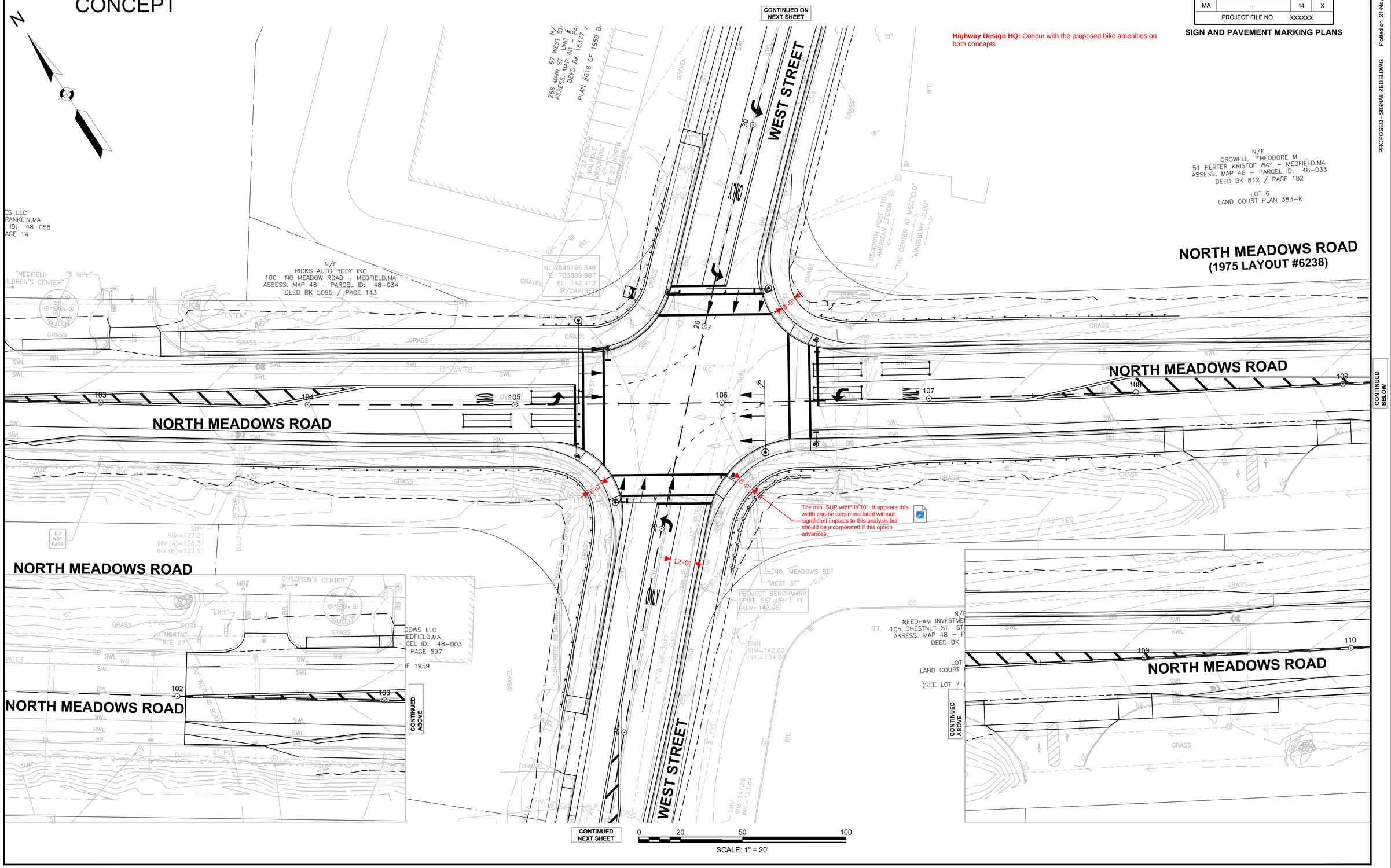
SIGNALIZED INTERSECTION CONCEPT

MEDFIELD
NORTH MEADOWS ROAD (ROUTE 27)
AND WEST STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	14	X
PROJECT FILE NO.	XXXXXX		

SIGN AND PAVEMENT MARKING PLANS

Highway Design HQ: Concur with the proposed bike amenities on both concepts

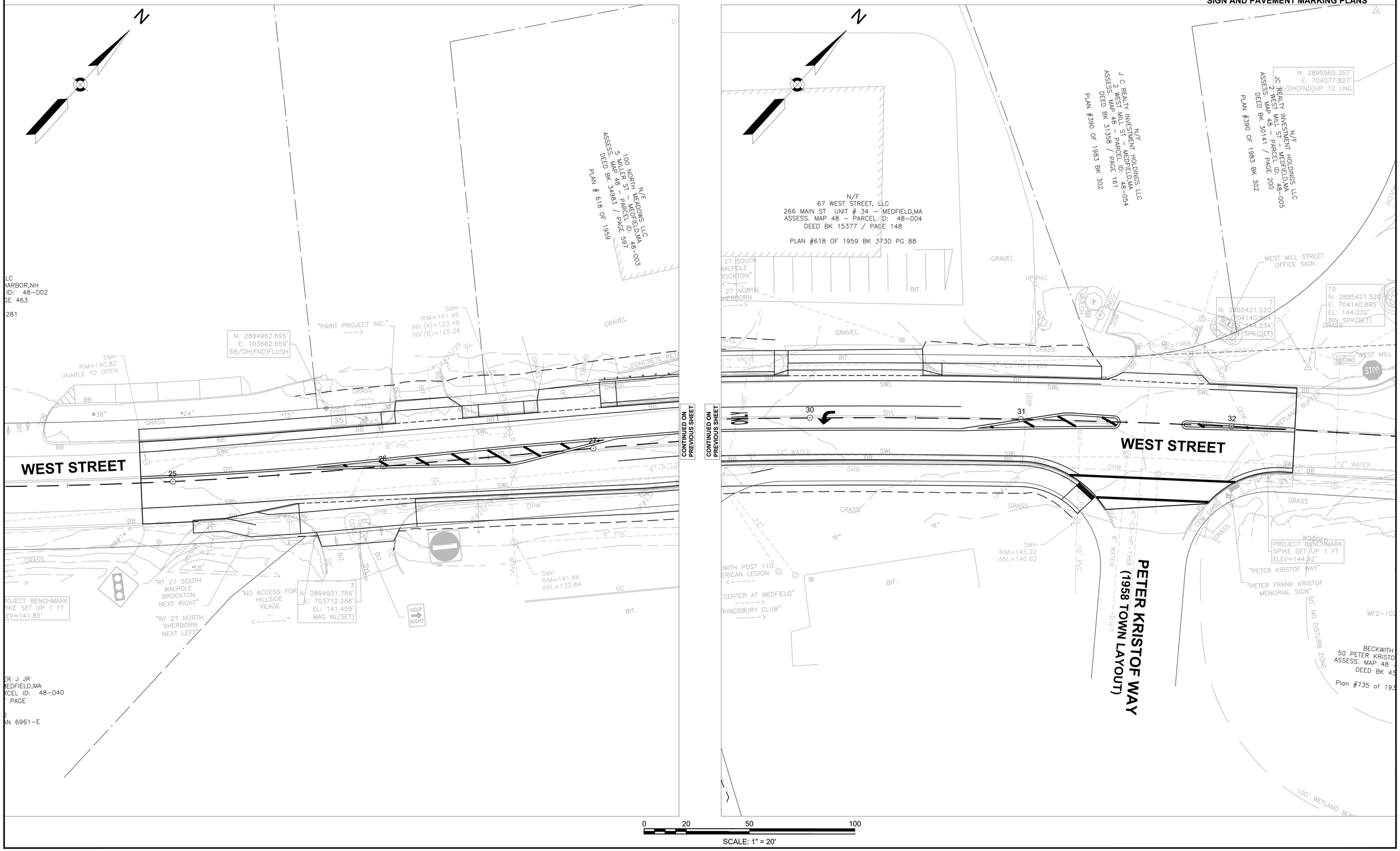


PROPOSED - SIGNALIZED B.DWG Plotted on 21-Nov-2024 3:20 PM

MEDFIELD
NORTH MEADOWS ROAD (ROUTE 27)
AND WEST STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	15	X
PROJECT FILE NO.	XXXXXX		

SIGN AND PAVEMENT MARKING PLANS



PROPOSED - SIGNALIZED B.DWG Plotted on 21-Nov-2024 3:20 PM

MULTILANE ROUNDABOUT
CONCEPT B

- Hybrid multilane “turbo” roundabout
- Inscribed Circle Diameter: 155’
- Design Vehicle: WB-67 (All movements)
- Perm Easements: 9,400 SF
- Temp Easements: 11,200 SF
- Lane Widths: 12’ to 18’
- Shared Use Path Width: 10’ with 2’ to 5’ Buffer
- #67 West St. minimum traversable width 25’
- NOI not needed
- Drainage: Would significantly reduce the potential for on-site stormwater improvements
- 70’ retaining wall at #100 North Meadows (SW quadrant)
- LOS Data: LOS D or better

Is this roundabout the smallest possible design for the design veichles?

Is the parking still use able with this roundabout design? If not can the leg be shifted to the east to minimize parking impacts on this parcel?

CONTINUED ON NEXT SHEET

CONTINUED BELOW

CONTINUED ABOVE

CONTINUED NEXT SHEET

WEST STREET

NORTH MEADOWS ROAD

0 20 50 100

SCALE: 1" = 20'

PROPOSED - MULTI LANE ROUNDABOUT B.DWG Plotted on 22-Jun-2022 9:12 AM

MEDFIELD
NORTH MEADOWS ROAD (ROUTE 27) AND WEST STREET

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	15	X
PROJECT FILE NO.	XXXXXX		

SIGN AND PAVEMENT MARKING PLANS

PROPOSED - MULTI LANE ROUNDABOUT B.DWG Plotted on 22-Jun-2022 9:13 AM

N

N/F
100 NORTH MEADOWS LLC
5 MILLER ST - MEDFIELD,MA
ASSESS. MAP 48 - PARCEL ID: 48-003
DEED BK 34983 / PAGE 597
PLAN # 618 OF 1959

N/F
67 WEST STREET, LLC
266 MAIN ST UNIT # 34 - MEDFIELD,MA
ASSESS. MAP 48 - PARCEL ID: 48-004
DEED BK 15377 / PAGE 148
PLAN #618 OF 1959 BK 3730 PG 88

N/F
J C REALTY INVESTMENT HOLDINGS LLC
2 WEST MILL ST - MEDFIELD,MA
ASSESS. MAP 48 - PARCEL ID: 48-054
DEED BK 31358 / PAGE 161
PLAN #390 OF 1983 BK 302

N/F
JC REALTY INVESTMENT HOLDINGS LLC
2 WEST MILL ST - MEDFIELD,MA
ASSESS. MAP 48 - PARCEL ID: 48-005
DEED BK 30141 / PAGE 200
PLAN #390 OF 1983 BK 302

N: 2895565.357'
E: 704077.827'
SB/DH(FND)UP 12 LNG

N: 2894962.695'
E: 703662.659'
SB/DH(FND)FLUSH

"PAINT PROJECT INC."

SMH
RIM=140.82
UNABLE TO OPEN

SMH
RIM=141.46
INV(A)=123.46
INV(B)=125.26

SMH
RIM=141.86
INV.=133.84

N: 2894931.786'
E: 703712.286'
EL: 141.459'
MAG NL(SET)

PROJECT BENCHMARK
SPIKE SET UP 1 FT
ELEV=141.85'

PROJECT BENCHMARK
SPIKE SET UP 1 FT
ELEV=144.92'

N: 2895421.520'
E: 704140.885'
EL: 144.232'
BIN SPK(SET)

N: 2895421.520'
E: 704140.694'
EL: 144.234'
BIN SPK(SET)

WEST STREET

WEST STREET

PETER KRISTOF WAY
(1958 TOWN LAYOUT)

"RT 27 SOUTH WALPOLE BROCKTON NEXT RIGHT"

"RT 27 NORTH SHERBORN NEXT LEFT"

"NO ACCESS FOR HILLSIDE VILAGE"

"PETER KRISTOF WAY"

"PETER FRANK KRISTOF MEMORIAL SIGN"

WEST MILL STREET OFFICE SIGN

27 SOUTH WALPOLE BROCKTON"
27 NORTH SHERBORN

"WITH POST 110 ERICAN LEGION
"CENTER AT MEDFIELD"
"KINGSBURY CLUB"

CONTINUED ON PREVIOUS SHEET

CONTINUED ON PREVIOUS SHEET

100' WETLAND BUFFER

50' NO DISTURB ZONE

GRAVEL
GRASS
BIT.
CC
BB
SWL
DYL
OHW
WG
SGG
VGC
CBM CONC
8" PVC
10" PVC
12" PVC
18" PVC
#24"
#36"
#15"
#18"
#12"
#8"

LC
HARBOR,NH
ID: 48-002
GE 463
281

ER J JR
EDFIELD,MA
RCEL ID: 48-040
PAGE
2
AN 6961-E

0 20 50 100
SCALE: 1" = 20'