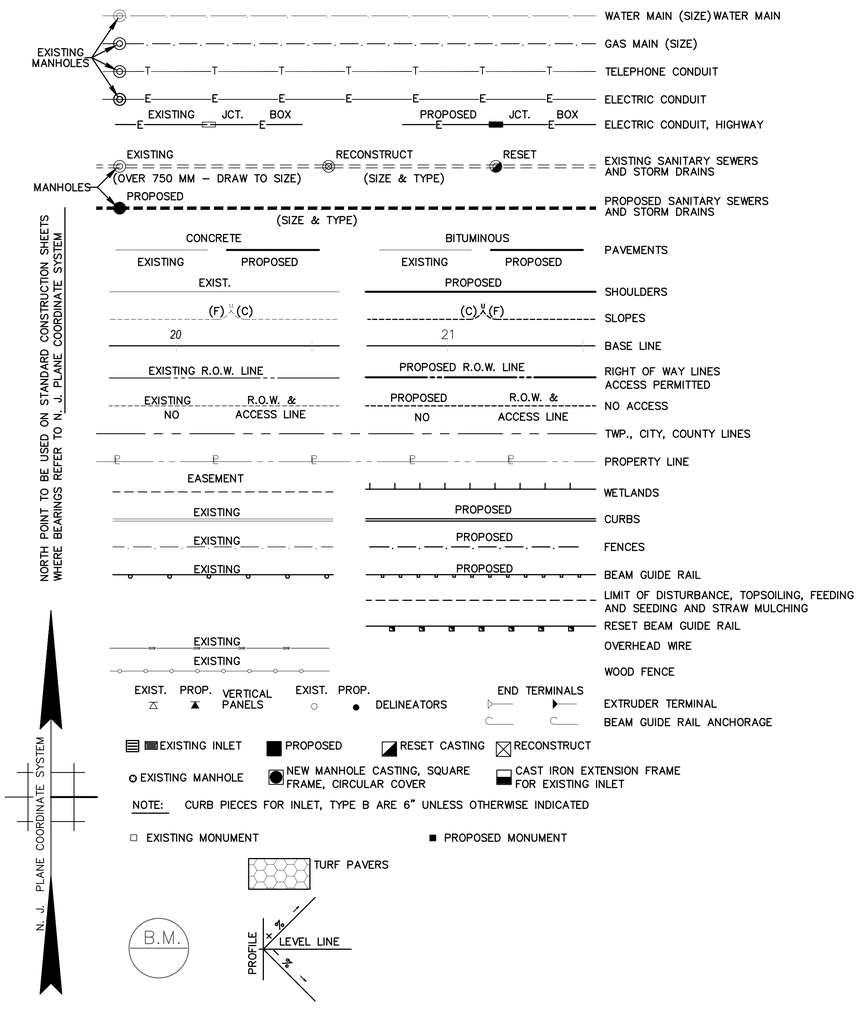
GENERAL NOTES:

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE "NEW JERSEY DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2019, U.S. CUSTOMARY ENGLISH" AS MODIFIED BY THE SUPPLEMENTARY SPECIFICATIONS. ALL COORDINATION AND COSTS ASSOCIATED WITH THE CERTIFICATION AND TESTING OF MATERIALS IN ACCORDANCE WITH THE SPECIFICATION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE INCLUDED IN THE UNIT PRICES BID FOR THE VARIOUS PAY ITEMS.
2. HORIZONTAL CONTROL IS NAD 1983 U.S. SURVEY FOOT, ENGLISH.
   VERTICAL CONTROL IS NAVD 1988 U.S. SURVEY FOOT, ENGLISH.
3. ALL DIMENSIONS AND DETAILS SHALL BE VERIFIED AND COORDINATED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
4. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES OF IMPENDING WORK AND FIELD VERIFY THE ACTUAL LOCATION OF ALL UTILITIES PRIOR TO THE START OF ANY CONSTRUCTION AND COORDINATE WORK WITH THE UTILITY COMPANIES AS REQUIRED TO MAINTAIN ALL UTILITIES DURING THE CONSTRUCTION.
5. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL NECESSARY SAFEGUARDS TO PROTECT PUBLIC SAFETY AND ADJOINING PROPERTIES.
6. ALL TRAFFIC CONTROL DEVICES SHALL BE FURNISHED AND PLACED BY THE CONTRACTOR AT LOCATIONS APPROVED BY THE ENGINEER AND MAINTAINED THROUGHOUT CONSTRUCTION, UNLESS SPECIFICALLY NOTED OTHERWISE.
7. THE CONTRACTOR SHALL FURNISH, PLACE AND MAINTAIN SHEETING, BRACING, SHORING AND OTHER SUPPORTS, ETC. FOR THE WORK. DESIGN FOR SHEETING, BRACING, SHORING AND OTHER STRUCTURAL ITEMS SHALL BE PERFORMED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW JERSEY, AND SUBMITTED FOR APPROVAL BY THE ENGINEER.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH ALL FEDERAL, STATE, COUNTY AND MUNICIPAL LAWS, ORDINANCES AND REGULATIONS.
9. A MINIMUM COMPACTION OF ALL FILL MATERIALS SHALL BE 95% STANDARD PROCTOR DENSITY (ASTM D-698).
10. ALL EARTH FILL SHALL BE FREE FROM BRUSH, ROOTS AND OTHER ORGANIC MATERIAL SUBJECT TO DECOMPOSITION.
11. ALL TREES TO BE CUT SHALL BE FIELD MARKED BY THE CONTRACTOR FOR APPROVAL BY THE COUNTY INSPECTOR PRIOR TO FELLING.
12. A PRECONSTRUCTION MEETING WITH THE COUNTY ENGINEER'S REPRESENTATIVE AND UTILITY COMPANIES SHALL BE HELD PRIOR TO CONSTRUCTION.
13. THE CONTRACTOR SHALL PROVIDE ACCESS TO EXISTING ACTIVE DRIVEWAYS AT ALL TIMES.
14. THE CONTRACTOR SHALL PROVIDE SMOOTH TRANSITIONS BETWEEN EXISTING AND PROPOSED PAVEMENT IN DRIVEWAY AREAS AND WHERE CONSTRUCTION ENDS. EXACT LIMITS OF PAVEMENT CONSTRUCTION MAY BE ADJUSTED BY THE ENGINEER IN THE FIELD.
15. THE CONTRACTOR SHALL NOTIFY THE MORRIS COUNTY SOIL CONSERVATION DISTRICTS IN WRITING 72 HOURS PRIOR TO THE START OF ANY LAND DISTURBING ACTIVITY.
16. CONTRACTOR SHALL PROTECT EXISTING TREES TO THE EXTENT POSSIBLE. ANY TREES NOT SPECIFIED FOR REMOVAL WHICH ARE DAMAGED OR DESTROYED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED IN KIND AT NO COST TO THE COUNTY.
17. CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS TO ORIGINAL CONDITION OR BETTER.
18. THE CONTRACTOR SHALL MAINTAIN THE CONSTRUCTION AND ANY STORAGE SITE IN A NEAT AND CLEAN CONDITION. STORAGE OF POTENTIALLY CONTAMINATING MATERIALS SHALL BE STORED WITH SUFFICIENT CONTAINMENT TO PREVENT CONTAMINATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMEDIAL ACTION, AS REQUIRED, FOR ANY CONTAMINATION THAT MAY OCCUR TO THE SURROUNDING AREAS DUE TO ANY OF HIS OPERATIONS/DELIVERIES.
19. STORAGE OF MACHINERY AND EQUIPMENT WITHIN THE PROJECT LIMITS SHALL BE SECURED TO PREVENT THE CONTAMINATION OF THE PROJECT AREA BY PETROLEUM PRODUCTS. ALL PETROLEUM PRODUCTS SHALL BE STORED WITHIN A SECURE CONTAINMENT AREA TO PREVENT SPILLAGE/SEEPAGE INTO THE SURROUNDING AREAS AND WATERWAY. COST FOR REMEDIAL ACTIONS SHALL BE BORNE BY THE CONTRACTOR AT NO COST TO THE COUNTY OR OWNER.
20. UNUSED EXCAVATED MATERIAL SHALL BE DISPOSED OF IN ACCORDANCE WITH SECTION 202 OF THE SPECIFICATIONS. DISPOSAL OF SUCH MATERIALS SHALL ONLY BE MEASURED FOR PAYMENT IF MATERIAL IS DETERMINED BY TESTING AND ANALYSIS TO BE REGULATED OR HAZARDOUS. CONTRACTOR IS RESPONSIBLE FOR ALL TESTING, ANALYSIS, DOCUMENTATION AND DISPOSAL OF EXCAVATED MATERIAL. ALL EXCESS MATERIAL REMOVED FROM THE SITE (EITHER REGULATED OR UNREGULATED) SHALL BE DISPOSED OF IN ACCORDANCE WITH SECTIONS 202.03.07, 202.03.08 AND 202.03.09 OF THE SPECIFICATIONS. STOCKPILE MATERIALS SHALL BE PLACED AS PER MORRIS COUNTY SOIL CONSERVATION DISTRICT SOIL EROSION AND SEDIMENT CONTROL NOTES.
21. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT DAMAGE OR DISTURBANCE TO EXISTING UTILITIES CROSSING UNDER THE FOOTPRINT OF THE EXISTING BRIDGE DURING DRIVING OF SHEET PILES AND DRILLING OF MICROPILES.
22. PAYMENT FOR ALL PAY ITEMS, EXCLUDING LUMP SUM ITEMS, SHALL BE MADE BASED ON THE MEASURED QUANTITY OF THAT ITEM THAT IS CONSTRUCTED, IN PLACE, AND APPROVED BY THE ENGINEER.
23. CONTRACTOR IS REQUIRED TO COMPLY WITH ALL THE REQUIREMENTS OF THE NJDEP PERMITS. ALL WORK ASSOCIATED WITH MEETING REQUIREMENTS FOR WHICH THERE IS NO SPECIFIC PAY ITEM, INCLUDING BUT NOT LIMITED TO, SEDIMENT BAGS FOR DEWATERING OPERATIONS, SHALL BE PAID FOR UNDER "CLEARING SITE".
24. NO SEPARATE PAYMENT WILL BE MADE FOR SAWCUTTING PAVEMENT; RATHER, ALL ASSOCIATED COSTS FOR SAWCUTTING SHALL BE INCLUDED IN THE UNIT PRICES BID FOR THE VARIOUS PAVEMENT ITEMS.
25. LIMITS OF PAVING MAY BE ADJUSTED IN THE FIELD BY THE RESIDENT ENGINEER. ADDITIONAL QUANTITIES OF THE VARIOUS PAVEMENT PAY ITEMS, STRIPING, TRAFFIC MARKINGS, MILLING AND REMOVAL OF PAVEMENT, CURB, ETC. WOULD BE PAID FOR UNDER THE IF & WHERE DIRECTED QUANTITIES FOR THOSE ITEMS.
26. ANY EXISTING SIGNS THAT NEED TO BE TAKEN DOWN TO COMPLETE THE WORK OF THIS PROJECT SHALL BE STORED AND PROTECTED AND REINSTALLED AT THEIR ORIGINAL LOCATIONS OR WHERE DIRECTED BY THE RESIDENT ENGINEER. PAYMENT SHALL BE INCLUDED UNDER "CLEARING SITE".

STANDARD LEGEND



TEST PITS
WATER GATE VALVE
UTILITY POLE NO. & TYPE (GUY, ETC.)
DECIDUOUS TREES (SIZE, KIND)
BUSH
TRAFFIC SIGNAL FOUNDATION
FIBER OPTIC JUNCTION BOX
JUNCTION BOX FOUNDATION
BORING SYMBOL
SIGN
EXIST. R.C. END SECTION OR C.M. HEADWALL
PROP. R.C. END SECTION OR C.M. HEADWALL

GAS GATE VALVE
PROPOSED UTILITY POLE
EVERGREENS
HEDGES
PROPOSED TRAFFIC SIGNAL FOUNDATION
PROPOSED FIBER OPTIC JUNCTION BOX
PROPOSED JUNCTION BOX FOUNDATION
LIGHT POLE
Light Pole
HYDRANT
EDGE OF WATER
TREE LINE
ROCK WALL

TEMP TEMPORARY UTILITY POLE
PROPOSED SIGN
EXISTING TRAFFIC SIGNAL JUNCTION BOX
PROPOSED TRAFFIC SIGNAL JUNCTION BOX
EXISTING TRAFFIC SIGNAL CONTROLLER
PROPOSED HANDICAP RAMPS
EXIST. HEADWALL & APRON
PROP. HEADWALL & APRON
SEWER VENT
EXIST. HEADWALL
PROP. HEADWALL

ABBREVIATIONS

A	ALUMINUM
BC	BOTTOM OF CURB
℄	BASELINE
B.M.	BENCH MARK
B.T.	BELL TELEPHONE
BIT.	BITUMINOUS
BK.	BACK
BLDG.	BUILDING
BRGS.	BEARINGS
BBW	BOTTOM OF WALL
℄	CENTERLINE
(C)	CUT
CAP	CORRUGATED ALUMINUM PIPE
CB	CATCH BASIN
CC	CENTER OF CURVE
C/C	CENTER TO CENTER
CET	CABLE, ELECTRIC, TELEPHONE
CIP	CAST IRON PIPE
CIP	CAST IN PLACE
C.J.	CONTRACTION JOINT
CLF	CHAIN LINK FENCE
CMP	CORRUGATED METAL PIPE
CO	COMPANY
COMM.	COMMUNICATIONS
CONC.	CONCRETE
CONST.	CONSTRUCTION
CONT.	CONTRACTION
C.T.	CURB TRANSITION
COR.	CORNER
C.Y.	CUBIC YARD
CULV.	CULVERT
"+" CUT	CROSS-CUT
DIA.	DIAMETER
D.C., D/C	DROP CURVE
DIM.	DIMENSION
DIST.	DISTANCE
DWY	DRIVEWAY
DY	DOUBLE YELLOW
EA	EACH
EB	EASTBOUND
E.J.	EXPANSION JOINT
EL.,ELEV.	ELEVATION
ELEC.	ELECTRIC
ESMT	EASEMENT
EQ.	EXISTING
EXP.	EXPANSION
°F	FAHRENHEIT
(F)	FILL
F.F.	FRONT FACE
F.H.	FIRE HYDRANT
FR	FRAME
FT	FEET
G	GAS
GR.	GUIDE RAIL
GAL	GALLON
GALV.	GALVANIZED
GR.	GRATE
GRD.	GROUND
GV	GAS VALVE
H	HOUR
HT.	HEIGHT
H.W.	HEAD WALL
IN.	INCHES
INV.	INVERT
JB	JUNCTION BOX
JT.	JOINT
L	LENGTH
LAT.	LATERAL
L.P.	LIGHT POLE
L.F.	LINEAR FEET
LT	LEFT
M.B.	MAILBOX
MH., M.H.	MANHOLE
MIN.	MINIMUM
MON.	MONUMENT
MP	MILEPOST
N	NORTH
NB	NORTHBOUND
NO.	NUMBER
N.T.S.	NOT TO SCALE
OFF.	OFFSET
OHE	OVERHEAD ELECTRIC
PC	POINT OF CURVATURE
PCC	POINT OF COMMON CURVATURE
PCCB	PRECAST CONCRETE CONSTRUCTION BARRIER
PERF.	PERFORATED
PGL	PROFILE GRADE LINE
POC	POINT ON CURVE
POT, P.O.T.	POINT ON TANGENT
PROP.	PROPOSED
PT	POINT ON TANGENCY
PVC	POINT OF VERTICAL CURVATURE
PVI	POINT OF VERTICAL INTERSECTION
PVT	POINT OF VERTICAL TANGENCY,
PVMT	PAVEMENT
R	RADIUS
RCCP	REINFORCED CONCRETE CULVERT PIPE
RCP	REINFORCED CONCRETE PIPE
RD	ROAD
REM.	REMOVE
R.F.	REAR FACE
RMC	RIGID METALLIC CONDUIT
RNMC	RIGID-NON METALLIC CONDUIT
ROW, R.O.W.	RIGHT OF WAY
RR	RAILROAD
RT	RIGHT
RTE.	ROUTE
S	SOUTH
SDWK	SIDEWALK
SAN.	SANITARY SEWER
SB	SOUTHBOUND
SHLDR.	SHOULDER
ST.	STREET
STA.	STATION
STY	STORY
S.Y.	SQUARE YARD
T	TANGENT
T&B	TOP AND BOTTOM
TC	TOP OF CURB
T.G.	TOP OF GRADE
T.R.	TOP OF RIM
TBA	TO BE ABANDONED
TBR	TO BE REMOVED
TEL.	TELEPHONE
TEMP.	TEMPORARY
T.C.P.	TEMPORARY CONSTRUCTION EASEMENT
TH.	THICK
TS	TOPSOIL
TW	TOP OF WALL
TYP.	TYPICAL
UP, U.P.	UTILITY POLE
VAR.	VARIABLE, VARIES
VERT.	VERTICAL
W	WEST
W.C.V.C.	WHITE CONCRETE VERTICAL CURB
WB	WESTBOUND
WE	WET EXCAVATION
WM	WATER METER
WV	WATER VALVE
X-SECT	CROSS SECTION
Y	YELLOW

GN-1 / GN-1

Date	Revision	Drawn By:	Checked By:

REPLACEMENT OF BRIDGE NO. 1400-073 ON LANDING ROAD OVER NJ TRANSIT AND THE MORRIS CANAL

Township of Roxbury — Morris County — New Jersey

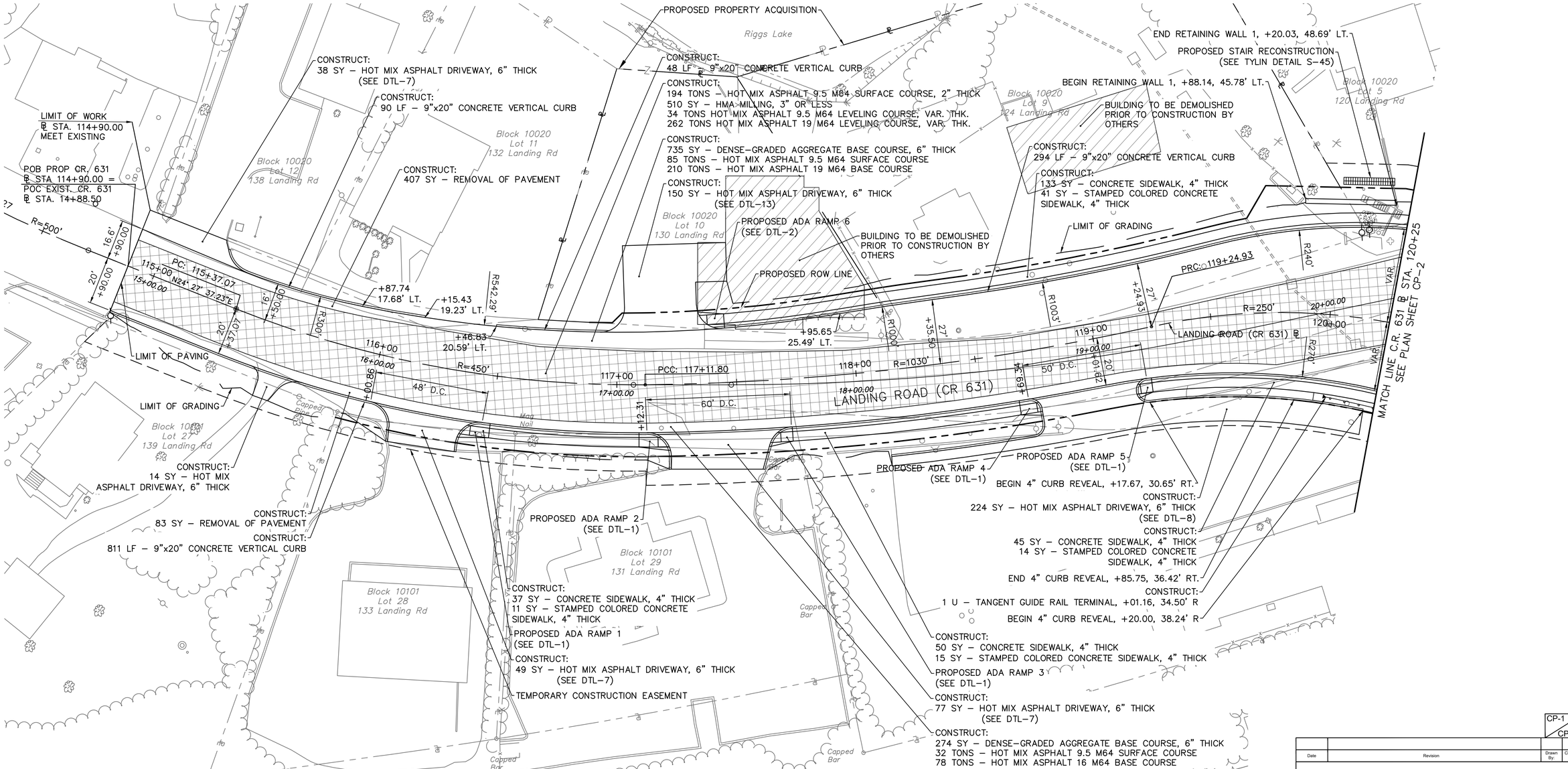
GENERAL NOTES AND LEGEND

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Sandeep R. Singh, P.E.
PROFESSIONAL ENGINEER N.J. LICENSE NO. 24GE04713200

Job #: 361193
Scale: AS NOTED
Date: MARCH 2023
Drawn By: JL
Checked By: MV
Sheet #: 11 of 175

TY LIN INTERNATIONAL
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USER:Jim Lester
DATE:4/26/2023
TIME:4:12 PM



NOTE:
1. SEE CONSTRUCTION DETAILS DTL–1 – DTL–13 FOR ADA CURB RAMP, DRIVEWAY, AND PARKING LOT DETAILS.
2. CONCRETE VERTICAL CURB REVEALS TO BE 6" UNLESS OTHERWISE NOTED ON PLANS.

GRAPHIC SCALE
0 20' 40'
1"=20'

CP-1
CP-6

Date	Revision	Drawn By:	Checked By:

REPLACEMENT OF BRIDGE NO. 1400-073 ON LANDING ROAD OVER NJ TRANSIT AND THE MORRIS CANAL
Township of Roxbury Morris County New Jersey

CONSTRUCTION PLAN -1-

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PROFESSIONAL ENGINEER N.J. LICENSE NO. 24GE04713200

Job #: 361193
Scale: AS NOTED
Date: MARCH 2023
Drawn By: R.M.B.
Checked By:
Sheet #: 12 of 175

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USER:Kim Alanegan
TIME:1:00 PM
DATE:4/21/2023
PROJECT:

PROJECT:

USER:Kim Alanigan

TIME:1:00 PM

DATE:4/21/2023

TY LIN INTERNATIONAL

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BEGIN 4" CURB REVEAL, STA. 372+82.66, 25.58' LT.

PROPOSED ADA RAMP 15 (SEE DTL-3)

CONSTRUCT:
164 LF – 9"x20" CONCRETE VERTICAL CURB (4" REVEAL)

CONSTRUCT:
1 U – BEAM GUIDE RAIL ANCHORAGE
(STA. 373+11.34, 21.29' LT)

PROPOSED ROW LINE

TEMPORARY CONSTRUCTION EASEMENT

CONSTRUCT:
66 LF – BEAM GUIDE RAIL

CONSTRUCT:
23 SY – NON-VEGETATIVE SURFACE, HOT MIX ASPHALT

CONSTRUCT:
81 SY – CONCRETE SIDEWALK, 4" THICK
1 SY – DETECTABLE WARNING SURFACE
20 SY – STAMPED COLORED CONCRETE
SIDEWALK, 4" THICK

END 4" CURB REVEAL
STA. 373+73.86, 29.14' LT

LIMIT OF GRADING

APPROACH GUIDE RAIL TRANSITION TL-2
(TYPE A, STA. 373+72.84, 21.29' LT)

PROPOSED ADA RAMP 14 (SEE DTL-3)

END WINGWALL, +10.46, 51.39' LT.

CONSTRUCT:
243 SY – REMOVAL OF PAVEMENT

BEGIN WINGWALL, +32.64, 48.57' LT.

CONSTRUCT:
12 SY – CONCRETE SIDEWALK, 4" THICK
4 SY – STAMPED COLORED CONCRETE
SIDEWALK, 4" THICK

CONSTRUCT:
90 SY – REMOVAL OF PAVEMENT

MATCH LINE SEE PLAN SHEET CP-6

END APPROACH SLAB, +12.88

+01.93
40.92' LT.

BEGIN WINGWALL, +96.80, 48.60' RT.

CONSTRUCT:
27 LF – 9"x20" CONCRETE
VERTICAL CURB

END BRIDGE, +87.35

SEE PLAN SHEET CP-6
MATCH LINE KINGS HWY ℄ STA. 372+75

CONSTRUCT:
64 SY – DENSE-GRADED AGGREGATE BASE COURSE, 6" THICK
7 TONS – HOT MIX ASPHALT 9.5 M64 SURFACE COURSE
17 TONS – HOT MIX ASPHALT 19 M64 BASE COURSE

CONSTRUCT:
435 SY – REMOVAL OF PAVEMENT

CONSTRUCT:
121 SY – DENSE-GRADED AGGREGATE BASE COURSE, 6" THICK
14 TONS – HOT MIX ASPHALT 9.5 M64 SURFACE COURSE
35 TONS – HOT MIX ASPHALT 19 M64 BASE COURSE

CONSTRUCT:
231 LF – 9"x20" CONCRETE VERTICAL CURB

PROPOSED ADA RAMP 10, 11 & 12
(SEE DTL-2)

CONSTRUCT:
60 SY – STAMPED COLORED CONCRETE
SIDEWALK, 4" THICK

CONSTRUCT:
21 SY – CONCRETE SIDEWALK, 4" THICK
4 SY – DETECTABLE WARNING SURFACE
5 SY – STAMPED COLORED CONCRETE
SIDEWALK, 4" THICK

CONSTRUCT:
506 SY – HOT MIX ASPHALT DRIVEWAY, 6" THICK
(SEE DTL-10)

PROPOSED ADA RAMP 8 & 9
(SEE DTL-2)

CONSTRUCT:
9 SY – CONCRETE SIDEWALK, 4" THICK
43 SY – STAMPED COLORED CONCRETE
SIDEWALK, 4" THICK

CONSTRUCT:
88 LF – 9"x20" CONCRETE
VERTICAL CURB

CONSTRUCT:
36 SY – HOT MIX ASPHALT DRIVEWAY, 6" THICK
(SEE DTL-7)

CONSTRUCT:
25 LF – 9"x20" CONCRETE
VERTICAL CURB

PROPOSED ADA RAMP 7
(SEE DTL-12)

CONSTRUCT:
8 SY – CONCRETE SIDEWALK, 4" THICK
3 SY – STAMPED COLORED CONCRETE
SIDEWALK, 4" THICK

TEMPORARY
CONSTRUCTION
EASEMENT

PROPOSED ROW LINE

MATCH LINE C.R. 631 ℄ STA. 120+25
SEE PLAN SHEET CP-7

KINGS HIGHWAY

KINGS HIGHWAY ℄

LANDING ROAD (CR 631)

LANDING ROAD (CR 631) ℄

SEE PLAN SHEET CP-3
MATCH LINE C.R. 631 ℄ STA. 124+25

Block 10020 Lot 7 101 Kings Hwy

Block 10020 Lot 5 120 Landing Rd

Block 10021 Lot 6 76 Kings Hwy

Block 9801 Lot 4

Block 10101 Lot 31

Block 10101 Lot 30 127 Landing Rd

Block 10101 Lot 29 101 Landing Rd

Block 10905 Lot 1 11 Landing Rd

+93.04
14.56' LT.

+51.02
21.91' RT.

+42.92
17.91' LT.

+64.26

+64.76

+16.27
55.48' LT.

+35.22
45.43' LT.

+20.00
41.30' LT.

+90.18
29.64' RT.

+18.60
27.30' RT.

PC: 372+98.34
R=750'
PT: 373+34.08

23+00.00

24+00.00

PT: 122+31.67
N60° 39' 27.73"E

PC: 123+95.01

POE KINGS HWY ℄ STA 374+28.63 =
POC CR 631 ℄ STA.121+69.08

BEGIN BRIDGE, +24.78

BEGIN EXPOSED APPROACH SLAB, +22.52

END 4" CURB REVEAL, +19.69, 28.27' RT.

BEGIN WINGWALL, +15.71, 34.48' LT.

BEGIN DEPRESSED APPROACH SLAB, +96.62

END WINGWALL, +52.74, 36.64' RT.

PROPOSED ADA RAMP 13 (SEE DTL-3)

CONSTRUCT:
76 SY – CONCRETE SIDEWALK, 4" THICK
1 SY – DETECTABLE WARNING SURFACE
24 SY – STAMPED COLORED CONCRETE
SIDEWALK, 4" THICK

END 4" CURB REVEAL
STA. 121+29.52, 29.38' RT

CONSTRUCT:
1 U – APPROACH GUIDE RAIL TRANSITION TL-2
(TYPE A, STA. 121+28.07, 35.39' RT)

CONSTRUCT:
173 LF – 9"x20" CONCRETE VERTICAL CURB (4" REVEAL)

CONSTRUCT:
102 TONS – HOT MIX ASPHALT 9.5 M64 SURFACE COURSE, 2" THICK
1031 TONS HOT MIX ASPHALT 19 M64 LEVELING COURSE, VAR. THK.

CONSTRUCT:
1 U – RELOCATE SPECIALIZED SIGN

PROPOSED ROW LINE

TEMPORARY CONSTRUCTION EASEMENT

60 LF – BEAM GUIDE RAIL

CONSTRUCT:
46 SY – NON-VEGETATIVE SURFACE, HOT MIX ASPHALT

CONSTRUCT:
860 SY – DENSE-GRADED AGGREGATE BASE COURSE, 6" THICK
99 TONS – HOT MIX ASPHALT 9.5 M64 SURFACE COURSE
247 TONS – HOT MIX ASPHALT 19 M64 BASE COURSE

BEGIN WINGWALL,
+81.75, 34.58' RT.

END WINGWALL, +05.23, 34.84' RT.

CONSTRUCT:
22 SY – CONCRETE SIDEWALK, 4" THICK
7 SY – STAMPED COLORED CONCRETE
SIDEWALK, 4" THICK

CONSTRUCT:
48 LF – 9"x20" CONCRETE VERTICAL CURB

CONSTRUCT:
1 U – HISTORIC SITE INTERPRETIVE SIGN

CONSTRUCT:
43 SY – DENSE-GRADED AGGREGATE BASE COURSE, 6" THICK
2 TONS – HOT MIX ASPHALT 9.5 M64 SURFACE COURSE
13 TONS – HOT MIX ASPHALT 19 M64 BASE COURSE

TEMPORARY CONSTRUCTION EASEMENT

POB LAKESIDE RAMP LEFT ℄ STA. 500+00.00=
POC CR 631 STA. 124+18.60, 27.30'R

PROPOSED PROPERTY ACQUISITION

NJ TRANSIT CONSTRUCTION LIMIT

GRAPHIC SCALE
0 20' 40'
1"=20'

NOTE:
1. SEE CONSTRUCTION DETAILS DTL-1 – DTL-13 FOR ADA CURB RAMP, DRIVEWAY, AND PARKING LOT DETAILS.
2. CONCRETE VERTICAL CURB REVEALS TO BE 6" UNLESS OTHERWISE NOTED ON PLANS.

CP-2
CP-6

Date	Revision	Drawn By:	Checked By:

REPLACEMENT OF BRIDGE NO. 1400-073 ON LANDING ROAD OVER NJ TRANSIT AND THE MORRIS CANAL

Township of Roxbury Morris County New Jersey

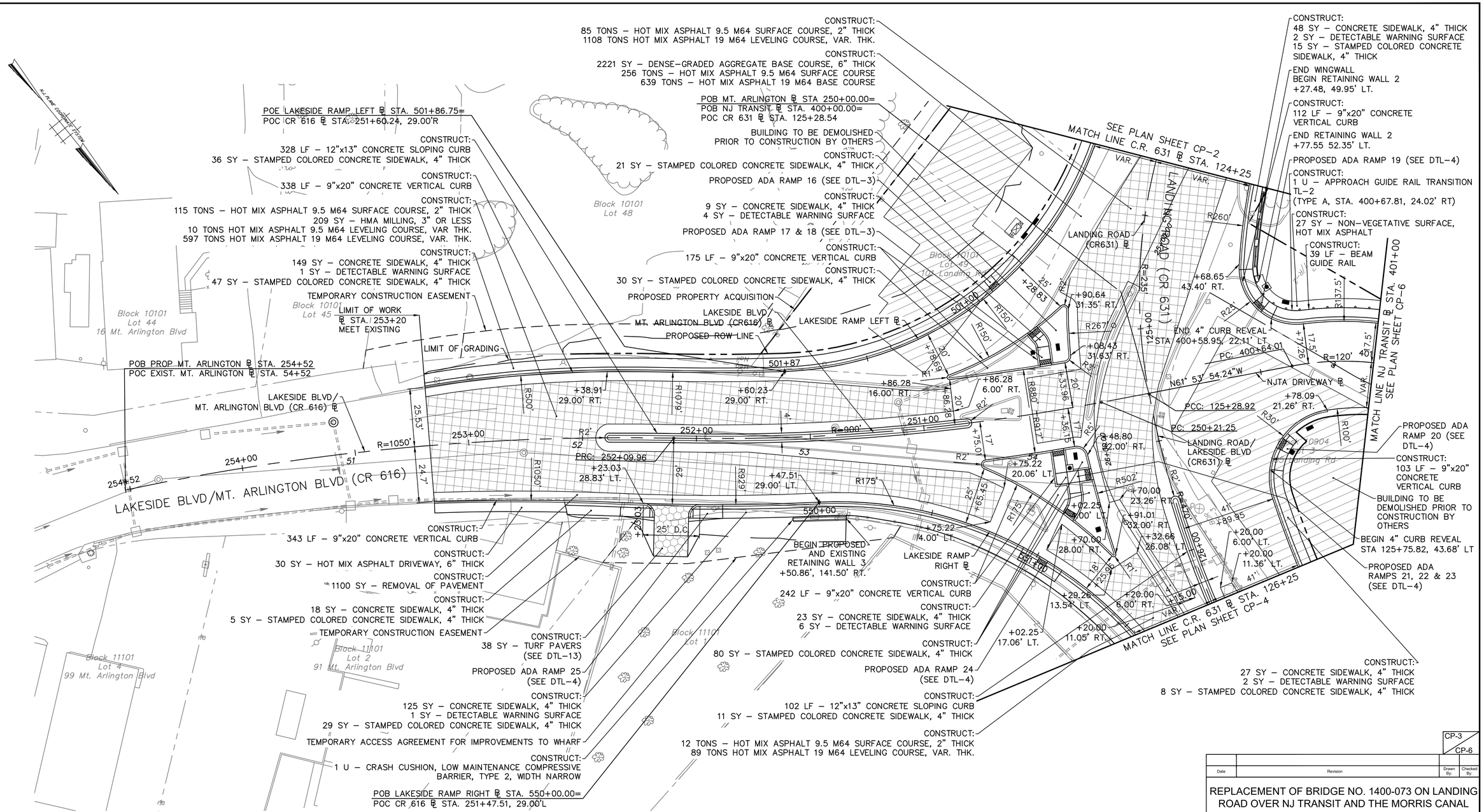
CONSTRUCTION PLAN -2-

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Sandeep R. Singh, P.E.
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Job #: 361193
Scale: AS NOTED
Date: MARCH 2023
Drawn By: R.M.B.
Checked By:
Sheet #: 13 of 175

PROJECT:
USER:Kim Alamigan
TIME:1:00 PM
DATE:4/21/2023
TY LIN INTERNATIONAL
FILE: C:\bms\sj\1-pw\kalamigan__gpinet\d0158099\361193-C-CP.dwg



NOTE:
1. SEE CONSTRUCTION DETAILS DTL–1 – DTL–13 FOR ADA CURB RAMP, DRIVEWAY, AND PARKING LOT DETAILS.
2. CONCRETE VERTICAL CURB REVEALS TO BE 6" UNLESS OTHERWISE NOTED ON PLANS.

GRAPHIC SCALE
0 20' 40'
1"=20'

CP-3
CP-6

Date	Revision	Drawn By:	Checked By:

REPLACEMENT OF BRIDGE NO. 1400-073 ON LANDING ROAD OVER NJ TRANSIT AND THE MORRIS CANAL

Township of Roxbury — Morris County — New Jersey

CONSTRUCTION PLAN -3-

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Job #: 361193
Scale: AS NOTED
Date: MARCH 2023
Drawn By: R.M.B.
Checked By:
Sheet #: 14 of 175

PROJECT:
USER:Kim Alansigan
TIME:1:00 PM
DATE:4/21/2023
TY LIN INTERNATIONAL
TILE: C:\bm\tylr-pw\kalansigan__gpinet\d0158099\361193-C-CP.dwg

N.J. PLANE COORDINATE SYSTEM

MATCH LINE SEE PLAN SHEET CP-6

BUILDING TO BE DEMOLISHED PRIOR TO CONSTRUCTION BY OTHERS

PROPOSED PROPERTY ACQUISITION

CONSTRUCT:
100 SY – CONCRETE SIDEWALK, 4" THICK
31 SY – STAMPED COLORED CONCRETE SIDEWALK, 4" THICK

CONSTRUCT:
237 LF – 9"x20" CONCRETE VERTICAL CURB

BUILDING TO BE DEMOLISHED PRIOR TO CONSTRUCTION BY OTHERS

LIMIT OF GRADING

CONSTRUCT:
44 SY – REMOVAL OF PAVEMENT

PROPOSED ROW LINE

Block 10904
Lot 1
109 Lakeside Blvd

END 4" CURB REVEAL
STA 127+60, 41.00 LT

CONSTRUCT:
44 SY – REMOVAL OF PAVEMENT

CONSTRUCT:
1030 SY – DENSE-GRADED AGGREGATE BASE COURSE, 6" THICK
119 TONS – HOT MIX ASPHALT 9.5 M64 SURFACE COURSE
297 TONS – HOT MIX ASPHALT 19 M64 BASE COURSE

PROPOSED ADA RAMP 29
(SEE DTL-5)

CONSTRUCT:
58 SY – HOT MIX ASPHALT DRIVEWAY, 6" THICK
(SEE DTL-9)

PROPOSED PROPERTY ACQUISITION

CONSTRUCT:
61 SY – CONCRETE SIDEWALK, 4" THICK
19 SY – STAMPED COLORED CONCRETE SIDEWALK, 4" THICK

PROPOSED ADA RAMP 30
(SEE DTL-5)

Block 10903
Lot 2
119 Lakeside Blvd

BUILDING TO BE DEMOLISHED PRIOR TO CONSTRUCTION BY OTHERS

BUILDING TO BE DEMOLISHED PRIOR TO CONSTRUCTION BY OTHERS

Block 10903
Lot 3
117 Lakeside Blvd

CONSTRUCT:
145 LF – 9"x20" CONCRETE VERTICAL CURB

SEE PLAN SHEET CP-3
MATCH LINE C.R. 631 @ STA. 126+25

VAR.

41'

27+00.00

127+00

PCC: 127+07.70

28+00.00

128+00

R=940'

R175'

29'

+65.06

551+99

+15.13
8.24' RT.

+15.13
6.00' RT.

29+00.00

+59.88

41'

R2'

129+00

30+00.00

PCC: 129+49.96

130+00

31+00.00

VAR.

R680'

+58.16
2.00' RT.

+69.59

29'

+36.03
28.97' RT.

+12.56
37.37' LT.

R600'

+11.54
40.68' LT.

R173'

LANDING ROAD/LAKESIDE BLVD (CR 631) ℄

SEE PLAN SHEET CP-5
MATCH LINE C.R. 631 ℄ STA. 130+50

+47.85
27.14' RT.

LIMIT OF GRADING

PROPOSED ADA RAMP 28
(SEE DTL-5)

CONSTRUCT:
143 LF – 9"x20" CONCRETE VERTICAL CURB

CONSTRUCT:
62 SY – CONCRETE SIDEWALK, 4" THICK
17 SY – STAMPED COLORED CONCRETE SIDEWALK, 4" THICK

PROPOSED ADA RAMP 27
(SEE DTL-5)

CONSTRUCT:
95 SY – HOT MIX ASPHALT DRIVEWAY, 6" THICK
(SEE DTL-9)

CONSTRUCT:
278 SY – REMOVAL OF PAVEMENT

LAKESIDE RAMP RIGHT ℄

POE LAKESIDE RAMP RIGHT ℄ STA. 551+99.38=
POC CR 631 ℄ STA. 126+65.05, 29.00'R

Block 11501
Lot 1

CONSTRUCT:
329 SY – REMOVAL OF PAVEMENT

CONSTRUCT:
473 LF – 12"x13" CONCRETE SLOPING CURB
52 SY – STAMPED COLORED CONCRETE SIDEWALK, 4" THICK

CONSTRUCT:
368 SY – DENSE-GRADED AGGREGATE BASE COURSE, 6" THICK
52 TONS – HOT MIX ASPHALT 9.5 M64 SURFACE COURSE
106 TONS – HOT MIX ASPHALT 19 M64 BASE COURSE

CONSTRUCT:
190 TONS – HOT MIX ASPHALT 9.5 M64 SURFACE COURSE, 2" THICK
89 SY – HMA MILLING, 3" OR LESS
44 TONS HOT MIX ASPHALT 9.5 M64 LEVELING COURSE, VAR THK.
500 TONS HOT MIX ASPHALT 19 M64 LEVELING COURSE, VAR. THK.

CONSTRUCT:
143 SY – CONCRETE SIDEWALK, 4" THICK
37 SY – STAMPED COLORED CONCRETE SIDEWALK, 4" THICK

PROPOSED ADA RAMP 26
(SEE DTL-5)

TEMPORARY CONSTRUCTION EASEMENT

CONSTRUCT:
285 LF – 9"x20" CONCRETE VERTICAL CURB

END PROPOSED AND
EXISTING RETAINING WALL 3
+10.16', 36.53' RT.

CONSTRUCT:
198 SY – DENSE-GRADED AGGREGATE BASE COURSE, 6" THICK
23 TONS – HOT MIX ASPHALT 9.5 M64 SURFACE COURSE
57 TONS – HOT MIX ASPHALT 19 M64 BASE COURSE

GRAPHIC SCALE
0 20' 40'
1"=20'

NOTE:
1. SEE CONSTRUCTION DETAILS DTL-1 – DTL-13 FOR ADA CURB RAMP, DRIVEWAY, AND PARKING LOT DETAILS.
2. CONCRETE VERTICAL CURB REVEALS TO BE 6" UNLESS OTHERWISE NOTED ON PLANS.

CP-4
CP-6

Date	Revision	Drawn By:	Checked By:

REPLACEMENT OF BRIDGE NO. 1400-073 ON LANDING ROAD OVER NJ TRANSIT AND THE MORRIS CANAL
Township of Roxbury Morris County New Jersey

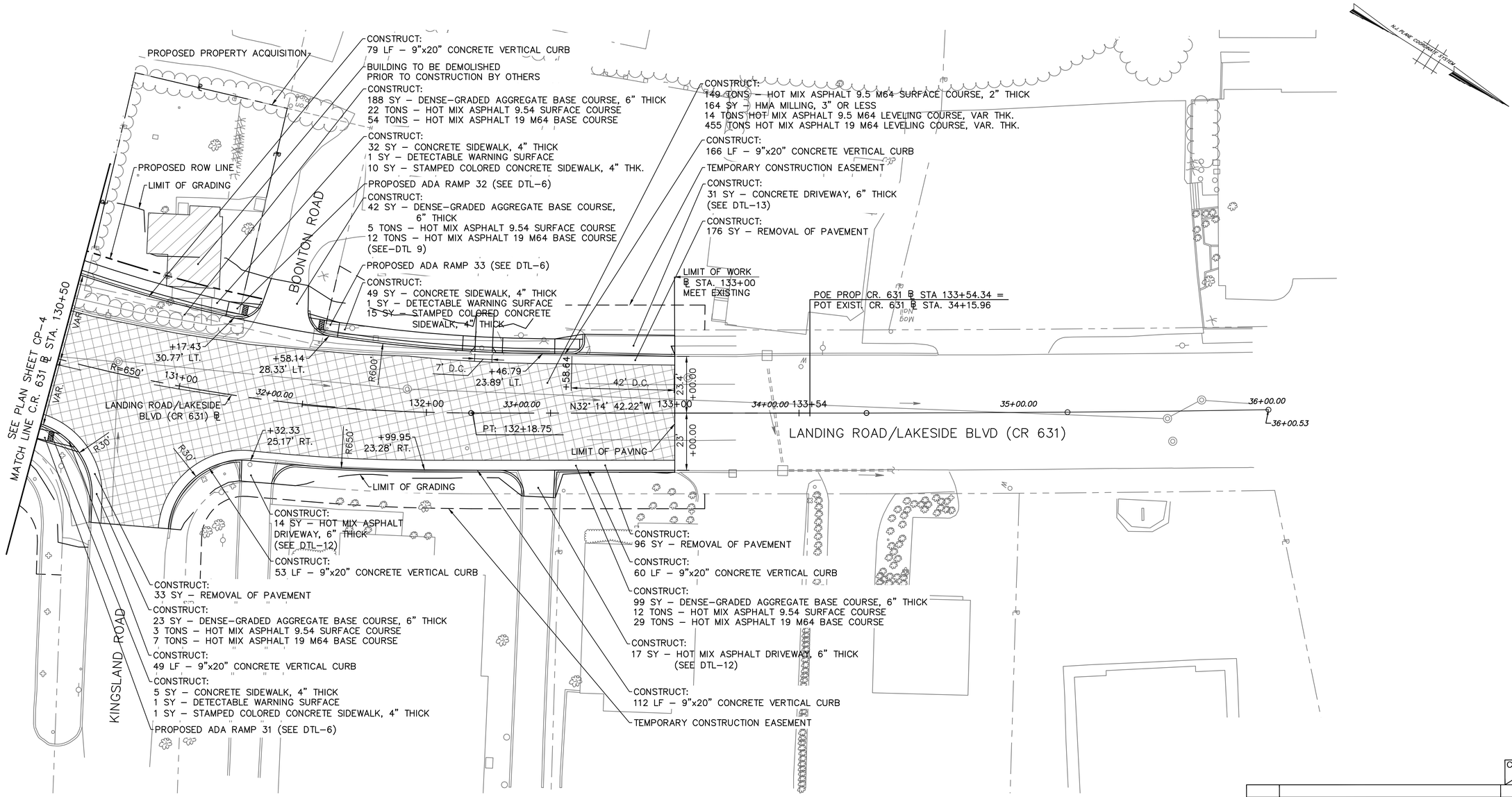
CONSTRUCTION PLAN -4-

GPI
Greenman-Pedersen, Inc.
100 Corporate Drive, Suite 301
Lebanon, NJ 08833
Tel. 908.236.9001
Certification of Authorization No. 24GA27959500
Brian W. Mausert, PE
PROFESSIONAL ENGINEER N.J. LICENSE NO. 24GE04647900

TYLin
100 Enterprise Drive, Suite 510
Rockaway, New Jersey 07866
Tel. 908.850.3366
Certificate Of Authorization No. 24GA27976000
Sandeep R. Singh, P.E.
PROFESSIONAL ENGINEER N.J. LICENSE NO. 24GE04713200

Job #: 361193
Scale: AS NOTED
Date: MARCH 2023
Drawn By: R.M.B.
Checked By:
Sheet #: 15 of 175

PROJECT:
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DATE:4/21/2023
TIME:1:01 PM
TY LIN INTERNATIONAL
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NOTE:
1. SEE CONSTRUCTION DETAILS DTL–1 – DTL–13 FOR ADA CURB RAMP, DRIVEWAY, AND PARKING LOT DETAILS.
2. CONCRETE VERTICAL CURB REVEALS TO BE 6" UNLESS OTHERWISE NOTED ON PLANS.

CP-5
CP-6

Date	Revision	Drawn By:	Checked By:

REPLACEMENT OF BRIDGE NO. 1400-073 ON LANDING ROAD OVER NJ TRANSIT AND THE MORRIS CANAL

Township of Roxbury | Morris County | New Jersey

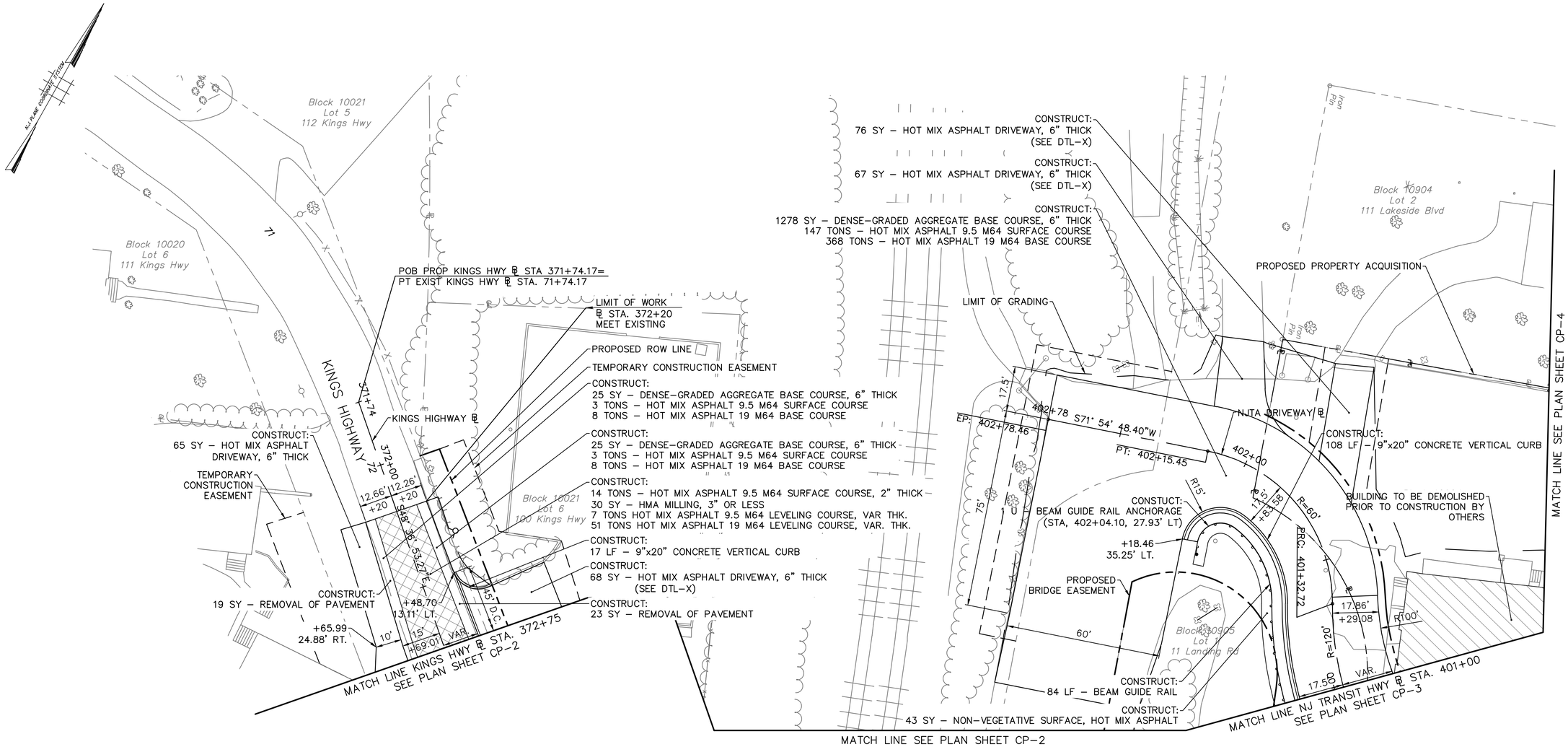
GRAPHIC SCALE
0 20' 40'
1"=20'

CONSTRUCTION PLAN -5-

GPI
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PROFESSIONAL ENGINEER N.J. LICENSE NO. 24GE04713200

Job #: 361193
Scale: AS NOTED
Date: MARCH 2023
Drawn By: R.M.B.
Checked By:
Sheet #: 16 of 175



NOTE:
1. SEE CONSTRUCTION DETAILS DTL–1 – DTL–13 FOR ADA CURB RAMP, DRIVEWAY, AND PARKING LOT DETAILS.
2. CONCRETE VERTICAL CURB REVEALS TO BE 6" UNLESS OTHERWISE NOTED ON PLANS.

GRAPHIC SCALE
0 20' 40'
1"=20'

CP-6 / CP-6

Date	Revision	Drawn By:	Checked By:

REPLACEMENT OF BRIDGE NO. 1400-073 ON LANDING ROAD OVER NJ TRANSIT AND THE MORRIS CANAL
Township of Roxbury — Morris County — New Jersey

CONSTRUCTION PLAN -6-

GPI
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Job #: 361193
Scale: AS NOTED
Date: MARCH 2023
Drawn By: R.M.B.
Checked By:
Sheet #: 17 of 175

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PROJECT:
USER:Kim Alanigan
DATE:4/21/2023
TIME:1:01 PM

CONSTRUCT:
11 UNIT – TYPE "B" INLET
3 UNIT – TYPE "E" INLET
459 L.F. – 15" R.C.P.

N.J. PLANE COORDINATE SYSTEM

LIMIT OF WORK
℄ STA. 115+00.00
MEET EXISTING

39 L.F. 15" RCP

TYPE "B"
STA. 117+92.50, 25.29' LT
T.G. 940.14
INV. IN 935.59
INV. OUT 935.49

44 L.F. 15" RCP

TYPE "E"
STA. 117+46.39, 35.34' LT
T.G. 941.13
INV. 936.83

13 L.F. 15" RCP

TYPE "B"
STA. 117+48.02, 22.95' LT
T.G. 940.80
a. INV. 936.58
b. INV. 936.58
c. INV. 936.48

TYPE "B"
STA. 116+79.18, 21.53' LT
T.G. 941.49
INV. 937.89

PROPOSED ROW LINE

62 L.F. 15" R.C.P.

TYPE "E"
STA. 119+50.02, 75.15' LT
T.G. 941.10
INV. 937.00

TYPE "B"
STA. 119+71.25, 31.68' LT
T.G. 939.03
a. INV. 931.47
b. INV. 936.0
c. INV. 934.95
d. INV. 931.37

TYPE "B"
STA. 118+94.05, 27.00' LT
T.G. 939.36
INV. IN 932.97
INV. OUT 932.87

82 L.F. 15" R.C.P.

38 L.F. 15" RCP

TYPE "E"
STA. 119+99.26, 51.72' LT
T.G. 945.67
INV. 935.72

76 L.F. 15" R.C.P.

MATCH LINE C.R. 631 ℄ STA. 120+25
SEE PLAN SHEET DP-2

TEMPORARY CONSTRUCTION EASEMENT

TYPE "B"
STA. 118+32.80, 27.00' LT
T.G. 939.58
INV. IN 934.70
INV. OUT 934.60

33 L.F. 15" RCP

TYPE "B"
STA. 118+66.63, 27.00' LT
T.G. 939.42
INV. IN 933.85
INV. OUT 933.75

27 L.F. 15" RCP

TYPE "B"
STA. 119+74.35, 25.61' RT
T.G. 938.35
INV. 930.84

7 L.F. 15" RCP

TYPE "B"
STA. 119+83.03, 26.21' RT
T.G. 938.18
INV. IN 930.68
INV. OUT 930.58

16 L.F. 15" RCP

TYPE "B"
STA. 120+00.72, 27.24' RT
T.G. 937.93
INV. IN 930.26
INV. OUT 930.16

15 L.F. 15" RCP

TYPE "B"
STA. 120+17.63, 28.14' RT
T.G. 937.80
a. INV. 929.86
b. INV. 929.86
c. INV. 929.76

7 L.F. 15" RCP

LANDING ROAD (C.R. 631)

LANDING ROAD

Bit. Pavement

W Edge of Pavement

Edge of Road

Conc Curb

Conc S'walk

Paved Parking

1 Story Speedway Gas Station

2 Story Taxi

1 Story Commer.

1 Story Gulf Gas Sta.

3 Story #120

2 Story Residential

2 Story #131

2 Story Apartment Building

1 Story Rumors Go-Go

1 Story Vacant

Unknown Manhole

Light Pole

Post

Sewer Clean Out

Flag Poles

Gross

Capped Bar

#BT2921R

#NJ330RD

#NJ331RU

#Road Light

MW 102R

MW DW4

MW DW2R

MW 113

MW 109

MW 106

MW 116

MW 116D

MW 118DD

MW 11:

MW 118I

115+00

116+00

117+00

118+00

119+00

120+00

GRAPHIC SCALE
0 20' 40'
1"=20'

DP-1
DP-6

Date	Revision	Drawn By:	Checked By:

REPLACEMENT OF BRIDGE NO. 1400-073 ON LANDING ROAD OVER NJ TRANSIT AND THE MORRIS CANAL
Township of Roxbury Morris County New Jersey

DRAINAGE PLAN - 1

MaS Mackenzie & Shaw, PC
53 Frontage Road, Suite 170
Hampton, NJ 08827
Tel. 908.537.1315

Robert Zalewski, P.E.
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Sandeep R. Singh, P.E.
PROFESSIONAL ENGINEER N.J. LICENSE NO. 24GE04713200

Job #: 361193
Scale: AS NOTED
Date: MARCH 2023
Drawn By: PF
Checked By: GS
Sheet #: 18 of 175

TY LIN INTERNATIONAL
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USER: Pete Fleming
DATE: 4/21/2023
PROJECT: