FED. ROAD DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	N.H.			1	

REVISION AFTER PROPOSAL NO. 1
SHEETS REVISED: (By J.H. & G.R.)
TITLE PAGE – 1
PLAN SHEETS – 62,63 & 64
CROSS SECTION SHEETS – 130-145
SHEETS ADDED:
QUANTITY SHEET – 16-A
PLAN SHEETS – 63-B & 63-C
PROFILE SHEETS – 80-A & 80-B
CROSS SECTION SHEETS – 222-241 (THESE SHEETS NOT INCLUDED IN TOTAL NUMBER OF SHEETS)

INDEX OF SHEETS

SHEET NO. 1	TITLE PAGE
2-10	TYPICAL SECTIONS OF IMPROVEMENTS
11-16	SUMMARY OF QUANTITIES
17-57	BRIDGE PLANS
58-67	GENERAL PLANS
68-70	GRADING AND ISLAND LAYOUT PLANS
71-72	CURBING AND CONDUIT LAYOUT PLANS
73	DESIGN LANE USE PLAN
74-84	PROFILES
85-86	DETAIL SHEETS
87-221	CROSS SECTIONS
63-A	PZEL PLAN OF PZOP WEIGHING STA. SITES (Not part of total sheets)

FOR STANDARD SHEETS AND CONSTRUCTION SIGN STANDARDS SEE SHEET NO. 85.

STATE OF NEW HAMPSHIRE
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS

PLANS OF PROPOSED FEDERAL AID PROJECT

I 89-1(44)53

N. H. PROJECT NO. P-3821-B

P 5821 B-C

INTERSTATE ROUTE 89

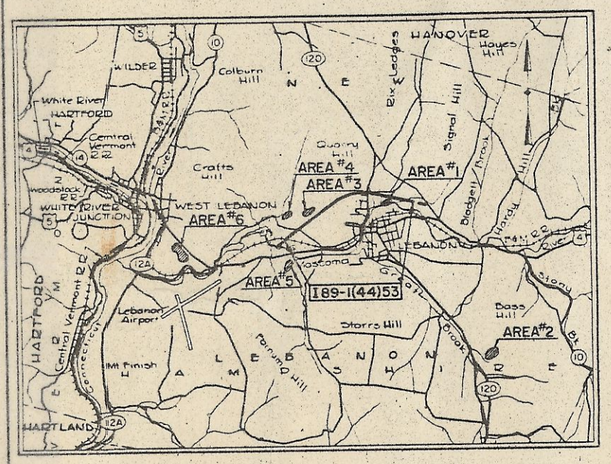
SCALES: PLAN 1" = 50'-0" & 1" = 20'-0"
PROFILE VERT. 1" = 10'-0" HOR. 1" = 50'-0"
CROSS SECTION VERT. 1" = 10'-0" HOR. 1" = 10'-0"

THIS PROJECT TO BE CONSTRUCTED IN ACCORDANCE WITH STANDARD SPECIFICATIONS DATED NOV. 1, 1960 AND STANDARD SHEETS LISTED IN THE INDEX ON FILE WITH THE BUREAU OF PUBLIC ROADS AND SPECIAL PROVISIONS ATTACHED TO PROPOSAL.

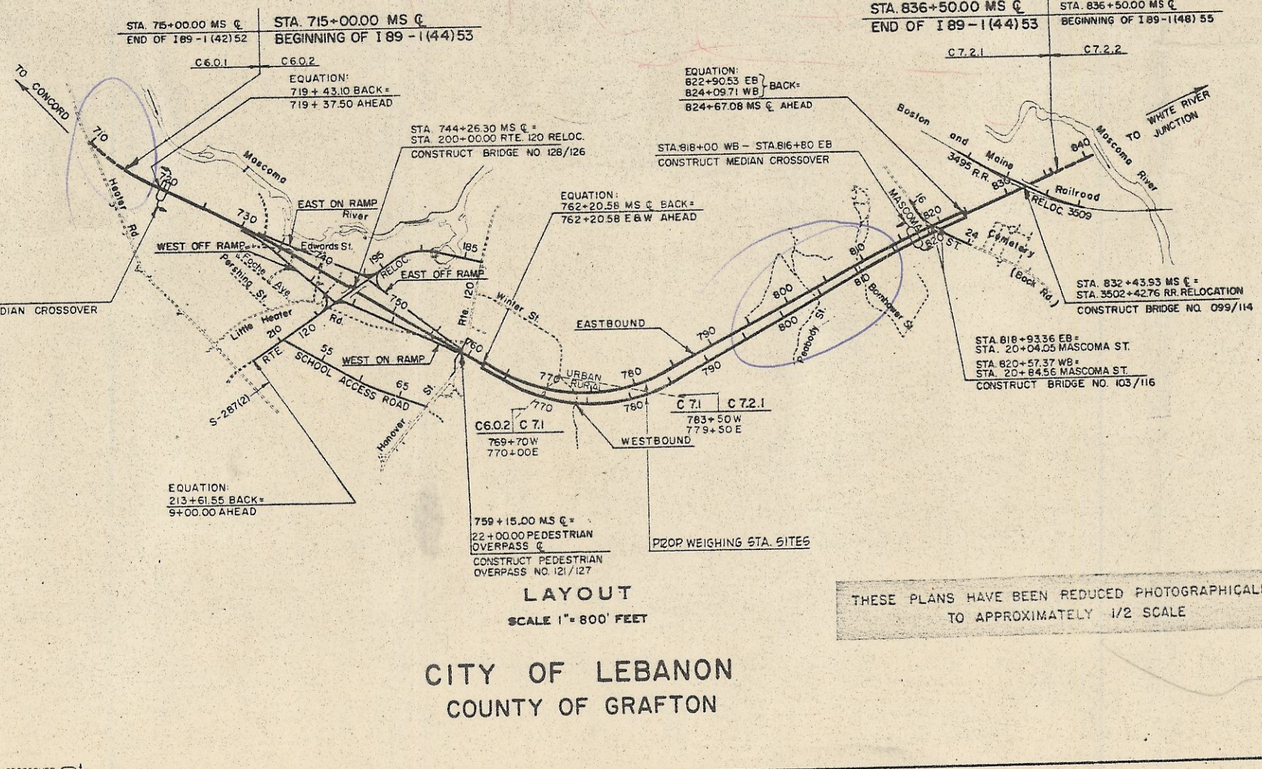
FILE No. L-4654

DESIGN DATA			
AVERAGE DAILY TRAFFIC	1965	4,598	
AVERAGE DAILY TRAFFIC	1985	10,034	
TRAFFIC CLASSIFICATION		M	
DESIGN SPEED		70	M.P.H.
MAXIMUM CURVATURE		3	DEGREES
MAXIMUM GRADIENT		3.84	%
NON-PASSING SIGHT DISTANCE K FACTOR – CREST 328	SAG	147	
LENGTH OF PROJECT		2,280	MILES

NOTE – COORDINATES NOTED ARE IN THE NEW HAMPSHIRE COORDINATE SYSTEM (APPROXIMATE), AS ESTABLISHED BY PHOTOGRAMMETRIC MAPPING CONTRACT PA 3821.



LOCATION PLAN
1/2 0 1
SCALE IN MILES
DEPOSIT AREAS



LAYOUT
SCALE 1" = 800' FEET

THESE PLANS HAVE BEEN REDUCED PHOTOGRAPHICALLY TO APPROXIMATELY 1/2 SCALE

CONVENTIONAL SIGNS

STATE LINE
TOWN LINE
FENCE
STONE WALL
UNFENCED PROPERTY
TRAVELED WAY
RAILROADS
RETAINING WALL
SEWER MANHOLE
HYDRANT
LEDGE
BOUNDS
SWAMP
CLEARING & BRUSHING
R O W LINE
SURVEY LINE
CULVERTS
POWER POLES
TELEPHONE POLES
GROUND ELEVATION
GRADE ELEVATION
SLOPE LINE
CATCH BASIN
DROP INLET
BRUSH LINE
JOINT TEL & POWER LINE
PARCEL NO.
104 (B) 5 STUDY SECTION
C6.0.1 ETC
MEDIAN CROSSOVER

CITY OF LEBANON
COUNTY OF GRAFTON

RECOMMENDED FOR APPROVAL DATE 11/25/64
DEPUTY COMMISSIONER AND CHIEF ENGINEER
APPROVED
COMMISSIONER
SECONDARY ROADS ENGINEER

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS
APPROVED:
DIVISION ENGINEER — DATE

PREPARED BY
EDWARDS AND KELCEY, INC.
ENGINEERS AND CONSULTANTS
BOSTON, MASSACHUSETTS

DRAWN BY: EDWARDS AND KELCEY, INC. DATE
CHECKED BY: BOSTON, MASSACHUSETTS DATE

PROJ. NO.	SHEET NO.	TOTAL SHEETS
I 89-1(44)53	1	221

FED. ROAD DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	M. M.				

B.M. 698 Sta. 698+00 M.S. ℄ 108' Lt. Spike in Root 3.7' Butternut
Elev. 611.71 Book 7663
B.M. 18 Sta. 18+60 Heater Road 6' Rt. Spike in Root 8.0' Elm
Elev. 593.72 Book 7663

Note: Buildings To Be Removed By Others By May 1, 1965

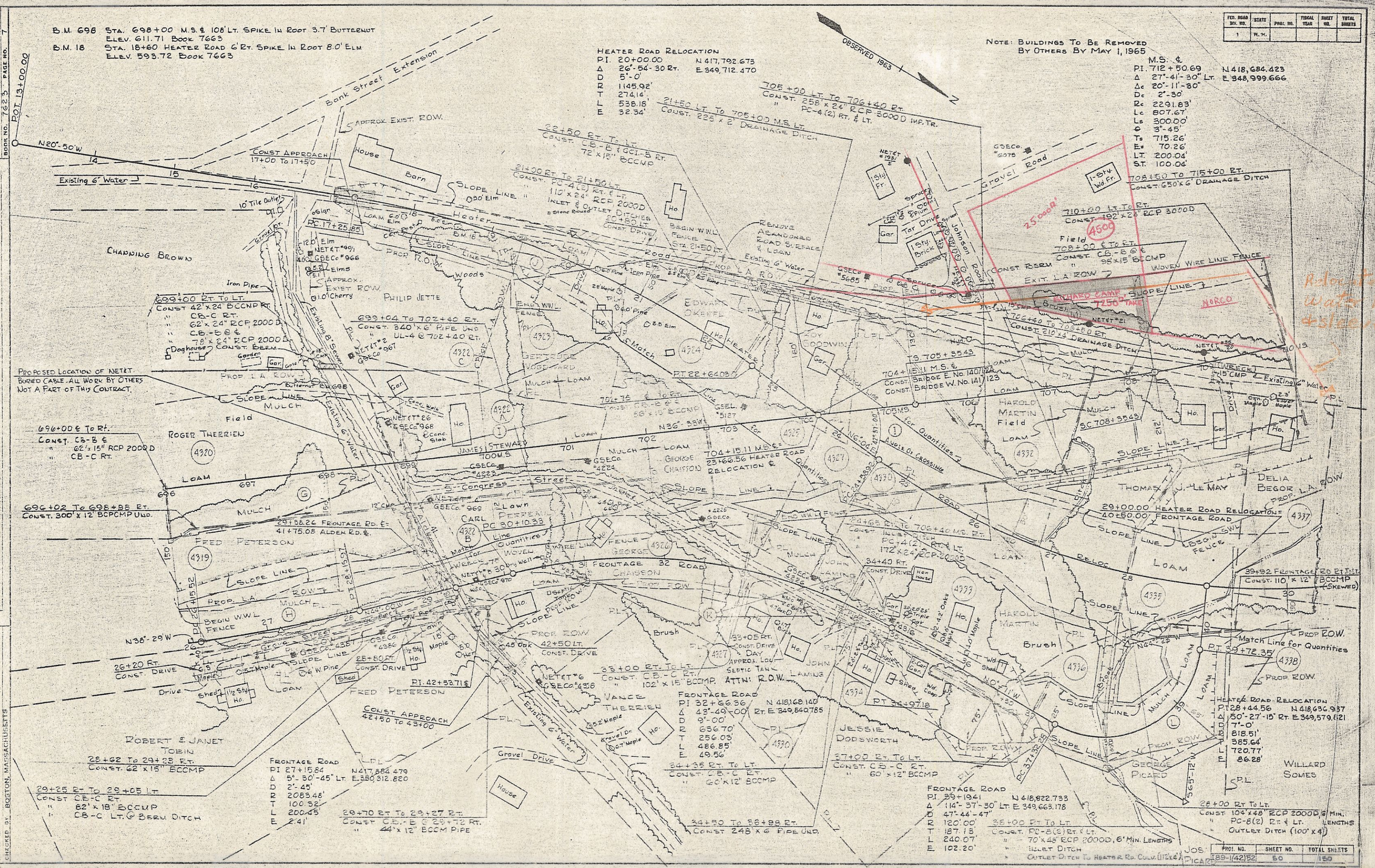
M.S. ℄
P.I. 712 + 50.69 N 418,684.423
Δ 27°-41'-30" Lt. E 348,999.666
Δc 20°-11'-30"
Dc 2°-30'
Rc 2291.83'
Lc 807.67'
Ls 300.00'
Θ 3°-45'
Ts 715.26'
Es 70.26'
L.T. 200.04'
S.T. 100.04'

Heater Road Relocation
P.I. 20+00.00 N 417,792.673
Δ 26°-54'-30 Rt. E 349,712.470
D 5°-0'
R 1145.92'
T 274.14'
L 538.18'
E 32.34'

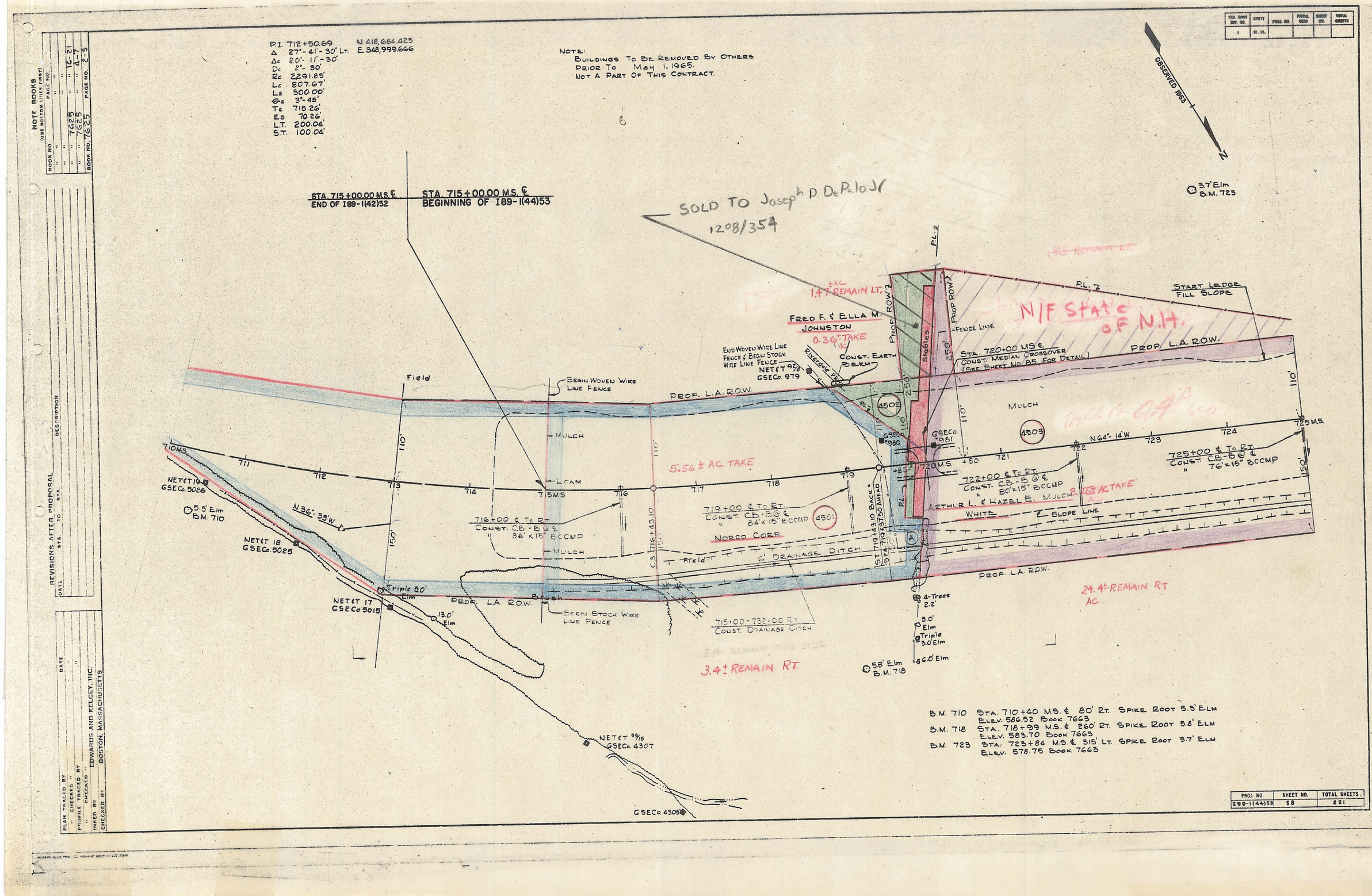
Note Books (Use Button Lines First)
Book No. " " Page No. 1-15
" " " " 76.65 " 55.63
" " " " 76.97
Book No. 7622.3 Page No. 7

Revisions After Proposal — Date — By — Description

Plan traced by
" checked "
Profile traced by
" checked "
Inked by Edwards and Kelcey, Inc.
Checked by Boston, Massachusetts



PROJ. NO.	SHEET NO.	TOTAL SHEETS
189-1/42152	50	150



P.I. 712+50.69 N 418,684.423
Δ 27°-41'-30" Lt. E 348,999.666
Δc 20°-11'-30"
Dc 2°-30'
Rc 2291.83'
Lc 807.67'
Ls 300.00'
θs 3°-45'
Ts 715.26'
Es 70.26'
L.T. 200.04'
S.T. 100.04'
NOTE:
BUILDINGS TO BE REMOVED BY OTHERS
PRIOR TO MAY 1, 1965.
NOT A PART OF THIS CONTRACT.
OBSERVED 1963
N
STA. 715+00.00 M.S. ℄
END OF I89-1(42)52
STA. 715+00.00 M.S. ℄
BEGINNING OF I89-1(44)53
SOLD TO Joseph D. DePalo Jr
1208/354
3.7' Elm
B.M. 723
1.47± AC REMAIN LT.
FRED F. & ELLA M. JOHNSTON
0.36± AC TAKE
N/F State of N.H.
START LEDGE FILL SLOPE
PROP. L.A. R.O.W.
STA. 720+00 MS ℄
CONST. MEDIAN CROSSOVER
(SEE SHEET NO. 85 FOR DETAIL)
FENCE LINE
PROP. ROW
Stables
END WOVEN WIRE LINE FENCE & BEGIN STOCK WIRE LINE FENCE
NET&T 92/8
GSECo. 979
CONST. EARTH BERM
Riverdale Pkwy
BEGIN WOVEN WIRE LINE FENCE
Field
MULCH
LOAM
5.56± AC TAKE
4502
4503
GSECo. 980
GSECo. 981
N64°-14'W
725+00 ℄ To RT.
CONST. C.B.-B @ ℄
76'x15" BCCMP
722+00 ℄ To RT.
CONST. C.B.-B @ ℄
80'x15" BCCMP
ARTHUR L. & HAZEL E. MULCH
8.75± AC TAKE
WHITE
SLOPE LINE
719+00 ℄ To RT.
CONST. C.B.-B @ ℄
84'x15" BCCMP
4501
NORCO CORP.
716+00 ℄ To RT.
CONST. C.B.-B @ ℄
86'x15" BCCMP
6' DRAINAGE DITCH
Field
PROP. L.A. R.O.W.
24.4± REMAIN RT AC
4-Trees 2.2'
5.0' Elm
Triple 3.0' Elm
6.0' Elm
5.8' Elm
B.M. 718
3.4± REMAIN RT.
715+00-732+00 RT.
CONST. DRAINAGE DITCH
BEGIN STOCK WIRE LINE FENCE
PROP. L.A. R.O.W.
Brush
Triple 5.0' Elm
13.0' Elm
NET&T 17
GSECo 5015
NET&T 18
GSECo. 5025
NET&T 19
GSECo. 5026
5.5' Elm
B.M. 710
N36°-33'W
710 M.S.
711
712
713
714
715 MS
716
717
718
719
720 M.S.
721
722
723
724
725 M.S.
NET&T 33/15
GSECo. 4307
GSECo. 4305
B.M. 710 STA. 710+40 M.S. ℄ 80' RT. SPIKE ROOT 5.5' ELM
ELEV. 586.52 BOOK 7663
B.M. 718 STA. 718+99 M.S. ℄ 260' RT. SPIKE ROOT 5.8' ELM
ELEV. 583.70 BOOK 7663
B.M. 723 STA. 723+84 M.S. ℄ 315' LT. SPIKE ROOT 3.7' ELM
ELEV. 578.75 BOOK 7663
PROJ. NO. I89-1(44)53
SHEET NO. 58
TOTAL SHEETS 221
NOTE BOOKS
(USE BOTTOM LINES FIRST)
BOOK NO. 7625 PAGE NO. 16-21
BOOK NO. 7625 PAGE NO. 4-7
BOOK NO. 7625 PAGE NO. 2-3
REVISIONS AFTER PROPOSAL
DATE STA. TO STA. DESCRIPTION
PLAN TRACED BY
CHECKED
PROFILE TRACED BY
CHECKED
INKED BY
CHECKED BY
EDWARDS AND KELCEY, INC.
BOSTON, MASSACHUSETTS

FED. ROAD DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	N. H.				

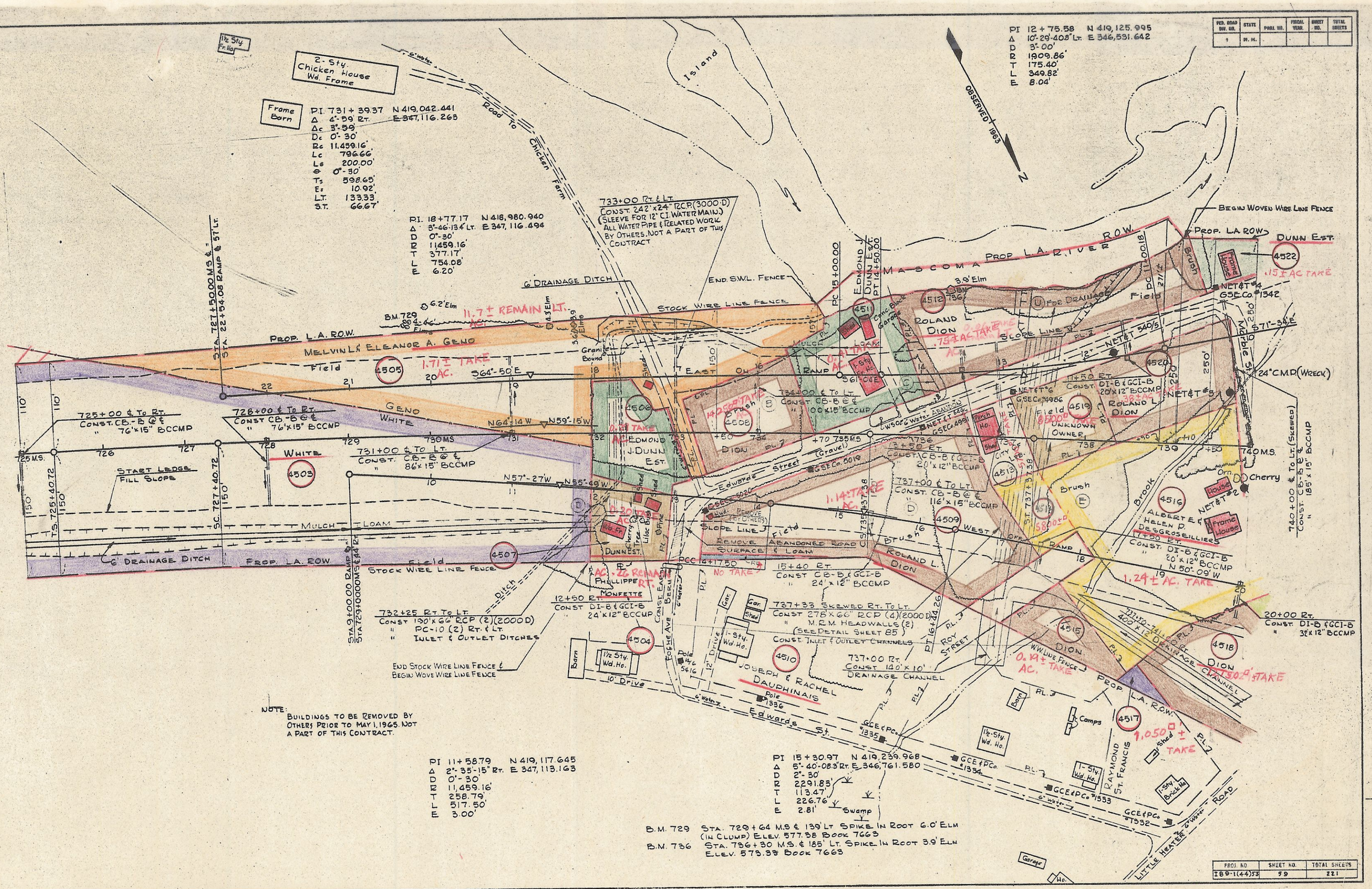
NOTE BOOKS (USE BOTTOM LINES FIRST)

BOOK NO.	PAGE NO.	
"	"	"
"	"	14-21
"	7621	25-28
"	7625	16-21
BOOK NO. 7625		PAGE NO. 4-7

REVISIONS AFTER PROPOSAL

DATE	STA.	TO STA.	DESCRIPTION

PLAN TRACED BY
" CHECKED "
PROFILE TRACED BY
" CHECKED "
INKED BY EDWARDS AND KELCEY, INC.
CHECKED BY BOSTON, MASSACHUSETTS

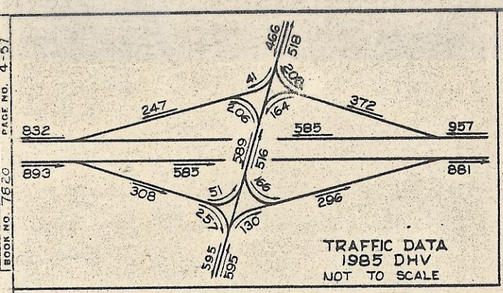


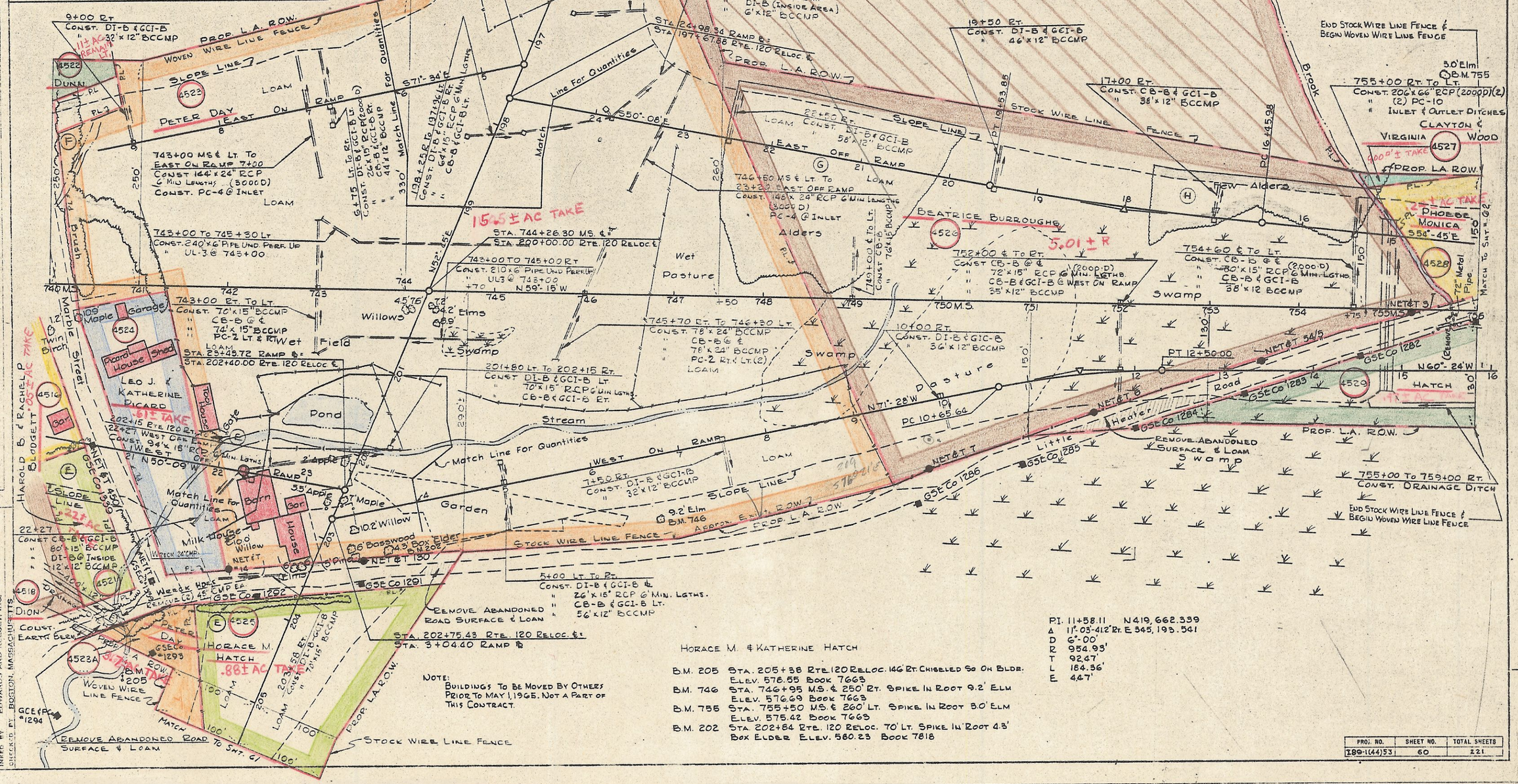
PROJ. NO.	SHEET NO.	TOTAL SHEETS
189-1(44)53	59	221

FED. ROAD INV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	N. H.				

NOTE BOOKS (USE BOTTOM LINES FIRST)

BOOK NO.	PAGE NO.
" "	" "
" "	18-21
" 7821	" 55-56
" 7820	" 4-7 & 2342
" 7625	
BOOK NO. 7820	PAGE NO. 4-57





PROJ. NO.	SHEET NO.	TOTAL SHEETS
I 89-1(44)53	60	221

REVISIONS AFTER PROPOSAL

DATE	STA.	TO	STA.	DESCRIPTION

PLAN TRACED BY
" CHECKED BY
PROFILE TRACED BY
" CHECKED BY
INKED BY EDWARDS AND KELCEY, INC.
CHECKED BY BOSTON, MASSACHUSETTS

MORRIS BLUE PRINT CO. 1800-697 MICROWEAVE 21598

FED. ROAD SUV. DIS.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	N. H.				

NOTE BOOKS (USE BOTTOM LINES FIRST)

BOOK NO.	PAGE NO.
" "	" "
" "	" "
" "	" "
" " 5649	" " 75
BOOK NO. 7818	PAGE NO. 18-33

TRAFFIC SIGNAL CONDUIT

ITEM 641.3
3" CONDUIT, CONCRETE ENCASED
INCLUDING SPECIFIED EXCAVATION

STATION	APPROX. LENGTH
50+85± SCHOOL ACCESS RD.	42'
RTE. 120 RELOCATION	
209+13± TO 209+99±	86'
210+09 RT.	34'
208+95 LT.	34
SHEET TOTAL	196'

TRAFFIC SIGNAL CONDUIT

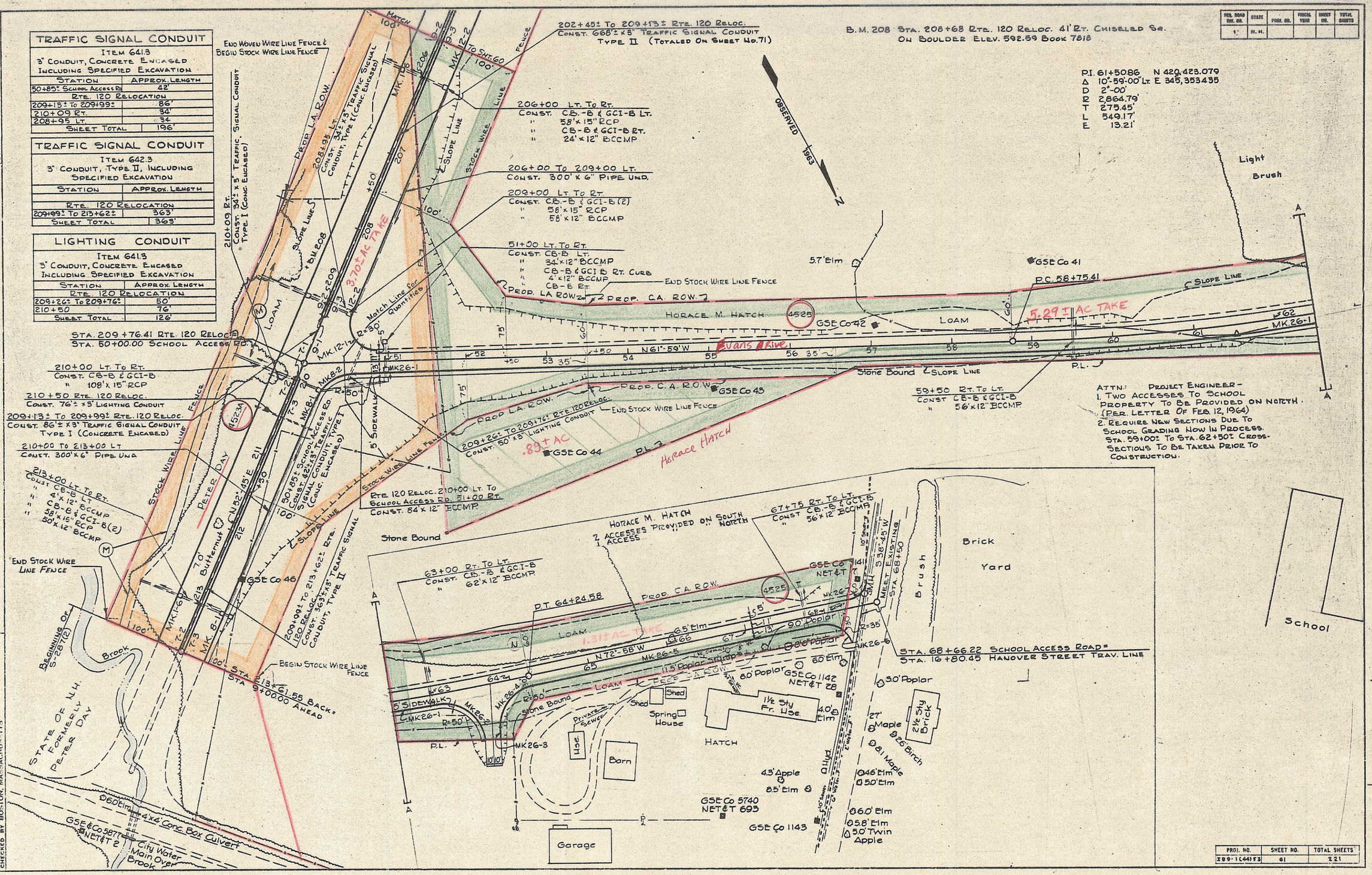
ITEM 642.3
3" CONDUIT, TYPE II, INCLUDING SPECIFIED EXCAVATION

STATION	APPROX. LENGTH
RTE. 120 RELOCATION	
209+99± TO 213+62±	363'
SHEET TOTAL	363'

LIGHTING CONDUIT

ITEM 641.3
3" CONDUIT, CONCRETE ENCASED
INCLUDING SPECIFIED EXCAVATION

STATION	APPROX. LENGTH
RTE. 120 RELOCATION	
209+26± TO 209+76±	50'
210+50	76'
SHEET TOTAL	126'



PROJ. NO.	SHEET NO.	TOTAL SHEETS
X89-1(44)53	61	221

REVISIONS AFTER PROPOSAL

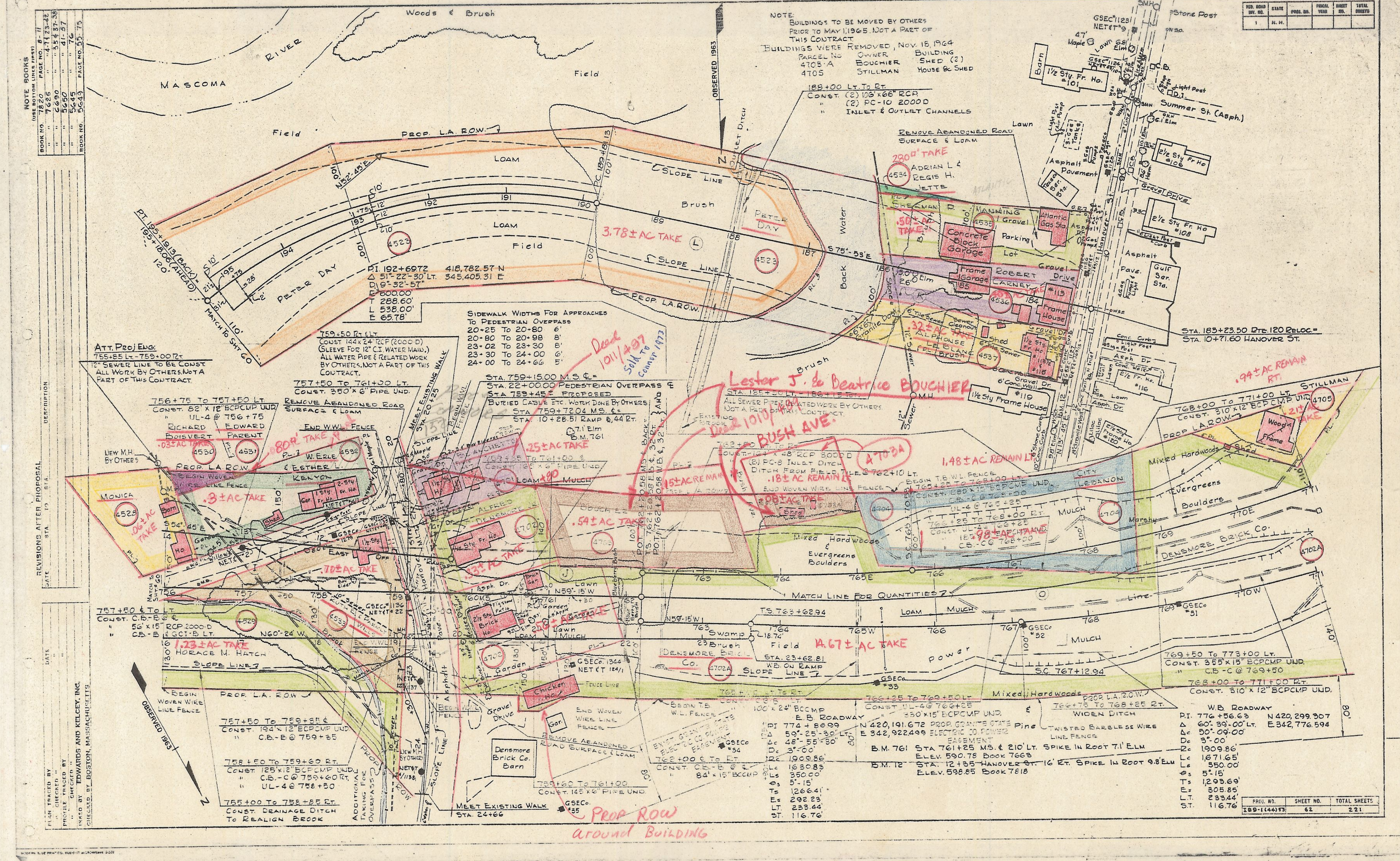
DATE	STA.	TO	STA.

DESCRIPTION

DATE	
"	"
"	"

PLAN TRACED BY
" CHECKED "
PROFILE TRACED BY
" CHECKED "
INKED BY EDWARDS AND KELCEY, INC.
CHECKED BY BOSTON, MASSACHUSETTS

MODERN BLUE PRINT CO. 1960-9-57 MICROWAVE 27519



NOTE BOOKS (USE BOTTOM LINES FIRST)
BOOK NO. 7820 PAGE NO. 8-11
7625 4-7 & 23-42
6690 35 & 37-38
5650 41-57
5645 76
BOOK NO. 5649 PAGE NO. 55-75
MASCOMA RIVER
Woods & Brush
Field
Loam
Brush
Water
Back
PROP. L.A. ROW
SLOPE LINE
PETER DAY
4523
3.78 ± AC TAKE
P.T. 195+19.13 (BACK) = 195+18.06 (AHEAD)
MATCH TO SHT 60
N52°-45'E
S75°-53'E
P.C. 189+81.13
OBSERVED 1963
OUTLET DITCH
P.I. 192+69.72 418,782.57 N
Δ 51°-22'-30" LT. 345,405.31 E
D 9°-32'-57"
R 600.00'
T 288.60'
L 538.00'
E 65.78'
NOTE: BUILDINGS TO BE MOVED BY OTHERS PRIOR TO MAY 1, 1965. NOT A PART OF THIS CONTRACT
BUILDINGS WERE REMOVED, NOV. 18, 1964
PARCEL NO OWNER BUILDING
4705-A BOUCHIER SHED (2)
4705 STILLMAN HOUSE & SHED
188+00 LT. TO RT.
CONST. (2) 106' x 66" RCP
(2) PC-10 2000 D
INLET & OUTLET CHANNELS
REMOVE ABANDONED ROAD SURFACE & LOAM
280□' TAKE
4534 ADRIAN L. & REGIS H. JETTE
SHERMAN P. MANNING
.50 ± AC TAKE
4535
Concrete Block Garage
Atlantic Gas Sta.
Parking Lot
Gravel Drive
Frame Garage 185
ROBERT CARNEY
4536
#113 Frame House
.32 ± AC TAKE
ALPHONSE LE BLANC
4537
1½ Sty. Fr. Ho. #113½ & #115
#119 1½ Sty Frame House
Hanover St.
Summer St. (Asph.)
1½ Sty. Fr. Ho. #101
Barn
2½ Sty Fr Ho #106
2½ Sty Fr. Ho #108
Gulf Ser. Sta.
Texaco Ser. Sta.
Asphalt Pavement
2½ Fr. Ho. #116
2½ Sty Frame Ho. #120
GSEC #1123 NET&T #9
Stone Post
STA. 183+23.50 RTE. 120 RELOC. = STA. 10+71.60 HANOVER ST.
N 13°-45' E
ATT. PROJ ENG: 755+85 LT. - 759+00 RT.
12" SEWER LINE TO BE CONST. ALL WORK BY OTHERS. NOT A PART OF THIS CONTRACT.
759+50 RT & LT.
CONST. 144 x 24" RCP (2000-D) (SLEEVE FOR 12" C.I. WATER MAIN.) ALL WATER PIPE & RELATED WORK BY OTHERS. NOT A PART OF THIS CONTRACT.
SIDEWALK WIDTHS FOR APPROACHES TO PEDESTRIAN OVERPASS
20+25 TO 20+80 6'
20+80 TO 20+98 8'
23+02 TO 23+30 8'
23+30 TO 24+00 6'
24+00 TO 24+66 5'
Deed 1011/487 Sold To Connor 1973
STA. 759+15.00 M.S. ℄ = STA. 22+00.00 PEDESTRIAN OVERPASS ℄
STA 759+45± PROPOSED
BURIED CABLE ETC. WORK DONE BY OTHERS
STA. 759+72.04 M.S. ℄ = STA. 10+28.51 RAMP ℄, 44' RT.
Lester J. & Beatrice BOUCHIER
STA. 185+50 LT. - 186+15 RT.
ALL SEWER PIPE & RELATED WORK BY OTHERS NOT A PART OF THIS CONTRACT.
Deed 1010/489
BUSH AVE.
4703A
757+50 TO 761+00 LT.
CONST. 350' x 6" PIPE UND.
756+75 TO 757+50 LT.
CONST. 82' x 12" BCPCMP UND.
UL-4 @ 756+75
REMOVE ABANDONED ROAD SURFACE & LOAM
RICHARD BOISVERT .03 ± AC TAKE 4530
EDWARD PARENT 4531
80□' TAKE
W. ERLE & ESTHER L. KENYON 4532
.3 ± AC TAKE
MONICA 4528
.06 ± AC TAKE
END W.W.L. FENCE
MEET EXISTING WALK STA. 20+25
.25 ± AC TAKE
759+35 TO 761+00
CONST. 165' x 6" PIPE UND.
ALFRED DENSMORE JR.
4702
.33 ± AC TAKE
.54 ± AC TAKE
4703
BOUCHIER
.15 ± AC REMAIN
762+50 LT. TO RT.
CONST. 164' x 48" RCP 3000 D
(2) PC-8 INLET DITCH
DITCH FROM FIELD TILE @ 762+10 LT.
.18 ± AC REMAIN LT.
END WOVEN WIRE LINE FENCE
.08 ± AC TAKE
Shed
1.48 ± AC REMAIN LT.
BEGIN T.B.W.L. FENCE
765+25 TO 768+00 LT.
CONST. 280' x 12" BCPCMP UND.
C.B.-C @ 768+00
UL-4 @ 765+25
4704
.98 ± AC TAKE
CITY LEBANON
.94 ± AC REMAIN RT.
STILLMAN 4705
.21 ± AC TAKE
Wood Frame
768+00 TO 771+00 LT.
CONST. 310' x 12" BCPCMP UND.
Mixed Hardwoods & Evergreens Boulders
Marshy
DENSMORE BRICK CO.
4702A
MATCH LINE FOR QUANTITIES
.70 ± AC TAKE
1.23 ± AC TAKE
HORACE M. HATCH
4529
4533
RUTH E. & PARMLEY WELLS
757+50 ℄ TO LT.
CONST. C.B.-B @ ℄
56' x 15" RCP 2000-D
C.B.-B & GCI-B LT.
N60°-24'W
N59°-15'W
.56 ± AC TAKE
2½ Sty. Brick Ho.
Chicken Ho.
Densmore Brick Co. Barn
T.S. 763+62.94
STA. 23+62.81 W.B. ON RAMP
14.67 ± AC TAKE
DENSMORE BRICK CO. 4702A
Swamp
Field
Power
Mulch
S.C. 767+12.94
757+50 TO 759+85 ℄
CONST. 194' x 12" BCPCMP UND.
C.B.-B @ 759+85
758+50 TO 759+60 RT.
CONST. 125' x 12" BCPCMP UND.
C.B.-C @ 759+60 RT.
UL-4 @ 758+50
755+00 TO 758+85 RT.
CONST. DRAINAGE DITCH TO REALIGN BROOK
ADDITIONAL TAKING FOR OVERPASS
PROP ROW around BUILDING
759+60 TO 761+00
CONST. 145' x 6" PIPE UND.
MEET EXISTING WALK STA. 24+66
REMOVE ABANDONED ROAD SURFACE & LOAM
762+00 ℄ TO RT.
CONST. C.B.-B @ ℄
84' x 15" BCCMP
765+40 LT. TO RT.
CONST. C.B.-B LT.
100' x 24" BCCMP
E.B. ROADWAY
P.I. 774+86.99
Δ 59°-25'-30" LT.
Δc 48°-55'-30"
Dc 3°-00'
Rc 1909.86'
Lc 1630.83'
Ls 350.00'
θs 5°-15'
Ts 1266.41'
Es 292.23'
LT. 233.44'
ST. 116.76'
N 420,191.672 PROP. GRANITE STATE ELECTRIC CO. POWER EASEMENT
E 342,922.499
EXIST. GRANITE STATE ELECTRIC CO. POWER EASEMENT
766+25 TO 769+50 LT.
CONST. UL-4 @ 766+25
350' x 15" BCPCMP UND.
766+75 TO 768+25 RT.
WIDEN DITCH
TWISTED BARBLESS WIRE LINE FENCE
B.M. 761 STA 761+25 M.S. ℄ 210' LT. SPIKE IN ROOT 7.1' ELM
ELEV. 590.78 BOOK 7663
B.M. 12 STA. 12+35 HANOVER ST. 16' RT. SPIKE IN ROOT 9.8' ELM
ELEV. 598.85 BOOK 7818
769+50 TO 773+00 LT.
CONST. 355' x 15" BCPCMP UND.
C.B.-C @ 769+50
768+00 TO 771+00 RT.
CONST. 310' x 12" BCPCMP UND.
W.B. ROADWAY
P.I. 776+56.63 N 420,299.307
Δ 60°-39'-00" LT. E 342,776.594
Δc 50°-09'-00'
Dc 3°-00'
Rc 1,909.86'
Lc 1,671.65'
Ls 350.00'
θs 5°-15'
Ts 1,293.69'
Es 305.85'
L.T. 233.44'
S.T. 116.76'
FED. ROAD DIV. NO. 1 STATE N.H.
PROJ. NO. I89-1(44)53 SHEET NO. 62 TOTAL SHEETS 221
REVISIONS AFTER PROPOSAL
PLAN TRACED BY / CHECKED / PROFILE TRACED BY / CHECKED / INKED BY EDWARDS AND KELCEY, INC. / CHECKED BY BOSTON, MASSACHUSETTS

FED. ROAD DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	N. H.				

REVISED AFTER PROPOSAL 1
DATE JUN 3 1965

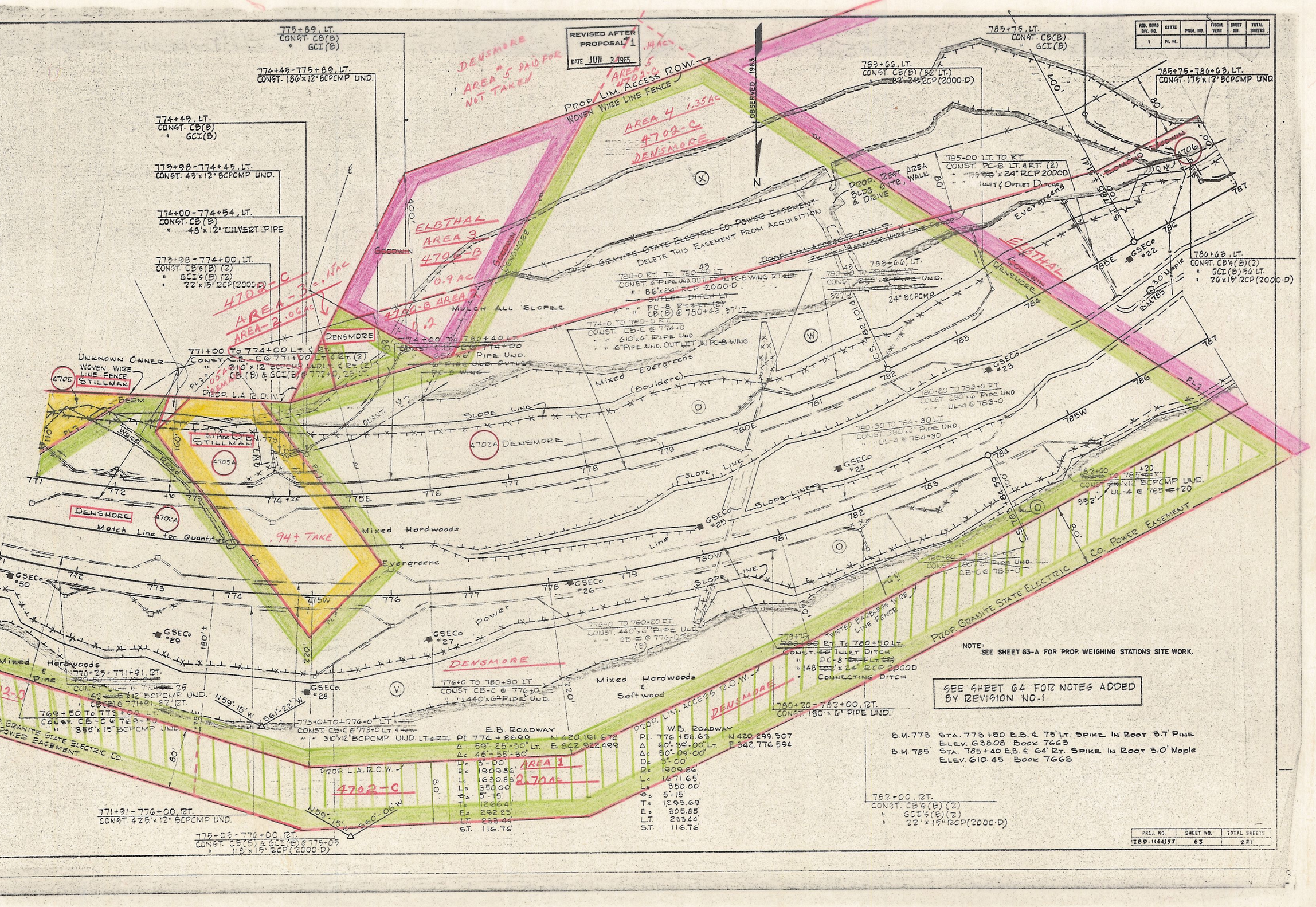
NOTE BOOKS (USE BOTTOM LINES FIRST)

BOOK NO.	PAGE NO.
" "	" "
" " 7696	" " 2-10
" " 7697	" " 3-12
" " 7626	" " 2-8
BOOK NO. 7627	PAGE NO. 2-7

REVISIONS AFTER PROPOSAL

DATE	STA. TO STA.	DESCRIPTION
JUN 3 1965	766+10 EB & WB - 791+10 EB & WB	SLOPE LINES & DRAINAGE REVISED (by J.H. E.&R.) Rev. #1

PLAN SCALE 1" = 40'
PROFILE TRACE 1" = 4'
DATE
PROFILE TRACE 1" = 4'
DRAWN BY EDWARDS AND KELCEY, INC.
CHECKED BY BOSTON, MASSACHUSETTS



NOTE:
SEE SHEET 63-A FOR PROP. WEIGHING STATIONS SITE WORK.

SEE SHEET 64 FOR NOTES ADDED BY REVISION NO. 1

B.M. 773 STA. 773+50 E.B. & 75' Lt. Spike in Root 3.7' Pine
Elev. 638.08 Book 7663
B.M. 785 STA. 785+40 E.B. & 64' Rt. Spike in Root 3.0' Maple
Elev. 610.45 Book 7663

PROJ. NO.	SHEET NO.	TOTAL SHEETS
IBD-1(44)53	63	221

FED. ROAD DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	N. H.				

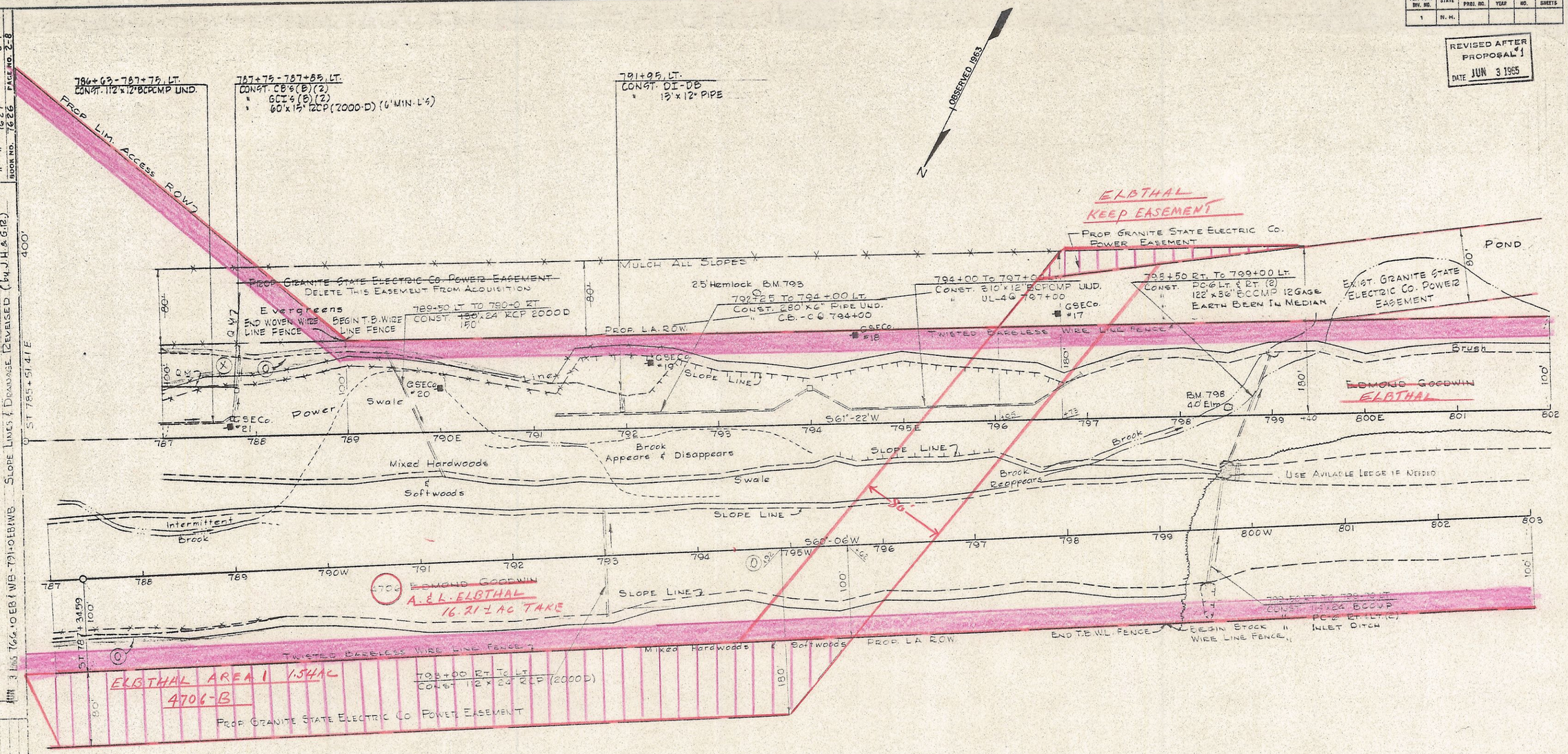
REVISED AFTER PROPOSAL
DATE JUN 3 1965

NOTE BOOKS (USE BOTTOM LINES FIRST)

BOOK NO.	PAGE NO.
" "	" " 2-10
7696	" " 2-12
7697	" " 2-7
7627	" " 2-7
BOOK NO. 7626	PAGE NO. 2-8

REVISION - AFTER PROPOSAL

3	1965	766+0 EB & WB-791+0 EB WB	SLOPE LINES & DRAINAGE REVISED (EW, J.H. & G.R.)



B.M. 793 STA. 793+45 E.B. ℄ 136' LT. SPIKE IN ROOT 2.5' HEMLOCK ELEV. 615.68 BOOK 7663

B.M. 798 STA. 798+52 E.B. ℄ 10' LT. SPIKE IN ROOT 4.0' ELM ELEV. 752.80 BOOK 7663

NOTES: (REVISION NO. 1)

1) SAVE ALL DESIRABLE GROWTH POSSIBLE IN INDICATED C. & G. AREAS
2) ROADSIDE CLEANUP, ITEM 111-1, IS TO EXTEND TO R.O.W. LINES STA. 772-792 E & STA. 769-793 W.
3) WORK OF PROPOSED REST AREA BLDG. SITE CLEARANCE, WALK & DRIVE IS APPROXIMATE AS INDICATED. CONTRACTOR SHALL NOT PROCEED ON IT UNTIL ORDERED.
4) NEW SECTIONS SHALL BE TAKEN ON REST AREA ROADWAY PRIOR TO CONSTRUCTION.
5) LIMITS OF ROUGH EXCAVATION FOR SCALES & BLDGS. (SHEETS 226 & 227) ARE APPROXIMATE & MAY BE VARIED TO SUIT THE SCALE ENCLOSURES TO BE INSTALLED BY THE SCALE CONTRACTOR.

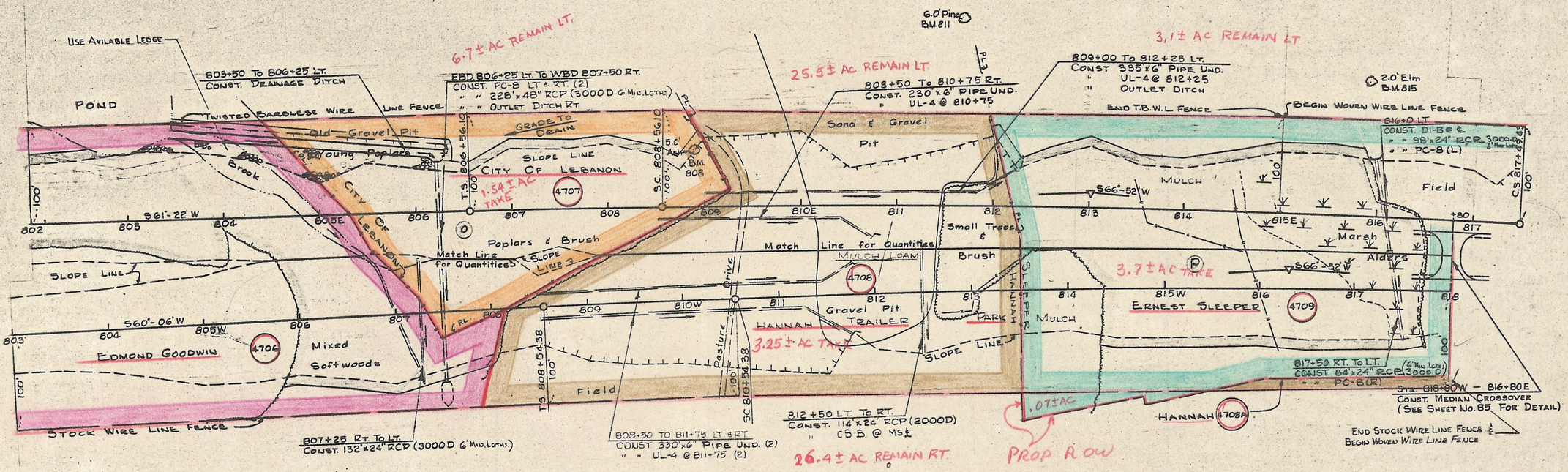
PROJ. NO.	SHEET NO.	TOTAL SHEETS
189-1(44)53	64	221

PLAN TRACED BY
" CALCULATED BY
PROFILE CHECKED BY
" CHECKED "
INTERCHANGE CHECKED BY
CHECKED BY BOSTON, MASSACHUSETTS

HOWARD S. KELCEY, INC.

FED. ROAD QUY. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	N. H.				

E.B. ROADWAY
P.I. 813+03.17 N 417,420.979
Δ 5°-28'-00" Rt. E 340,013.764
Δc 4°-28'-00"
Dc 0°-30'
Rc 11,459.16'
Lc 893.33'
Ls 200.00'
θs 0°-30'
Ts 647.07'
Es 19.21'
L.T. 133.33'
S.T. 66.67'



B.M. 808 STA. 808+89 E.B. ℄ 57' LT. SPIKE IN ROOT 50' ASH
ELEV. 571.03 BOOK 7668
B.M. 811 STA. 811+65 E.B. ℄ 195' LT. SPIKE IN ROOT 6.0' PINE
ELEV. 560.26 BOOK 7668
B.M 815 STA. 815+92 E.B. ℄ 120' LT. SPIKE IN ROOT 2.0' ELM
ELEV. 522.51 BOOK 7668

W.B. ROADWAY
P.I. 816+31.85 N 417,341.201
Δ 6°-46'-00" Rt. E 339,808.418
Δc 5°-46'-00"
Dc 0°-30'
Rc 11,459.16'
Lc 1,153.33'
Ls 200.00'
θs 0°-30'
Ts 777.47'
Es 20.16'
L.T. 133.33'
S.T. 66.67'

NOTE BOOKS
(USE BOTTOM LINE FIRST)

BOOK NO.	PAGE NO.
" "	" "
" " 7697	" " 3-12
" " 7696	" " 2-10
" " 7627	" " 2-7
BOOK NO. 7626	PAGE NO. 2-8

REVISIONS AFTER PROPOSAL

DATE	STA.	TO	STA.	DESCRIPTION

PLAN TRACED BY
" CHECKED "
PROFILE TRACED BY
" CHECKED "
INKED BY EDWARDS AND KELCEY, INC.
CHECKED BY BOSTON, MASSACHUSETTS

PROJ. NO.	SHEET NO.	TOTAL SHEETS
I 89-1(44)53	65	221

FED. ROAD DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	N. H.				

NOTE BOOKS (USE BOTTOM LINES FIRST)

BOOK NO.	PAGE NO.
" " 7822	" " 3-15
" " 7697	" " 3-19
" " 7696	" " 20-40-51
BOOK NO. 7627	PAGE NO. 2-8

REVISIONS AFTER PROPOSAL

DATE	STA. TO STA.

DESCRIPTION

PLAN TRACED BY
PLAN CHECKED "
PROFILE TRACED BY
" CHECKED "
TYPED BY EDWARDS AND KELCEY, INC.
CHECKED BY BOSTON, MASSACHUSETTS

Under ground Cable
NET & T # 1029
GSECo. # 147

15+90 - 16+40 LT.
CONST. 54"x12" CUL PIPE

CONST. APPROACH
STA. 16+00

16+20 LT
CONST DRIVE

ANGLE POINT 16+50

MASCOMA ST.
PI. 18+17.79 N 416,997.034
Δ 27-46'-30" Lt. E 339,730.214
D 14°-00'
R 410.28'
T 101.44'
L 198.41'
E 12.35'

PC. 17+16.35

PROP ROW

WOVEN WIRE LINE FENCE

818+10 LT. TO 820+12 RT.
CONST. CB-C @ 818+10
" " 94"x15" RCP 2000.D
" " CB-B @ 819+80
" " 72"x15" RCP 2000.D
" " CB-C @ 820+12

Field
MULCH
LOAM
817
SLEEPER
HARVEY BASSEY & HERSEY PACKARD
4709
818
Field
Shed
SLOPE LINE
MULCH
LOAM
4710
Gravel
.50± AC TAKE
PROP STA. 820+57.37 W.B. ℄
20+84.50 MASCOMA ST. ℄
LARAWAY
818+50 TO 819+80 ℄
CONST. 135'x6" PIPE UND.
WOVEN WIRE LINE FENCE
2.5± AC REMAIN LT.
Match Line for Quantities
820+0 TO 822+50 LT
CONST. 255'x6" PIPE UND.
(PERF. UP)
818+50 TO 820+12 RT.
CONST. 165'x6" PIPE UND.

LEON ARMSTRONG
4711

MASCOMA ST.
PI. 22+19.82 N417,123.034
Δ 7°-50'-00" Lt. E 339,343.682
D 8°-00'
R 716.78'
T 49.04'
L 97.92'
E 1.68'

W.B. ROADWAY
PI 816+31.85 N417,341.201
Δ 6°-46'-00" Rt. E 339,808.418
Δc 5°-46'-00'
Dc 0°-30'
Rc 11,459.16'
Lc 1,153.33'
Ls 200.00'
Θs 0°-30'
Ts 777.47'
Es 20.16'
L.T. 133.33'
S.T. 66.67'

ROMAN CATHOLIC BISHOP
4722
.1± AC TAKE
NET & T # 1156
GSECo. # 154
Field

E.B. ROADWAY
PI. 813+03.17 N417,420.979
Δ 5°-28'-00" Rt. E 340,013.764
Δc 4°-28'-00"
Dc 0°-30'
Rc 11,459.16'
Lc 893.33'
Ls 200.00'
Θs 0°-30'
Ts 647.07'
Es 19.21'
L.T. 133.33'
S.T. 66.67'

1-Sty. Brick House
SLOPE LINE
46" Pine
63" Pine
33'
NET & T # 1028
GSECo. # 148
SEWER & WATER SERVICE
WATER LINE TO BE RELOCATED ON NEW STRUCTURE. SEE BRIDGE PLANS, PIPE & RELATED WORK BY OTHERS. NOT A PART OF THIS CONTRACT
18+40 LT
CONST DRIVE
18+25-18+50 LT
(CONST. 25'x12" CUL. PIPE
Light Hole
2½ Sty. Wood House
RICHARD LABONBARD
1.96 AC REMAIN LT.
HYD. TO BE RELOC. BY OTHERS.
GSECo. # 1601
END W.W.L. FENCE
Hyd. P.T. 19+10.76
WOVEN WIRE LINE FENCE
PROP L.A. ROW
4712
1013/2336
818+65 TO 821+32 RT.
CONST. 25'x4' PIPE UND.
(PERF. UP)
STA. 818+93.36 E.B. ℄
STA. 20+04.05 MASCOMA ST. ℄
END FENCE
ST. 819+49.43
1.23± AC TAKE
818+40 TO 821+32 LT.
CONST. 300'x6" PIPE UND.
(PERF. UP)
S 66°-52' W
Match Line for Quantities
4713
.50± AC TAKE
Drive
Dog
Trash Brick House
Cole Thomas Field
822+50 RT. TO 821+32 LT.
CONST CB-C RT & LT.
" " 70"x15" RCP 2000.D
" " CB-B MS
" " 70"x15" RCP 2000.D
1.2± AC TAKE
4714
NET & T # 1056
GSECo. # 153
PT. 22+68.70
820+12 TO 822+50 RT.
CONST 220'x12" BCPCMP UND.
(PERF. UP)
CONST. APPROACH
STA. 22+00
4716
JAMES STEWART
.48± AC REMAIN RT.
GSECo. # 1826
14 Hardwood
3 Wide Shrubs
Gravel Drive
1½ Sty. Fr. Ho.
2 Car Gar.
3 News Box
Solid Post
Hyd.
.91± AC REMAIN
4717
RICHARD CATTABRIGA
Hedgerow 12" Pine, 10' C.C.
Gravel
CITY OF LEBANON
CEMETERY
NET & T # 116
GSECo. # 155

NOTE:
BUILDINGS TO BE MOVED BY OTHERS PRIOR TO MAY 1, 1965. NOT A PART OF THIS CONTRACT.

BUILDING WAS REMOVED, NOV 18, 1964

PARCEL NO	OWNER	BUILDING
4709	SLEEPER	HOUSE

STA. 6+25.10 SURVEY ℄ =
PC. 3493+62.43 RR. RELOC. ℄
4.06 LT.

BEGIN T.B.W.L. FENCE
STA. 36+49.54 RAMP ℄ =
STA. 821+73.45 E.B. ℄, 12 LT.
PROP ROW
.05± AC
POT. 824+67.08 MS ℄
POT. 824+90.53 E.B. ℄ =
STA. 824+67.08 MS ℄ AHEAD 32' LT.
822+50 TO 826+50 ℄
CONST. 340'x6" PIPE UND.
1.95± AC TAKE
4715
1:50 TAPER
E.B. ON RAMP ℄
S 66°-52' W
825 MS.
826
827
828
829
830 MS
822+50 TO 826+50 RT.
CONST. 345'x6" PIPE UND.
826+50 RT. TO LT.
CONST. CB-C
" " 70"x15" RCP 2000.D
" " CB-B
" " 90"x15" RCP 2000.D
1.19± AC TAKE
826+50 TO 830+0 RT.
CONST. 355'x6" PIPE UND.
1.56± AC TAKE
Foundation Blocks
Stone Bound
SLOPE LINE
WOVEN WIRE LINE FENCE
PL. Mulch
Roberts Cem. Lot
PROP L.A. ROW
B.M. 821 STA. 821+60 E.B. ℄ 145' LT. SPIKE IN ROOT 5.0' MAPLE ELEV. 546.91 BOOK 7663

KENNETH SPAULDING
SLOPE LINE
830+00 TO 831+60 ℄
CONST. 160'x6" PIPE UND.
830+0 TO 832+50 ℄
CONST. 350'x6" PIPE UND.
N 65°-43' E
GRADE TO DRAIN
Match Line for Quantities
830+0 RT. TO LT.
CONST. CB-C
" " 70"x15" RCP 2000.D
" " CB-B
" " 100"x15" RCP 2000.D
" " PC-4 LT.
Mulch
Loam
1.31± AC TAKE
830+50 TO 832+75 ℄
CONST. CB-B @ 831+80
" 105'x12" BCPCMP UND.
(PERF. UP)
END W.W. FENCE

PI. 3495+67.94 N416,228.959
Δ 4°-06'-30" Lt. E 339,268.667
D 1°-00'
R 5729.65'
T 205.51'
L 410.83'
E 3.68'

WUT
3494
NE 01°-06' W
3495
B & M RAILROAD
4720
3496
END FENCE
3497
PT. 3497+73.26
3498
STOCK WIRE LINE FENCE
MULCH
LOAM
PROP ROW
OBSERVED 1953
RR. 3498+81 LEFT
REMOVE EXIST 2'x7' STONE HEADER & END STONES
CONST. JUNCTION BOX
" " 30'-58"x36" BCCMP ARCH. 8 GAGE
" " HDR. SIMILAR TO PC-2
(FOR DETAIL SEE SHEET No. 85)
EXIST. STONE CULVERT
.02± AC REMAIN LT.
PROP ROW
3499
NE 64°-08' W
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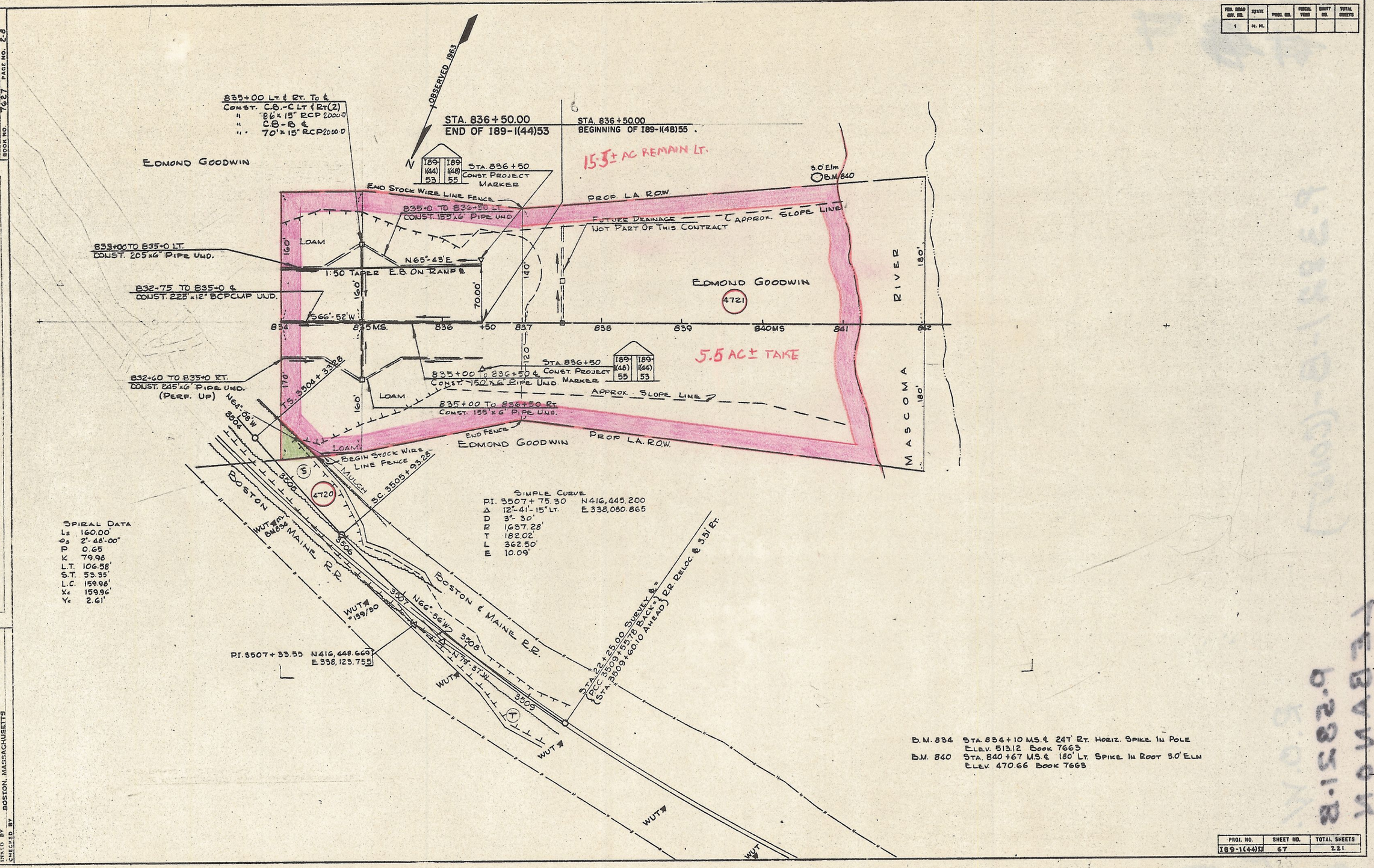
PROJ. NO.	SHEET NO.	TOTAL SHEETS
209-1(4)153	86	221



SIMPLE CURVE
P.I. 3507+75.30 N416,445.200
Δ 12°-41'-15" LT. E338,080.865
D 3°-30'
R 1637.28'
T 182.02'
L 362.50'
E 10.09'

SPIRAL DATA
L_s 160.00'
θ_s 2°-48'-00"
P 0.65
K 79.98
L.T. 106.58'
S.T. 53.35'
L.C. 159.98'
X_c 159.96'
Y_c 2.61'

B.M. 834 STA. 834+10 M.S. ℄ 247' RT. HORIZ. SPIKE IN POLE
ELEV. 513.12 BOOK 7663
B.M. 840 STA. 840+67 M.S. ℄ 180' LT. SPIKE IN ROOT 3.0' ELM
ELEV. 470.66 BOOK 7663

FED. ROAD DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	N. H.				

PROJ. NO.	SHEET NO.	TOTAL SHEETS
I89-1(44)53	67	221

NOTE BOOKS (USE BOTTOM LINES FIRST)
BOOK NO. 7696 PAGE NO. 11-22 & 20-37
BOOK NO. 7627 PAGE NO. 2-8

REVISIONS AFTER PROPOSAL
DATE STA. TO STA. DESCRIPTION

PLAN TRACED BY
" CHECKED "
PROFILE TRACED BY
" CHECKED BY
INKED BY
CHECKED BY

EDWARDS AND KELCEY, INC.
BOSTON, MASSACHUSETTS

I(89)-1(44)53
BAN