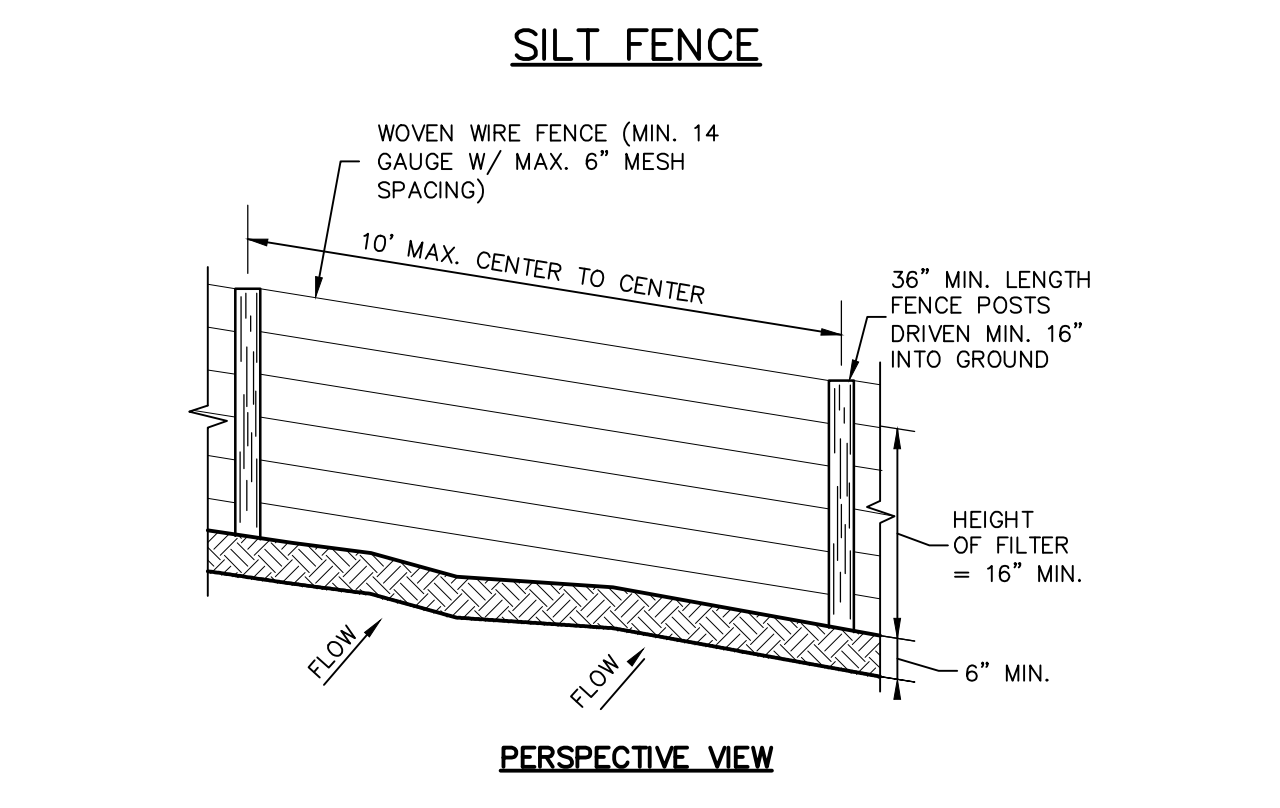


1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" DEEP X 6" WIDE TRENCH WITH APPROXIMATELY 12" OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" APART ACROSS THE WIDTH OF THE BLANKET.
3. ROLL THE BLANKETS (A) DOWN OR (B) HORIZONTALLY ACROSS THE SLOPE. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. (STAPLE PATTERN DEPICTED IS SCHEMATIC ONLY. SEE MANUFACTURER'S LITERATURE FOR REQUIRED STAPLE PATTERNS.)
4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2"-5" OVERLAP DEPENDING ON BLANKET TYPE.
5. CONSECUTIVE BLANKETS SPUNCHED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART ACROSS ENTIRE BLANKET WIDTH.

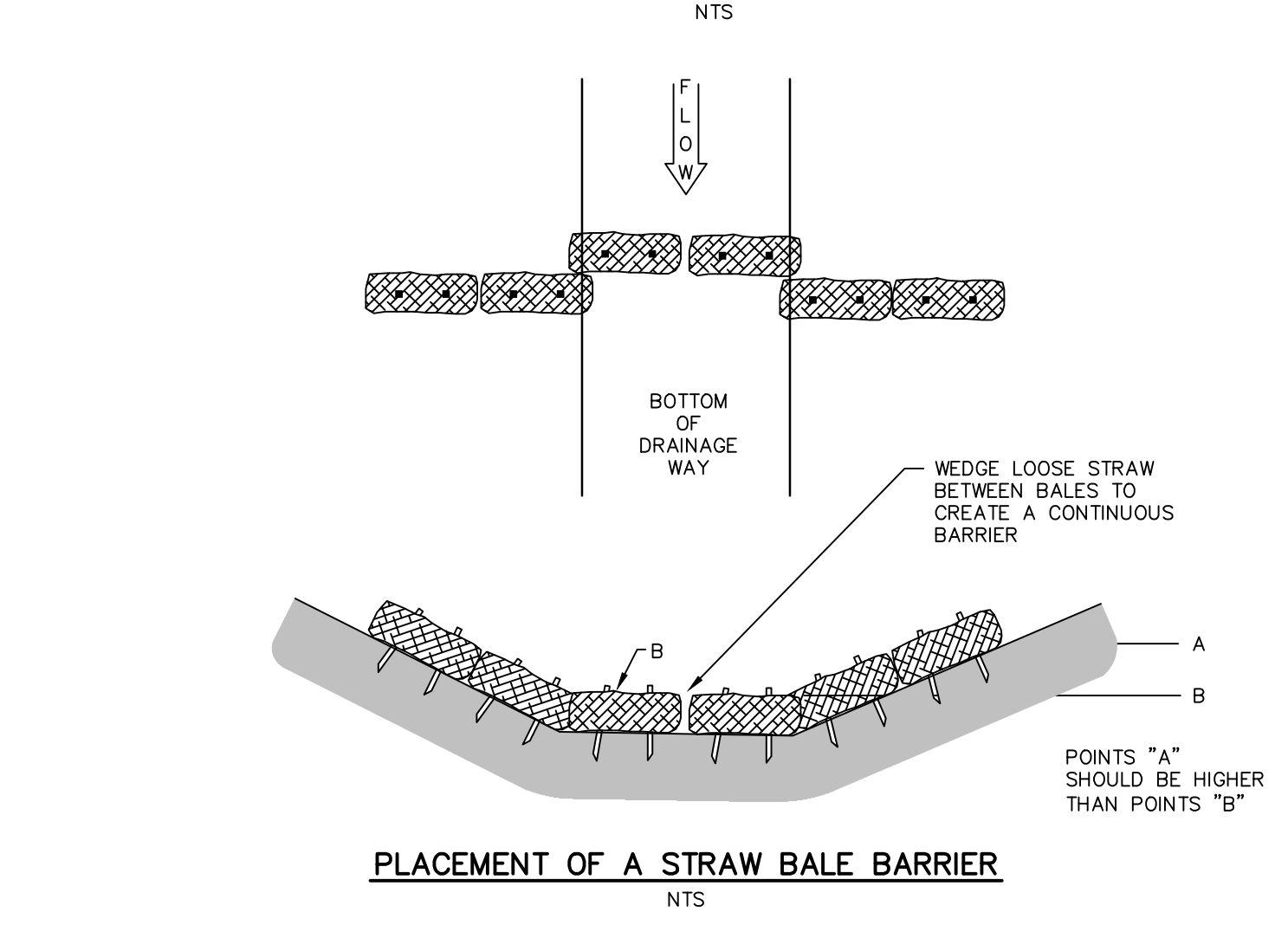
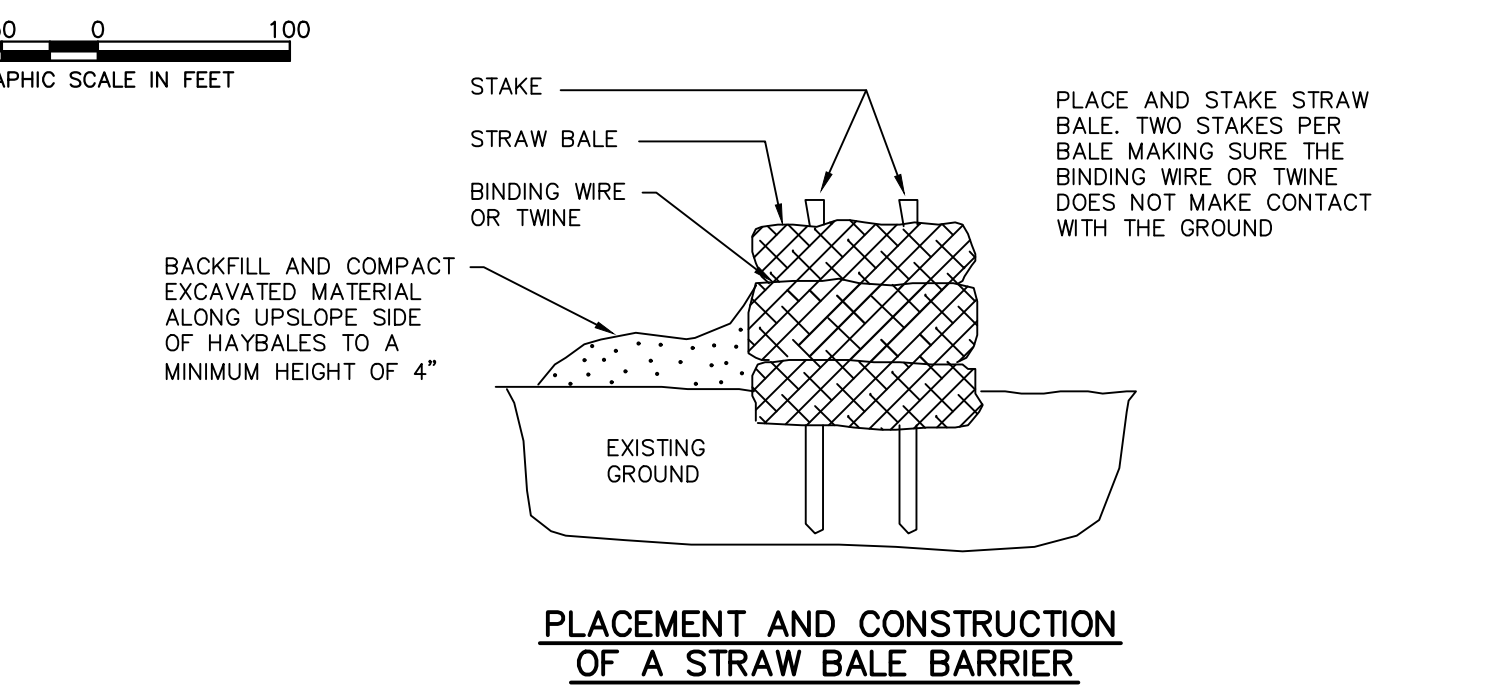
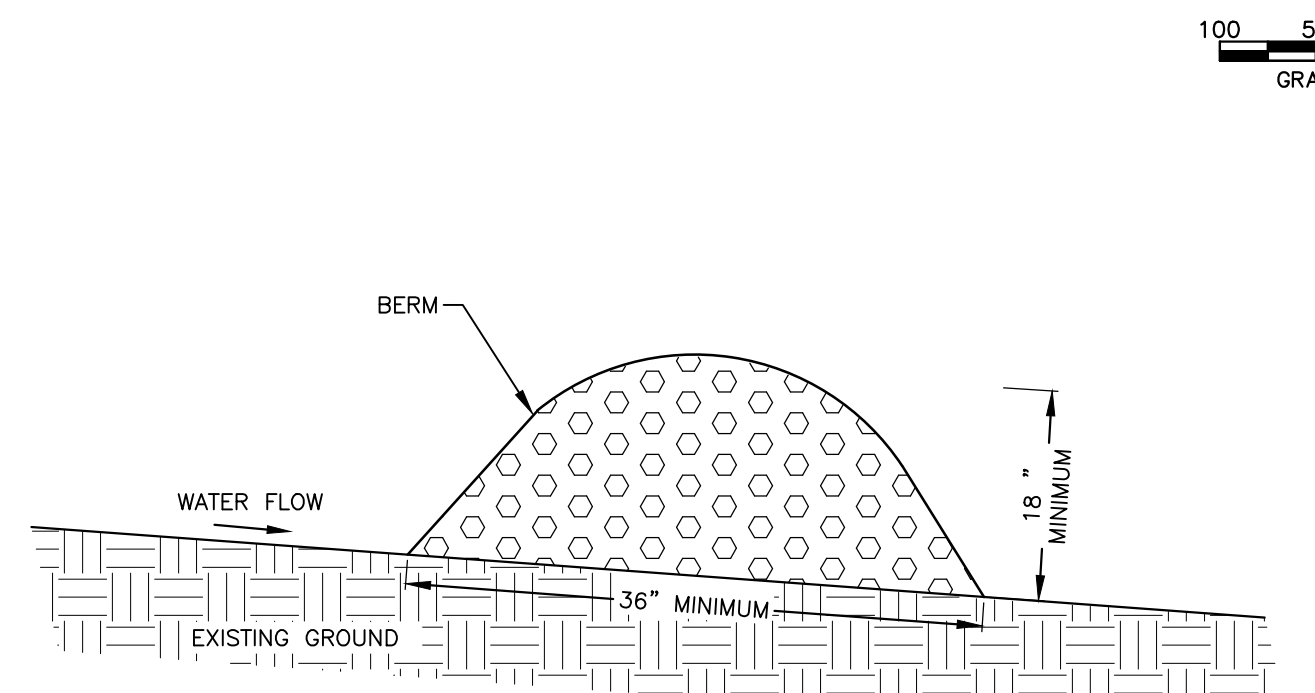
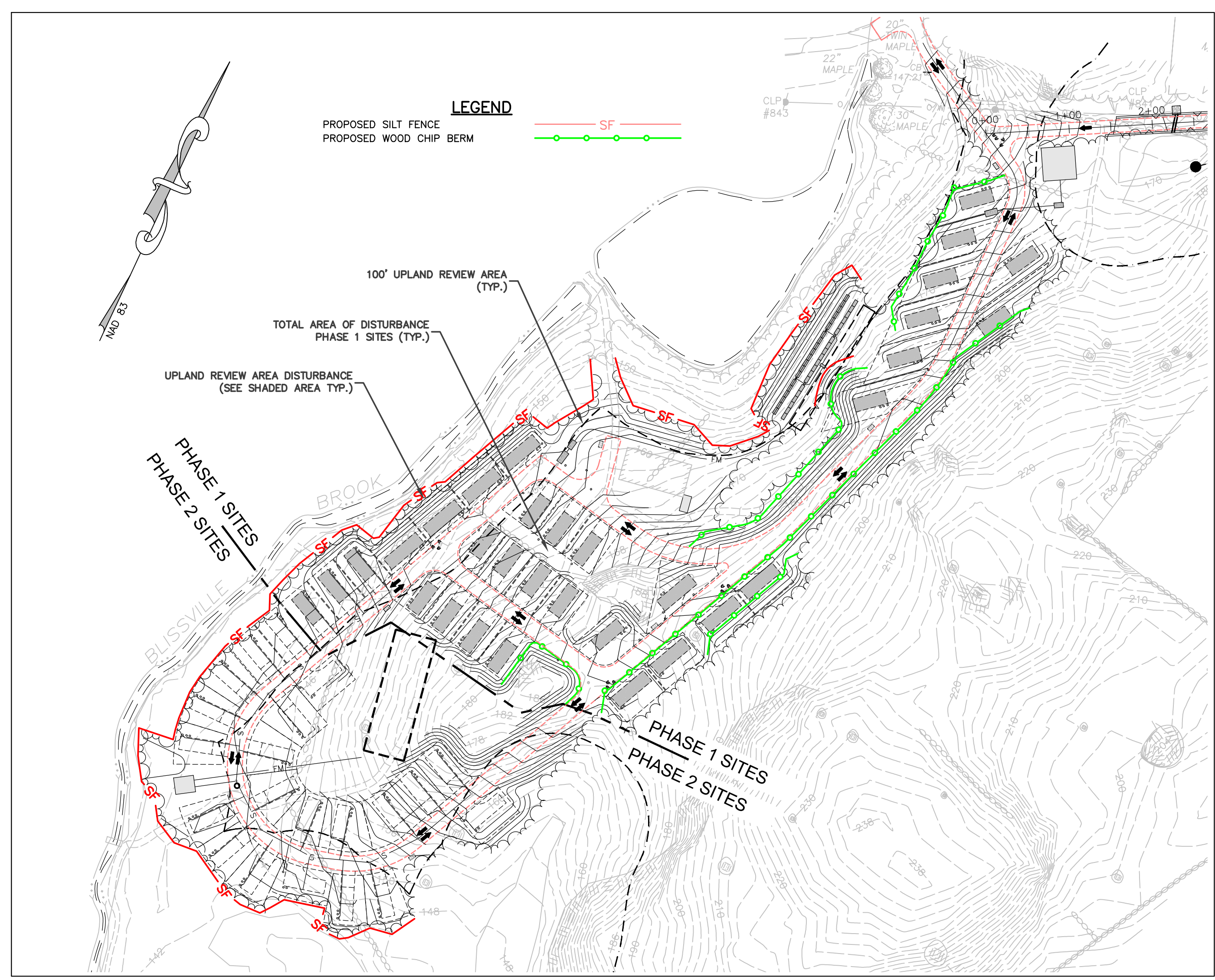
CRITICAL POINTS  
A. OVERLAPS & SEAMS  
B. PROJECTED WATER LINE  
C. CHANNEL BOTTOM/SIDE SLOPE VERTICES

- NOTES:
1. HORIZONTAL STAPLE SPACING SHOULD BE ALTERED IF NECESSARY TO ALLOW STAPLES TO SECURE THE CRITICAL POINTS ALONG THE CHANNEL SURFACE.
  2. IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS IN EXCESS OF 6" (15 CM) MAY BE NECESSARY TO PROPERLY ANCHOR THE BLANKETS.

EROSION CONTROL BLANKET  
NTS



- CONSTRUCTION SPECIFICATIONS
1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES, POSTS SHALL BE STEEL EITHER "T" OR "U" TYPE OR HARDWOOD.
  2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION, FENCE SHALL BE WOVEN WIRE, 6" MAXIMUM MESH OPENING.
  3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER-LAPPED BY SIX INCHES AND FOLDED, FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILNKA T140N, OR APPROVED EQUIVALENT.
  4. PREFABRICATED UNITS SHALL BE GEOTAB, ENVROFENCE, OR APPROVED EQUIVALENT.
  5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.



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**CIA**

SITE DEVELOPMENT PLAN  
PREPARED FOR  
**DAVID NOWAKOWSKI**  
15 KENYON ROAD  
LISBON, CONNECTICUT

EROSION AND SEDIMENTATION CONTROL DETAILS

JOB DATA		REVISIONS			
NO.	DATE	DESCRIPTION	BY	DATE	DESCRIPTION
1	02/10/2021	HEALTH COMMENTS	RAC		
2	04/02/2021	CT DPH COMMENTS	PMP		
3	06/15/2021	CT DPH COMMENTS	RAC		
4	12/07/2021	PTC COMMENTS	PMP		

DATE: 11/20/2020

SCALE: 1" = 20'

PROJECT: #2019160

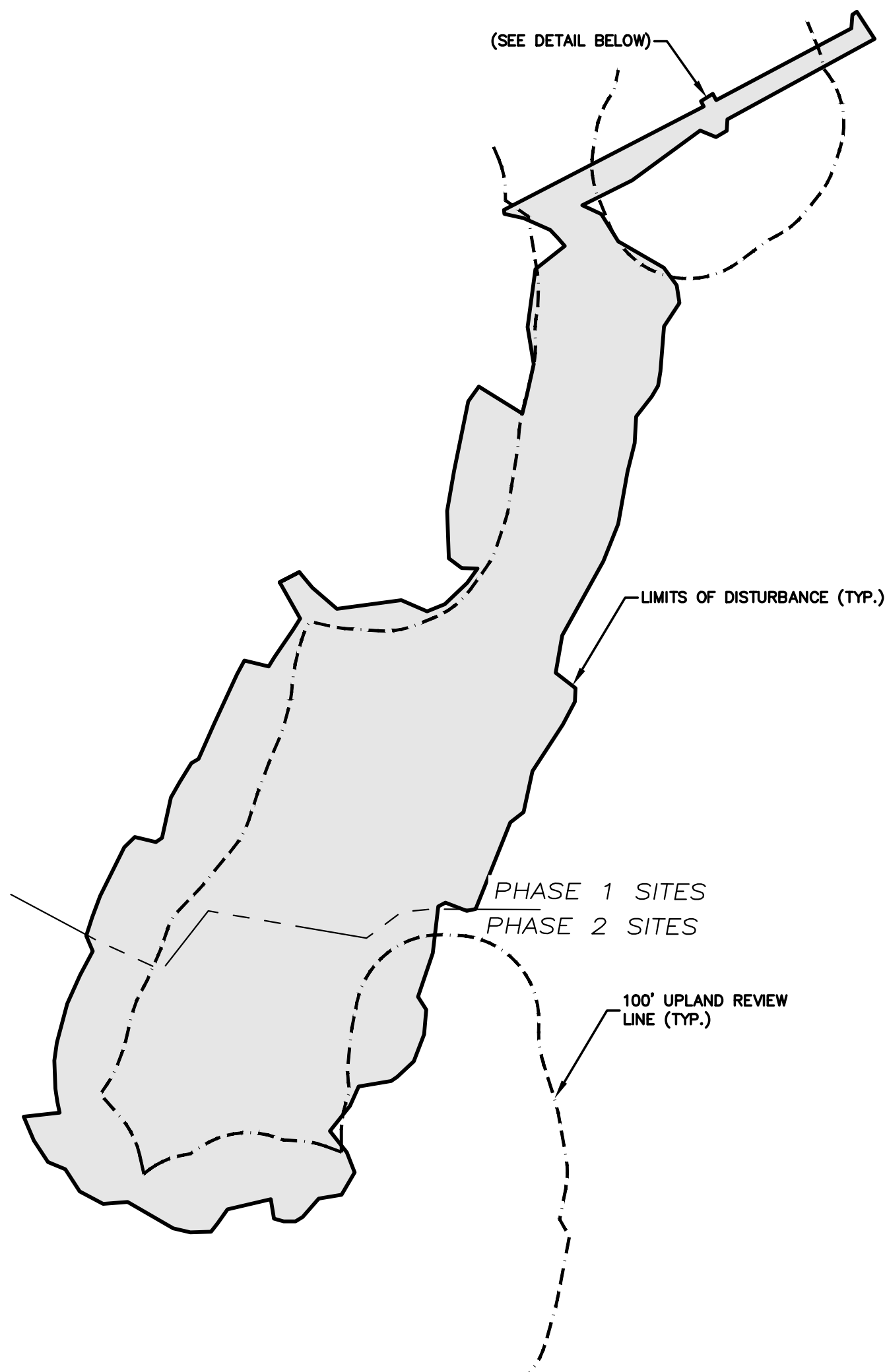
SHEET  
10 OF 12



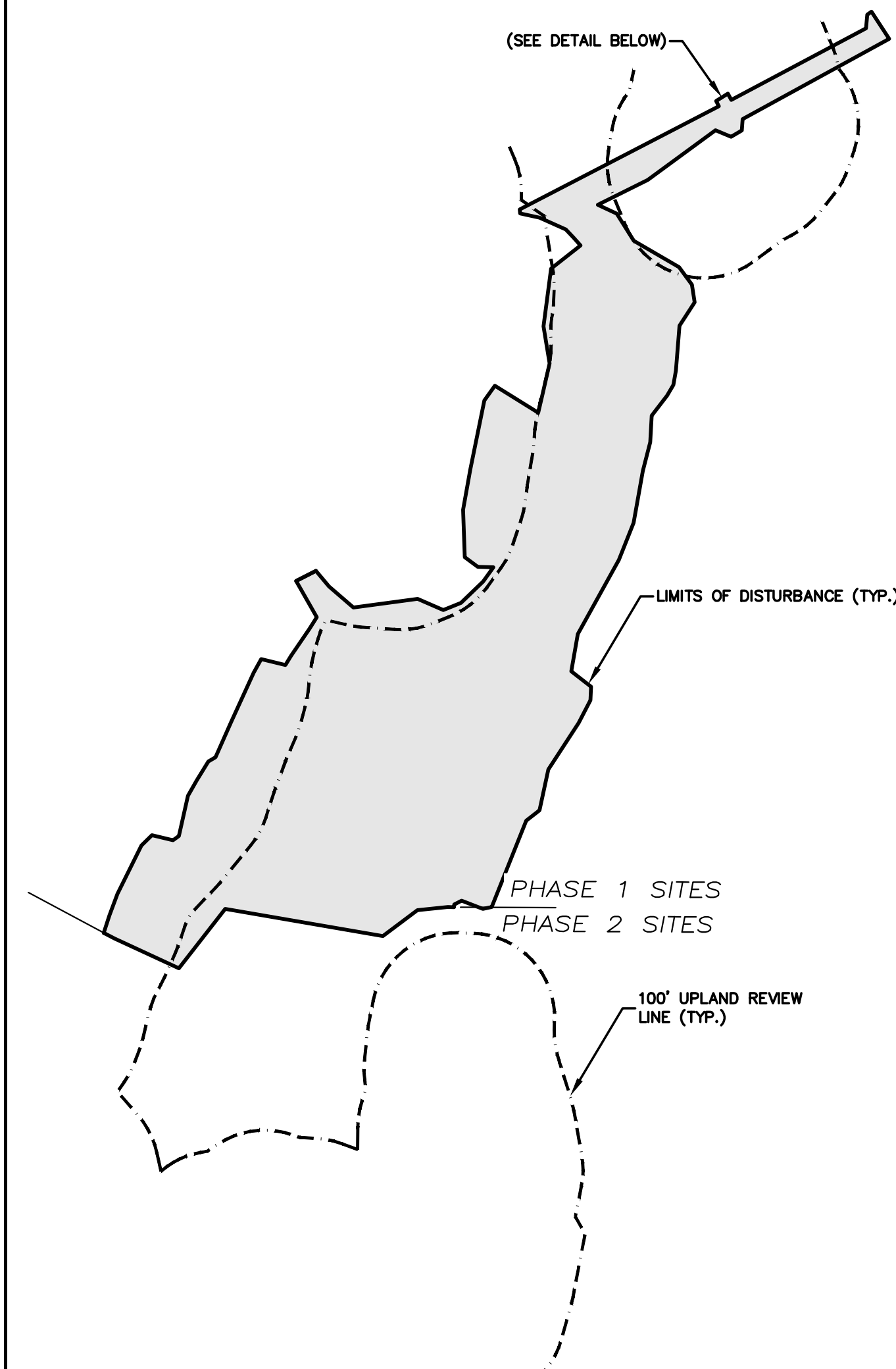




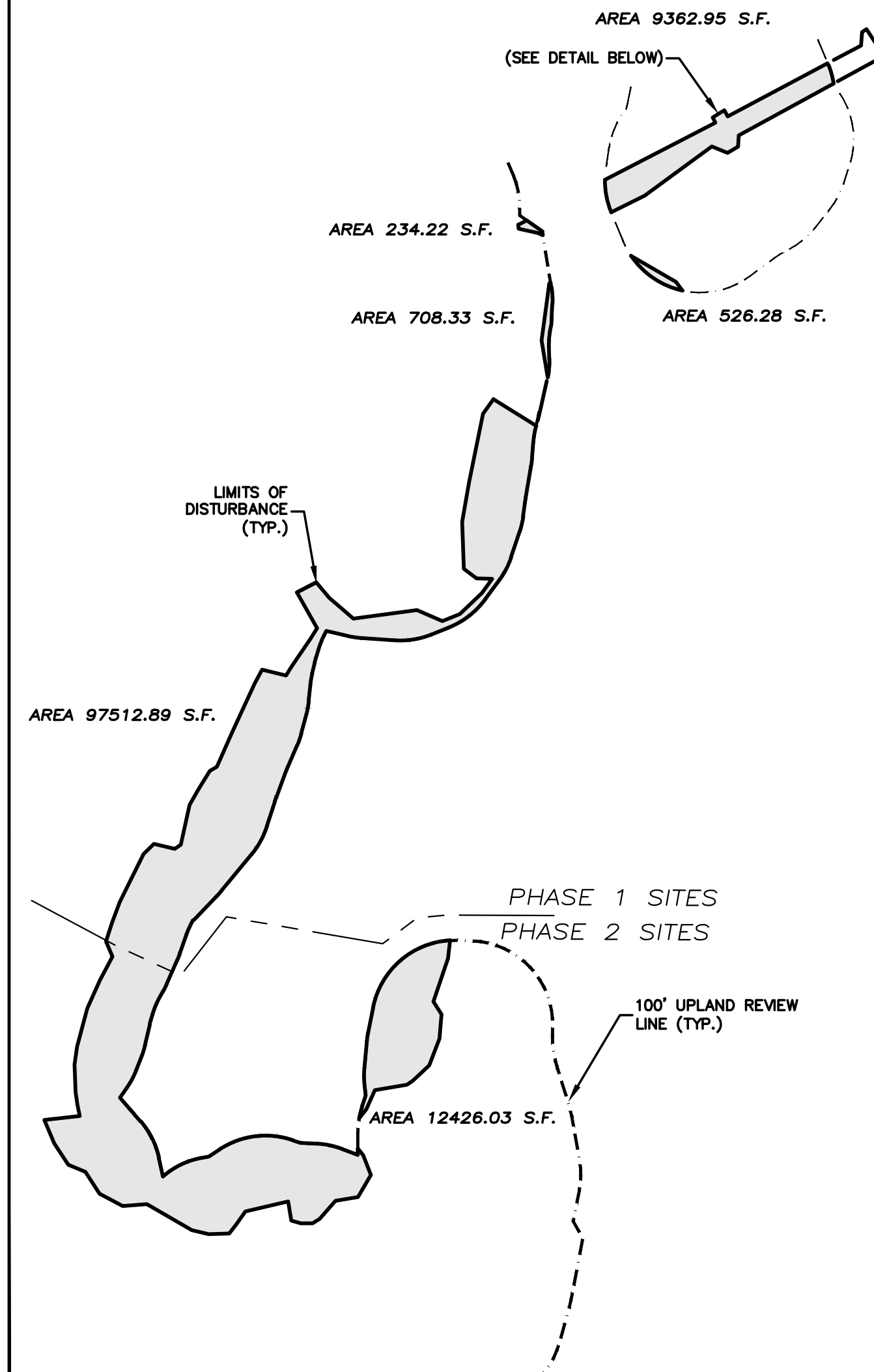
TOTAL AREA OF DISTURBANCE  
PHASE 1 & PHASE 2  
AREA 376075.95 S.F.



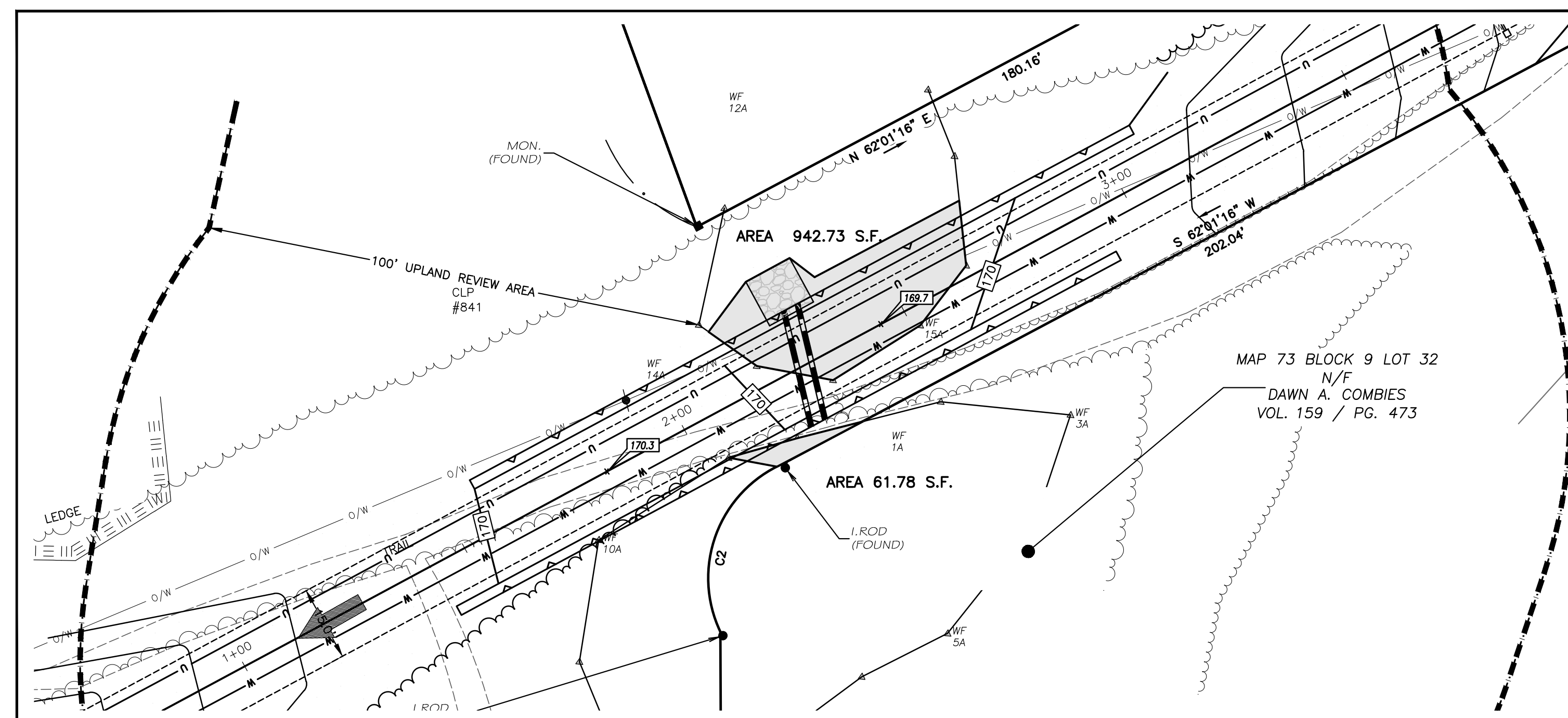
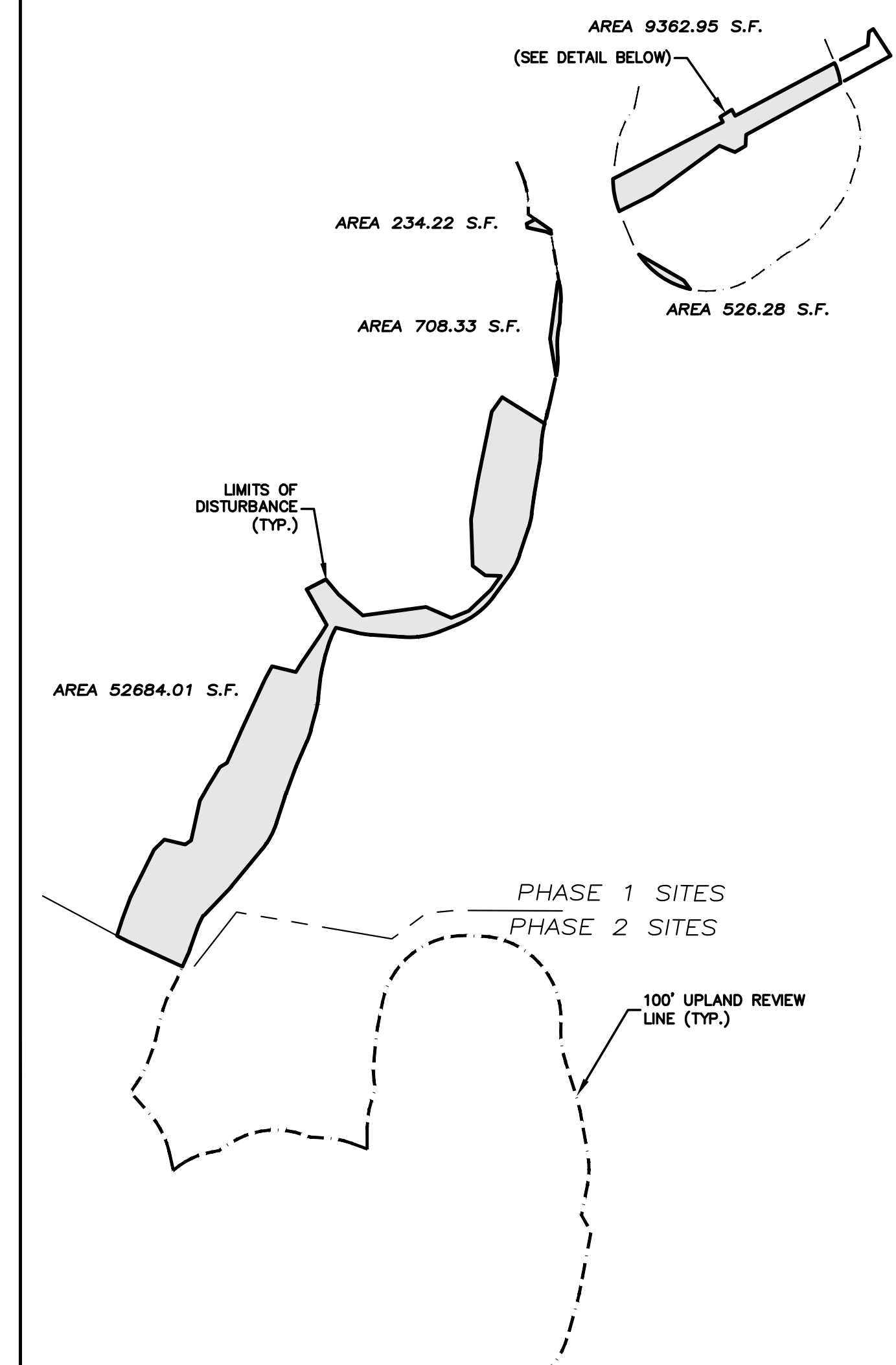
TOTAL AREA OF DISTURBANCE  
PHASE 1  
AREA 248764.38 S.F.



TOTAL AREA OF DISTURBANCE  
UPLAND REVIEW PHASE 1 & PHASE 2  
TOTAL AREA 120770.70 S.F.



TOTAL AREA OF DISTURBANCE  
UPLAND REVIEW PHASE 1  
TOTAL AREA 63515.79 S.F.



WETLAND IMPACT AREA DETAIL  
TOTAL AREA 1084.82 S.F.



**LEGEND**

PROPERTY LINE	———
ABUTTERS LINE	———
EDGE OF PAVEMENT	———
EDGE OF GRAVEL	———
EXISTING CONTOUR	———
STONE WALL	———
RETAINING WALL	———
LIMITS OF INLAND WETLANDS	———
FENCE	———
TREELINE	———
PROPOSED CLEARING LIMIT	———
PROP UNDERGROUND WATER	———
PROP UNDERGROUND ELECTRIC	———
PROP UNDERGROUND CABLE/TV	———
PROP UNDERGROUND FUTURE UTILITY	———
FLOOD ZONE LIMIT	———
100' UPLAND REVIEW LINE	———
NOW OR FORMERLY UTILITY POLE	———
BOUNDARY POINT	●
IRON MONUMENT	■
STONE MONUMENT	■
TEST PIT	⊕
PERC HOLE	⊕

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SITE DEVELOPMENT PLAN  
PREPARED FOR  
**DAVID NOWAKOWSKI**  
15 KENYON ROAD  
LISBON, CONNECTICUT

**IMPACT ESTIMATES**

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JOB DATA		REVISIONS			
NO.	DATE	DESCRIPTION	BY	DATE	DESCRIPTION
PROJECT	2019160		RAC		
BOOK NO.	192	HEALTH COMMENTS	PMP	02/10/2021	
DESIGNED	KLD/PMP	CT DPH COMMENTS	RAC	04/02/2021	
DRAWN	ZBC/RAC	CT DPH COMMENTS	PMP	06/15/2021	
CHECKED	KLD	PZC COMMENTS	PMP	12/07/2021	
COCO FILE	2019160 ALL				
FILE	2019160_SDP.dwg				

DATE: 11/20/2020  
SCALE: 1" = 80'  
PROJECT: #2019160

SHEET  
12 OF 12