RECEIVED
SEP 1 2 2002
Illinois Commerce Commission
RAIL SAFETY SECTION

STATE OF ILLINOIS

CITY OF CHICAGO

RICHARD M. DALEY, MAYOR

DEPARTMENT OF TRANSPORTATION

MIGUEL d'ESCOTO, COMMISSIONER

BUREAU OF HIGHWAYS

BRUCE WORTHINGTON, CHIEF HIGHWAY ENGINEER

CONTRACT PLANS
FOR
VIADUCT CLEARANCE IMPROVEMENT
1000 SOUTH KEDZIE AVENUE

CDOT PROJECT NO. B-1-427
SECTION NO.:
STATE JOB NO.

THESE PLANS COMPLY WITH THE CURRENT POLICY OF THE CITY OF CHICAGO TO FACILITATE THE MOBILITY OF PEOPLE WITH DISABILITIES

STANDARD SYMBOLS

W WATER DISTRIBUTION
G PEOPLES GAS LIGHT AND COKE
E COMMONWEALTH EDISON
C CITY ELECTRIC
T ILLINOIS BELL TELEPHONE
EXISTING SEWER
PROPOSED SEWER
FIRE HYDRANT
LIGHT STANDARD
BUFFALO BOX, WATER
BUFFALO BOX, GAS
POWER POLE
TRAFFIC SIGNAL AND LIGHT STANDARD
TRAFFIC SIGNAL
TRAFFIC SIGNAL CONTROL BOX
STREET LIGHTING CONTROL BOX
INLET, EXISTING
INLET TO BE FILLED
CATCH BASIN, EXISTING
CATCH BASIN TO BE CONSTRUCTED
CATCH BASIN TO BE FILLED
A CATCH BASIN TO BE ADJUSTED
R CATCH BASIN TO BE RECONSTRUCTED
A SEWER MANHOLE TO BE ADJUSTED
R SEWER MANHOLE TO BE RECONSTRUCTED
A W WATER MANHOLE TO BE ADJUSTED
A M WATER METER VAULT TO BE ADJUSTED
A C CITY ELECTRIC MANHOLE TO BE ADJUSTED
C CITY ELECTRIC HANDHOLE
PARKING METER
6" TREES EXISTING WITH DIAMETER
6" TREES TO BE REMOVED
TREES TO PLANTED /SEE SCHEDULE FOR SIZE AND TYPE)
TREE STUMP
SOIL BORING
SIDEWALK RAMPS FOR PEOPLE WITH DISABILITIES
10.00 ELEVATION
SUMMIT
DIRECTION OF FLOW

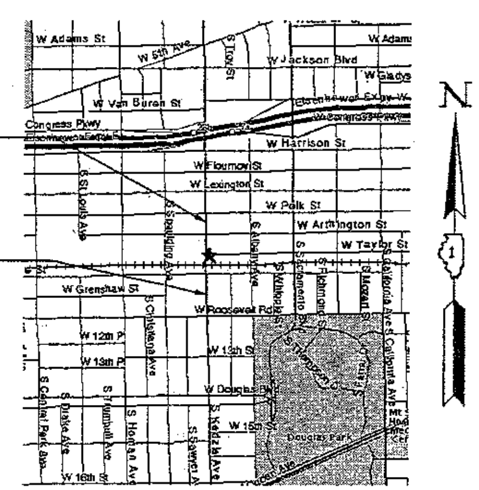
0 100' 200' 300' 1"=100'
10' 20' 30' 1"=10'
0 50' 100' 1"=50'
0 50' 100' 1"=40'
0 50' 100' 1"=30'
0 50' 100' 1"=20'

FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

DEPARTMENT OF PURCHASES, CONTRACTS AND SUPPLIES
ALEXANDER GRZYB, ACTING PURCHASING AGENT.

IMPROVEMENT ENDS
STA. 10+00.00

IMPROVEMENT BEGINS
STA. 3+50.00



LOCATION MAP
N.T.S.

TOTAL NET LENGTH OF IMPROVEMENT = 650 L.F. (0.123 MILES)
TOTAL GROSS LENGTH OF IMPROVEMENT = 650 L.F. (0.123 MILES)

SHEET INDEX

1. TITLE SHEET
2. GENERAL NOTES & SUMMARY OF QUANTITIES
3. DETOUR PLAN
4. CONSTRUCTION STAGING PLAN
5. CONSTRUCTION STAGING TYPICAL SECTIONS
6-7. TYPICAL SECTIONS
8-9. EXISTING CONDITIONS & PROPOSED PLAN
10-12. STORM SEWER SHEETS
13. CONSTRUCTION DETAILS
14-24. CROSS-SECTIONS
25-31. DETAIL SHEETS

CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION

DATE: ______ 20__
APPROVED: ______ COORDINATING ENGINEER
APPROVED: ______ CHIEF TRAFFIC ENGINEER
APPROVED: ______ CHIEF HIGHWAY ENGINEER
APPROVED: ______ DEPUTY COMMISSIONER
APPROVED: ______ COMMISSIONER

CITY OF CHICAGO
DEPARTMENT OF STREETS AND SANITATION

APPROVED: ______ DEPUTY COMMISSIONER, BUREAU OF ELECTRICITY
APPROVED: ______ DEPUTY COMMISSIONER, BUREAU OF FORESTRY
APPROVED: ______ COMMISSIONER

CITY OF CHICAGO
DEPARTMENT OF WATER

APPROVED: ______ CHIEF ENGINEER
APPROVED: ______ COMMISSIONER

CITY OF CHICAGO
DEPARTMENT OF SEWERS

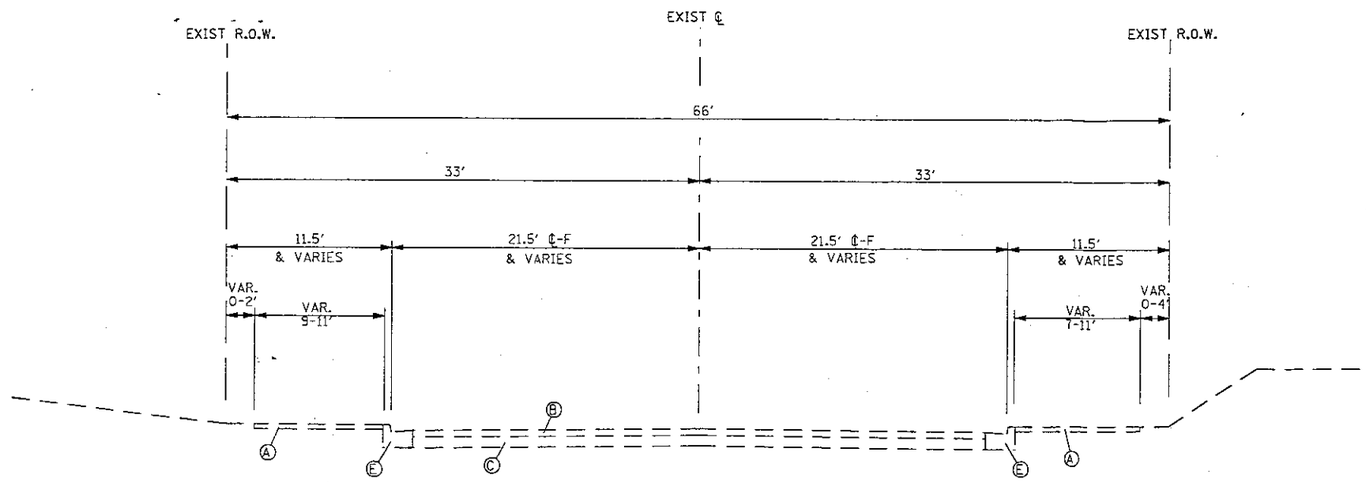
APPROVED: ______ CHIEF ENGINEER
APPROVED: ______ COMMISSIONER

RECORD SET

PRELIMINARY
6-14-02

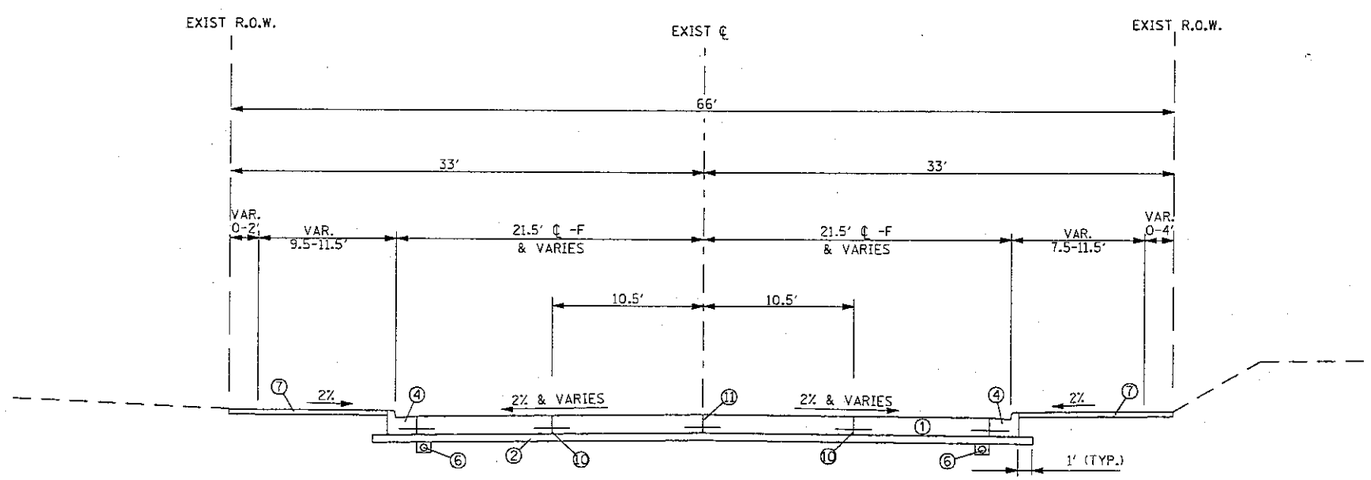
SEAL

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			31	6
STA		TO STA		



TYPICAL EXISTING SECTION

STA. 3+50 TO STA. 6+08
STA. 6+87 TO STA. 10+00



TYPICAL PROPOSED SECTION

STA. 3+50 TO STA. 6+08
STA. 6+87 TO STA. 10+00

LEGEND

EXISTING

- Ⓐ P.C.C. SIDEWALK
- Ⓑ BITUMINOUS SURFACE VARIES 4" TO 5.5"
- Ⓒ P.C.C. BASE COURSE 8"
- Ⓓ CONCRETE FOOTING
- Ⓔ P.C.C. CURB AND GUTTER
- Ⓕ P.C.C. MEDIAN SURFACE

PROPOSED

- ① HIGH EARLY STRENGTH P.C.C. PAVEMENT, 10"
- ② SUB-BASE GRANNULAR MATERIAL, TYPE B, 6"
- ③ COMBINATION CONCRETE CURB & GUTTERM TYPE B-V.12
- ④ COMBINATION CONCRETE CURB & GUTTER, (SPECIAL)
- ⑤ EXPANSION JOINT, 3/4" THICK, INCIDENTAL
- ⑥ PIPE UNDERDRAIN, 6"
- ⑦ PROPOSED P.C.C. SIDEWALK, 5" SEE PLAN FOR LOCATION
- ⑧ PAVEMENT FABRIC
- ⑨ 1/2" ROUND TIE BARS AT 30" CENTERS (30" LONG). SEE CITY OF CHICAGO STANDARD, INCIDENTIAL
- ⑩ SAWED LONGITUDINAL JOINT, 1/2" DEFORMED TIE BARS AT 30" CENTERS, (30" LONG) INCIDENTIAL
- ⑪ LONGITUDINAL CONSTRUCTION JOINT, DRILL & GROUT 1/2" DEFORMEND TIE BARS AT 30" CENTERS, (30" LONG) INCIDENTIAL

NO.	BY	DATE	DESCRIPTION

REVISIONS

1000 S. KEDZIE AVENUE VIADUCT

TYPICAL SECTIONS

CONSULTANT: STV Incorporated
engineers/architects/scientists/construction managers
Chicago, Illinois

CITY OF CHICAGO

DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAYS

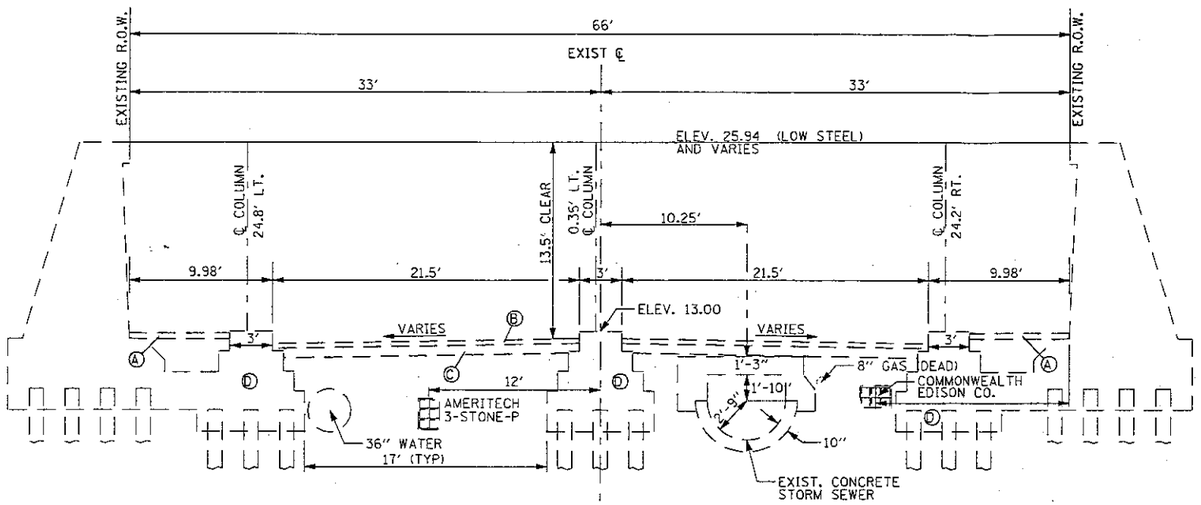
DRAWN:
CHECKED:
APPROVED:
DATE:
SCALE: AS SHOWN
CONTRACT NO.:

SHEET NO. 6 OF 31

PROJECT NO.:

Exhibit A, page 3

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			31	7
STA		TO STA		



TYPICAL EXISTING SECTION

STA. 6+08 TO STA. 6+87

LEGEND

EXISTING

Ⓐ P.C.C. SIDEWALK

Ⓑ BITUMINOUS SURFACE VARIES 4" TO 5.5"

Ⓒ P.C.C. BASE COURSE 8"

Ⓓ CONCRETE FOOTING

Ⓔ P.C.C. CURB AND GUTTER

Ⓕ P.C.C. MEDIAN SURFACE

PROPOSED

① HIGH EARLY STRENGTH P.C.C. PAVEMENT, 10"

② SUB-BASE GRANNULAR MATERIAL, TYPE B, 6"

③ COMBINATION CONCRETE CURB & GUTTERM TYPE B-V.12

④ COMBINATION CONCRETE CURB & GUTTER, (SPECIAL)

⑤ EXPANSION JOINT, 3/4" THICK, INCIDENTAL

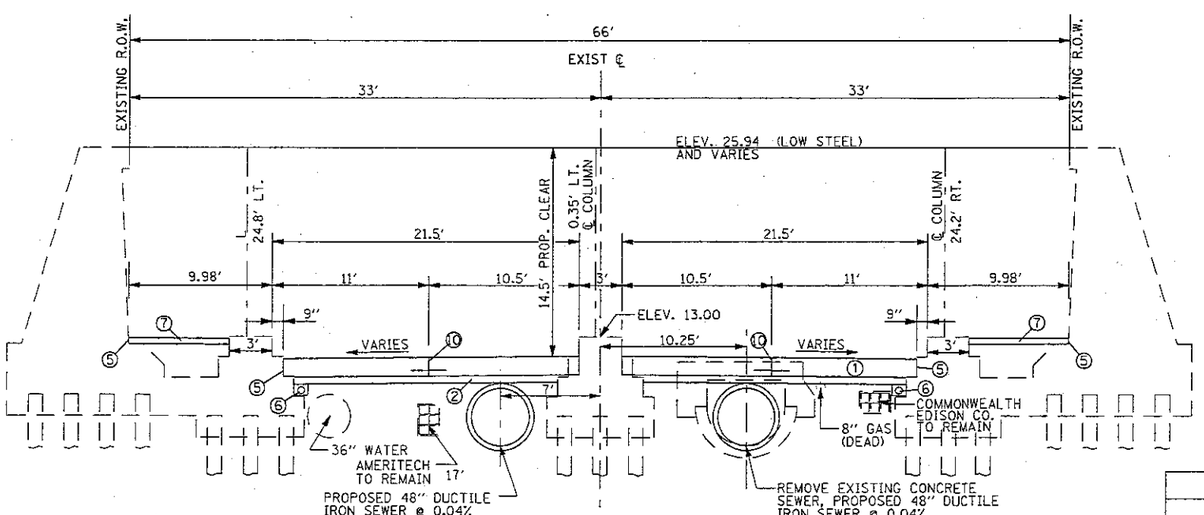
⑥ PIPE UNDERDRAIN, 6"

⑦ PROPOSED P.C.C. SIDEWALK, 5" SEE PLAN FOR LOCATION

⑧ PAVEMENT FABRIC

⑨ 1/2" ROUND TIE BARS AT 30" CENTERS (30" LONG). SEE CITY OF CHICAGO STANDARD, INCIDENTIAL

⑩ SAWED LONGITUDINAL JOINT, 1/2" DEFORMED TIE BARS AT 30" CENTERS, (30" LONG) INCIDENTIAL



TYPICAL PROPOSED SECTION

STA. 6+08 TO STA. 6+87

NO.	BY	DATE	DESCRIPTION

REVISIONS

1000 S. KEDZIE AVENUE VIADUCT

TYPICAL SECTIONS

CONSULTANT

STV Incorporated
engineers/architects/planners/scientists/construction managers
Chicago, Illinois

CITY OF CHICAGO

DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAYS

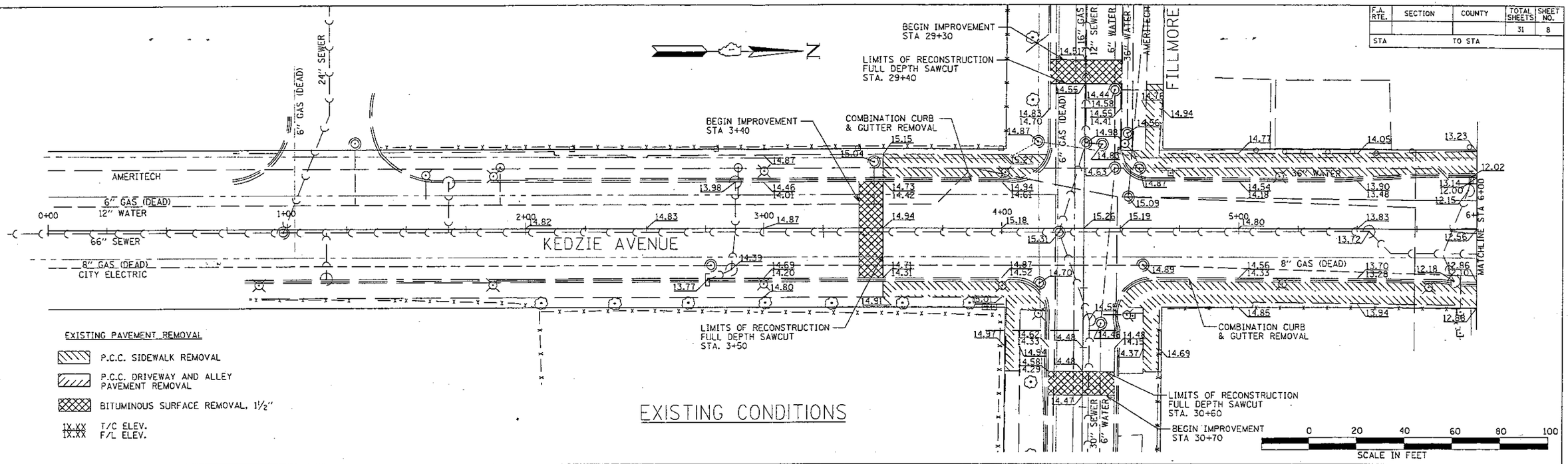
DRAWN:
CHECKED:
APPROVED:
DATE:
SCALE: AS SHOWN
CONTRACT NO.:

SHEET NO.
7 OF 31

PROJECT NO.:

Exhibit A, page 4

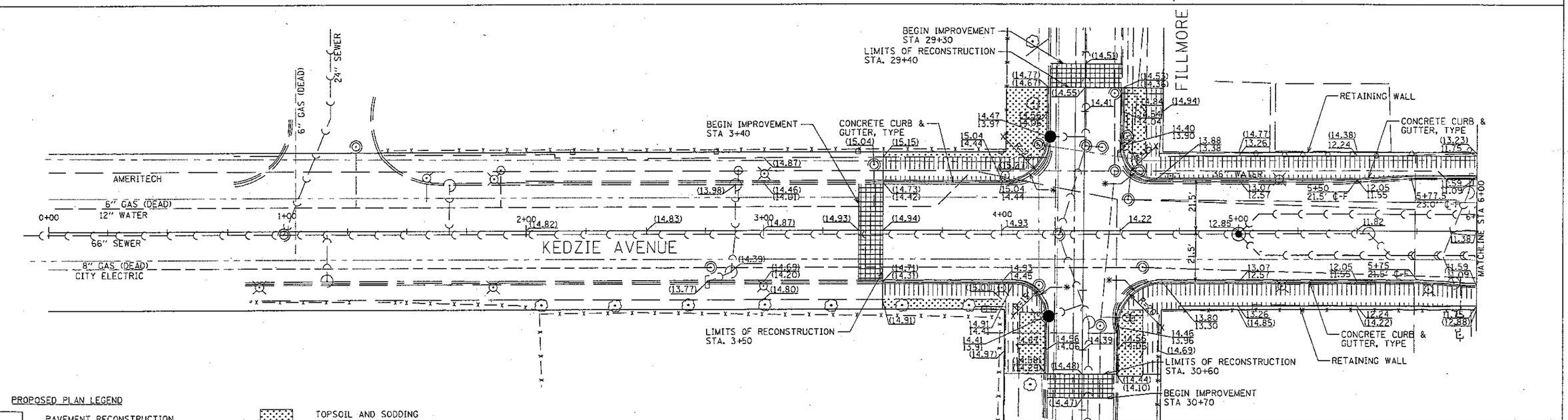
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			31	8
STA		TO STA		



EXISTING PAVEMENT REMOVAL

- P.C.C. SIDEWALK REMOVAL
- P.C.C. DRIVEWAY AND ALLEY PAVEMENT REMOVAL
- BITUMINOUS SURFACE REMOVAL, 1½"
- 1X.XX T/C ELEV. / 1X.XX F/L ELEV.

EXISTING CONDITIONS



PROPOSED PLAN LEGEND

- PAVEMENT RECONSTRUCTION
- P.C.C. SIDEWALK 5"
- P.C.C. DRIVEWAY AND ALLEY PAVEMENT RECONSTRUCTION
- BITUMINOUS SURFACE COURSE, 1½"
- TOPSOIL AND SODDING
- PERFORATED PIPE UNDERDRAIN (PESVCP), 6"
- 1X.XX PROP. T/C ELEV / 1X.XX PROP. F/L ELEV
- (1X.XX) EXIST.ELEV.
- * DEPRESSED CURB

PROPOSED PLAN

NO.	BY	DATE	DESCRIPTION

REVISIONS

1000 S. KEDZIE AVENUE VIADUCT

EXISTING CONDITIONS & PROPOSED PLAN

CONSULTANT: STV Incorporated, engineers/architects/scientists/construction managers, Chicago, Illinois

CITY OF CHICAGO

DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAYS

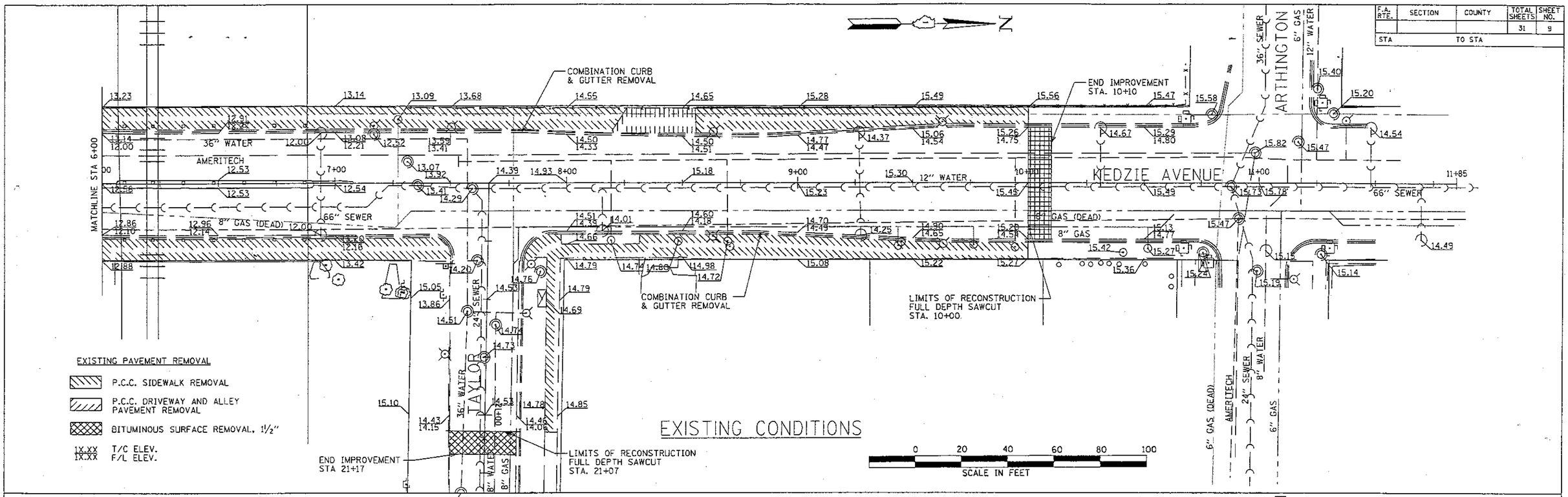
DRAWN:
CHECKED:
APPROVED:
DATE:
SCALE: AS SHOWN
CONTRACT NO.:

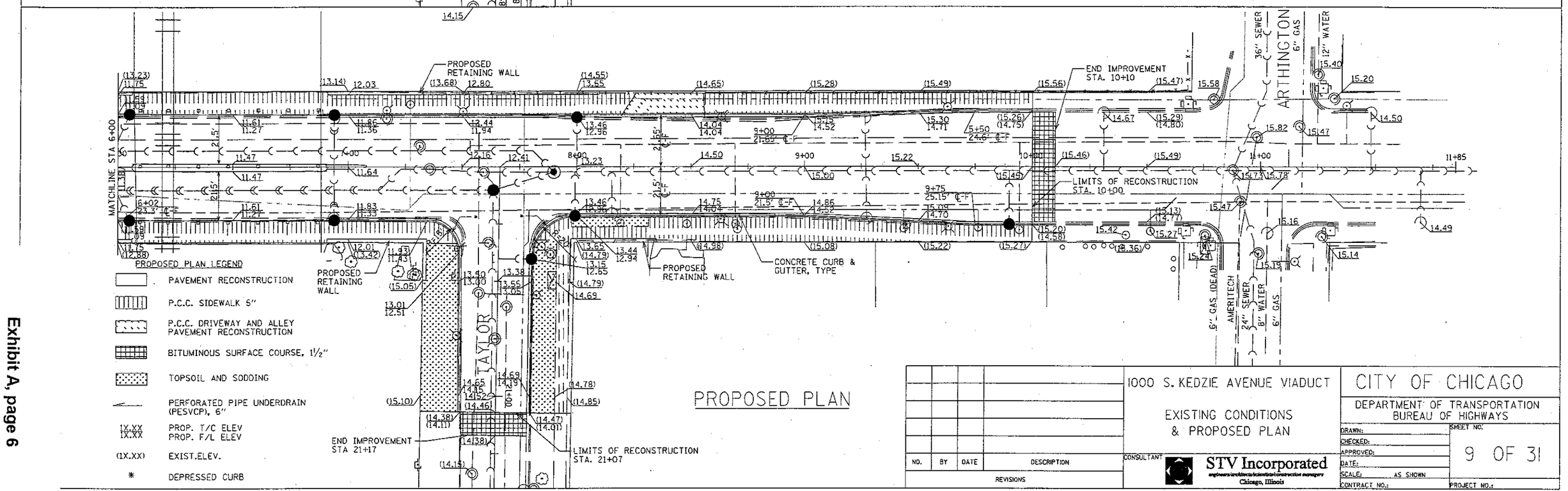
SHEET NO. 8 OF 31

PROJECT NO.:

Exhibit A, page 5

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			31	9
STA		TO STA		





NO.	BY	DATE	DESCRIPTION

REVISIONS

1000 S. KEDZIE AVENUE VIADUCT

EXISTING CONDITIONS & PROPOSED PLAN

CONSULTANT

STV Incorporated
engineers/architects/scientists/construction managers
Chicago, Illinois

CITY OF CHICAGO

DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAYS

DRAWN:
CHECKED:
APPROVED:
DATE:
SCALE: AS SHOWN
CONTRACT NO.:

SHEET NO.
9 OF 31

PROJECT NO.:

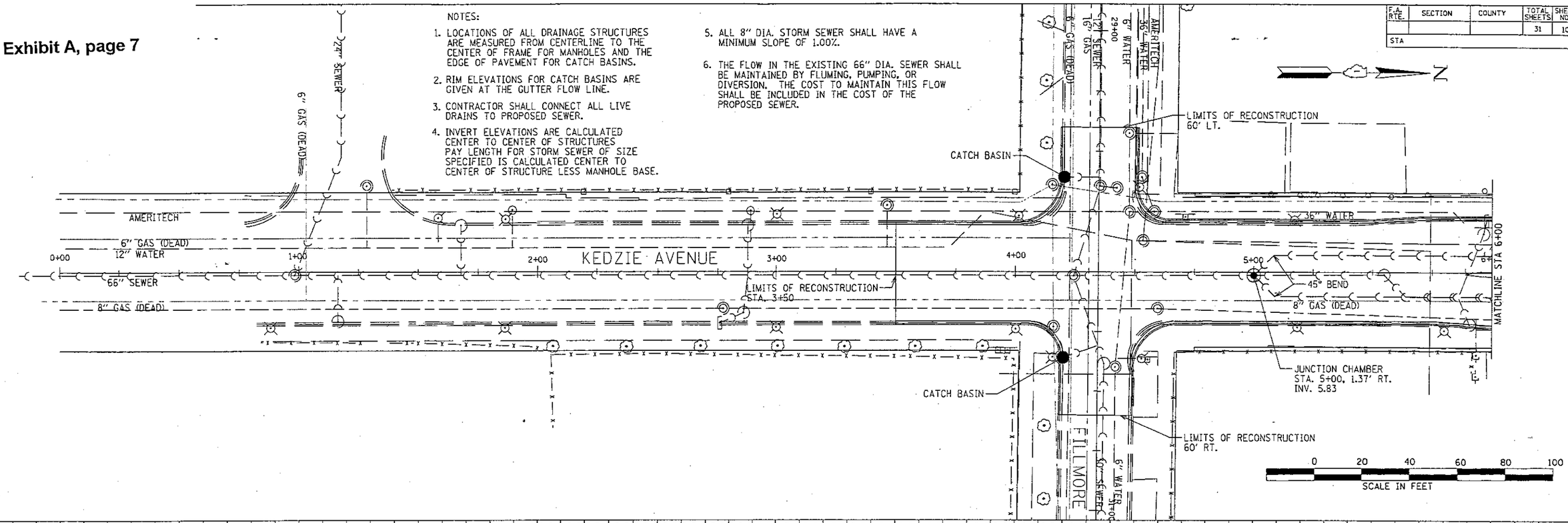
Exhibit A, page 6

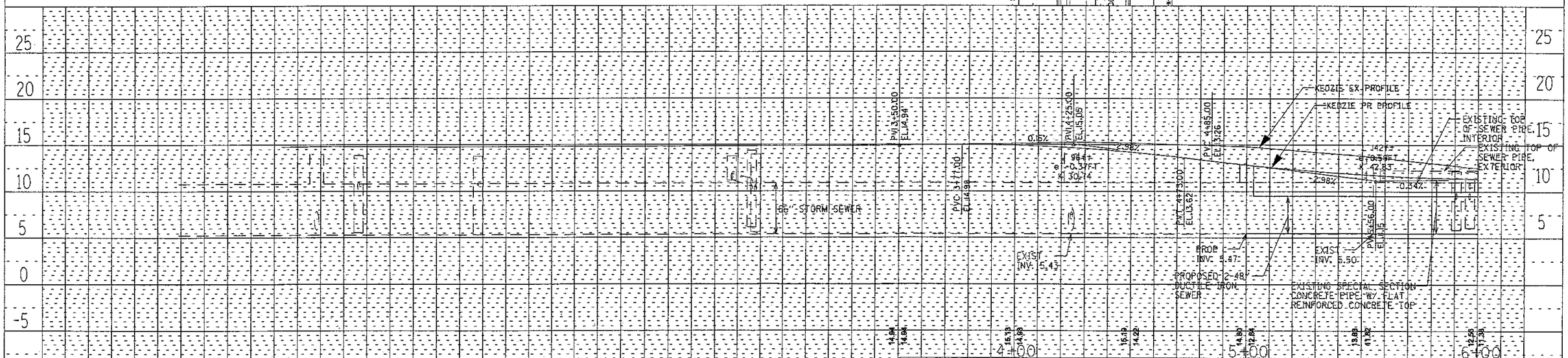
Exhibit A, page 7

NOTES:

1. LOCATIONS OF ALL DRAINAGE STRUCTURES ARE MEASURED FROM CENTERLINE TO THE CENTER OF FRAME FOR MANHOLES AND THE EDGE OF PAVEMENT FOR CATCH BASINS.
2. RIM ELEVATIONS FOR CATCH BASINS ARE GIVEN AT THE GUTTER FLOW LINE.
3. CONTRACTOR SHALL CONNECT ALL LIVE DRAINS TO PROPOSED SEWER.
4. INVERT ELEVATIONS ARE CALCULATED CENTER TO CENTER OF STRUCTURES PAY LENGTH FOR STORM SEWER OF SIZE SPECIFIED IS CALCULATED CENTER TO CENTER OF STRUCTURE LESS MANHOLE BASE.
5. ALL 8" DIA. STORM SEWER SHALL HAVE A MINIMUM SLOPE OF 1.00%.
6. THE FLOW IN THE EXISTING 66" DIA. SEWER SHALL BE MAINTAINED BY FLUMING, PUMPING, OR DIVERSION. THE COST TO MAINTAIN THIS FLOW SHALL BE INCLUDED IN THE COST OF THE PROPOSED SEWER.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			31	10
STA				





NO.	BY	DATE	DESCRIPTION

REVISIONS

1000 S. KEDZIE AVENUE VIADUCT

DRAINAGE PLAN AND PROFILE

CONSULTANT: STV Incorporated, engineers/architects/scientists/construction managers, Chicago, Illinois

CITY OF CHICAGO

DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAYS

DRAWN:
CHECKED:
APPROVED:
DATE:
SCALE: AS SHOWN
CONTRACT NO.:

SHEET NO. 10 OF 31

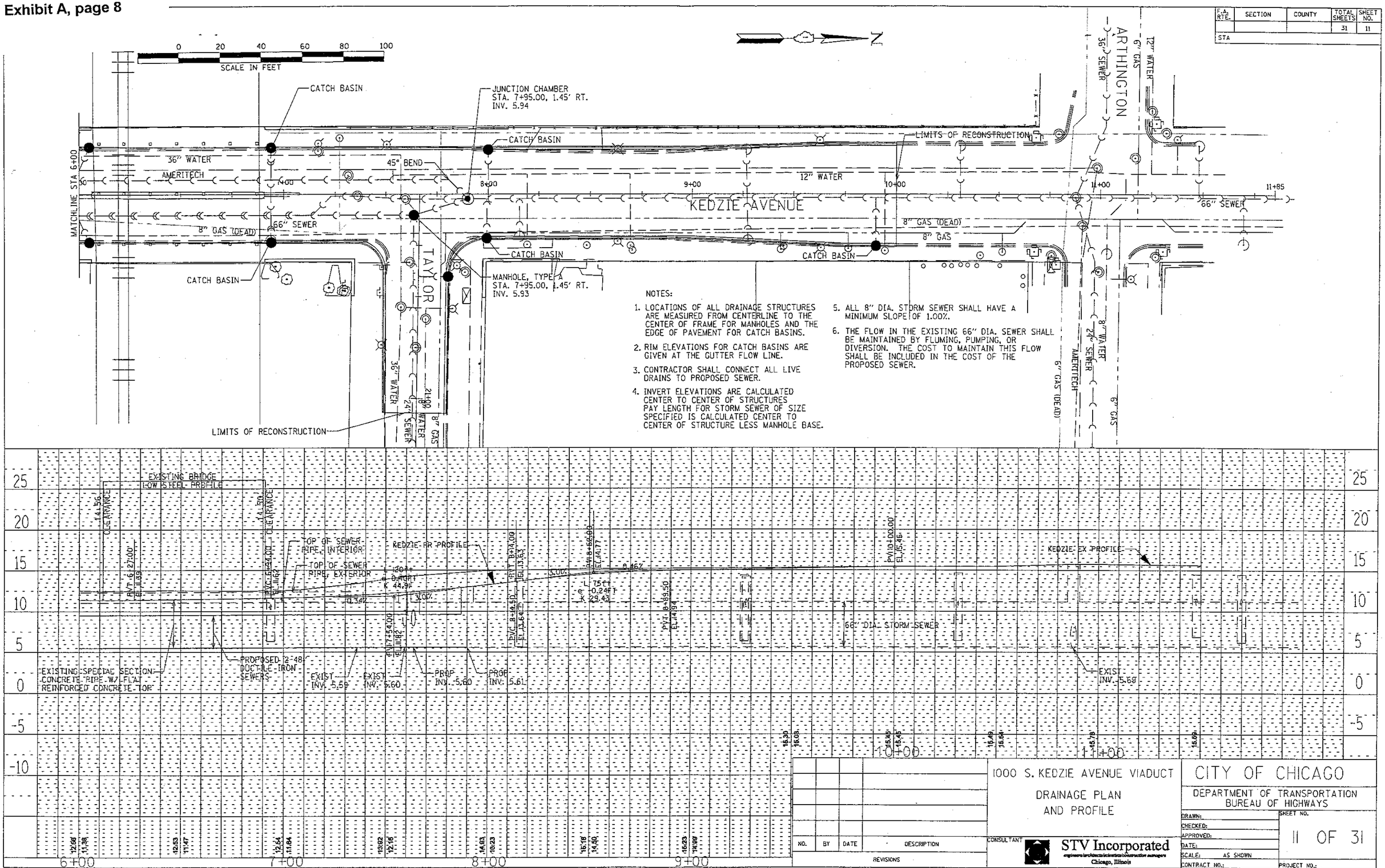
PROJECT NO.:

PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / R.O.W. CHECKED / CADD FILE NAME / NOTE BOOK NO. / BY / DATE

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTATIONS CHKD / NOTE BOOK NO. / BY / DATE

Exhibit A, page 8

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			31	11
STA				



NOTES:

1. LOCATIONS OF ALL DRAINAGE STRUCTURES ARE MEASURED FROM CENTERLINE TO THE CENTER OF FRAME FOR MANHOLES AND THE EDGE OF PAVEMENT FOR CATCH BASINS.
2. RIM ELEVATIONS FOR CATCH BASINS ARE GIVEN AT THE GUTTER FLOW LINE.
3. CONTRACTOR SHALL CONNECT ALL LIVE DRAINS TO PROPOSED SEWER.
4. INVERT ELEVATIONS ARE CALCULATED CENTER TO CENTER OF STRUCTURES PAY LENGTH FOR STORM SEWER OF SIZE SPECIFIED IS CALCULATED CENTER TO CENTER OF STRUCTURE LESS MANHOLE BASE.
5. ALL 8" DIA. STORM SEWER SHALL HAVE A MINIMUM SLOPE OF 1.00%.
6. THE FLOW IN THE EXISTING 66" DIA. SEWER SHALL BE MAINTAINED BY FLUMING, PUMPING, OR DIVERSION. THE COST TO MAINTAIN THIS FLOW SHALL BE INCLUDED IN THE COST OF THE PROPOSED SEWER.

NO.	BY	DATE	DESCRIPTION

REVISIONS

1000 S. KEDZIE AVENUE VIADUCT

DRAINAGE PLAN AND PROFILE

CONSULTANT: STV Incorporated, engineers/architects/scientists/construction managers, Chicago, Illinois

CITY OF CHICAGO

DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAYS

DRAWN:
CHECKED:
APPROVED:
DATE:
SCALE: AS SHOWN
CONTRACT NO.:

SHEET NO. 11 OF 31

PROJECT NO.: