PBSD LOWER LS FORCE MAIN PROJECT

BAYFIELD COUNTY

SEC 22, T50N, R04W

PROJECT LOCATION

SHEET INDEX

1) TITLE -SHEET 1

2-3) DETAILS 2a, 2b

4) PLAN OVERALL X200

5) PLAN OVERALL AIR

6-8) PLAN; 3A, 3B, 3C X100

9-11) PLANS 3.1, 3.2, 3.3 X50

12) PROFILE PLAN

WISCONSIN RANDY M. LUND NO. 27719-006 WASHBURN, WI. PROFESSIONAL ENGINEER

LUND ENGINEERING

RANDY M. LUND, PE

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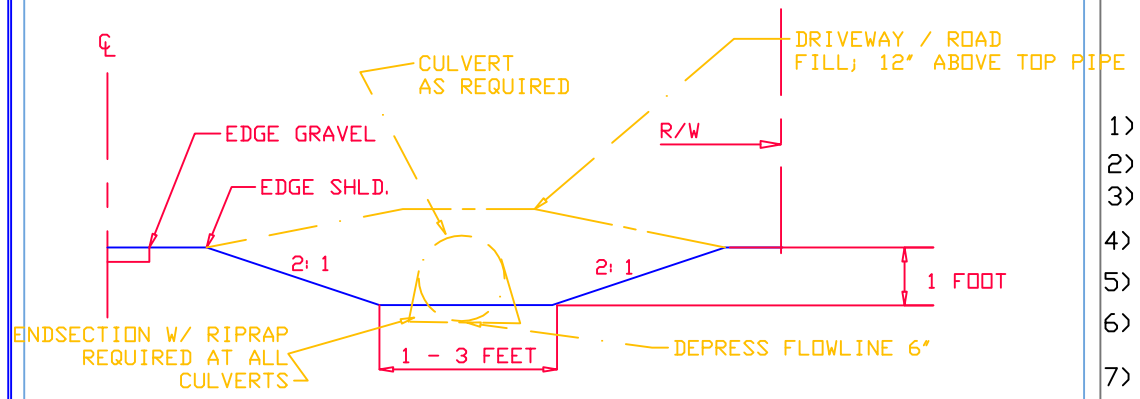
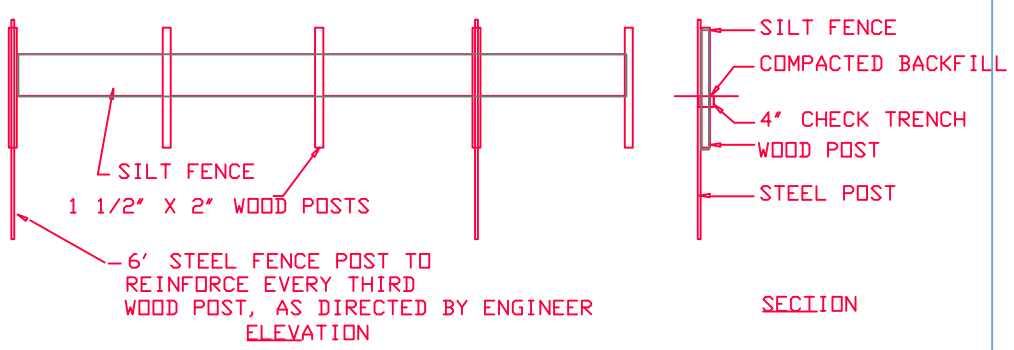
PROJ. NO. PBSD SEP2021 BAYFIELD		PROJECT PIKES BAY SANITARY DISTRICT LOWER LS –FORCE MAIN PROJECT	LUND ENGINEERING WASHBURN WI 54891	SHEET DESCRIPTION TITLE SHEET FORCE MAIN PROJECT
DRAWN BY RML	CHECKED BY RML			SHEET NUMBER 1
DATE 10JAN23	REVISIONS			

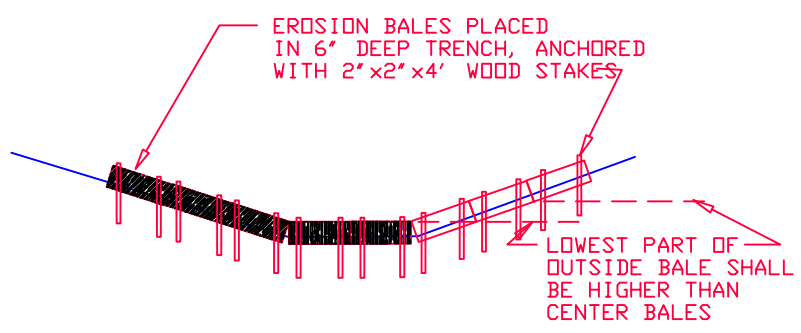


PRIVATE DRIVE (TYP. DITCH)

PLACE ROCK CHECK DAMS @ 500' (6" BREAKER RUN ROCK)
OR PER PLANS AND AS DIRECTED BY ENGINEER



SILT FENCE DETAIL



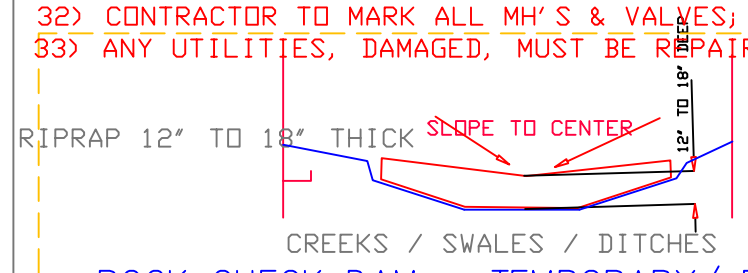
EROSION BALE DETAIL

ALTERNATE – COIR SOIL LOG TRAPS

1) SET BALES ON EDGE, NOT ON STRINGS
2) SET EDGE TO EDGE WITHOUT GAPS
3) PLACE IN DITCHES @ 300' SPACING

GENERAL NOTES

1) CONTRACTOR TO VERIFY UTILITIES
2) UTILITIES SHOWN MAY NOT BE COMPLETE
3) CONTRACTOR TO CALL "DIGGER'S HOTLINE" PRIOR TO CONSTRUCTION
4) ENGINEER TO BE NOTIFIED OF ANY PLAN DISCREPANCIES
5) ENGINEER TO BE NOTIFIED OF POTENTIAL CHANGE ORDERS
6) ENGINEER TO VERIFY ANY CHANGED CONDITIONS
7) DEWATERING BY CONTRACTOR TO MEET STATE LAWS
8) SURFACE WATER DIVERSION'S TO COMPLY WITH STATE LAW
9) ALL CONSTRUCTION DEBRIS TO BE DISPOSED OF, BY CONTRACTOR
10) CONTRACTOR TO NOTIFY ENGINEER; 3 DAYS BEFORE TESTING
11) CONTRACTOR TO NOTIFY ENGINEER; 3 DAYS BEFORE STAKING
12) ALL SIGNS SHALL BE REMOVED AND REPLACED BY CONTRACTOR
13) TRAFFIC CONTROL TO BE PLACED BY CONTRACTOR
14) CONTRACTOR TO MAINTAIN USE OF ALL MAIL BOXES
15) CONTRACTOR TO MAINTAIN TRAFFIC FLOW
16) AT WETLAND CROSSINGS; ALL WETLAND MATERIAL TO BE SALVAGED
17) REPLACE WETLAND MATERIAL 18-24" THICK @ UTILITY CROSSINGS, AS REQUIRED
18) CONTRUCTION MUST AVOID USE OF WETLAND AREAS
19) ALL EROSION CONTROL TO BE IN PLACE AT START
20) CONTRACTOR SHALL USE TRACKING PADS TO LIMIT MUD ON STREETS
21) CONTRACTOR TO CONTROL ALL SITE RUNOFF
22) CONTRACTOR TO RECORD ALL UNDERGROUND DATA
23) CONTRACTOR TO MEET ALL COUNTY REQUIREMENTS
24) WI DNR, DSPS, PBSD, DOT; COMPLIANCE AS REQUIRED
25) MEET WI DOT STD. SPEC. (HIGHWAY& STRUCT. CONST.)-2019
26) MEET STD. SPEC. FOR SEWER & WATER CONST. IN WI-6TH ADDITION
27) MINIMUM BURY = 8.0 FEET FOR PVC WATERMAIN / 7' FOR SEWER
28) WASHED STONE TRACKING PAD - REQUIRED AT SITE EXITS
29) TRACER WIRE 10 GAGE; REQUIRED FOR ALL NON-METALIC PIPE
30) ROADS & DRIVES TO BE REPLACED IN KIND / 3" MIN. ASPHALT
31) CONTRACTOR TO FOLLOW DNR TECH SPEC'S FOR EROSION CONTROL
32) CONTRACTOR TO MARK ALL MH'S & VALVES; WITH 6' STEEL POSTS
33) ANY UTILITIES, DAMAGED, MUST BE REPAIRED TO ENGINEER'S SATISFACTION



ROCK CHECK DAM – TEMPORARY/ PERMANENT

LEGEND

- EXIST STORM MANHOLE
- PROPOSED STORM MANHOLE
- EXIST INLET
- PROPOSED CATCHBASIN
- ELEC TEL UTILITY MANHOLE
- EXIST HYDRANT
- PROPOSED HYDRANT
- EXIST SANITARY MANHOLE
- PROPOSED SANITARY MANHOLE
- LIGHT
- EXIST WATER VALVE
- PROPOSED WATER VALVE
- WATER SERVICE VALVE (EX. / PRO.)
- TEL PEDESTAL
- Mon. SURVEY MONUMENT'S
- SOIL BORING
- CP xx CONTROL POINT
- BENCHMARK
- IRON PIPE / PIN / ROD
- GV GAS VALVE
- DECIDUOUS TREE < 6"
- DECIDUOUS TREE > 6"
- EVERGREEN TREE < 6"
- EVERGREEN TREE > 6"
- SHRUB
- UTILITY POLE
- ℄ CENTERLINE
- R/L REFERENCE LINE
- EOP EDGE OF PAVEMENT
- SWALE DRAINAGE SWALE
- SIGNS
- HIGHWAY
- MARSH

NORTH

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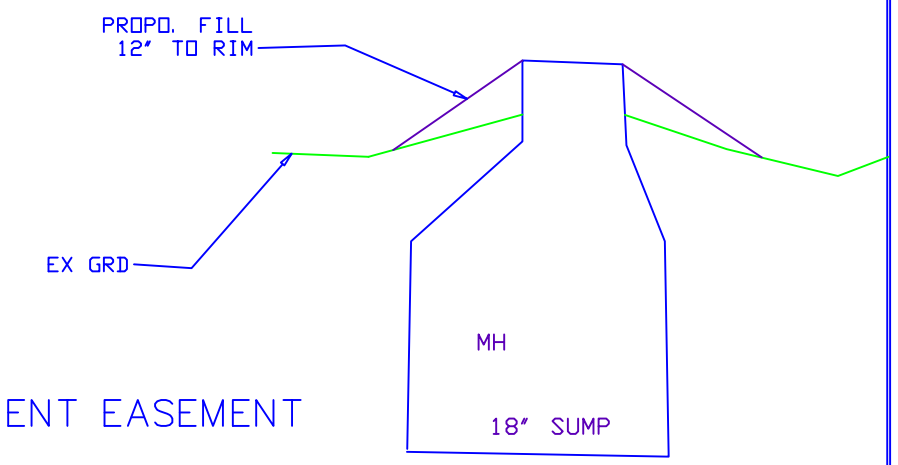
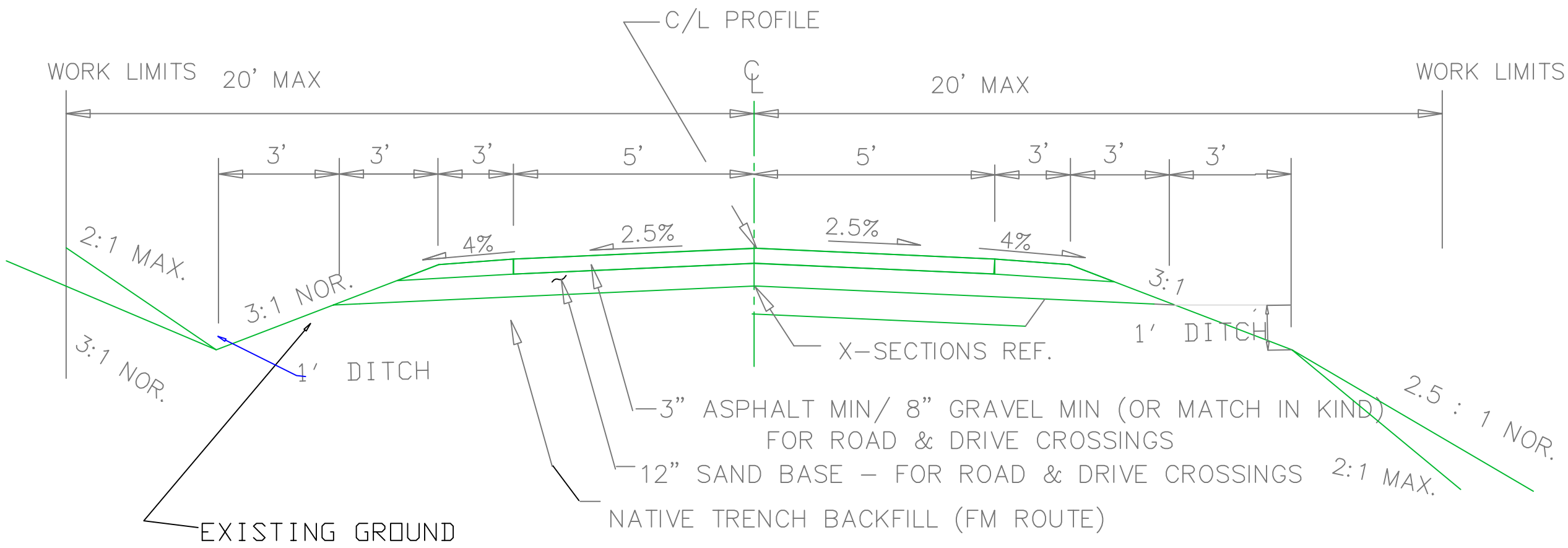
SCALE	PROJ. NO.	PROJECT		SHEET DESCRIPTION	SHEET NUMBER
PBSD SOUTH NOV2022 BAYFIELD		PBSD LOW LS FM PROJECT 2021	LUND ENGINEERING 715-209-0367 rmlund1@charter.net WASHBURN WI 54891	DETAILS – EROSION CONTROL LEGEND / NOTES	2A
DRAWN BY RML	CHECKED BY RML				
DATE 09NOV22	REVISIONS				

PLACE SILT FENCE ON DOWNHILL SIDE OR WORKING AREA – IN ALL DRAINAGE PATHS & SWALES
SALVAGE EXISTING TOPSOIL (SEED & MULCH)
PLACE FORCE MAIN AT 7' DEPTH
STOCKPILE MATERIAL ON UPLAND SLOPE
RESTORE TRENCHES TO EXISTING CONDITION
ALL MH'S TO HAVE RIM SET TO SURFACE PLUS 12"
ALL MH'S TO HAVE 18" SUMP
MH DEPTH TO BE 10' (RIMTO INV, INCLUDES CASTING) FORCE MAIN TO PLACED IN 20' WIDE PERMANENT EASEMENT





ALL POTENTIAL WETLAND CROSSINGS TO BE MINIMIZED AND TOP 12" OF WETLANDS SOILS TO BE SEPARATED FOR REPLACEMENT
ALL ACTIVITY (INCLUDES STOCKPILES) IN POTENTIAL WETLAND AREAS TO BE ON CONSTRUCTION PADS OR MATS (FABRIC AND ROCK OR LOG MATS)

MH'S & LATERALS TO BE MARKED IN THE FIELD BY ENGINEER
EASEMENTS 20' PERMANENT ABOUT C/L OF FM
EASEMENTS 40' TEMPORARY ABOUT C/L OF FM

ALL TREES TO BE SAVED – ENGINEER MUST APPROVE TREE REMOVAL IF OVER 3" IN DIAMETER
ALL INFRASTRUCTURE AND LAND OWNER AMENITIES TO BE SAVED OR MOVED AND REPLACED

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PBSD SOUTH NOV2022 BAYFIELD		PIKES BAY SANITARY DISTRICT LOWER LS FORCE MAIN PROJECT	LUND ENGINEERING 715-209-0367 rmlund1@charter.net WASHBURN WI 54891	DETAILS LEGEND / NOTES	2 B
DRAWN BY RML	CHECKED BY RML				
DATE 09NOV22	REVISIONS				

PIKES BAY SANITARY DISTRICT #1

LOWER LIFT STATION FORCE MAIN PROJECT

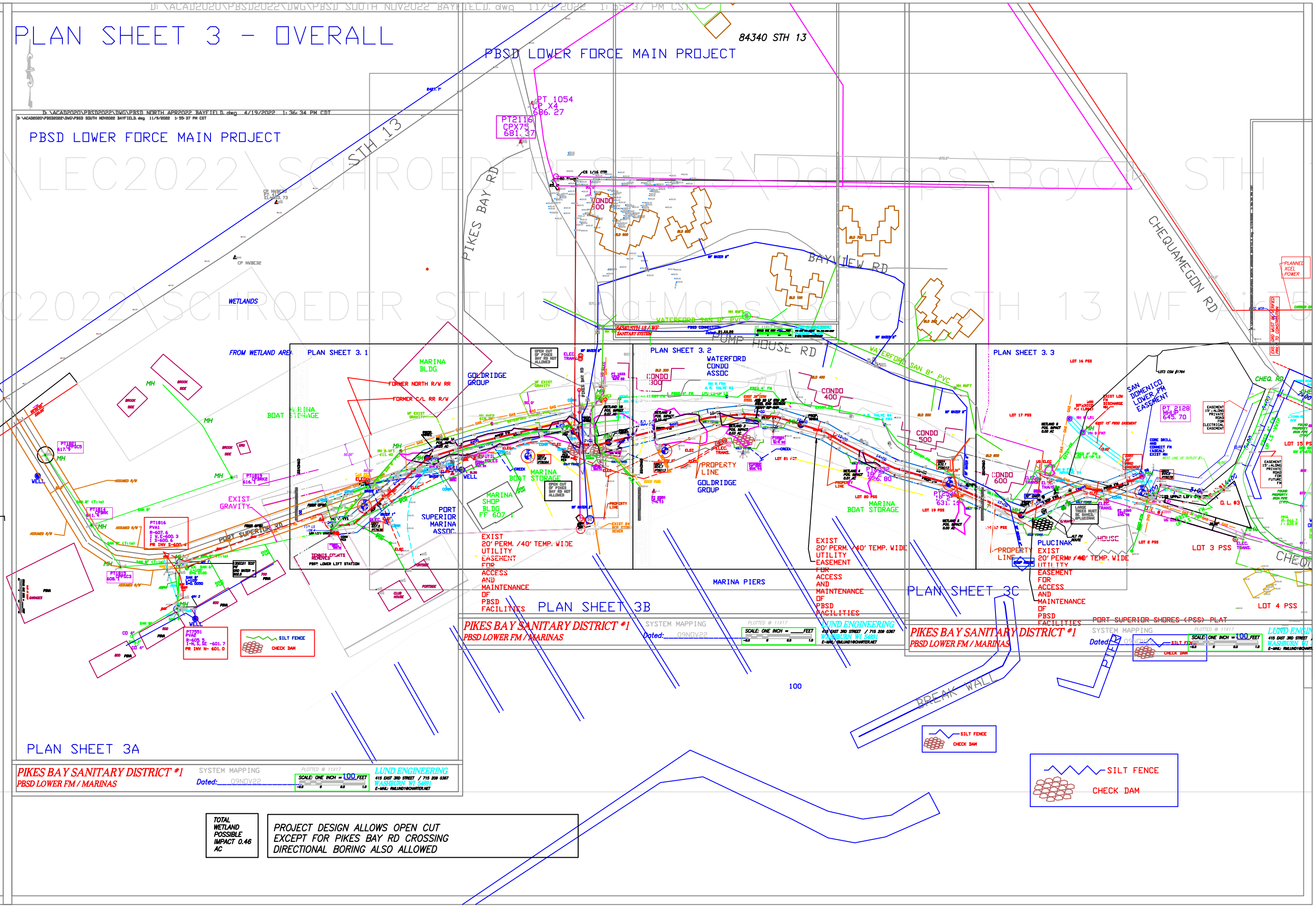
Dated: 23AUG22

PBSD LOWER LIFT STATION FORCE MAIN PROJECT

SCALE: ONE INCH = 200 FEET

200 0 200 400

LUND ENGINEERING
415 EAST 3RD STREET PH: 715-209-0367
WASHBURN WI 54891
E-MAIL: RMLUND1@CHARTER.NET



TOTAL WETLAND POSSIBLE IMPACT 0.46 AC

PROJECT DESIGN ALLOWS OPEN CUT EXCEPT FOR PIKES BAY RD CROSSING DIRECTIONAL BORING ALSO ALLOWED

PIKES BAY SANITARY DISTRICT #1

LOWER LIFT STATION FORCE MAIN PROJECT

PLAN SHEET 3 - OVERALL

PBSD LOWER FORCE MAIN PROJECT

84340 STH 13

PBSD LOWER FORCE MAIN PROJECT

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PT 1054
CP X4
686.27

PT2116
CPX75
681.37

STH 13

PIKES BAY RD

BAYVIEW RD

CHEQUAMEGON RD

PUMP HOUSE RD

WATERFORD SAN ST PVC

WETLANDS

FROM WETLAND AREA

PLANNED XCEL POWER

PLAN SHEET 3.1

PLAN SHEET 3.2

PLAN SHEET 3.3

MARINA BLDG

GOLDRIDGE GROUP

FORMER NORTH R/W RR

FORMER C/L RR R/W

BOAT STORAGE

MARINA BOAT STORAGE

MARINA SHOP BLDG FF 607.1

PORT SUPERIOR MARINA ASSOC.

WATERFORD CONDO ASSOC

CONDO 300

CONDO 400

CONDO 500

CONDO 600

PROPERTY LINE

EXIST GRAVITY

EXIST 20' PERM. /40' TEMP. WIDE UTILITY EASEMENT FOR ACCESS AND MAINTENANCE OF PBSD FACILITIES

SAN DOMENICO LOWER FM EASEMENT

PT 2128
MH/C
645.70

PLUCINAK

PORT SUPERIOR SHORES (PSS) PLAT

LOT 3 PSS

LOT 4 PSS

LOT 15 PSS

LOT 16 PSS

LOT 17 PSS

LOT 19 PSS

LOT 80 PSS

LOT 81 PSS

LOT E PSS

PLAN SHEET 3A

PLAN SHEET 3B

PLAN SHEET 3C

MARINA PIERS

BREAK WALL

PIER

SILT FENCE

CHECK DAM

PIKES BAY SANITARY DISTRICT #1

PBSD LOWER FM / MARINAS

Dated:

SCALE: ONE INCH = 100 FEET

LUND ENGINEERING

415 EAST 3RD STREET / 715 209 0367

E-MAIL: RWLUND1@CHARTER.NET

TOTAL WETLAND POSSIBLE IMPACT 0.46 AC

PROJECT DESIGN ALLOWS OPEN CUT EXCEPT FOR PIKES BAY RD CROSSING DIRECTIONAL BORING ALSO ALLOWED

PIKES BAY SANITARY DISTRICT #1

LOWER LIFT STATION FORCE MAIN PROJECT

Dated:

PBSD LOWER LIFT STATION FORCE MAIN PROJECT

SCALE: ONE INCH = ____ FEET

LUND ENGINEERING

415 EAST 3RD STREET PH: 715-209-0367

WASHBURN, WI 54891

E-MAIL: RWLUND1@CHARTER.NET

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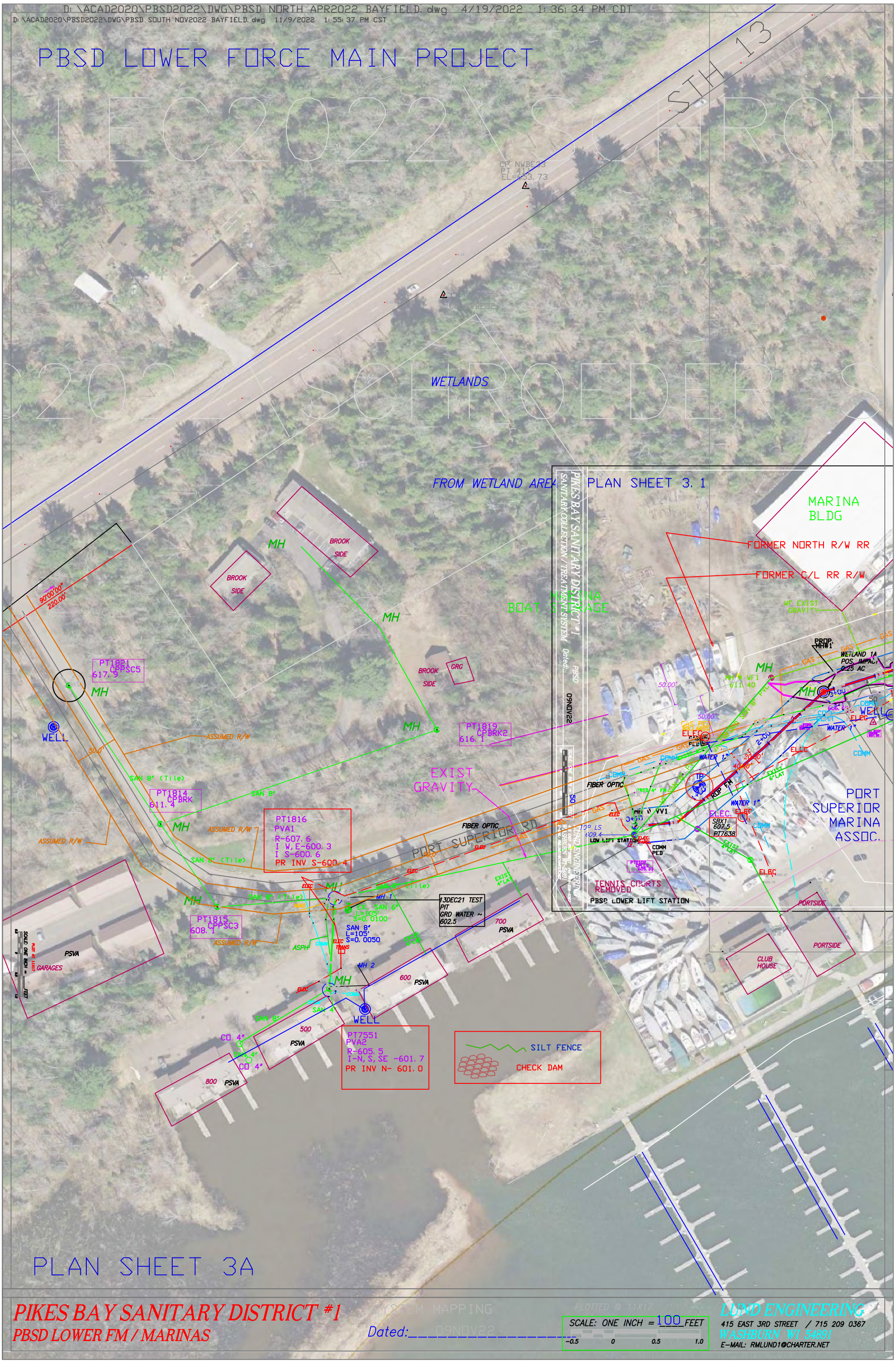
PBSD LOWER FORCE MAIN PROJECT



PIKES BAY SANITARY DISTRICT #1

PBSD LOWER FM / MARINAS

Dated: 09NOV22

SCALE: ONE INCH = 100 FEET

LUND ENGINEERING
415 EAST 3RD STREET / 715 209 0367
WASHBURN WI 54891
E-MAIL: RMLUND1@CHARTER.NET

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PBSD LOWER FORCE MAIN PROJECT

84340 STH 13

PT 1054
CP X4
686.27

PT2116
CPX75
681.37

CS 1/16 COR

PIKES BAY RD

CONDO 500

BLD 900

BLD 800

BLD 700

BLD 100

BAYVIEW RD

WF WATER 8"

MH #WF5

WATERFORD SAN 8" PVC

84340 STH 13 / WF
SANITARY SYSTEM

PBSD CONNECTION
Dated: 21JUL22

SCALE: ONE INCH = 30 FEET

LUND ENGINEERING
415 EAST 3RD STREET PH: 715-209-0367
E-MAIL: RMLUND1@CHARTER.NET

PUMP HOUSE RD

WATERFORD

OPEN CUT OF PIKES BAY RD NOT ALLOWED

ELEC TRANS.

PLAN SHEET 3.2

WATERFORD CONDO ASSOC

GOLDRIDGE GROUP

PT 1633
CPX3
629.28

BLD 300

CONDO 300

BLD 400

CONDO 400

MH # FM4
A.R. VALVE #3

PBSD 4" FM

LDW LS-UP LS

EXIST 36" STM STEEL

ADD 20 LF STM 36" STEEL END SECTION HEAVY RIP RAP

WETLAND 1B
POS. IMPACT
0.07 AC

WETLAND 2
POS. IMPACT
0.10 AC

WETLAND 3
POS. IMPACT
0.03 AC

WETLAND 4
POS. IMPACT
0.01 AC

PROP. MH#2

PROP. MH#3

PROP. MH#4

PROP FM

SILT FENCE

PIKES BAY SANITARY DISTRICT #1
SANITARY COLLECTION / TREATMENT SYSTEM
Dated: 09NOV22

LUND ENGINEERING
415 EAST 3RD STREET PH: 715-209-0367
WASHBURN WI 54891
E-MAIL: RMLUND1@CHARTER.NET

SCALE: ONE INCH = 100 FEET

UTIL POLES

CREEK

MARINA BOAT STORAGE

WELL

MARINA SHOP BLDG
FF 607.1

SBX2
607.8
PT8084

SBX3
604.7
PT8013

PT2522
CP X21
605.44

PT2524
IP 2
624.50

PT2532
IP 2
626.80

PROPERTY LINE

GOLDRIDGE GROUP

LOT 21 PSS

LOT 20 PSS

WF WATER 2"

EXIST 24" RCP STORM SEWER

EXIST
20' PERM. /40' TEMP. WIDE
UTILITY
EASEMENT
FOR
ACCESS
AND
MAINTENANCE
OF
PBSD
FACILITIES

MARINA PIERS

PLAN SHEET 3B

PIKES BAY SANITARY DISTRICT #1

PBSD LOWER FM / MARINAS

SYSTEM MAPPING

PLOTTED @ 11X17

Dated: 09NOV22

SCALE: ONE INCH = ____FEET

-0.5 0 0.5 1.0

LUND ENGINEERING
415 EAST 3RD STREET / 715 209 0367
WASHBURN WI 54891
E-MAIL: RMLUND1@CHARTER.NET

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PBSD LOWER FORCE MAIN PROJECT

PLAN SHEET 3.3

PLAN SHEET 3C

PIKES BAY SANITARY DISTRICT #1
SANITARY COLLECTION / TREATMENT SYSTEM

CHEQUAMEGON RD

CHEQ. RD.

PLANNED XCEL POWER

EXIST GRD MUST BE VERIFIED PRIOR TO CONSTRUCTION

CARRIER DRIVEWAY

ELEC MTR

BLD 260

BLD 500

BLD 600

CONDO 500

CONDO 600

SAN 8" PVC

MH #WF7

WF WATER 8"

LOT 16 PSS

LOT 17 PSS

LOT 19 PSS

LOT 15 PSS

LOT 3 PSS

LOT 4 PSS

LOT 2 PSS

LOT3 CSM #1764

SAN DOMENICO LOWER FM EASEMENT

SAN DOMENICO MH (LR#1)

MH # LR1

MH # FM7

EXIST LOW FM DISCHARGE MH

EXIST 15' PBSD EASEMENT

PT 2128 MHUP 645.70

EASEMENT 15'; ALONG PRIVATE ROAD FOR ELECTRICAL EASEMENT

EASEMENT 20'; ALONG PRIVATE ROAD FOR FUTURE FM

EASEMENT 15'; ALONG PRIVATE ROAD FOR FUTURE FM

WETLAND 6 POS. IMPACT 0.00 AC

WETLAND 5 POS. IMPACT 0.00 AC

CORE DRILL AND CONNECT FM (&SEAL) EXIST MH

WEST LINE OF OUTLOT #1

PBSD 4" FM LOW LS UP LS

PBSD 4" FM UP LS -WWTP

EXIST 20' PBSD EASEMENT

SBX4 632.1 PT8012

SBX5 644.8 PT8078

PT2530 TP 2" 631.16

PROP. FM

PROP. MH#1

10" OAKS

LARGE TREES MUST BE SAVED, @PLUCINAK

SILT FENCE

GARAGE

HOUSE

ALT FM ROUTE

PLUCINAK EXIST 20' PERM. / 40' TEMP. WIDE UTILITY EASEMENT FOR ACCESS AND MAINTENANCE OF PBSD FACILITIES

PROPERTY LINE

PUMP HOUSE

PBSD UPPER LIFT STATION

O. L. #1

O. L. #3

MH4 R-644.7 I-635.9

WWTP OUTFALL OPEN CHANNEL

SAN 8" PVC S=0.0155

FOUND PROPERTY IRON PIPE (TYP)

ELEC. TRANS.

UG ELEC

GAS

WF WATER 8"

PORT SUPERIOR SHORES (PSS) PLAT

LUND ENGINEERING
415 EAST 3RD STREET / 715 209 0367
WASHBURN WI 54891
E-MAIL: RMLUND1@CHARTER.NET

SCALE: ONE INCH = 100 FEET

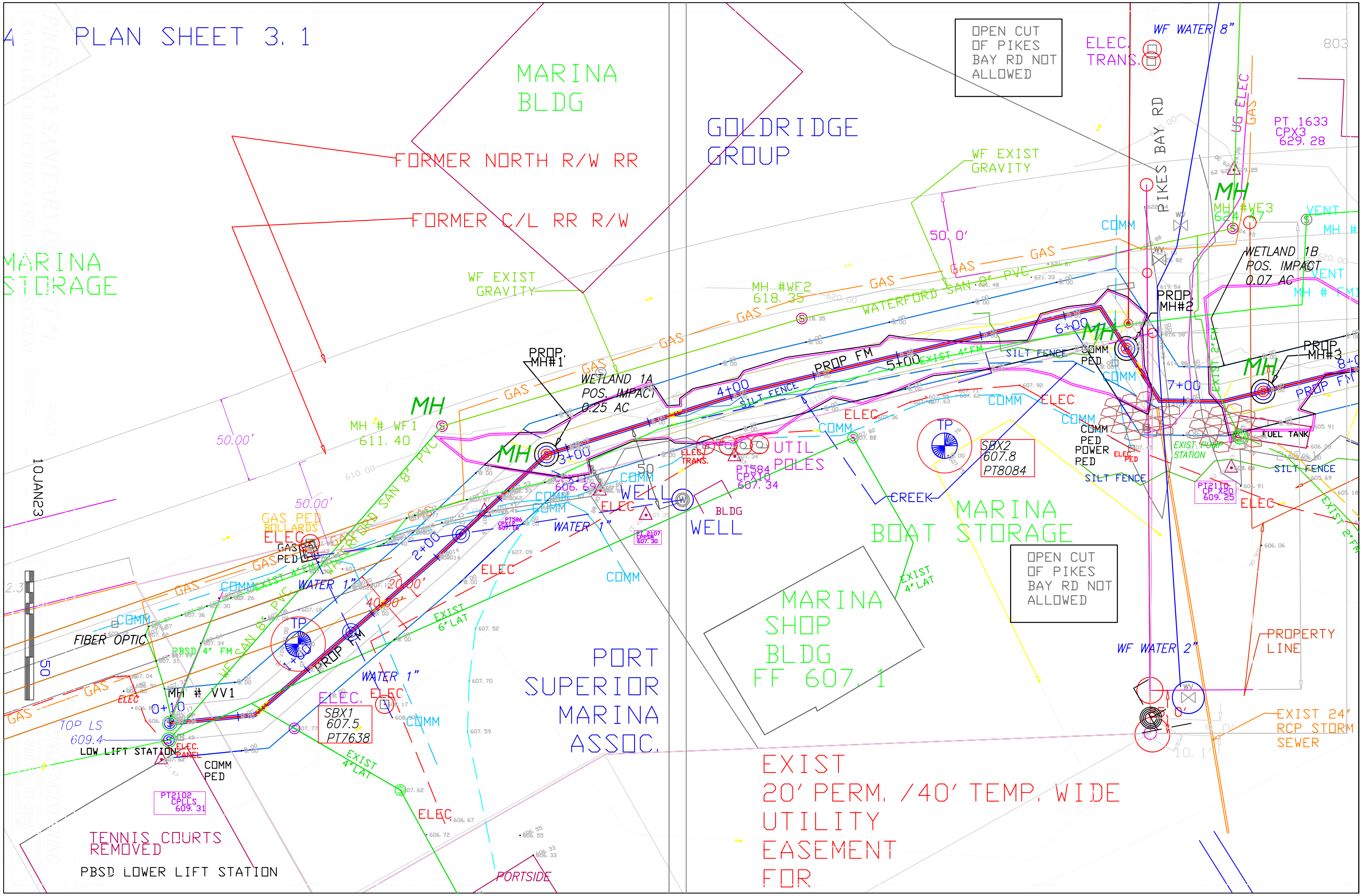
SILT FENCE

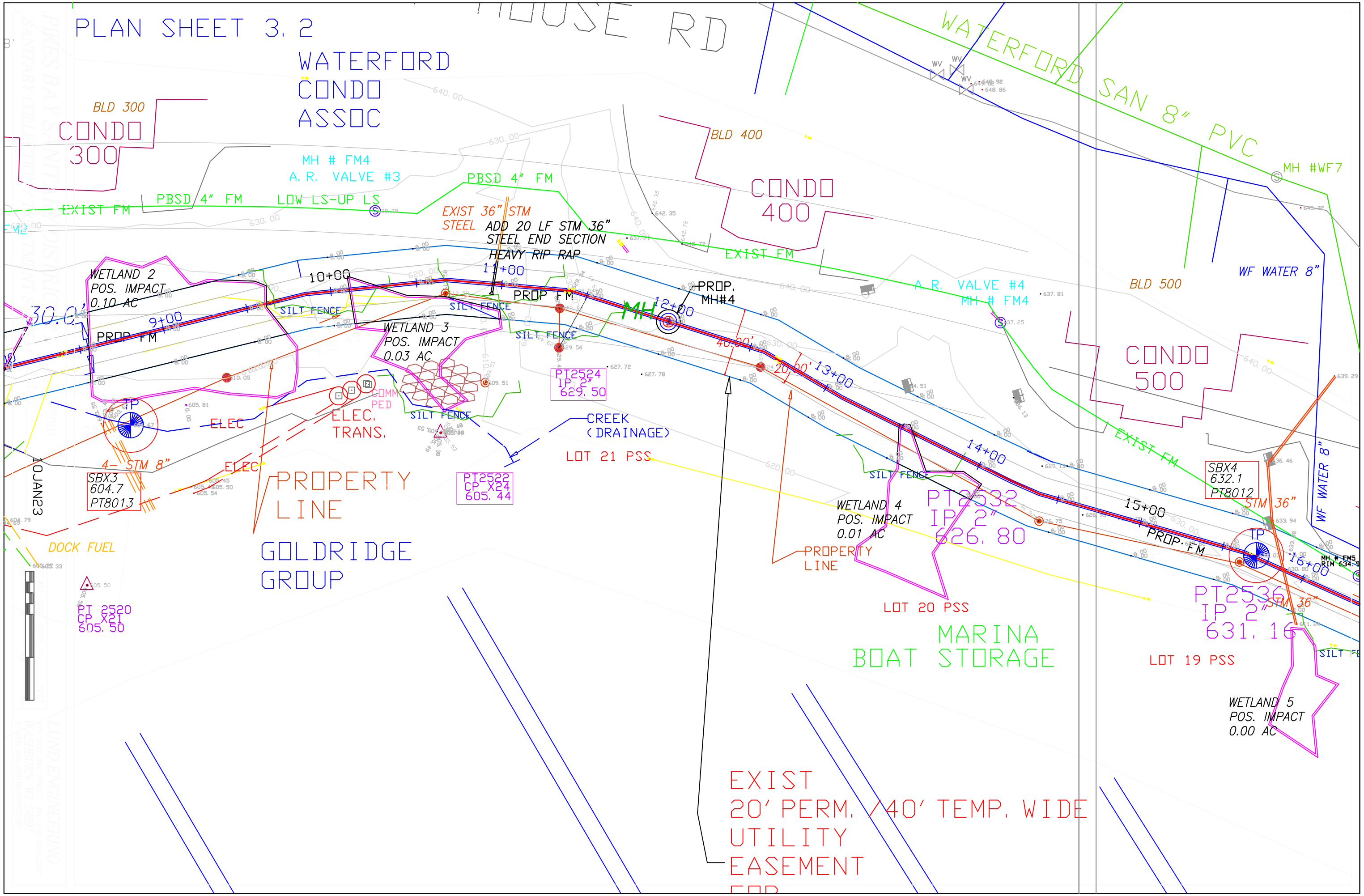
CHECK DAM

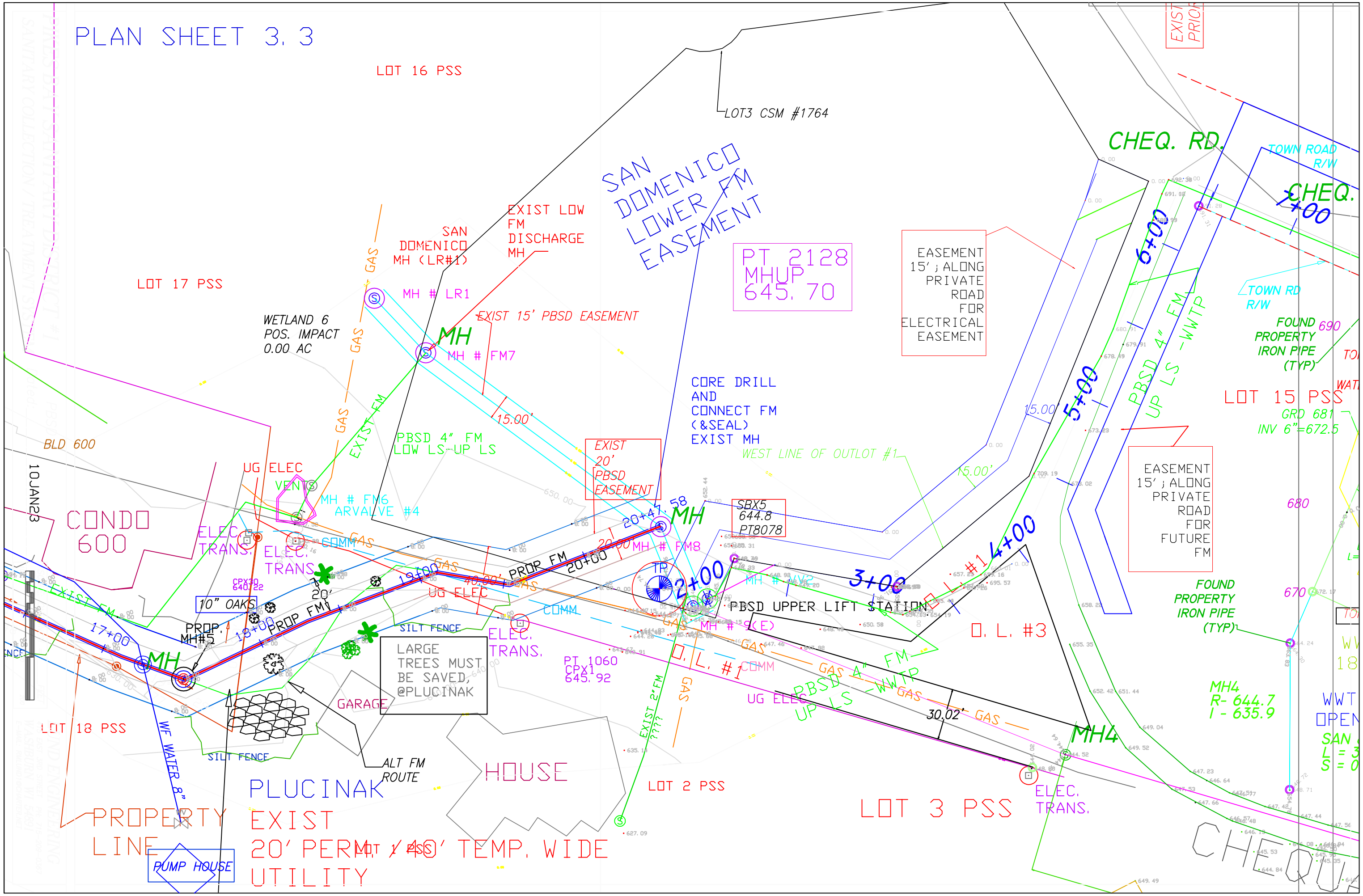
Dated:

PIKES BAY SANITARY DISTRICT #1

PBSD LOWER FM / MARINAS


4 PLAN SHEET 3.1
MARINA BLDG
GOLDRIDGE GROUP
FORMER NORTH R/W RR
FORMER C/L RR R/W
MARINA STORAGE
OPEN CUT OF PIKES BAY RD NOT ALLOWED
ELEC. TRANS.
WF WATER 8"
PIKES BAY RD
UG ELEC
GAS
PT 1633 CPX3 629.28
WF EXIST GRAVITY
MH #WE3 624.47
VENT
COMM
50.0'
WETLAND 1B POS. IMPACT 0.07 AC
MH #WF2 618.35
WATERFORD SAN 8" PVC
PROP. MH#2
6+00
PROP. MH#1
WETLAND 1A POS. IMPACT 0.25 AC
PROP FM
5+00
EXIST 4" FM
SILT FENCE
PED
PROP. MH#3
4+00
7+00
EXIST 2" FM
MH # WF1 611.40
3+00
ELEC
TP
SBX2 607.8 PT8084
POWER PED
FUEL TANK
EXIST PUMP STATION
UTIL POLES
PT584 CPX10 607.34
WELL
BLDG
CREEK
MARINA BOAT STORAGE
50.00'
GAS PED BOLLARDS
WATER 1"
2+00
20.00'
40.00'
EXIST 6" LAT
EXIST 4" LAT
MARINA SHOP BLDG FF 607.1
PROPERTY LINE
WF WATER 2"
EXIST 24" RCP STORM SEWER
FIBER OPTIC
PBSD 4" FM
MH # VV1
0+10
TOP LS 609.4
LOW LIFT STATION
ELEC. PANEL
SBX1 607.5 PT7638
PT2102 CPLLS 609.31
TENNIS COURTS REMOVED
PBSD LOWER LIFT STATION
PORTSIDE
PORT SUPERIOR MARINA ASSOC.
EXIST 20' PERM. /40' TEMP. WIDE UTILITY EASEMENT FOR
10JAN23


PLAN SHEET 3. 2
WATERFORD CONDO ASSOC
HOUSE RD
WATERFORD SAN 8" PVC
BLD 300
CONDO 300
BLD 400
CONDO 400
BLD 500
CONDO 500
MH # FM4
A. R. VALVE #3
PBSD 4" FM
LOW LS-UP LS
EXIST FM
EXIST 36" STM
STEEL
ADD 20 LF STM 36"
STEEL END SECTION
HEAVY RIP RAP
11+00
10+00
9+00
PROP FM
PROP. MH#4
MH
12+00
13+00
14+00
15+00
16+00
WETLAND 2
POS. IMPACT
0.10 AC
WETLAND 3
POS. IMPACT
0.03 AC
SILT FENCE
30.0'
40.00'
20.00'
PT2524
IP 2"
629.50
COMM PED
ELEC.
TRANS.
ELEC
CREEK
(DRAINAGE)
LOT 21 PSS
4- STM 8"
SBX3
604.7
PT8013
PROPERTY LINE
PT2522
CP X24
605.44
GOLDRIDGE GROUP
DOCK FUEL
PT 2520
CP X21
605.50
10-JAN23
A. R. VALVE #4
MH # FM4
MH #WF7
WF WATER 8"
SBX4
632.1
PT8012
STM 36"
WETLAND 4
POS. IMPACT
0.01 AC
PT2532
IP 2"
626.80
LOT 20 PSS
MARINA
BOAT STORAGE
PT2536
IP 2"
631.16
LOT 19 PSS
WETLAND 5
POS. IMPACT
0.00 AC
EXIST
20' PERM. /40' TEMP. WIDE
UTILITY
EASEMENT


PLAN SHEET 3.3
LOT 16 PSS
LOT3 CSM #1764
CHEQ. RD.
TOWN ROAD R/W
CHEQ.
7+00
6+00
5+00
SAN DOMENICO LOWER FM EASEMENT
PT 2128
MHUP
645.70
EASEMENT 15'; ALONG PRIVATE ROAD FOR ELECTRICAL EASEMENT
EXIST LOW FM DISCHARGE MH
SAN DOMENICO MH (LR#1)
MH # LR1
EXIST 15' PBSD EASEMENT
LOT 17 PSS
WETLAND 6
POS. IMPACT
0.00 AC
MH
MH # FM7
GAS
EXIST FM
PBSD 4" FM
LOW LS-UP LS
15.00'
CORE DRILL
AND
CONNECT FM
(&SEAL)
EXIST MH
WEST LINE OF OUTLOT #1
EXIST
20'
PBSD
EASEMENT
PBSD 4" FM
UP LS -WWTP
TOWN RD R/W
FOUND PROPERTY IRON PIPE (TYP)
690
LOT 15 PSS
GRD 681
INV 6"=672.5
BLD 600
10JAN23
UG ELEC
VENT
MH # FM6
ARVALVE #4
CONDO 600
ELEC. TRANS.
COMM
20+41.58
MH
SBX5
644.8
PT8078
20+00
MH # FM8
PROP FM
19+00
40.00'
UG ELEC
TP
2+00
3+00
4+00
O. L. #1
EASEMENT 15'; ALONG PRIVATE ROAD FOR FUTURE FM
680
FOUND PROPERTY IRON PIPE (TYP)
670
CPX30
640.22
10" OAKS
20'
PROP FM
EXIST FM
17+00
18+00
PROP. MH#5
MH
SILT FENCE
LARGE TREES MUST BE SAVED, @PLUCINAK
ELEC. TRANS.
PT 1060
CPX1
645.92
MH # 9(E)
PBSD UPPER LIFT STATION
O. L. #3
O. L. #1
PBSD 4" FM
UP LS -WWTP
30.02'
MH4
R- 644.7
I - 635.9
WWT
OPEN
SAN
L = 3
S = 0
LOT 18 PSS
WF WATER 8"
GARAGE
ALT FM ROUTE
HOUSE
EXIST 2"FM ????
LOT 2 PSS
LOT 3 PSS
ELEC. TRANS.
PROPERTY LINE
PUMP HOUSE
PLUCINAK
EXIST
20' PERM. / 40' TEMP. WIDE
UTILITY
CHEQUA

PLOT SCALE AT 11X17
H: 1"=150' V: 1"=15

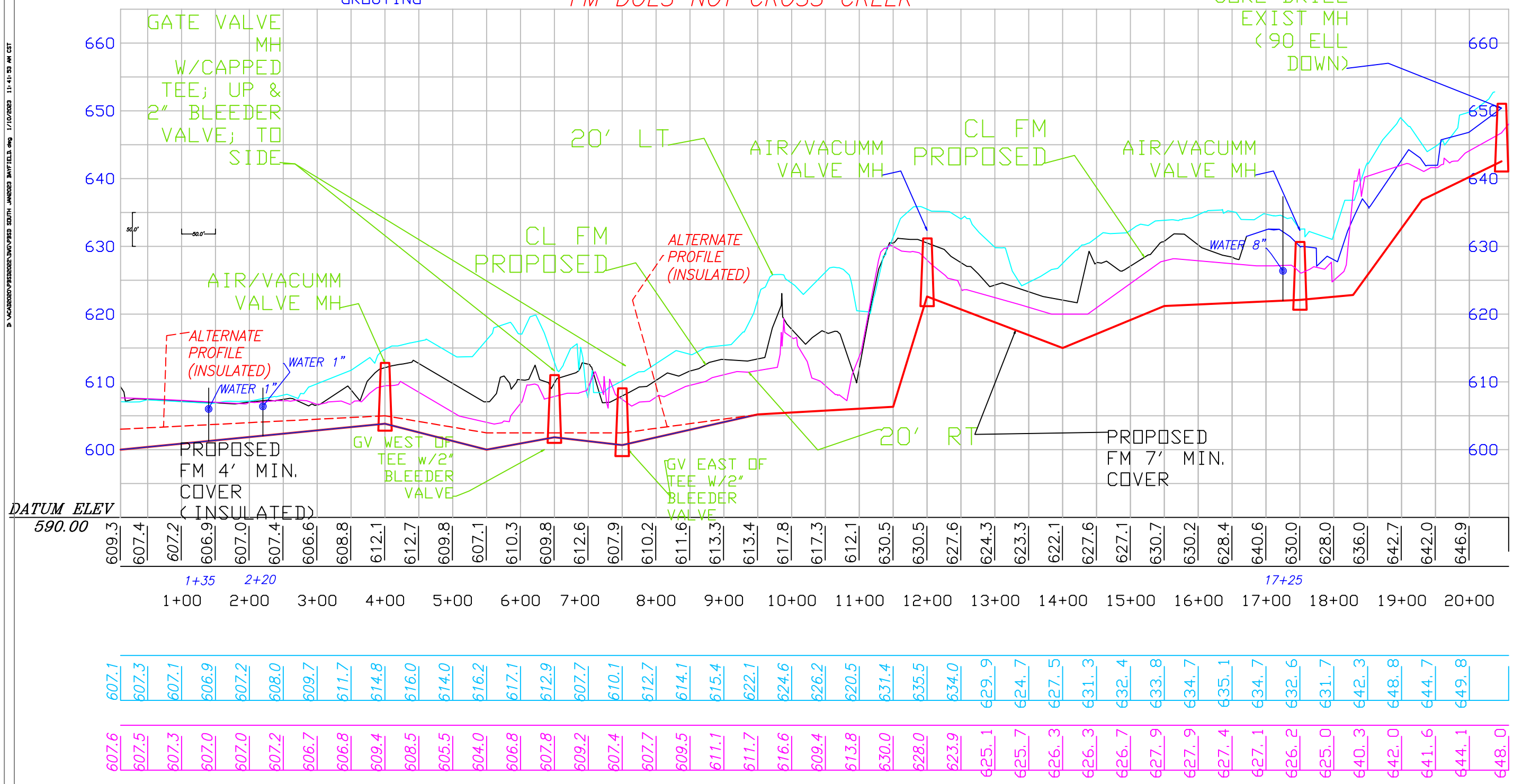
MH'S TO INCLUDE: 18" SUMP, CASTING N-1550 OR EQUAL; CHIMNEY SEALS AND PIPES BOOT SEALS, AND GROUTING

STA 0+00 TO 9+50
ALTERNATE TO ALLOW 4' COVER WITH 4" INSULATION 4' WIDE 6" ABOVE PIPE

GROUNWATER WAS MEASURED AT ~ 602.4 (SB1), 602.0 (SB2), 601.3 (SB3) ON AUG 03, 2022
NOAA COOPS WATER LEVEL DATA AVE 602.8 (DULUTH, ONTONOGAN, GRAND MARAIS)

WATER X-ING (1+35, 2+20, 17+25) – MAINTAIN 18" MIN. VERTICAL CLEARANCE TO PROP. FM
WATER X-ING / UTILIZE WATERTIGHT JOINTS ON SANITARY WITHIN 10' OF WATER, HORIZONTALLY

FM DOES NOT CROSS CREEK



LUND ENGINEERING
415 EAST 3RD STREET PH: 715-209-0367
WASHBURN WI 54891
E-MAIL: RMLUND1@CHARTER.NET

SCALE: ONE INCH = 150 FEET
200 0 400

10JAN23

Dated:_____

PIKES BAY SANITARY DISTRICT #1
LOWER LIFT STATION FORCE MAIN PROJECT

D:\ACAD2020\PS82022\VNV\PS83 SOUTH JANCE23 BAYFIELD.dwg 1/10/2023 11:41:53 AM CST