CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	401
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

The Subsurface Utility Engineering Company
449 Munroe Falls Road
Tallmadge, OH 44278
(330) 794-4455

So-Deep Test Hole Certification Form - Metric

So-Deep Corporate Office
8397 Euclid Avenue
Manassas Park, VA 20111
(703)361-6005

Control # SILC078
Test Hole # 36
Plan Scale 1:50
Sheet # 26
Proposed GRADE CHANGE
Date JULY 23, 2009

Condition of paving prior to work: **NO PAVING**

SO-DEEP will attempt to use the BM/HI most applicable to your design. If however, BMs differ by more than 0.015 m, resulting differences could cause design conflicts.

City, County, State **CITY OF YORKVILLE, IL**
Gen. Loc. **U.S. 34, 80Mt± E OF S.R. 47**
Recorded Size/Material/Type **UNK. SIZE & TYPE (AT&T) TELE. LINE**
Foreman/Truck#/Form By **J. CLINE / 219 / R. MOONEY**

B.M. 1 Elev. = **195.252M** is **GIVEN**
Description: **CHIS "X" SET TOP RIM STM MH, 10Mt± LT OF CL STA 190+047±, U.S. 34**

B.M. 2 Elev. = **195.248M** is **GIVEN**
Description: **CHIS "X" SET TOP RIM CB, 10Mt± RT OF CL STA 190+048±, U.S. 34**

Benchmarks check **BY 0.004M**
Elevations are referenced to **B.M.#1**

Recorded Size/Type of utility **WAS FOUND**

There **WERE NOT** additional utilities in the test hole

The utility **WAS** in good condition.

Paving Thickness and type **NO PAVING**

Color of ribbon installed **ORANGE**

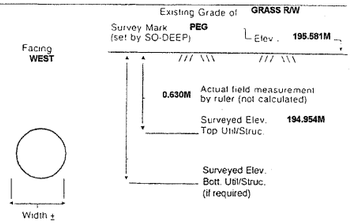
Soil Type **MOIST BROWN**

Field Condition **IN GRASS R/W**

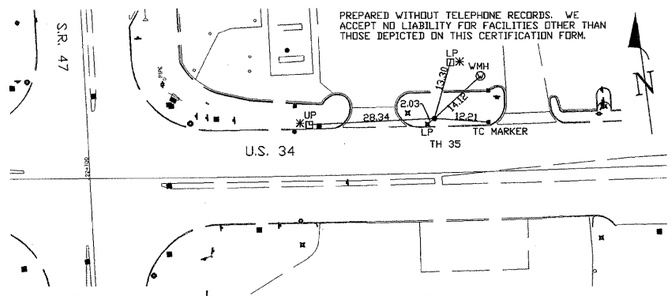
T.H. tied to **PEG**

44MM TELE. CABLE
Size/Material/Type
Portion of pipe exposed for O.D measurement:
FULL

Remarks: NONE



TH DUG 12.49M± LT OF CL STA 190+079.18±, U.S. 34



R/W = Rights of Way
N.T.S. = Not to Scale
* = Not Shown on Plan
PCC = Precast Concrete
COND. = Conduit
CONC. = Concrete
O.D. = Outside Diameter
C.I. = Cast Iron
D.I. = Ductile Iron
RPC = Rough Pour Concrete
CL = Centerline

T.C. = Terra Cotta
PLAS. = Plastic
BL = Base Line
ELEC. = Electric
TELE = Telephone
T.H. = Test Hole
SW = Sidewalk
DW = Driveway
BM = Benchmark
C.B. = Catch Basin
GV = Gas Valve

Sewer Manhole
Test Hole
Fire Hydrant
Pole
x-x-x-x-x Fence Line
Electric Manhole
△ = T.S. = Traverse Station
Valve
Water Meter
Telephone Manhole
Telephone Pedestal

Performing out-of-sight work...with vision!™

All values are shown in meters (m) or millimeters (mm).
To convert to feet multiply meters by 3.2808.
Note: To eliminate mistakes and check this work, So-Deep suggests you scale and plot all dimensions onto the plans and review all elevations carefully. So-Deep is responsible only for information shown on our forms.

The Subsurface Utility Engineering Company
449 Munroe Falls Road
Tallmadge, OH 44278
(330) 794-4455

So-Deep Test Hole Certification Form - Metric

So-Deep Corporate Office
8397 Euclid Avenue
Manassas Park, VA 20111
(703)361-6005

Control # SILC078
Test Hole # 36
Plan Scale 1:250
Sheet # 1
Proposed GRADE CHANGE
Date JULY 21, 2009

Condition of paving prior to work: **NO PAVING**

SO-DEEP will attempt to use the BM/HI most applicable to your design. If however, BMs differ by more than 0.015 m, resulting differences could cause design conflicts.

City, County, State **CITY OF YORKVILLE, IL**
Gen. Loc. **SR 47 48Mt± N OF SARAVANOS DRIVE**
Recorded Size/Material/Type **UNK. SIZE & TYPE (AT&T) TELE. LINE**
Foreman/Truck#/Form By **J. CLINE / 219 / R. MOONEY**

B.M. 1 Elev. = **226.971M** is **GIVEN**
Description: **CHIS "X" SET TOP RIM SMH, 20Mt± RT OF CL STA 18+222±, S.R. 47**

B.M. 2 Elev. = **229.242M** is **GIVEN**
Description: **CHIS "X" SET TOP RIM SMH, 22Mt± RT OF CL STA 18+134±, S.R. 47**

Benchmarks check **BY 0.009M**
Elevations are referenced to **B.M.#1**

Recorded Size/Type of utility **WAS FOUND**

There **WERE NOT** additional utilities in the test hole

The utility **WAS** in good condition.

Paving Thickness and type **NO PAVING**

Color of ribbon installed **ORANGE**

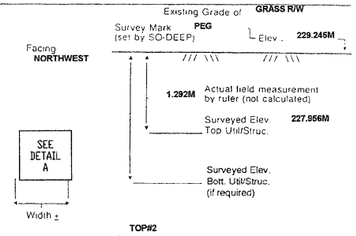
Soil Type **MOIST BROWN**

Field Condition **IN GRASS R/W**

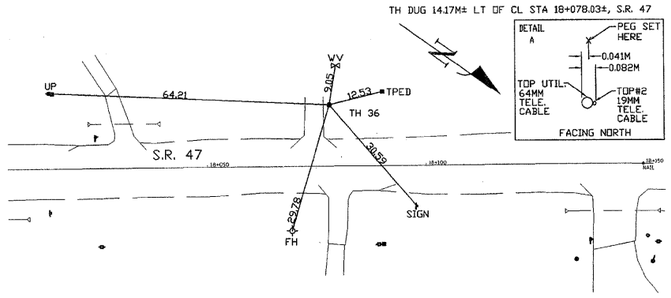
T.H. tied to **PEG**

(1) 64MM & (1) 19MM TELE. CABLE
Size/Material/Type
Portion of pipe exposed for O.D measurement:
FULL

Remarks: NONE



TH DUG 14.17M± LT OF CL STA 18+078.03±, S.R. 47



R/W = Rights of Way
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PCC = Precast Concrete
COND. = Conduit
CONC. = Concrete
O.D. = Outside Diameter
C.I. = Cast Iron
D.I. = Ductile Iron
RPC = Rough Pour Concrete
CL = Centerline

T.C. = Terra Cotta
PLAS. = Plastic
BL = Base Line
ELEC. = Electric
TELE = Telephone
T.H. = Test Hole
SW = Sidewalk
DW = Driveway
BM = Benchmark
C.B. = Catch Basin
GV = Gas Valve

Sewer Manhole
Test Hole
Fire Hydrant
Pole
x-x-x-x-x Fence Line
Electric Manhole
△ = T.S. = Traverse Station
Valve
Water Meter
Telephone Manhole
Telephone Pedestal

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The Subsurface Utility Engineering Company
449 Munroe Falls Road
Tallmadge, OH 44278
(330) 794-4455

So-Deep Test Hole Certification Form - Metric

So-Deep Corporate Office
8397 Euclid Avenue
Manassas Park, VA 20111
(703)361-6005

Control # SILC078
Test Hole # 37
Plan Scale 1:250
Sheet # 2
Proposed GRADE CHANGE
Date JULY 21, 2009

Condition of paving prior to work: **NO PAVING**

SO-DEEP will attempt to use the BM/HI most applicable to your design. If however, BMs differ by more than 0.015 m, resulting differences could cause design conflicts.

City, County, State **CITY OF YORKVILLE, IL**
Gen. Loc. **SR 47 48Mt± N OF SARAVANOS DRIVE**
Recorded Size/Material/Type **UNK. SIZE & TYPE (AT&T) TELE. LINE**
Foreman/Truck#/Form By **J. CLINE / 219 / R. MOONEY**

B.M. 1 Elev. = **226.971M** is **GIVEN**
Description: **CHIS "X" SET TOP RIM SMH, 20Mt± RT OF CL STA 18+222±, S.R. 47**

B.M. 2 Elev. = **229.242M** is **GIVEN**
Description: **CHIS "X" SET TOP RIM SMH, 22Mt± RT OF CL STA 18+134±, S.R. 47**

Benchmarks check **BY 0.009M**
Elevations are referenced to **B.M.#1**

Recorded Size/Type of utility **WAS FOUND**

There **WERE** additional utilities in the test hole

The utility **WAS** in good condition.

Paving Thickness and type **NO PAVING**

Color of ribbon installed **ORANGE**

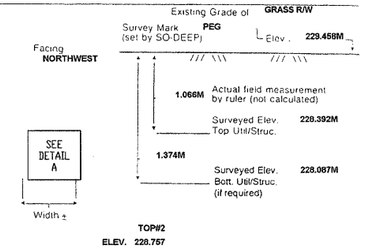
Soil Type **MOIST BROWN**

Field Condition **IN GRASS R/W**

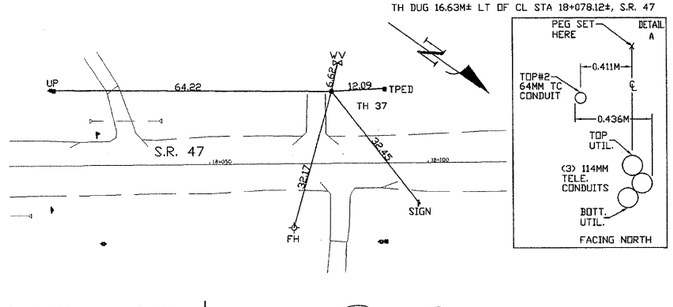
T.H. tied to **PEG**

(1)64MM TC CONDUIT & (3) 114MM PLAS.TELE CONDUITS*
Size/Material/Type
Portion of pipe exposed for O.D measurement:
FULL

Remarks: * CREW ALSO FOUND A 64MM T.C. CONDUIT RUNNING ABOVE AND PARALLEL TO THE TELE. CONDUITS.



TH DUG 16.63M± LT OF CL STA 18+078.12±, S.R. 47



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Sewer Manhole
Test Hole
Fire Hydrant
Pole
x-x-x-x-x Fence Line
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Telephone Manhole
Telephone Pedestal

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To convert to feet multiply meters by 3.2808.
Note: To eliminate mistakes and check this work, So-Deep suggests you scale and plot all dimensions onto the plans and review all elevations carefully. So-Deep is responsible only for information shown on our forms.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

UTILITY TEST HOLE RECORD

DRAWN BY

DATE CHECKED BY

HMG JOB NO. 5122

FILE: 391-406_Utility Test Hole sheets.dgn
PLOTTED: 8/11/2011

CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	402
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

The Subsurface Utility Engineering Company
449 Munroe Falls Road
Tallmadge, OH 44278
(330) 794-4455

So-Deep Test Hole Certification Form - Metric

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So-Deep Corporate Office
8397 Euclid Avenue
Manassas Park, VA 20111
(703)361-6005

Control # SILC078
Test Hole # 38
Plan Scale 1:250
Sheet # 31
Proposed Date GRADE CHANGE
JULY 21, 2009

City, County, State **CITY OF YORKVILLE, IL**
Gen. Loc **SW CORNER S.R. 47 & STAGECOACH TRAIL**
Recorded Size/Material/Type **305MM UNK. TYPE (YORKVILLE) WATER LINE**
Foreman/Truck#/Form By **J. CLINE / 219 / R. MOONEY**

Condition of paving prior to work **NO PAVING**

B.M. 1 Elev. = **221.600M** is **GIVEN**
Description: **CHIS "X" SET TOP RIM SMH, 23M± LT OF CL STA 18+404±, S.R. 47**

B.M. 2 Elev. = **223.400M** is **GIVEN**
Description: **CHIS "X" SET TOP RIM SMH, 21M± LT OF CL STA 18+332±, S.R. 47**

Benchmarks check **BY 0.007M**
Elevations are referenced to **B.M.#2**

SO-DEEP will attempt to use the BM/HI most applicable to your design. If however, BMs differ by more than 0.015 m, resulting differences could cause design conflicts.

Recorded Size/Type of utility **WAS FOUND**

There **WERE NOT** additional utilities in the test hole

The utility **WAS** in good condition.

Paving Thickness and type **NO PAVING**

Color of ribbon installed **BLUE**

Soil Type **MOIST BROWN**

Field Condition **IN GRASS R/W**

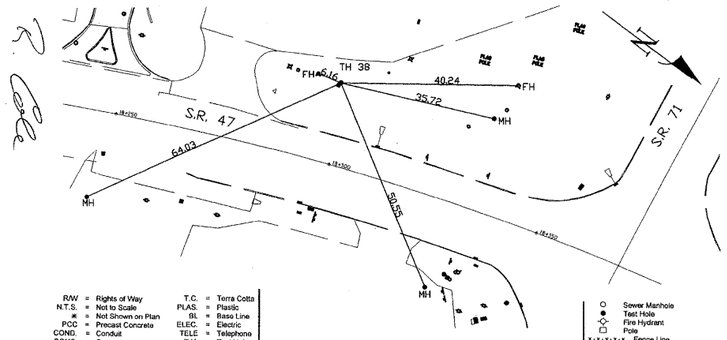
T.H. tied to **PEG**

324MM D.I. WATER LINE
Size/Material/Type
Portion of pipe exposed for O.D measurement:
FULL

Remarks: NONE

Existing Grade of **GRASS R/W**
Survey Mark **PEG** (set by SO-DEEP) Elev. **224.171M**
Facing **NORTH**
1.969M Actual field measurement by ruler (not calculated)
Surveyed Elev. Top Util/Struc. **222.202M**
Surveyed Elev. Bott. Util/Struc. (if required)
Width ±

TH DUG 18.69M± LT OF CL STA 18+297.97±, S.R. 47



R/W = Rights of Way
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CONC. = Concrete
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TELE = Telephone
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SW = Sidewalk
DW = Driveway
BM = Benchmark
C.B. = Catch Basin
GV = Gas Valve

Sewer Manhole
Test Hole
Fire Hydrant
Pole
x-x-x-x-x Fence Line
Electric Manhole
= T.S. = Traverse Station
Valve
Water Meter
Telephone Manhole
Telephone Pedestal

Performing out-of-sight work...with vision!℠

All values are shown in meters (m) or millimeters (mm).
To convert to feet multiply meters by 3.2808.
Note: To eliminate mistakes and check this work, So-Deep suggests you scale and plot all dimensions onto the plans and review all elevations carefully. So-Deep is responsible only for information shown on our forms.

The Subsurface Utility Engineering Company
449 Munroe Falls Road
Tallmadge, OH 44278
(330) 794-4455

So-Deep Test Hole Certification Form - Metric

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So-Deep Corporate Office
8397 Euclid Avenue
Manassas Park, VA 20111
(703)361-6005

Control # SILC078
Test Hole # 39
Plan Scale 1:250
Sheet # 32
Proposed Date GRADE CHANGE
JULY 21, 2009

City, County, State **CITY OF YORKVILLE, IL**
Gen. Loc **SW CORNER S.R. 47 & STAGECOACH TRAIL**
Recorded Size/Material/Type **305MM D.I. (YORKVILLE) WATER LINE**
Foreman/Truck#/Form By **J. CLINE / 219 / R. MOONEY**

Condition of paving prior to work **NO PAVING**

B.M. 1 Elev. = **221.600M** is **GIVEN**
Description: **CHIS "X" SET TOP RIM SMH, 23M± LT OF CL STA 18+404±, S.R. 47**

B.M. 2 Elev. = **223.400M** is **GIVEN**
Description: **CHIS "X" SET TOP RIM SMH, 21M± LT OF CL STA 18+332±, S.R. 47**

Benchmarks check **BY 0.007M**
Elevations are referenced to **B.M.#2**

SO-DEEP will attempt to use the BM/HI most applicable to your design. If however, BMs differ by more than 0.015 m, resulting differences could cause design conflicts.

Recorded Size/Type of utility **WAS FOUND**

There **WERE NOT** additional utilities in the test hole

The utility **WAS** in good condition.

Paving Thickness and type **NO PAVING**

Color of ribbon installed **BLUE**

Soil Type **MOIST BROWN**

Field Condition **IN GRASS R/W**

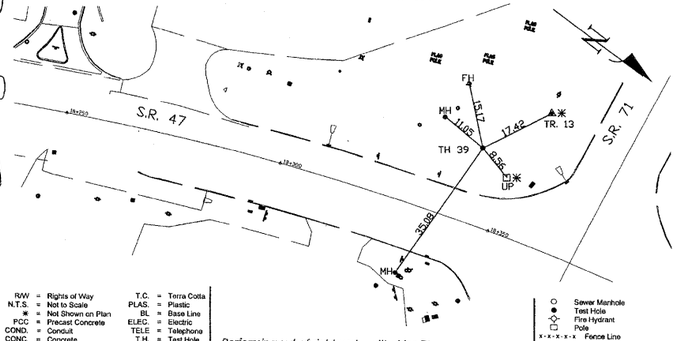
T.H. tied to **PEG**

324MM D.I. WATER LINE
Size/Material/Type
Portion of pipe exposed for O.D measurement:
FULL

Remarks: NONE

Existing Grade of **GRASS R/W**
Survey Mark **PEG** (set by SO-DEEP) Elev. **222.686M**
Facing **NORTH**
1.219M Actual field measurement by ruler (not calculated)
Surveyed Elev. Top Util/Struc. **221.464M**
Surveyed Elev. Bott. Util/Struc. (if required)
Width ±

TH DUG 17.66M± LT OF CL STA 18+342.41±, S.R. 47



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T.H. = Test Hole
SW = Sidewalk
DW = Driveway
BM = Benchmark
C.B. = Catch Basin
GV = Gas Valve

Sewer Manhole
Test Hole
Fire Hydrant
Pole
x-x-x-x-x Fence Line
Electric Manhole
= T.S. = Traverse Station
Valve
Water Meter
Telephone Manhole
Telephone Pedestal

Performing out-of-sight work...with vision!℠

All values are shown in meters (m) or millimeters (mm).
To convert to feet multiply meters by 3.2808.
Note: To eliminate mistakes and check this work, So-Deep suggests you scale and plot all dimensions onto the plans and review all elevations carefully. So-Deep is responsible only for information shown on our forms.

The Subsurface Utility Engineering Company
449 Munroe Falls Road
Tallmadge, OH 44278
(330) 794-4455

So-Deep Test Hole Certification Form - Metric

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So-Deep Corporate Office
8397 Euclid Avenue
Manassas Park, VA 20111
(703)361-6005

Control # SILC078
Test Hole # 40
Plan Scale 1:250
Sheet # 33
Proposed Date GRADE CHANGE
JULY 21, 2009

City, County, State **CITY OF YORKVILLE, IL**
Gen. Loc **S.R.47 JUST S OF BLDG. #6780**
Recorded Size/Material/Type **305MM UNK. TYPE (YORKVILLE) WATER LINE**
Foreman/Truck#/Form By **J. CLINE / 219 / R. MOONEY**

Condition of paving prior to work **NO PAVING**

B.M. 1 Elev. = **216.388M** is **GIVEN**
Description: **CHIS "X" SET TOP RIM STM MH, 15M± RT OF CL STA 18+631±, S.R. 47**

B.M. 2 Elev. = **216.471M** is **GIVEN**
Description: **CHIS "X" SET TOP RIM STM MH, 15M± RT OF CL STA 18+597±, S.R. 47**

Benchmarks check **BY 0.007M**
Elevations are referenced to **B.M.#2**

SO-DEEP will attempt to use the BM/HI most applicable to your design. If however, BMs differ by more than 0.015 m, resulting differences could cause design conflicts.

Recorded Size/Type of utility **WAS FOUND**

There **WERE NOT** additional utilities in the test hole

The utility **WAS** in good condition.

Paving Thickness and type **NO PAVING**

Color of ribbon installed **BLUE**

Soil Type **MOIST BROWN**

Field Condition **IN GRASS R/W**

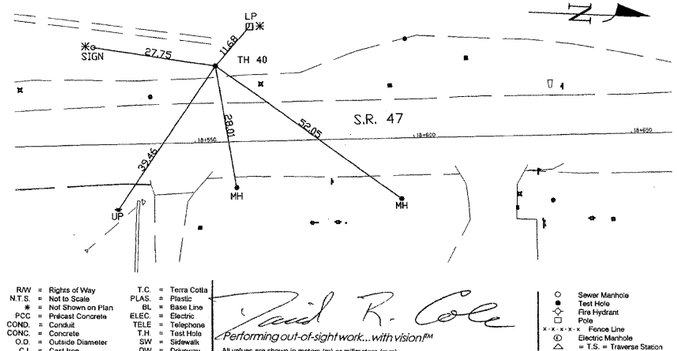
T.H. tied to **PEG**

324MM D.I. WATER LINE
Size/Material/Type
Portion of pipe exposed for O.D measurement:
FULL

Remarks: NONE

Existing Grade of **GRASS R/W**
Survey Mark **PEG** (set by SO-DEEP) Elev. **217.547M**
Facing **NORTH**
1.856M Actual field measurement by ruler (not calculated)
Surveyed Elev. Top Util/Struc. **215.690M**
Surveyed Elev. Bott. Util/Struc. (if required)
Width ±

TH DUG 17.22M± LT OF CL STA 18+555.20±, S.R. 47



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COND. = Conduit
CONC. = Concrete
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D.I. = Ductile Iron
RPC = Rough Pour Concrete
CL = Centerline
T.C. = Terra Cotta
PLAS. = Plastic
BL = Base Line
ELEC. = Electric
TELE = Telephone
T.H. = Test Hole
SW = Sidewalk
DW = Driveway
BM = Benchmark
C.B. = Catch Basin
GV = Gas Valve

Sewer Manhole
Test Hole
Fire Hydrant
Pole
x-x-x-x-x Fence Line
Electric Manhole
= T.S. = Traverse Station
Valve
Water Meter
Telephone Manhole
Telephone Pedestal

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Note: To eliminate mistakes and check this work, So-Deep suggests you scale and plot all dimensions onto the plans and review all elevations carefully. So-Deep is responsible only for information shown on our forms.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

UTILITY TEST HOLE RECORD

DRAWN BY
DATE CHECKED BY

HMG JOB NO. 5122

FILE: 391-406_Utility Test Hole sheets.dgn
PLOTTED: 8/11/2011

CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	403
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

The Subsurface Utility Engineering Company
449 Munroe Falls Road
Tallmadge, OH 44278
(330) 794-4455

So-Deep Test Hole Certification Form - Metric

So-Deep Corporate Office
8397 Euclid Avenue
Manassas Park, VA 20111
(703)361-6005

Control # **SILC078**
Test Hole # **41**
Plan Scale **1:250**
Sheet # **33**
Proposed **GRADE CHANGE**
Date **JULY 21, 2009**

Condition of paving prior to work **NO PAVING**

City, County, State **CITY OF YORKVILLE, IL**
Gen. Loc **S.R.47 IN FRONT OF BLDG. #6780**
Recorded Size/Material/Type **102MM UNK. TYPE (NICOR) GAS LINE**
Foreman/Truck#/Form By **J. CLINE / 219 / R. MOONEY**

B.M. 1 Elev. = **216.388M** is **GIVEN**
Description: **CHIS "X" SET TOP RIM STM MH, 15Mt RT OF CL STA 18+631±, S.R. 47**

B.M. 2 Elev. = **216.471M** is **GIVEN**
Description: **CHIS "X" SET TOP RIM STM MH, 15Mt RT OF CL STA 18+597±, S.R. 47**

Benchmarks check **BY 0.007M**
Elevations are referenced to **B.M.#2**

SO-DEEP will attempt to use the BM/HI most applicable to your design. If however, BMs differ by more than 0.015 m, resulting differences could cause design conflicts.

Recorded Size/Type of utility **WAS FOUND**

There **WERE NOT** additional utilities in the test hole

The utility **WAS** in good condition.

Paving Thickness and type **NO PAVING**

Color of ribbon installed **YELLOW**

Soil Type **MOIST BROWN**

Field Condition **IN GRASS R/W**

T.H. tied to **PEG**

121MM COATED STL. GAS LINE
Size/Material/Type
Portion of pipe exposed for O.D. measurement.
FULL

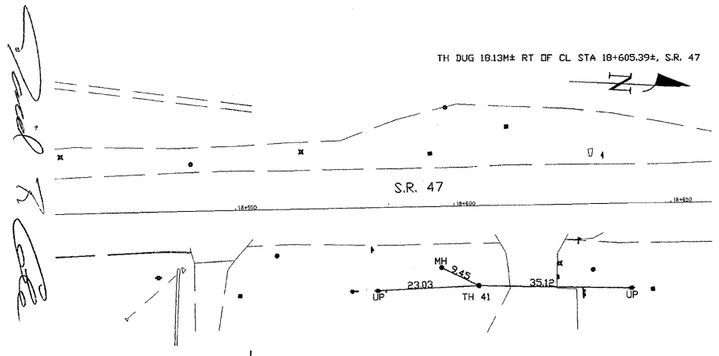
Remarks: NONE

Facing **NORTH**

Width ±

Existing Grade of **GRASS R/W**
Survey Mark (set by SO-DEEP) **PEG** Elev. **217.050M**
1.438M Actual field measurement by ruler (not calculated)
Surveyed Elev. Top Util/Struc. **215.608M**
Surveyed Elev. Bott. Util/Struc. (if required)

TH DUG 18.13M± RT OF CL STA 18+605.39±, S.R. 47



R/W = Rights of Way
N.T.S. = Not to Scale
* = Not Shown on Plan
PCC = Precast Concrete
COND. = Conduit
CONC. = Concrete
O.D. = Outside Diameter
C.I. = Cast Iron
D.I. = Ductile Iron
RPC = Rough Pour Concrete
CL = Centerline

T.C. = Terra Cotta
PLAS. = Plastic
BL = Base Line
ELEC. = Electric
TELE = Telephone
T.H. = Test Hole
SW = Sidewalk
DW = Driveway
BM = Benchmark
C.B. = Catch Basin
GV = Gas Valve

Sewer Manhole
Test Hole
Fire Hydrant
Pole
x-x-x-x-x Fence Line
Electric Manhole
△ = T.S. = Traverse Station
Valve
Water Meter
Telephone Manhole
Telephone Pedestal

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All values are shown in meters (m) or milimeters (mm).
To convert to feet multiply meters by 3.2808.
Note: To eliminate mistakes and check this work, So-Deep suggests you scale and plot all dimensions onto the plans and review all elevations carefully. So-Deep is responsible only for information shown on our forms.

The Subsurface Utility Engineering Company
449 Munroe Falls Road
Tallmadge, OH 44278
(330) 794-4455

So-Deep Test Hole Certification Form - Metric

So-Deep Corporate Office
8397 Euclid Avenue
Manassas Park, VA 20111
(703)361-6005

Control # **SILC078**
Test Hole # **42**
Plan Scale **1:250**
Sheet # **7**
Proposed **GRADE CHANGE**
Date **JULY 10, 2009**

Condition of paving prior to work **NO PAVING**

City, County, State **CITY OF YORKVILLE, IL**
Gen. Loc **S.R. 47, BTWN. BEAVER ST. AND COLONIAL PKWY.**
Recorded Size/Material/Type **102MM W/STL. (NICOR) GAS LINE**
Foreman/Truck#/Form By **J. CLINE / 219 / R. MOONEY**

B.M. 1 Elev. = **202.126M** is **GIVEN**
Description: **CHIS "X " SET TOP RIM SMH, 24Mt± LT OF CL STA 19+668±, S.R. 47**

B.M. 2 Elev. = **201.219M** is **GIVEN**
Description: **CHIS "X" SET TOP RIM SMH, 24Mt± LT OF CL STA 19+741±, S.R. 47**

Benchmarks check **BY 0.001M**
Elevations are referenced to **B.M.#1**

SO-DEEP will attempt to use the BM/HI most applicable to your design. If however, BMs differ by more than 0.015 m, resulting differences could cause design conflicts.

Recorded Size/Type of utility **WAS FOUND**

There **WERE NOT** additional utilities in the test hole

The utility **WAS** in good condition.

Paving Thickness and type **NO PAVING**

Color of ribbon installed **YELLOW**

Soil Type **MOIST BROWN**

Field Condition **IN GRASS R/W**

T.H. tied to **PEG**

121MM PLASTIC COATED STL. GAS LINE
Size/Material/Type
Portion of pipe exposed for O.D. measurement.
FULL

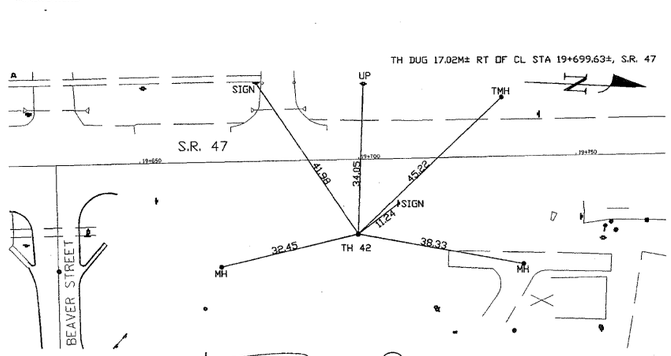
Remarks: NONE

Facing **NORTH**

Width ±

Existing Grade of **GRASS R/W**
Survey Mark (set by SO-DEEP) **PEG** Elev. **202.793M**
1.051M Actual field measurement by ruler (not calculated)
Surveyed Elev. Top Util/Struc. **201.742M**
Surveyed Elev. Bott. Util/Struc. (if required)

TH DUG 17.02M± RT OF CL STA 19+699.63±, S.R. 47



R/W = Rights of Way
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Sewer Manhole
Test Hole
Fire Hydrant
Pole
x-x-x-x-x Fence Line
Electric Manhole
△ = T.S. = Traverse Station
Valve
Water Meter
Telephone Manhole
Telephone Pedestal

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To convert to feet multiply meters by 3.2808.
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The Subsurface Utility Engineering Company
449 Munroe Falls Road
Tallmadge, OH 44278
(330) 794-4455

So-Deep Test Hole Certification Form - Metric

So-Deep Corporate Office
8397 Euclid Avenue
Manassas Park, VA 20111
(703)361-6005

Control # **SILC078**
Test Hole # **43**
Plan Scale **1:250**
Sheet # **7**
Proposed **GRADE CHANGE**
Date **JULY 10, 2009**

Condition of paving prior to work **NO PAVING**

City, County, State **CITY OF YORKVILLE, IL**
Gen. Loc **S.R. 47, BTWN. BEAVER ST. AND COLONIAL PKWY.**
Recorded Size/Material/Type **102MM W/STL.(NICOR) GAS LINE**
Foreman/Truck#/Form By **J. CLINE / 219 / R. MOONEY**

B.M. 1 Elev. = **202.126M** is **GIVEN**
Description: **CHIS "X " SET TOP RIM SMH, 24Mt± LT OF CL STA 19+668±, S.R. 47**

B.M. 2 Elev. = **201.219M** is **GIVEN**
Description: **CHIS "X" SET TOP RIM SMH, 24Mt± LT OF CL STA 19+741±, S.R. 47**

Benchmarks check **BY 0.001M**
Elevations are referenced to **B.M.#1**

SO-DEEP will attempt to use the BM/HI most applicable to your design. If however, BMs differ by more than 0.015 m, resulting differences could cause design conflicts.

Recorded Size/Type of utility **WAS FOUND**

There **WERE NOT** additional utilities in the test hole

The utility **WAS** in good condition.

Paving Thickness and type **NO PAVING**

Color of ribbon installed **YELLOW**

Soil Type **MOIST BROWN**

Field Condition **IN GRASS R/W**

T.H. tied to **PEG**

121MM PLASTIC COATED STL. GAS LINE
Size/Material/Type
Portion of pipe exposed for O.D. measurement.
FULL

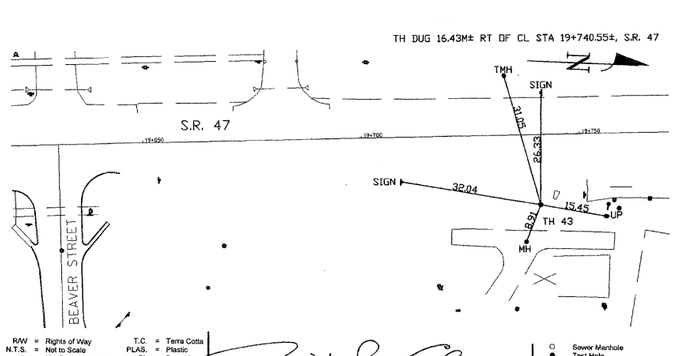
Remarks: NONE

Facing **NORTH**

Width ±

Existing Grade of **GRASS R/W**
Survey Mark (set by SO-DEEP) **PEG** Elev. **202.744M**
1.127M Actual field measurement by ruler (not calculated)
Surveyed Elev. Top Util/Struc. **201.614M**
Surveyed Elev. Bott. Util/Struc. (if required)

TH DUG 16.43M± RT OF CL STA 19+740.55±, S.R. 47



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Sewer Manhole
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Fire Hydrant
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Telephone Pedestal

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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

UTILITY
TEST HOLE
RECORD

DRAWN BY
DATE CHECKED BY

HMG JOB NO. 5122

FILE: 391-406_Utility Test Hole sheets.dgn
PLOTTED: 8/11/2011

CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	404
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

The Subsurface Utility Engineering Company
449 Munroe Falls Road
Tallmadge, OH 44278
(330) 794-4455

So-Deep Test Hole Certification Form - Metric

So-Deep Corporate Office
8397 Euclid Avenue
Manassas Park, VA 20111
(703)361-6005

Control # **SILC078**
Test Hole # **44**
Plan Scale **1:250**
Sheet # **8**
Proposed **GRADE CHANGE**
Date **JULY 21, 2009**

Condition of paving prior to work **NO PAVING**

SO-DEEP will attempt to use the BM/HI most applicable to your design. If however, BMs differ by more than 0.015 m, resulting differences could cause design conflicts.

City, County, State **CITY OF YORKVILLE, IL**
Gen. Loc **S.R.47 JUST N OF COLONIAL PARKWAY**
Recorded Size/Material/Type **102MM UNK.TYPE (NICOR) GAS LINE**
Foreman/Truck#/Form By **J. CLINE / 219 / R. MOONEY**

B.M. 1 Elev. = **201.400M** is **GIVEN**
Description: **CHIS "X" SET TOP RIM SMH, 7M± RT OF CL STA 20+000±, S.R. 47**

B.M. 2 Elev. = **201.021M** is **GIVEN**
Description: **CHIS "X" SET TOP RIM STM MH, 8M± RT OF CL STA 20+080±, S.R. 47**

Benchmarks check **BY 0.010M**
Elevations are referenced to **B.M.#1**

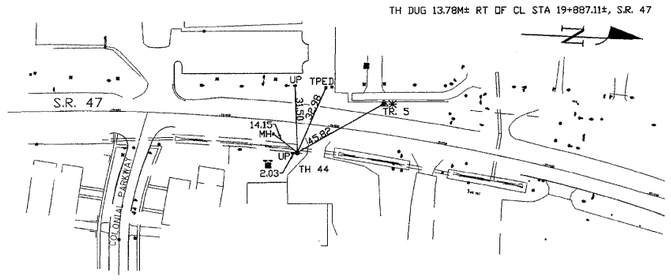
Recorded Size/Type of utility **WAS FOUND**
There **WERE NOT** additional utilities in the test hole
The utility **WAS** in good condition.
Paving Thickness and type **NO PAVING**
Color of ribbon installed **YELLOW**
Soil Type **MOIST BROWN**
Field Condition **CONC. DITCH**
T.H. tied to **CHIS "X"**

121MM COATED STL. GAS LINE
Size/Material/Type
Portion of pipe exposed for O.D measurement:
FULL

Remarks: NONE

Existing Grade of **CONC. DITCH**
Survey Mark (set by SO-DEEP) **CHIS "X"** Elev. **201.306M**
Facing **NORTHWEST**
1.149M Actual field measurement by ruler (not calculated)
Surveyed Elev. Top Util/Struc. **200.150M**
Surveyed Elev. Bott. Util/Struc. (if required)
Width ±

TH DUG 13.78M± RT OF CL STA 19+887.11±, S.R. 47



R/W = Rights of Way
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CONC. = Concrete
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SW = Sidewalk
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BM = Benchmark
C.B. = Catch Basin
GV = Gas Valve

Sewer Manhole
Test Hole
Fire Hydrant
Pole
x-x-x-x-x Fence Line
Electric Manhole
= T.S. = Traverse Station
Valve
Water Meter
Telephone Manhole
Telephone Pedestal

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All values are shown in meters (m) or millimeters (mm).
To convert to feet multiply meters by 3.2808.
Note: To eliminate mistakes and check this work, So-Deep suggests you scale and plot all dimensions onto the plans and review all elevations carefully. So-Deep is responsible only for information shown on our forms.

The Subsurface Utility Engineering Company
449 Munroe Falls Road
Tallmadge, OH 44278
(330) 794-4455

So-Deep Test Hole Certification Form - Metric

So-Deep Corporate Office
8397 Euclid Avenue
Manassas Park, VA 20111
(703)361-6005

Control # **SILC078**
Test Hole # **45**
Plan Scale **1:250**
Sheet # **11**
Proposed **GRADE CHANGE**
Date **JULY 23, 2009**

Condition of paving prior to work **NO PAVING**

SO-DEEP will attempt to use the BM/HI most applicable to your design. If however, BMs differ by more than 0.015 m, resulting differences could cause design conflicts.

City, County, State **CITY OF YORKVILLE, IL**
Gen. Loc **S.R. 47 JUST N OF WASHINGTON ST.**
Recorded Size/Material/Type **51MM UNK.TYPE (NICOR) GAS LINE**
Foreman/Truck#/Form By **J. CLINE / 219 / R. MOONEY**

B.M. 1 Elev. = **195.129M** is **GIVEN**
Description: **CHIS "X " SET TOP RIM CB, 6M± RT OF CL STA 20+503±, S.R. 47**

B.M. 2 Elev. = **195.222M** is **GIVEN**
Description: **CHIS "X" SET TOP RIM CB, 6M± LT OF CL STA 20+501±, S.R. 47**

Benchmarks check **BY 0.001M**
Elevations are referenced to **B.M.#2**

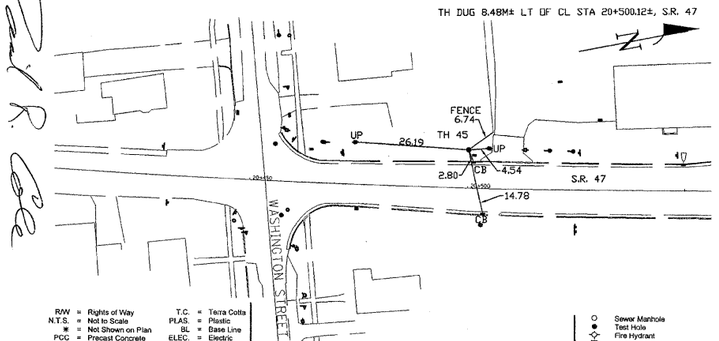
Recorded Size/Type of utility **WAS FOUND**
There **WERE NOT** additional utilities in the test hole
The utility **WAS** in good condition.
Paving Thickness and type **NO PAVING**
Color of ribbon installed **YELLOW**
Soil Type **MOIST BROWN**
Field Condition **IN GRASS R/W**
T.H. tied to **PEG**

64MM PLASTIC COATED STL. GAS LINE
Size/Material/Type
Portion of pipe exposed for O.D measurement:
FULL

Remarks: NONE

Existing Grade of **GRASS R/W**
Survey Mark (set by SO-DEEP) **PEG** Elev. **195.048M**
Facing **NORTH**
0.935M Actual field measurement by ruler (not calculated)
Surveyed Elev. Top Util/Struc. **194.115M**
Surveyed Elev. Bott. Util/Struc. (if required)
Width ±

TH DUG 8.48M± LT OF CL STA 20+500.12±, S.R. 47



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PCC = Precast Concrete
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CONC. = Concrete
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Sewer Manhole
Test Hole
Fire Hydrant
Pole
x-x-x-x-x Fence Line
Electric Manhole
= T.S. = Traverse Station
Valve
Water Meter
Telephone Manhole
Telephone Pedestal

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To convert to feet multiply meters by 3.2808.
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The Subsurface Utility Engineering Company
449 Munroe Falls Road
Tallmadge, OH 44278
(330) 794-4455

So-Deep Test Hole Certification Form - Metric

So-Deep Corporate Office
8397 Euclid Avenue
Manassas Park, VA 20111
(703)361-6005

Control # **SILC078**
Test Hole # **46**
Plan Scale **1:250**
Sheet # **16**
Proposed **GRADE CHANGE**
Date **JULY 14, 2009**

Condition of paving prior to work **NO PAVING**

SO-DEEP will attempt to use the BM/HI most applicable to your design. If however, BMs differ by more than 0.015 m, resulting differences could cause design conflicts.

City, County, State **CITY OF YORKVILLE, IL**
Gen. Loc **S.R. 47 JUST N OF SPRING ST.**
Recorded Size/Material/Type **51MM UNK. TYPE (NICOR) GAS LINE**
Foreman/Truck#/Form By **J. CLINE / 219 / R. MOONEY**

B.M. 1 Elev. = **190.533M** is **GIVEN**
Description: **CHIS "X " SET TOP RIM STM MH, 11M± LT OF CL STA 21+600±, S.R. 47**

B.M. 2 Elev. = **190.734M** is **GIVEN**
Description: **CHIS "X" SET TOP RIM STM MH, 12M± RT OF CL STA 21+594±, S.R. 47**

Benchmarks check **BY 0.009M**
Elevations are referenced to **B.M.#2**

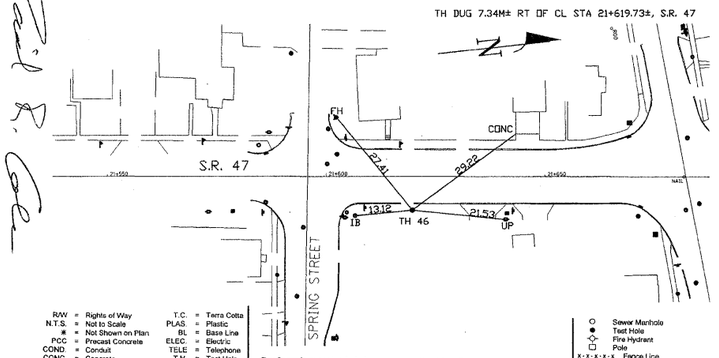
Recorded Size/Type of utility **WAS FOUND**
There **WERE NOT** additional utilities in the test hole
The utility **WAS** in good condition.
Paving Thickness and type **NO PAVING**
Color of ribbon installed **YELLOW**
Soil Type **MOIST BROWN**
Field Condition **IN GRASS R/W**
T.H. tied to **PEG**

64MM COATED STL. GAS LINE
Size/Material/Type
Portion of pipe exposed for O.D measurement:
FULL

Remarks: NONE

Existing Grade of **GRASS R/W**
Survey Mark (set by SO-DEEP) **PEG** Elev. **190.734M**
Facing **NORTH**
1.152M Actual field measurement by ruler (not calculated)
Surveyed Elev. Top Util/Struc. **189.579M**
Surveyed Elev. Bott. Util/Struc. (if required)
Width ±

TH DUG 7.34M± RT OF CL STA 21+619.73±, S.R. 47



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Sewer Manhole
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Fire Hydrant
Pole
x-x-x-x-x Fence Line
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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

UTILITY TEST HOLE RECORD

DRAWN BY
DATE CHECKED BY

HMG JOB NO. 5122

FILE: 391-405_Utility Test Hole sheets.dgn
PLOTTED: 8/11/2011

CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	405
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

The Subsurface Utility Engineering Company
449 Munroe Falls Road
Tallmadge, OH 44278
(330) 794-4455

So-Deep Test Hole Certification Form - Metric

© So-Deep 1988, 1994

So-Deep Corporate Office
8397 Euclid Avenue
Manassas Park, VA 20111
(703)361-6005

Control # **SILC078**
Test Hole # **47**
Plan Scale **1:250**
Sheet # **15**
Proposed Date **GRADE CHANGE JULY 14, 2009**

Condition of paving prior to work **NO PAVING**

City, County, State **CITY OF YORKVILLE, IL**
Gen. Loc. **S.R. 47 JUST N OF SPRING ST.**
Recorded Size/Material/Type **UNK. SIZE & TYPE (AT&T) TELE. LINE**
Foreman/Truck#/Form By **J. CLINE / 219 / R. MOONEY**

B.M. 1 Elev. = **190.533M** is **GIVEN**
Description: **CHIS "X " SET TOP RIM STM MH, 11M± LT OF CL STA 21+600±, S.R. 47**

B.M. 2 Elev. = **190.734M** is **GIVEN**
Description: **CHIS "X" SET TOP RIM STM MH, 12M± RT OF CL STA 21+594±, S.R. 47**

Benchmarks check **BY 0.009M**
Elevations are referenced to **B.M.#2**

SO-DEEP will attempt to use the BM/HI most applicable to your design. If however, BMs differ by more than 0.015 m, resulting differences could cause design conflicts.

Recorded Size/Type of utility **WAS FOUND**
There **WERE NOT** additional utilities in the test hole
The utility **WAS** in good condition.
Paving Thickness and type **NO PAVING**
Color of ribbon installed **ORANGE**
Soil Type **MOIST BROWN**
Field Condition **IN GRASS R/W**
T.H. tied to **PEG**

(2) 114MM PLASTIC TELE. CONDUITS
Size/Material/Type
Portion of pipe exposed for O.D. measurement:
FULL

Remarks: NONE

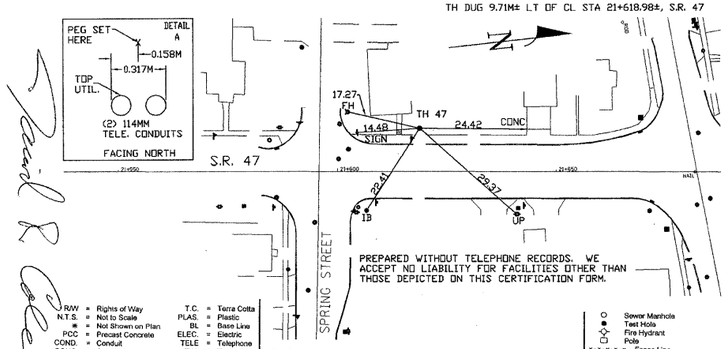
Facing **NORTH**

SEE DETAIL A

Width ±

Existing Grade of **GRASS R/W**
Survey Mark (set by SO-DEEP) **PEG** Elev. **190.615M**
1.615M Actual field measurement by ruler (not calculated)
Surveyed Elev. Top Util/Struc. **189.000M**
Surveyed Elev. Bott. Util/Struc. (if required)

TH DUG 9.71M± LT OF CL STA 21+618.98±, S.R. 47



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Note: To eliminate mistakes and check this work, So-Deep suggests you scale and plot all dimensions onto the plans and review all elevations carefully. So-Deep is responsible only for information shown on our forms.

The Subsurface Utility Engineering Company
449 Munroe Falls Road
Tallmadge, OH 44278
(330) 794-4455

So-Deep Test Hole Certification Form - Metric

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So-Deep Corporate Office
8397 Euclid Avenue
Manassas Park, VA 20111
(703)361-6005

Control # **SILC078**
Test Hole # **48**
Plan Scale **1:250**
Sheet # **39**
Proposed Date **GRADE CHANGE JULY 10, 2009**

Condition of paving prior to work **NO PAVING**

City, County, State **CITY OF YORKVILLE, IL**
Gen. Loc. **S.R. 47, 200M± N OF US 34**
Recorded Size/Material/Type **UNK. SIZE & TYPE (AT&T) TELE. LINE**
Foreman/Truck#/Form By **J. CLINE / 219 / R. MOONEY**

B.M. 1 Elev. = **194.736M** is **GIVEN**
Description: **CHIS "X" SET TOP RIM STM MH, 16M± LT OF CL STA 22+827±, S.R. 47**

B.M. 2 Elev. = **194.692M** is **GIVEN**
Description: **CHIS "X" SET TOP RIM STM MH, 43M± RT OF CL STA 22+879±, S.R. 47**

Benchmarks check **BY 0.002M**
Elevations are referenced to **B.M.#1**

SO-DEEP will attempt to use the BM/HI most applicable to your design. If however, BMs differ by more than 0.015 m, resulting differences could cause design conflicts.

Recorded Size/Type of utility **WAS FOUND**
There **WERE NOT** additional utilities in the test hole
The utility **WAS** in good condition.
Paving Thickness and type **NO PAVING**
Color of ribbon installed **ORANGE**
Soil Type **MOIST BROWN**
Field Condition **IN GRASS R/W**
T.H. tied to **PEG**

44MM TELE. CABLE
Size/Material/Type
Portion of pipe exposed for O.D. measurement:
FULL

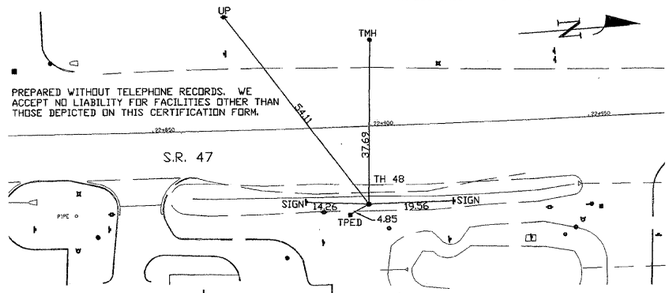
Remarks: NONE

Facing **NORTH**

Width ±

Existing Grade of **GRASS R/W**
Survey Mark (set by SO-DEEP) **PEG** Elev. **194.669M**
0.947M Actual field measurement by ruler (not calculated)
Surveyed Elev. Top Util/Struc. **193.718M**
Surveyed Elev. Bott. Util/Struc. (if required)

TH DUG 17.88M± RT OF CL STA 22+898.75±, S.R. 47



R/W = Rights of Way
N.T.S. = Not to Scale
✱ = Not Shown on Plan
PCC = Precast Concrete
COND. = Conduit
CONC. = Concrete
O.D. = Outside Diameter
C.I. = Cast Iron
D.I. = Ductile Iron
RPC = Rough Pour Concrete
CL = Centerline
T.C. = Terra Cotta
PLAS. = Plastic
BL = Base Line
ELEC. = Electric
TELE = Telephone
T.H. = Test Hole
SW = Sidewalk
DW = Driveway
BM = Benchmark
C.B. = Catch Basin
GV = Gas Valve

Sewer Manhole
Test Hole
Fire Hydrant
Pole
x-x-x-x-x-x Fence Line
Electric Manhole
= T.S. = Traverse Station
Valve
Water Meter
Telephone Manhole
Telephone Pedestal

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All values are shown in meters (m) or millimeters (mm).
To convert to feet multiply meters by 3.2808.
Note: To eliminate mistakes and check this work, So-Deep suggests you scale and plot all dimensions onto the plans and review all elevations carefully. So-Deep is responsible only for information shown on our forms.

The Subsurface Utility Engineering Company
449 Munroe Falls Road
Tallmadge, OH 44278
(330) 794-4455

So-Deep Test Hole Certification Form - Metric

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So-Deep Corporate Office
8397 Euclid Avenue
Manassas Park, VA 20111
(703)361-6005

Control # **SILC078**
Test Hole # **49**
Plan Scale **1:250**
Sheet # **39**
Proposed Date **GRADE CHANGE JULY 10, 2009**

Condition of paving prior to work **NO PAVING**

City, County, State **CITY OF YORKVILLE, IL**
Gen. Loc. **S.R. 47, 200M± N OF US 34**
Recorded Size/Material/Type **51MM UNK. TYPE (NICOR) GAS LINE**
Foreman/Truck#/Form By **J. CLINE / 219 / R. MOONEY**

B.M. 1 Elev. = **194.736M** is **GIVEN**
Description: **CHIS "X" SET TOP RIM STM MH, 16M± LT OF CL STA 22+827±, S.R. 47**

B.M. 2 Elev. = **194.692M** is **GIVEN**
Description: **CHIS "X" SET TOP RIM STM MH, 43M± RT OF CL STA 22+879±, S.R. 47**

Benchmarks check **BY 0.002M**
Elevations are referenced to **B.M.#1**

SO-DEEP will attempt to use the BM/HI most applicable to your design. If however, BMs differ by more than 0.015 m, resulting differences could cause design conflicts.

Recorded Size/Type of utility **WAS FOUND**
There **WERE NOT** additional utilities in the test hole
The utility **WAS** in good condition.
Paving Thickness and type **NO PAVING**
Color of ribbon installed **YELLOW**
Soil Type **MOIST BROWN**
Field Condition **IN GRASS R/W**
T.H. tied to **PEG**

64MM COATED STL. GAS LINE
Size/Material/Type
Portion of pipe exposed for O.D. measurement:
FULL

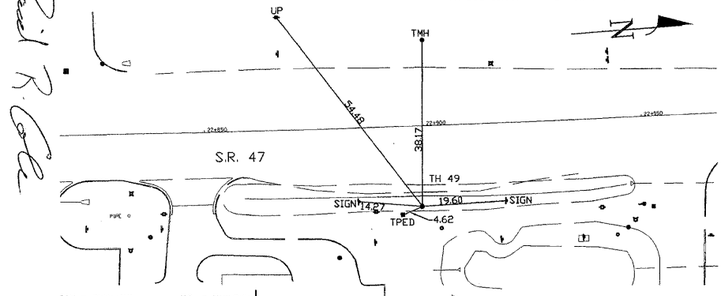
Remarks: NONE

Facing **NORTH**

Width ±

Existing Grade of **GRASS R/W**
Survey Mark (set by SO-DEEP) **PEG** Elev. **194.782M**
1.042M Actual field measurement by ruler (not calculated)
Surveyed Elev. Top Util/Struc. **193.743M**
Surveyed Elev. Bott. Util/Struc. (if required)

TH DUG 18.36M± RT OF CL STA 22+898.72±, S.R. 47



R/W = Rights of Way
N.T.S. = Not to Scale
✱ = Not Shown on Plan
PCC = Precast Concrete
COND. = Conduit
CONC. = Concrete
O.D. = Outside Diameter
C.I. = Cast Iron
D.I. = Ductile Iron
RPC = Rough Pour Concrete
CL = Centerline
T.C. = Terra Cotta
PLAS. = Plastic
BL = Base Line
ELEC. = Electric
TELE = Telephone
T.H. = Test Hole
SW = Sidewalk
DW = Driveway
BM = Benchmark
C.B. = Catch Basin
GV = Gas Valve

Sewer Manhole
Test Hole
Fire Hydrant
Pole
x-x-x-x-x-x Fence Line
Electric Manhole
= T.S. = Traverse Station
Valve
Water Meter
Telephone Manhole
Telephone Pedestal

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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

UTILITY TEST HOLE RECORD

DRAWN BY
DATE CHECKED BY

HMG JOB NO. 5122

FILE: 391-406_Utility Test Hole sheets.dgn
PLOTTED: 8/11/2011

CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	406
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

The Subsurface Utility Engineering Company
449 Munroe Falls Road
Tallmadge, OH 44278
(330) 794-4455

So-Deep Test Hole Certification Form - Metric

So-Deep Corporate Office
8397 Euclid Avenue
Manassas Park, VA 20111
(703)361-6005

Control # SILC078
Test Hole # 80
Plan Scale 1:250
Sheet # 19
Proposed GRADE CHANGE
Date JULY 23, 2009

City, County, State **CITY OF YORKVILLE, IL**
Gen. Loc. **S.R. 47 JUST S OF COUNTRYSIDE PKWY.**
Recorded Size/Material/Type **UNK. SIZE & TYPE (AT&T) TELE. LINE**
Foreman/Truck#/Form By **J. CLINE / 219 / R. MOONEY**

Condition of paving prior to work **NO PAVING**

B.M. 1 Elev. = **195.332M** is **GIVEN**
Description: **(TRAV 35) IP FOUND, 11.5M± LT OF CL STA 23+216.5±, S.R. 47**

B.M. 2 Elev. = **194.681M** is **GIVEN**
Description: **CHIS "X " SET TOP RIM SMH, 28M± RT OF CL STA 23+063±, S.R. 47**

Benchmarks check **BY 0.005M**
Elevations are referenced to **B.M.#1**

SO-DEEP will attempt to use the BM/HI most applicable to your design. If however, BMs differ by more than 0.015 m, resulting differences could cause design conflicts.

Recorded Size/Type of utility **WAS FOUND**

There **WERE NOT** additional utilities in the test hole

The utility **WAS** in good condition.

Paving Thickness and type **NO PAVING**

Color of ribbon installed **ORANGE**

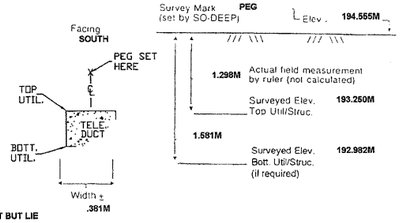
Soil Type **MOIST BROWN**

Field Condition **IN GRASS R/W**

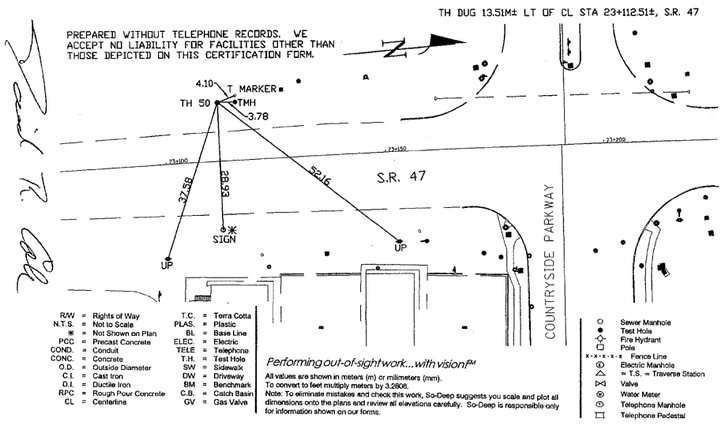
T.H. tied to **PEG**

0.268M H. PRE CAST CONC. TELE. DUCT *
Size/Material/Type
Portion of pipe exposed for O.D. measurement:
N/A

Existing Grade at **GRASS R/W**
Survey Mark (set by SO-DEEP) **PEG** Elev. **194.555M**



Remarks: * NOTE: ADDITIONAL CONDUITS MAY BE PRESENT BUT LIE HIDDEN FROM VIEW.



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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

UTILITY TEST HOLE RECORD

DRAWN BY
DATE CHECKED BY

HMG JOB NO. 5122

FILE: 391-406_Utility Test Hole sheets.dgn
PLOTTED: 8/11/2011

CONTRACT NO. 66671

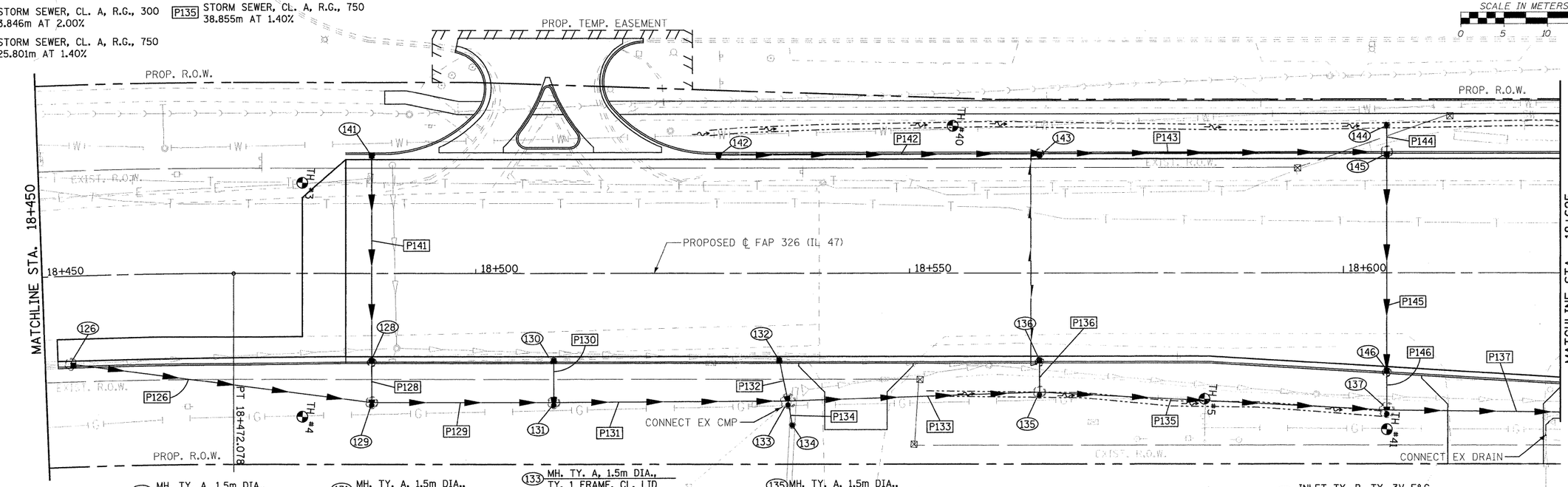
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	407
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SCALE IN METERS
0 5 10 15

P126 STORM SEWER, CL. A, R.G., 750 34.119m AT 1.40%
P128 STORM SEWER, CL. A, R.G., 300 3.664m AT 2.00%
P129 STORM SEWER, CL. A, R.G., 750 19.8m AT 1.40%
P130 STORM SEWER, CL. A, R.G., 300 3.846m AT 2.00%
P131 STORM SEWER, CL. A, R.G., 750 25.801m AT 1.40%
P132 STORM SEWER, CL. A, R.G., 300 3.801m AT 2.00%
P133 STORM SEWER, CL. A, R.G., 750 27.818m AT 1.40%
P134 STORM SEWER, CL. A, R.G., 300 1.858m AT 2.00%
P135 STORM SEWER, CL. A, R.G., 750 38.855m AT 1.40%
P136 STORM SEWER, CL. A, R.G., 300 2.352m AT 2.0%
P137 STORM SEWER, CL. A, R.G., 750 41.803m AT 1.40%
P141 STORM SEWER, CL. A, R.G., 300 23.098m AT 1.00%
P142 STORM SEWER, CL. A, R.G., 300 36.364m AT 2.00%
P143 STORM SEWER, CL. A, R.G., 300 39.016m AT 2.00%
P144 STORM SEWER, CL. A, R.G., 300 2.545m AT 1.00%
P145 STORM SEWER, CL. A, R.G., 450 24.262m AT 1.00%
P146 STORM SEWER, CL. A, R.G., 450 3.316m AT 1.00%

(145) MH. TY. A, 1.2m DIA., TY. 1 FRAME, CL. LID
STA. 18+605, 13.818m LT.
GRATE 217.421
INV. (W) 215.798
INV. 216.286

(146) INLET TY. B, TY. 3V F&G
STA. 18+605, 11.428m RT.
GRATE 217.469
INV. 215.546



(126) MH. TY. A, 1.5m DIA., TY. 3V F&G
STA. 18+453, 9.978m RT.
GRATE 220.507
INV. 218.755

(128) INLET TY. B, TY. 3V F&G
STA. 18+488, 10.067m RT.
GRATE 219.684
INV. 218.492

(129) MH. TY. A, 1.5m DIA., TY. 1 FRAME, CL. LID
STA. 18+488, 14.875m RT.
GRATE 219.926
INV. (S) 218.260
INV. (N) 218.260
INV. (W) 218.395

(130) INLET TY. A, TY. 3V F&G
STA. 18+508.998, 10.067m RT.
GRATE 219.194
INV. 218.305

(131) MH. TY. A, 1.5m DIA., TY. 1 FRAME, CL. LID
STA. 18+509, 14.874m RT.
GRATE 219.439
INV. (S) 217.966
INV. (N) 217.509
INV. (W) 218.209

(132) INLET TY. A, TY. 3V F&G
STA. 18+535, 10.067m RT.
GRATE 218.646
INV. 217.757

(133) MH. TY. A, 1.5m DIA., TY. 1 FRAME, CL. LID
STA. 18+536, 14.725m RT.
GRATE 218.872
INV. (S) 217.131
INV. (N) 216.521
INV. (W) 217.662
INV. (SE) 217.402

(134) INLET TY. A, TY. 8 GRATE
STA. 18+536.5, 17.5m RT.
GRATE 218.347
INV. 217.458

(135) MH. TY. A, 1.5m DIA., TY. 8 GRATE
STA. 18+565, 13.713m RT.
GRATE 217.549
INV. (S) 216.115
INV. (N) 215.506
INV. (W) 216.602

(136) INLET TY. B, TY. 3V F&G
STA. 18+565, 10.217m RT.
GRATE 218.094
INV. 216.672

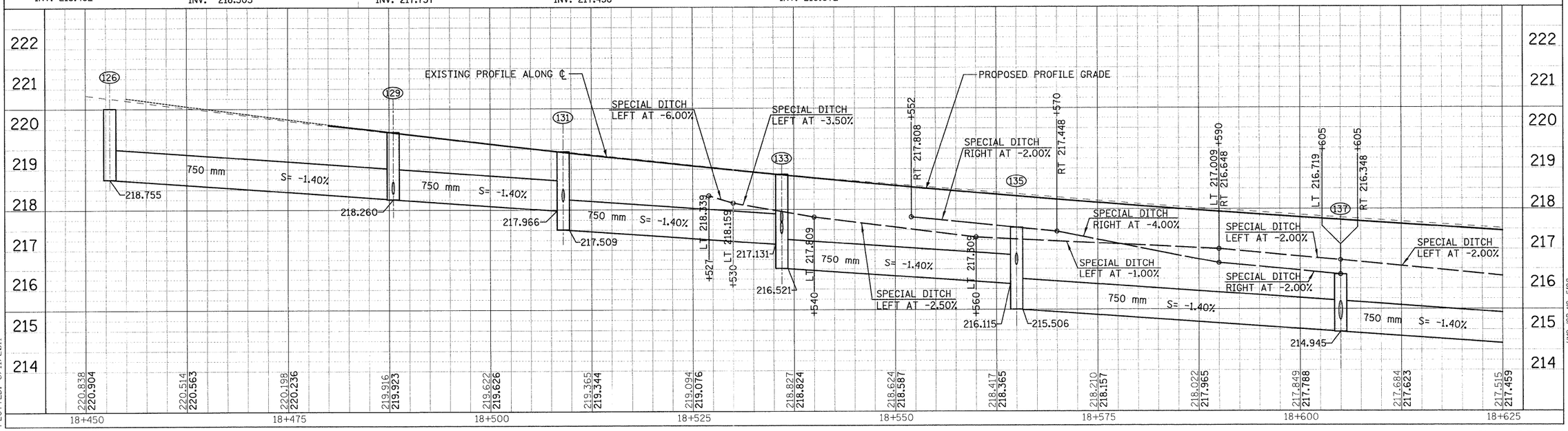
(137) MH. TY. A, 1.5m DIA., TY. 8 GRATE
STA. 18+605, 15.8m RT.
GRATE 216.348
INV. (S,N) 214.945
INV. (W) 215.197

(141) INLET TY. A, TY. 3V F&G
STA. 18+488, 13.668m LT.
GRATE 219.618
INV. 218.729

(142) INLET TY. A, TY. 3V F&G
STA. 18+528, 13.668m LT.
GRATE 218.715
INV. (N) 217.826

(143) INLET TY. B, TY. 3V F&G
STA. 18+565, 13.817m LT.
GRATE 218.022
INV. 217.086

(144) INLET TY. A, TY. 8 GRATE
STA. 18+605, 17m LT.
GRATE 216.719
INV. 215.830



FILE: 407stm47_04.dgn
PLOTTED: 8/11/2011

HMG JOB NO. 5122

HMG ENGINEERS, INC., 1075 LAKE RD., P.O. BOX 70, CARLYLE, ILLINOIS 62231 (618)-594-3711 WWW.HMGENGINEERS.COM

STORM SEWER - FAP 326 (IL. RTE 47)

CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	408
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

P14 STORM SEWER, CL.A, R.G., 300
19.124m AT 1.0%

P15 STORM SEWER, CL.A, R.G., 300
16.341m AT 1.0%

P16 STORM SEWER, CL.A, R.G., 300
29.272m AT 1.0%

P17 STORM SEWER, CL.A, R.G., 300
26.816m AT 1.0%

P18 STORM SEWER, CL.A, R.G., 300
1.303m AT 2.0%

P20 STORM SEWER, CL.A, R.G., 600
30.640m AT 0.30%

P147 STORM SEWER, CL.A, R.G., 300
1.636m AT 2.00%

P148 STORM SEWER, CL.A, R.G., 900
28.514m AT 0.90%

P149 STORM SEWER, CL.A, R.G., 600
1.466m AT 0.50%

P150 STORM SEWER, CL.A, R.G., 900
16.414m AT 0.70%

P151 STORM SEWER, CL.A, R.G., 900
55.065m AT 0.70%

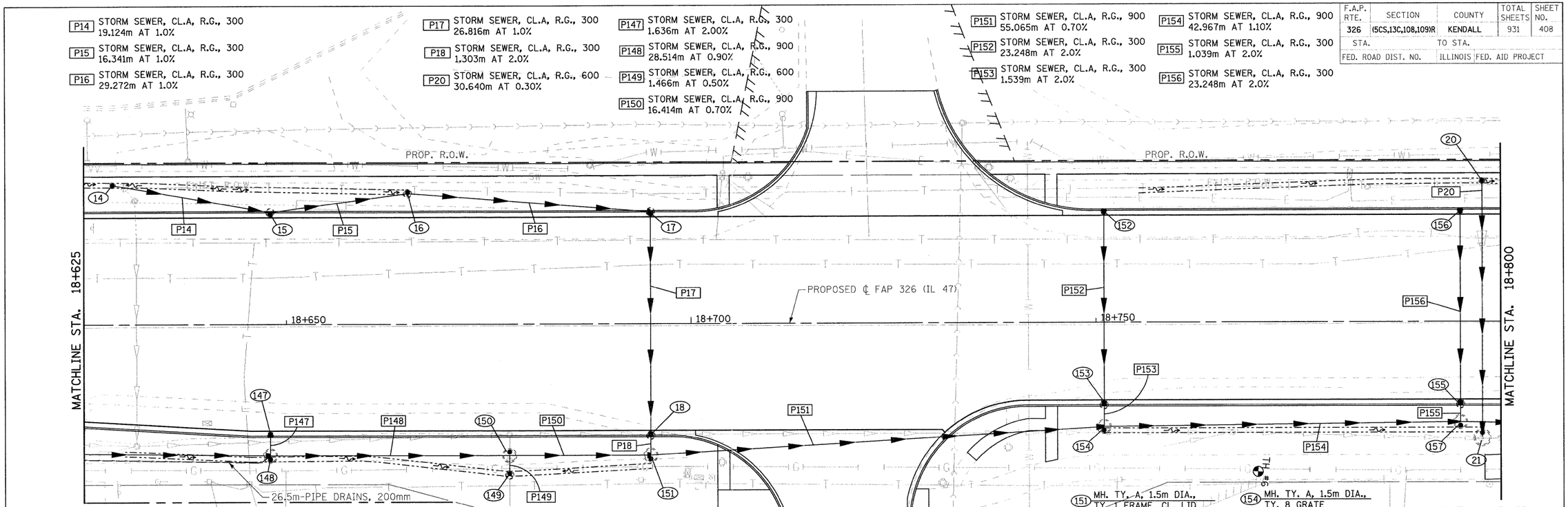
P152 STORM SEWER, CL.A, R.G., 300
23.248m AT 2.0%

P153 STORM SEWER, CL.A, R.G., 300
1.539m AT 2.0%

P154 STORM SEWER, CL.A, R.G., 900
42.967m AT 1.10%

P155 STORM SEWER, CL.A, R.G., 300
1.039m AT 2.0%

P156 STORM SEWER, CL.A, R.G., 300
23.248m AT 2.0%



(14) INLET TY. A, TY. 8 GRATE
STA. 18+628.538, 17.24m LT.
GRATE 216.238
INV. 215.349

(15) INLET TY. B, TY. 3V F&G
STA. 18+648, 13.818m LT.
GRATE 216.858
INV. 215.151

(16) INLET TY. B, TY. 8 GRATE
STA. 18+665, 16.156m LT.
GRATE 216.201
INV. 214.980

(17) INLET TY. B, TY. 3V F&G
STA. 18+695, 13.818m LT.
GRATE 216.242
INV. 214.679

(18) INLET TY. B, TY. 3V F&G
STA. 18+695, 13.817m LT.
GRATE 216.242
INV. 214.403

(20) INLET TY. B, TY. 8 GRATE
STA. 18+797.7, 17.365m LT.
GRATE 214.195
INV. 213.204

(21) MH. TY. A, 1.8m DIA.,
TY. 8 GRATE
STA. 18+797, 14.359m RT.
GRATE 214.750
INV. (W) 213.046

(147) INLET TY. A, TY. 3V F&G
STA. 18+648, 13.667m RT.
GRATE 216.858
INV. 215.436

(148) MH. TY. A, 1.5m DIA.,
TY. 8 GRATE
STA. 18+648, 16.265m RT.
GRATE 216.383
INV. (S) 214.343
INV. (N) 214.190
INV. (W) 215.384

(149) INLET TY. B, TY. 8 GRATE
STA. 18+677.549, 18.664m RT.
GRATE 215.386
INV. 213.683

(150) MH. TY. A, 1.5m DIA.,
TY. 1 FRAME, CL. LID
STA. 18+677.550, 16.265 RT.
GRATE 216.196
INV. (S) 213.924
INV. (N,E) 213.671

(151) MH. TY. A, 1.5m DIA.,
TY. 1 FRAME, CL. LID
STA. 18+695, 16.265m RT.
GRATE 215.667
INV. (N,S) 213.549
INV. (W) 214.354

(152) INLET TY. A, TY. 3V F&G
STA. 18+751, 13.668m LT.
GRATE 215.515
INV. 214.626

(153) INLET TY. B, TY. 3V F&G
STA. 18+751, 10.217m LT.
GRATE 215.580
INV. 214.148

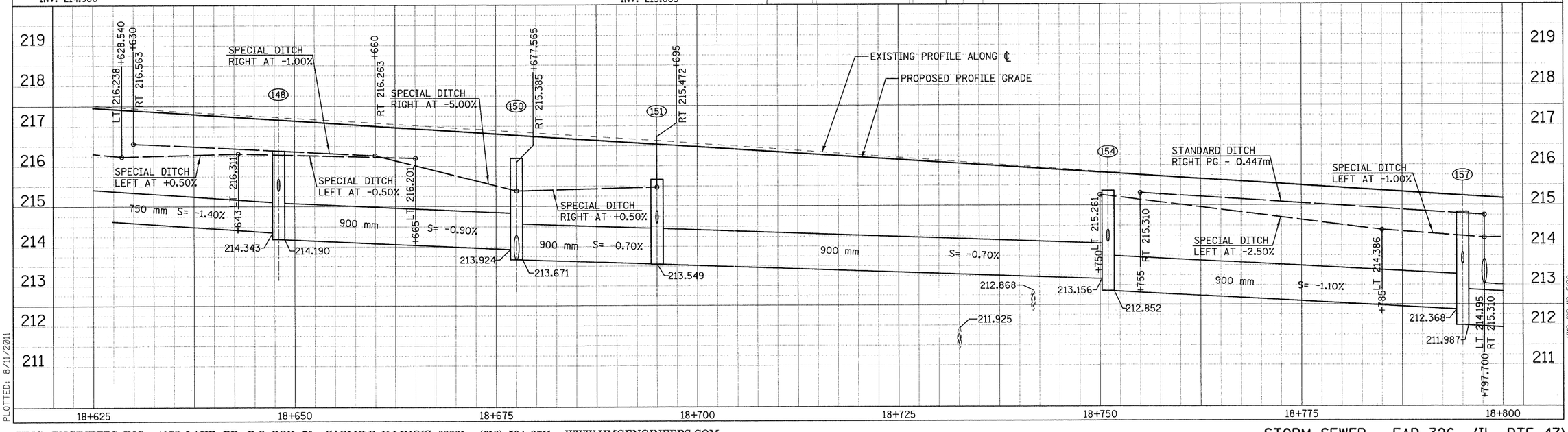
(154) MH. TY. A, 1.5m DIA.,
TY. 8 GRATE
STA. 18+751, 12.9m RT.
GRATE 215.362
INV. (S) 213.156
INV. (N) 212.852
INV. (W) 214.095

(155) INLET TY. B, TY. 3V F&G
STA. 18+795, 10.217m RT.
GRATE 215.004
INV. 213.571

(156) INLET TY. A, TY. 3V F&G
STA. 18+795, 13.668m LT.
GRATE 214.938
INV. 214.049

(157) MH. TY. A, 1.5m DIA.,
TY. 1 FRAME, CL. LID
STA. 18+795, 12.4m RT.
GRATE 214.824
INV. (S) 212.368
INV. (N) 211.987
INV. (W) 213.528

SCALE IN METERS
0 5 10 15



FILE: 408stm47_05.dgn
PLOTTED: 8/11/2011

HMG JOB NO. 5122

CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	409
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

P157 STORM SEWER, CL.A, R.G., 900
65.053m AT 1.10%

P159 STORM SEWER, CL.A, R.G., 300
23.248m AT 2.00%

P160 STORM SEWER, CL.A, R.G., 300
2.139m AT 4.00%

P161 STORM SEWER, CL.A, R.G., 900
52.964m AT 1.10%

P163 STORM SEWER, CL.A, R.G., 300
23.248m AT 2.00%

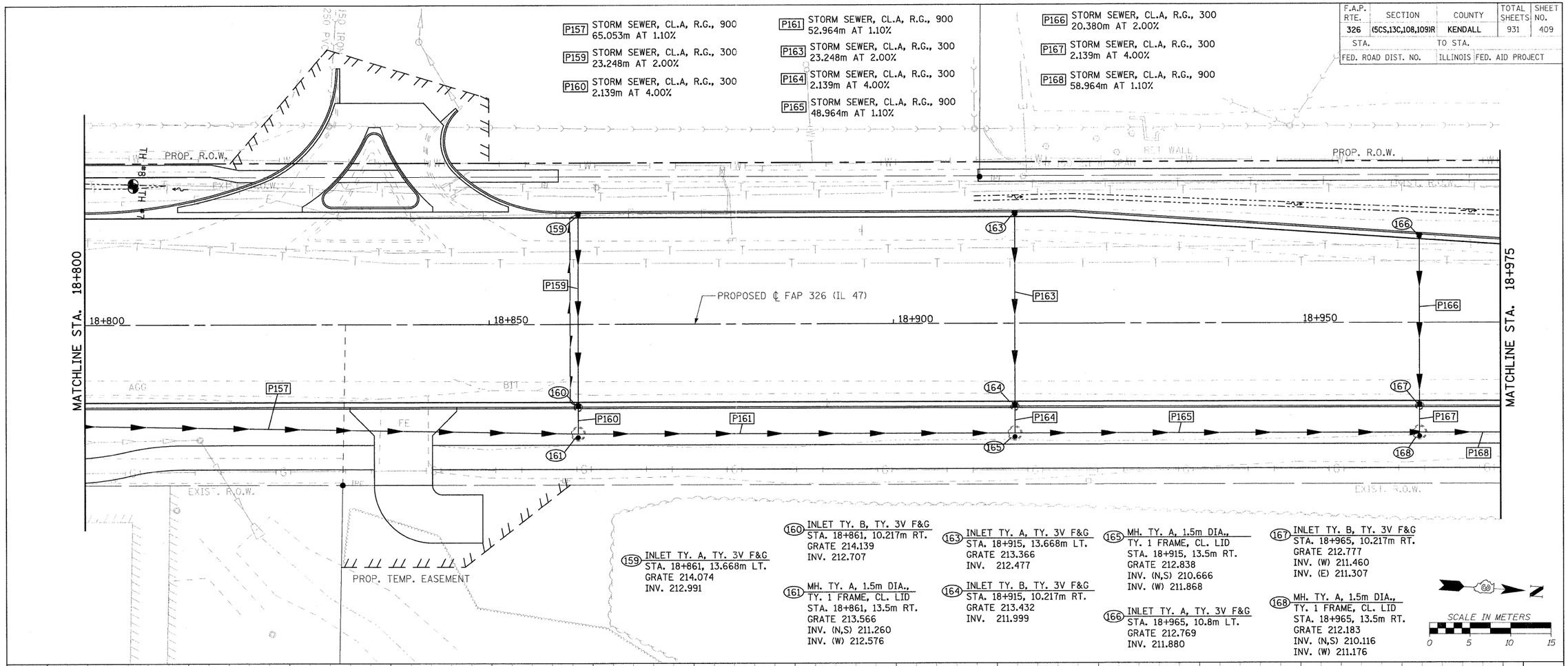
P164 STORM SEWER, CL.A, R.G., 300
2.139m AT 4.00%

P165 STORM SEWER, CL.A, R.G., 900
48.964m AT 1.10%

P166 STORM SEWER, CL.A, R.G., 300
20.380m AT 2.00%

P167 STORM SEWER, CL.A, R.G., 300
2.139m AT 4.00%

P168 STORM SEWER, CL.A, R.G., 900
58.964m AT 1.10%



159 INLET TY. A, TY. 3V F&G
STA. 18+861, 13.668m LT.
GRATE 214.074
INV. 212.991

160 INLET TY. B, TY. 3V F&G
STA. 18+861, 10.217m RT.
GRATE 214.139
INV. 212.707

161 MH. TY. A, 1.5m DIA.,
TY. 1 FRAME, CL. LID
STA. 18+861, 13.5m RT.
GRATE 213.566
INV. (N,S) 211.260
INV. (W) 212.576

163 INLET TY. A, TY. 3V F&G
STA. 18+915, 13.668m LT.
GRATE 213.366
INV. 212.477

164 INLET TY. B, TY. 3V F&G
STA. 18+915, 10.217m RT.
GRATE 213.432
INV. 211.999

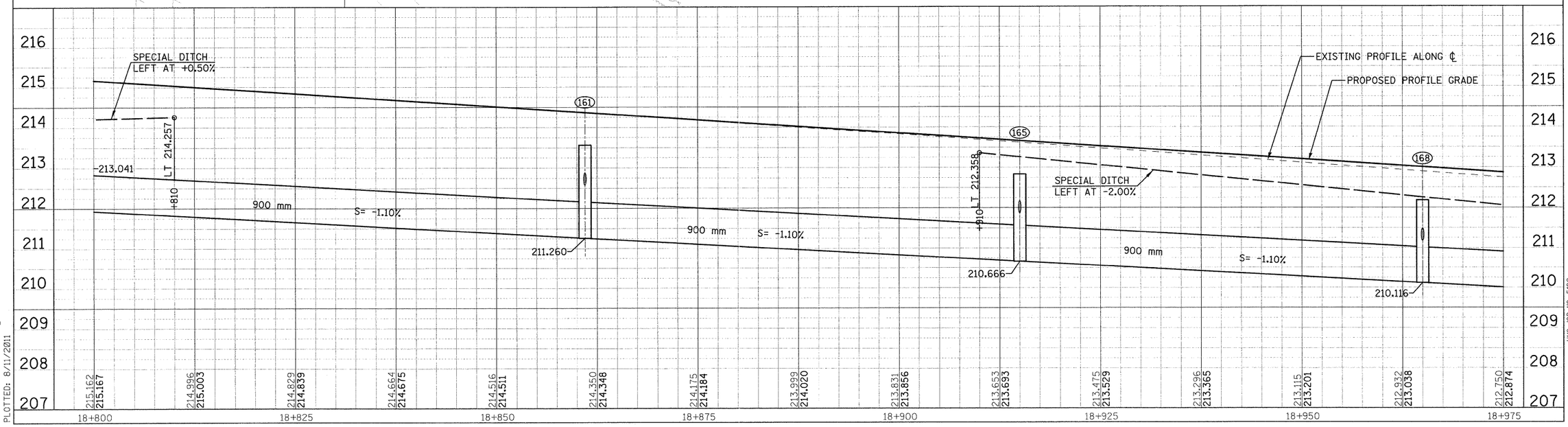
165 MH. TY. A, 1.5m DIA.,
TY. 1 FRAME, CL. LID
STA. 18+915, 13.5m RT.
GRATE 212.838
INV. (N,S) 210.666
INV. (W) 211.868

166 INLET TY. A, TY. 3V F&G
STA. 18+965, 10.8m LT.
GRATE 212.769
INV. 211.880

167 INLET TY. B, TY. 3V F&G
STA. 18+965, 10.217m RT.
GRATE 212.777
INV. (W) 211.460
INV. (E) 211.307

168 MH. TY. A, 1.5m DIA.,
TY. 1 FRAME, CL. LID
STA. 18+965, 13.5m RT.
GRATE 212.183
INV. (N,S) 210.116
INV. (W) 211.176

SCALE IN METERS
0 5 10 15



FILE: 409stm47_06.dgn
PLOTTED: 8/11/2011

HMG JOB NO. 5122

HMG ENGINEERS, INC., 1075 LAKE RD., P.O. BOX 70, CARLYLE, ILLINOIS 62231 (618)-594-3711 WWW.HMGENGINEERS.COM

STORM SEWER - FAP 326 (IL. RTE 47)

CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	410
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

P19 STORM SEWER, CL.A, R.G., 300 10.883m AT 2.00%

P23 STORM SEWER, CL.A, R.G., 300 5.698m AT 1.00%

P24 STORM SEWER, CL.A, R.G., 300 4.918m AT 1.00%

P168 STORM SEWER, CL.A, R.G., 900 58.964m AT 1.10%

P169 STORM SEWER, CL.A, R.G., 300 2.139m AT 4.00%

P170 STORM SEWER, CL.A, R.G., 900 59.073m AT 0.90%

P171 STORM SEWER, CL.A, R.G., 300 3.598m AT 2.00%

P172 STORM SEWER, CL.A, R.G., 450 40.930m AT 1.50%

P173 STORM SEWER, CL.A, R.G., 450 30.930m AT 1.50%

P174 STORM SEWER, CL.A, R.G., 450 1.396m AT 2.00%

P175 STORM SEWER, CL.A, R.G., 300 1.631m AT 2.00%

P176 STORM SEWER, CL.A, R.G., 450 19.731m AT 2.00%

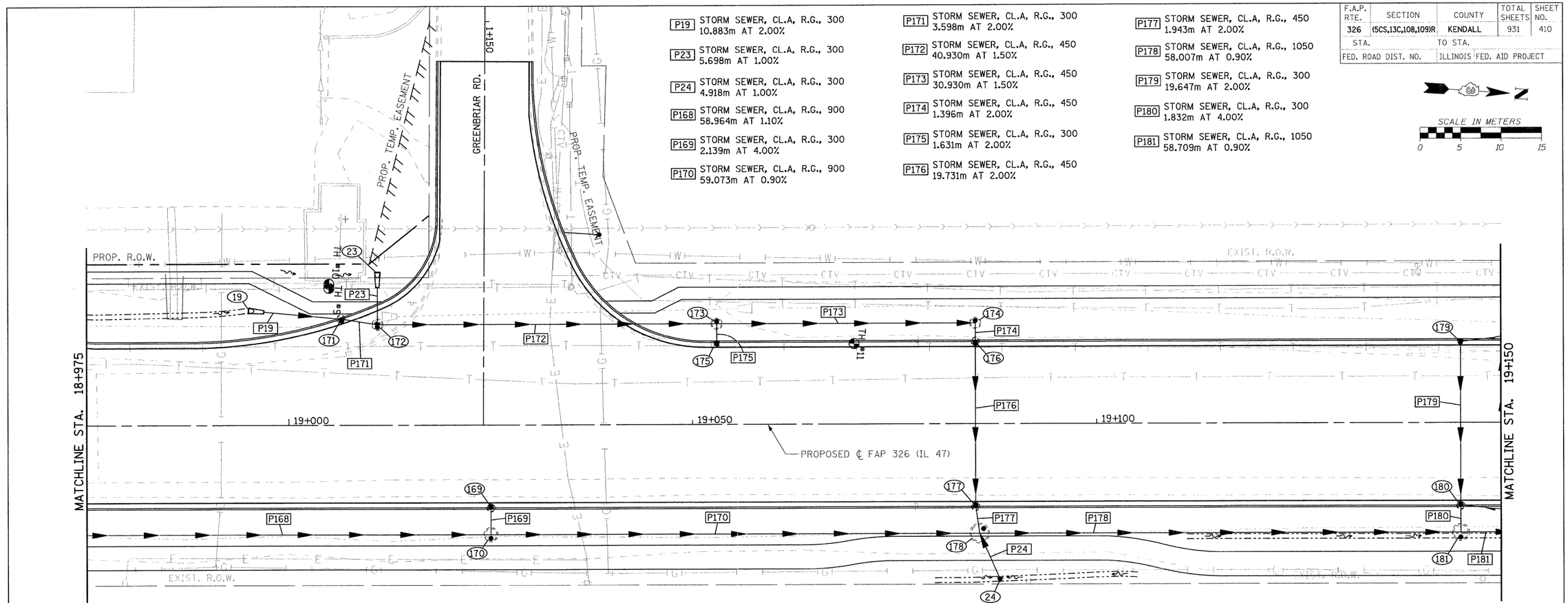
P177 STORM SEWER, CL.A, R.G., 450 1.943m AT 2.00%

P178 STORM SEWER, CL.A, R.G., 1050 58.007m AT 0.90%

P179 STORM SEWER, CL.A, R.G., 300 19.647m AT 2.00%

P180 STORM SEWER, CL.A, R.G., 300 1.832m AT 4.00%

P181 STORM SEWER, CL.A, R.G., 1050 58.709m AT 0.90%



(19) FLARED END SECTION
STA. 18+995, 14.250m LT.
INV. 211.302

(23) FLARED END SECTION
STA. 19+011, 19m LT.
INV. 210.994

(169) INLET TY. B, TY. 3V F&G
STA. 19+025, 10.217m RT.
GRATE 211.991
INV. 210.569

(170) MH. TY. A, 1.5m DIA.,
TY. 1 FRAME, CL. LID
STA. 19+025, 13.5m RT.
GRATE 211.397
INV. (N,S) 209.456
INV. (W) 210.437

(171) INLET TY. B, TY. 3V F&G
STA. 19+006.472, 13.204m LT.
GRATE 212.168
INV. 211.072

(172) MH. TY. A, 1.2m DIA.
TY. 5 FRAME, CL. LID
STA. 19+011, 12.5m LT.
GRATE 212.190
INV. (S) 210.980
INV. (N) 210.828
INV. (W) 210.929

(173) MH. TY. A, 1.2m DIA.
TY. 1 FRAME, CL. LID
STA. 19+053, 12.5m LT.
GRATE 211.725
INV. 210.198

(174) MH. TY. A, 1.2m DIA.
TY. 1 FRAME, CL. LID
STA. 19+085, 12.5m LT.
GRATE 211.079
INV. 209.718

(175) INLET TY. A, TY. 3V F&G
STA. 19+053, 10.067m LT.
GRATE 211.624
INV. 210.735

(176) INLET TY. B, TY. 3V F&G
STA. 19+085, 10.217m LT.
GRATE 211.205
INV. 209.672

(177) INLET TY. B, TY. 3V F&G
STA. 19+085, 10.217m RT.
GRATE 211.205
INV. 209.264

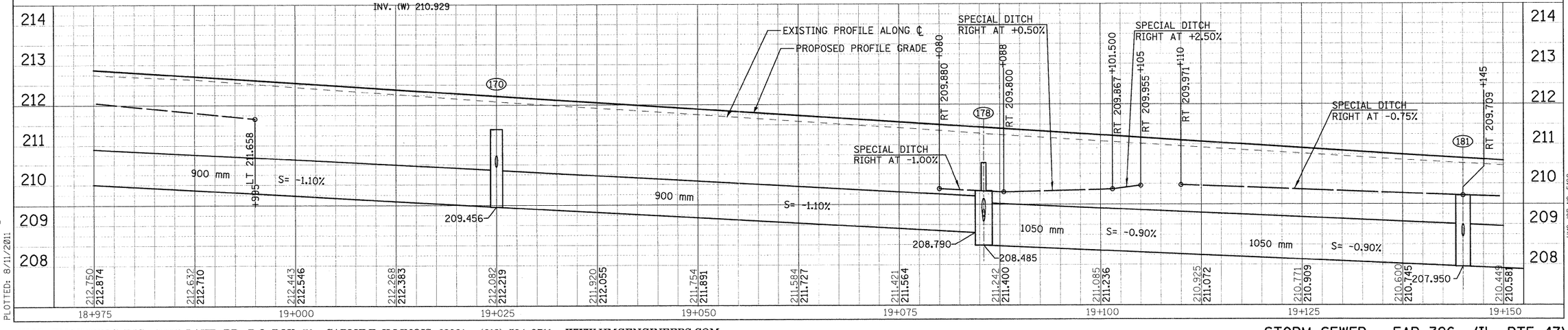
(178) MH. TY. A, 2.1m DIA.,
TY. 1 FRAME, CL. LID
STA. 19+085.5, 13.5m RT.
GRATE 210.527
INV. (S) 208.790
INV. (N) 208.485
INV. (E) 209.078
INV (W) 209.197

(24) INLET TY. A, TY. 8 GRATE
STA. 19+088, 19.165m LT.
GRATE 209.800
INV. 209.140

(179) INLET TY. A, TY. 3V F&G
STA. 19+145, 10.067m LT.
GRATE 210.425
INV. 209.460

(180) INLET TY. B, TY. 3V F&G
STA. 19+145, 10.217m RT.
GRATE 210.419
INV. (W) 209.054
INV. (E) 208.826

(181) MH. TY. A, 1.8m DIA.,
TY. 8 GRATE
STA. 19+145, 13.35m RT.
GRATE 209.709
INV. (S) 207.831
INV. (N) 207.526
INV. (W) 208.700



FILE: 410stm47_07.dgn
PLOTTED: 8/11/2011

HMG JOB NO. 5222

HMG ENGINEERS, INC., 1075 LAKE RD., P.O. BOX 70, CARLYLE, ILLINOIS 62231 (618)-594-3711 WWW.HMGENGINEERS.COM

STORM SEWER - FAP 326 (IL. RTE 47)

CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	411
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

P181 STORM SEWER, CL.A, R.G., 1050
58.709m AT 0.90%

P182 STORM SEWER, CL.A, R.G., 300
19.647m AT 2.0%

P183 STORM SEWER, CL.A, R.G., 300
1.832m AT 2.0%

P184 STORM SEWER, CL.A, R.G., 1050
58.709m AT 0.90%

P185 STORM SEWER, CL.A, R.G., 300
19.647m AT 2.0%

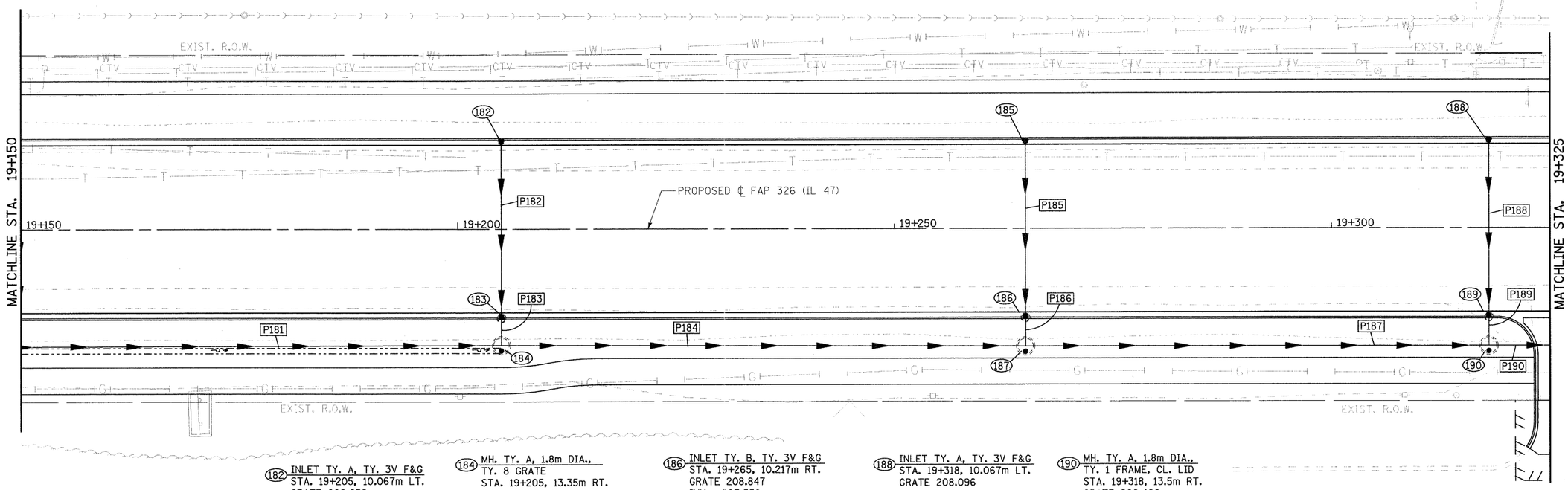
P186 STORM SEWER, CL.A, R.G., 300
1.982m AT 2.0%

P187 STORM SEWER, CL.A, R.G., 1050
51.709m AT 0.90%

P188 STORM SEWER, CL.A, R.G., 300
19.647m AT 2.0%

P189 STORM SEWER, CL.A, R.G., 300
1.982m AT 2.0%

P190 STORM SEWER, CL.A, R.G., 1050
25.709m AT 0.90%



SCALE IN METERS
0 5 10 15

(182) INLET TY. A, TY. 3V F&G
STA. 19+205, 10.067m LT.
GRATE 209.639
INV. 208.750

(183) INLET TY. B, TY. 3V F&G
STA. 19+205, 10.217m RT.
GRATE 209.633
INV. 208.344

(184) MH. TY. A, 1.8m DIA.,
TY. 8 GRATE
STA. 19+205, 13.35m RT.
GRATE 209.349
INV. (N,S) 207.410
INV. (W) 208.282

(185) INLET TY. A, TY. 3V F&G
STA. 19+265, 10.067m LT.
GRATE 208.853
INV. 207.964

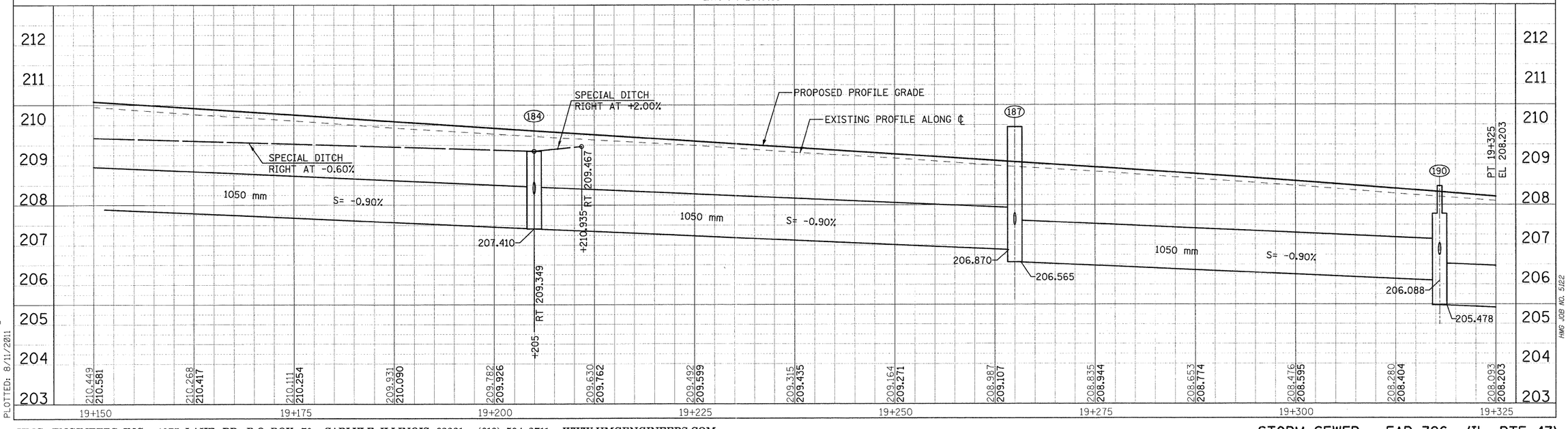
(186) INLET TY. B, TY. 3V F&G
STA. 19+265, 10.217m RT.
GRATE 208.847
INV. 207.558

(187) MH. TY. A, 1.8m DIA.,
TY. 1 FRAME, CL. LID
STA. 19+265, 13.5m RT.
GRATE 209.949
INV. (S) 206.870
INV. (N) 206.565
INV. (W) 207.493

(188) INLET TY. A, TY. 3V F&G
STA. 19+318, 10.067m LT.
GRATE 208.096
INV. 207.207

(189) INLET TY. B, TY. 3V F&G
STA. 19+318, 10.217m RT.
GRATE 208.089
INV. 206.801

(190) MH. TY. A, 1.8m DIA.,
TY. 1 FRAME, CL. LID
STA. 19+318, 13.5m RT.
GRATE 208.466
INV. (S) 206.088
INV. (N) 205.478
INV. (W) 206.736



FILE: 411stm47_06.dgn
PLOTTED: 8/11/2011

HMG JOB NO. 5122

CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	412
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

P191 STORM SEWER, CL.A, R.G., 1050 38.709m AT 0.90%

P192 STORM SEWER, CL.A, R.G., 1050 55.709m AT 0.90%

P193 STORM SEWER, CL.A, R.G., 300 1.982m AT 2.0%

P194 STORM SEWER, CL.A, R.G., 300 19.600m AT 1.0%

P195 STORM SEWER, CL.A, R.G., 300 29.462m AT 1.0%

P196 STORM SEWER, CL.A, R.G., 300 3.488m AT 0.75%

P197 STORM SEWER, CL.A, R.G., 300 1.982m AT 4.0%

P198 STORM SEWER, CL.A, R.G., 1050 31.709m AT 0.90%

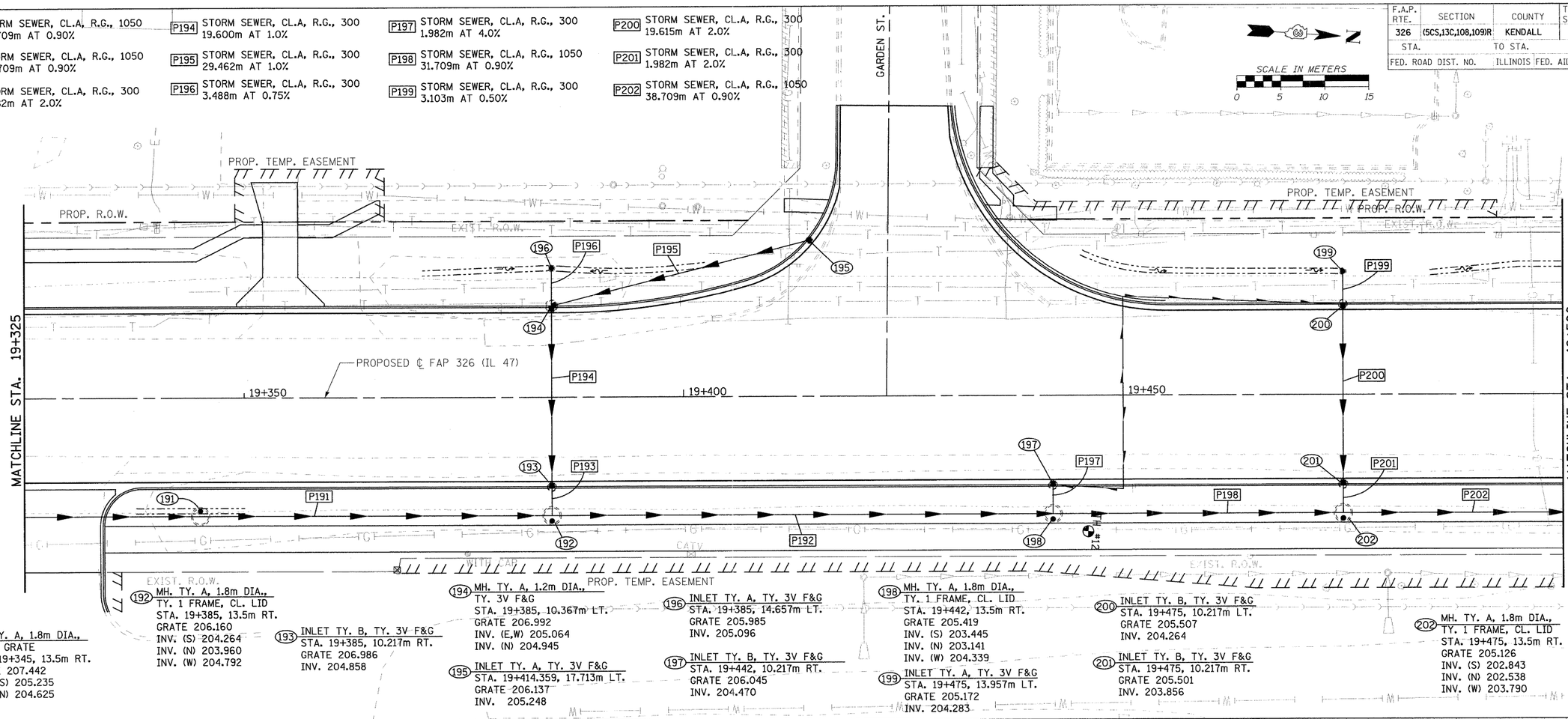
P199 STORM SEWER, CL.A, R.G., 300 3.103m AT 0.50%

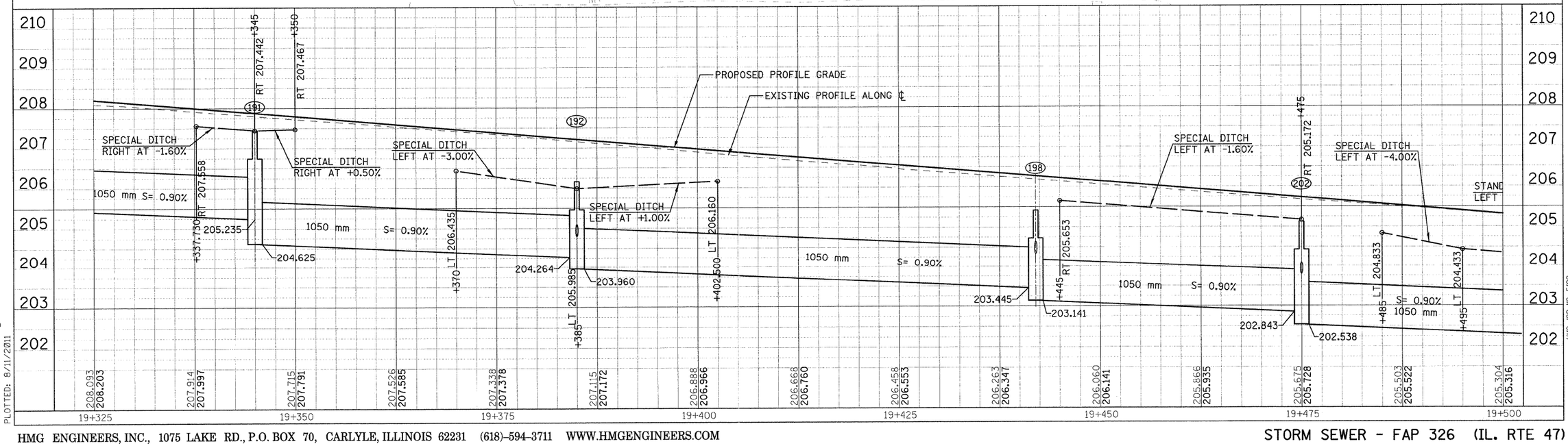
P200 STORM SEWER, CL.A, R.G., 300 19.615m AT 2.0%

P201 STORM SEWER, CL.A, R.G., 300 1.982m AT 2.0%

P202 STORM SEWER, CL.A, R.G., 1050 38.709m AT 0.90%

SCALE IN METERS 0 5 10 15





FILE: 412stm47_09.dgn
PLOTTED: 8/11/2011

HMG JOB NO. 5122

HMG ENGINEERS, INC., 1075 LAKE RD., P.O. BOX 70, CARLYLE, ILLINOIS 62231 (618)-594-3711 WWW.HMGENGINEERS.COM

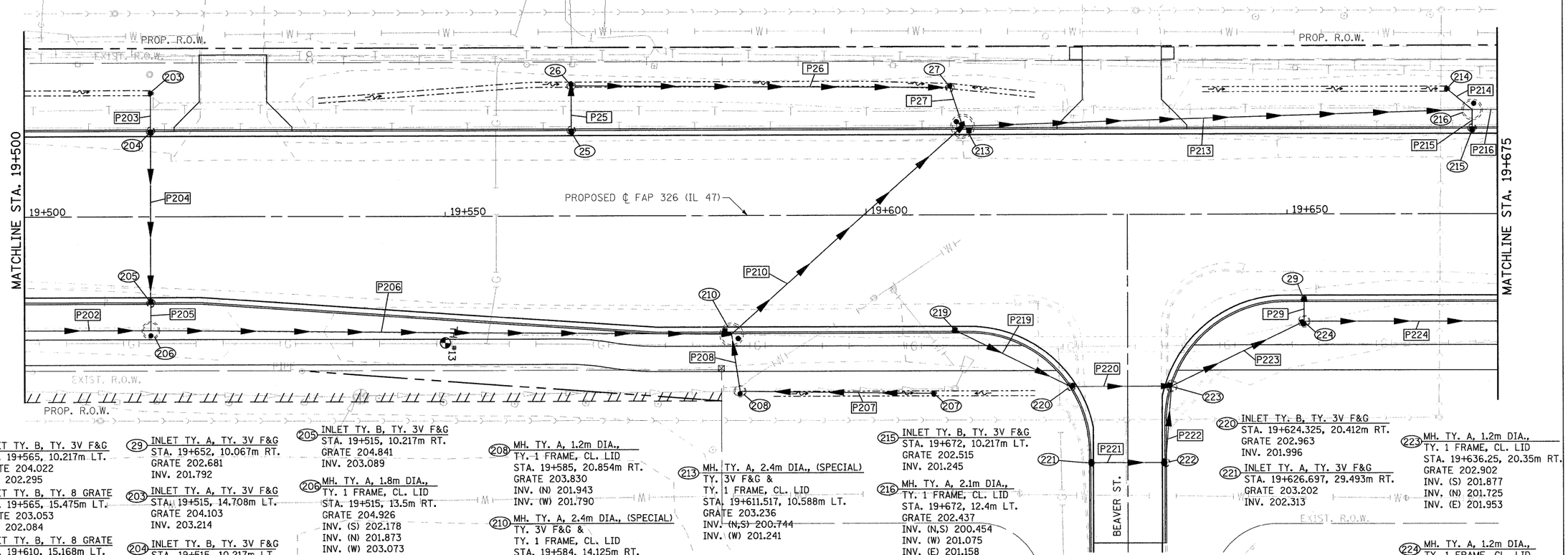
STORM SEWER - FAP 326 (IL. RTE 47)

CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	413
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SCALE IN METERS
0 5 10 15

P25 STORM SEWER, CL.A, R.G., 300 4.439m AT 4.0%
P26 STORM SEWER, CL.A, R.G., 300 44.182m AT 1.5%
P27 STORM SEWER, CL.A, R.G., 450 1.771m AT 0.50%
P29 STORM SEWER, CL.A, R.G., 300 1.831m AT 2.0%
P203 STORM SEWER, CL.A, R.G., 300 3.854m AT 0.50%
P204 STORM SEWER, CL.A, R.G., 300 19.615m AT 0.50%
P205 STORM SEWER, CL.A, R.G., 300 1.982m AT 0.50%
P206 STORM SEWER, CL.A, R.G., 1050 67.324m AT 0.90%
P207 STORM SEWER, CL.A, R.G., 300 22.200m AT 2.0%
P208 STORM SEWER, CL.A, R.G., 450 5.084m AT 1.5%
P210 STORM SEWER, CL.A, R.G., 1200 35.042m AT 0.55%
P213 STORM SEWER, CL.A, R.G., 1200 58.767m AT 0.48%
P214 STORM SEWER, CL.A, R.G., 300 2.615m AT 1.0%
P215 STORM SEWER, CL.A, R.G., 300 0.726m AT 4.0%
P216 STORM SEWER, CL.A, R.G., 1200 31.957m AT 0.48%
P219 STORM SEWER, CL.A, R.G., 300 14.701m AT 2.0%
P220 STORM SEWER, CL.B, R.G., 300 10.941m AT 1.0%
P221 STORM SEWER, CL.B, R.G., 300 8.184m AT 2.0%
P222 STORM SEWER, CL.A, R.G., 300 8.171m AT 2.0%
P223 STORM SEWER, CL.A, R.G., 450 16.439m AT 0.60%
P224 STORM SEWER, CL.A, R.G., 450 31.930m AT 0.60%



(25) INLET TY. B, TY. 3V F&G
STA. 19+565, 10.217m LT.
GRATE 204.022
INV. 202.295

(26) INLET TY. B, TY. 8 GRATE
STA. 19+565, 15.475m LT.
GRATE 203.053
INV. 202.084

(27) INLET TY. B, TY. 8 GRATE
STA. 19+610, 15.168m LT.
GRATE 202.385
INV. (S) 201.409
INV. (N) 201.257

(29) INLET TY. A, TY. 3V F&G
STA. 19+652, 10.067m RT.
GRATE 202.681
INV. 201.792

(203) INLET TY. A, TY. 3V F&G
STA. 19+515, 14.708m LT.
GRATE 204.103
INV. 203.214

(204) INLET TY. B, TY. 3V F&G
STA. 19+515, 10.217m LT.
GRATE 204.847
INV. 203.192

(205) INLET TY. B, TY. 3V F&G
STA. 19+515, 10.217m RT.
GRATE 204.841
INV. 203.089

(206) MH. TY. A, 1.8m DIA.,
TY. 1 FRAME, CL. LID
STA. 19+515, 13.5m RT.
GRATE 204.926
INV. (S) 202.178
INV. (N) 201.873
INV. (W) 203.073

(207) INLET TY. A, TY. 8 GRATE
STA. 19+608, 21.175m RT.
GRATE 203.063
INV. 202.403

(208) MH. TY. A, 1.2m DIA.,
TY. 1 FRAME, CL. LID
STA. 19+585, 20.854m RT.
GRATE 203.830
INV. (N) 201.943
INV. (W) 201.790

(210) MH. TY. A, 2.4m DIA., (SPECIAL)
TY. 3V F&G &
TY. 1 FRAME, CL. LID
STA. 19+584, 14.125m RT.
GRATE 203.643
INV. (S) 201.252
INV. (N) 200.948
INV. (E) 201.688

(213) MH. TY. A, 2.4m DIA., (SPECIAL)
TY. 3V F&G &
TY. 1 FRAME, CL. LID
STA. 19+611.517, 10.588m LT.
GRATE 203.236
INV. (N,S) 200.744
INV. (W) 201.241

(214) INLET TY. A, TY. 8 GRATE
STA. 19+669, 14.875m LT.
GRATE 201.774
INV. 201.114

(215) INLET TY. B, TY. 3V F&G
STA. 19+672, 10.217m LT.
GRATE 202.515
INV. 201.245

(216) MH. TY. A, 2.1m DIA.,
TY. 1 FRAME, CL. LID
STA. 19+672, 12.4m LT.
GRATE 202.437
INV. (N,S) 200.454
INV. (W) 201.075
INV. (E) 201.158

(219) INLET TY. A, TY. 3V F&G
STA. 19+610.55, 13.667m RT.
GRATE 203.192
INV. 202.303

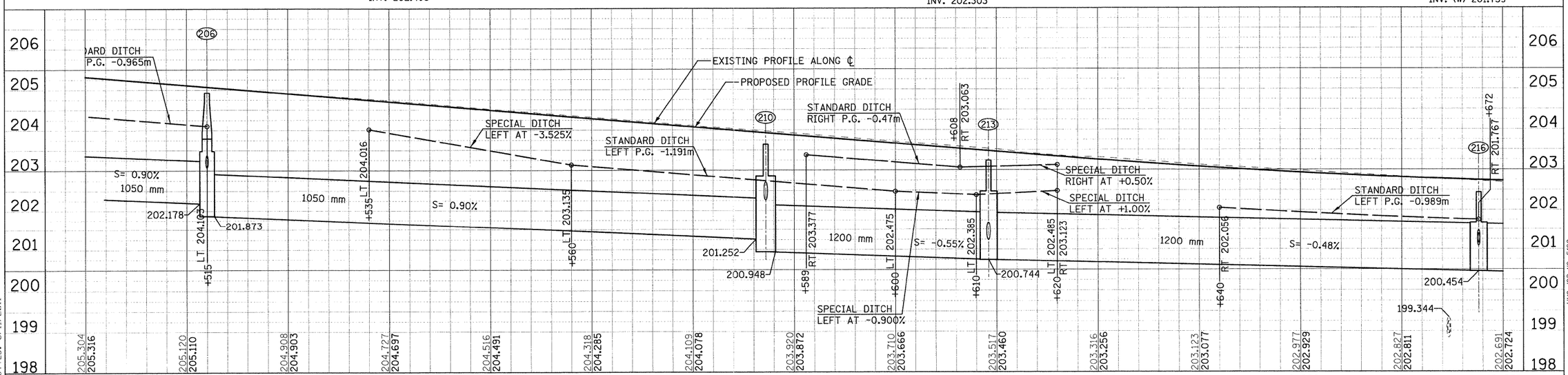
(220) INLET TY. B, TY. 3V F&G
STA. 19+624.325, 20.412m RT.
GRATE 202.963
INV. 201.996

(221) INLET TY. A, TY. 3V F&G
STA. 19+626.697, 29.493m RT.
GRATE 203.202
INV. 202.313

(222) INLET TY. B, TY. 3V F&G
STA. 19+635.518, 29.475m RT.
GRATE 203.202
INV. 202.137

(223) MH. TY. A, 1.2m DIA.,
TY. 1 FRAME, CL. LID
STA. 19+636.25, 20.35m RT.
GRATE 202.902
INV. (S) 201.877
INV. (N) 201.725
INV. (E) 201.953

(224) MH. TY. A, 1.2m DIA.,
TY. 1 FRAME, CL. LID
STA. 19+652, 12.7m RT.
GRATE 202.925
INV. (S,N) 201.620
INV. (W) 201.739



FILE: 413stm47_10.dgn
PLOTTED: 8/11/2011

HMG JOB NO. 5122

HMG ENGINEERS, INC., 1075 LAKE RD., P.O. BOX 70, CARLYLE, ILLINOIS 62231 (618)-594-3711 WWW.HMGENGINEERS.COM

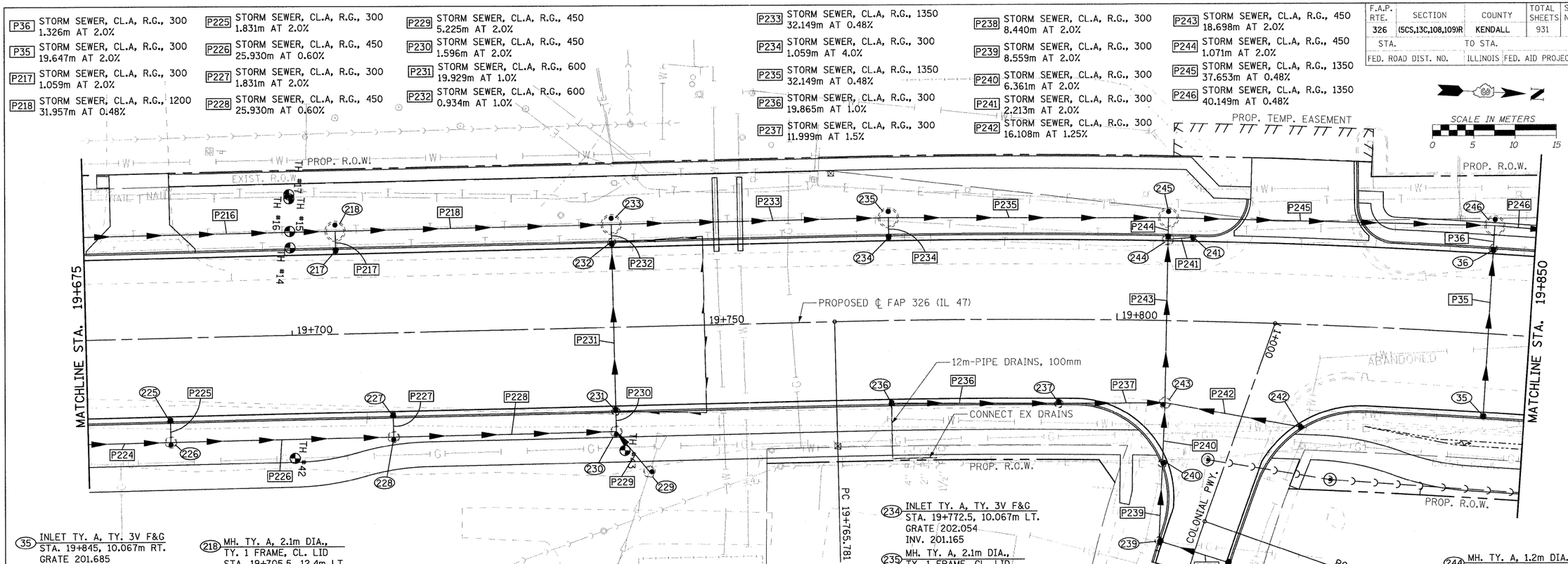
STORM SEWER - FAP 326 (IL. RTE 47)

CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	414
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SCALE IN METERS
0 5 10 15

P36 STORM SEWER, CL.A, R.G., 300 1.326m AT 2.0%
P35 STORM SEWER, CL.A, R.G., 300 19.647m AT 2.0%
P217 STORM SEWER, CL.A, R.G., 300 1.059m AT 2.0%
P218 STORM SEWER, CL.A, R.G., 1200 31.957m AT 0.48%
P225 STORM SEWER, CL.A, R.G., 300 1.831m AT 2.0%
P226 STORM SEWER, CL.A, R.G., 450 25.930m AT 0.60%
P227 STORM SEWER, CL.A, R.G., 300 1.831m AT 2.0%
P228 STORM SEWER, CL.A, R.G., 450 25.930m AT 0.60%
P229 STORM SEWER, CL.A, R.G., 450 5.225m AT 2.0%
P230 STORM SEWER, CL.A, R.G., 450 1.596m AT 2.0%
P231 STORM SEWER, CL.A, R.G., 600 19.929m AT 1.0%
P232 STORM SEWER, CL.A, R.G., 600 0.934m AT 1.0%
P233 STORM SEWER, CL.A, R.G., 1350 32.149m AT 0.48%
P234 STORM SEWER, CL.A, R.G., 300 1.059m AT 4.0%
P235 STORM SEWER, CL.A, R.G., 1350 32.149m AT 0.48%
P236 STORM SEWER, CL.A, R.G., 300 19.865m AT 1.0%
P237 STORM SEWER, CL.A, R.G., 300 11.999m AT 1.5%
P238 STORM SEWER, CL.A, R.G., 300 8.440m AT 2.0%
P239 STORM SEWER, CL.A, R.G., 300 8.559m AT 2.0%
P240 STORM SEWER, CL.A, R.G., 300 6.361m AT 2.0%
P241 STORM SEWER, CL.A, R.G., 300 2.213m AT 2.0%
P242 STORM SEWER, CL.A, R.G., 300 16.108m AT 1.25%
P243 STORM SEWER, CL.A, R.G., 450 18.698m AT 2.0%
P244 STORM SEWER, CL.A, R.G., 450 1.071m AT 2.0%
P245 STORM SEWER, CL.A, R.G., 1350 37.653m AT 0.48%
P246 STORM SEWER, CL.A, R.G., 1350 40.149m AT 0.48%



35 INLET TY. A, TY. 3V F&G
STA. 19+845, 10.067m RT.
GRATE 201.685
INV. 200.796

36 INLET TY. B, TY. 3V F&G
STA. 19+845, 10.217m LT.
GRATE 201.721
INV. 200.390

217 INLET TY. A, TY. 3V F&G
STA. 19+705.5, 10.067m LT.
GRATE 202.349
INV. 201.262

218 MH. TY. A, 2.1m DIA.,
TY. 1 FRAME, CL. LID
STA. 19+705.5, 12.4m LT.
GRATE 202.444
INV. (N,S) 200.293
INV. (E) 201.215

225 INLET TY. A, TY. 3V F&G
STA. 19+685, 10.067m RT.
GRATE 202.446
INV. 201.557

226 MH. TY. A, 1.2m DIA.,
TY. 1 FRAME, CL. LID
STA. 19+685, 12.7m RT.
GRATE 202.742
INV. (N,S) 201.422
INV. (W) 201.504

227 INLET TY. A, TY. 3V F&G
STA. 19+712, 10.067m RT.
GRATE 202.318
INV. 201.429

228 MH. TY. A, 1.2m DIA.,
TY. 1 FRAME, CL. LID
STA. 19+712, 12.7m RT.
GRATE 202.487
INV. (N,S) 201.260
INV. (W) 201.376

229 MH. TY. A, 1.2m DIA.,
TY. 1 FRAME, CL. LID
STA. 19+742.895, 17.646m RT.
GRATE 202.711
INV. (W) 201.607
INV. (E) 201.597

230 MH. TY. A, 1.2m DIA.,
TY. 1 FRAME, CL. LID
STA. 19+739, 12.7m RT.
GRATE 202.471
INV. (S,W) 201.198
INV. (E) 201.405

231 INLET TY. B, TY. 3V F&G
STA. 19+739, 10.217m RT.
GRATE 202.189
INV. (E) 201.048
INV. (W) 200.895

232 INLET TY. B TY. 3V F&G
STA. 19+739, 10.217m LT.
GRATE 202.189
INV. 200.691

233 MH. TY. A, 2.1m DIA.,
TY. 1 FRAME, CL. LID
STA. 19+739, 12.4m LT.
GRATE 202.284
INV. (N,S) 200.132
INV. (E) 200.669

234 INLET TY. A, TY. 3V F&G
STA. 19+772.5, 10.067m LT.
GRATE 202.054
INV. 201.165

235 MH. TY. A, 2.1m DIA.,
TY. 1 FRAME, CL. LID
STA. 19+772.5, 12.4m LT.
GRATE 202.149
INV. (S) 199.971
INV. (N) 199.666
INV. (E) 201.072

236 INLET TY. A, TY. 3V F&G
STA. 19+772.518, 10.067m RT.
GRATE 202.030
INV. 201.141

237 INLET TY. B, TY. 3V F&G
STA. 19+793.019, 10.217m RT.
GRATE 201.932
INV. 200.936

238 INLET TY. A, TY. 3V F&G
STA. 19+814.318, 29.164m RT.
GRATE 202.046
INV. 201.157

239 INLET TY. B, TY. 3V F&G
STA. 19+805.577, 26.718m RT.
GRATE 202.062
INV. 200.975

240 INLET TY. B, TY. 3V F&G
STA. 19+805.829, 17.343m RT.
GRATE 201.799
INV. 200.788

241 INLET TY. A, TY. 3V F&G
STA. 19+809, 10.067m LT.
GRATE 201.874
INV. 200.985

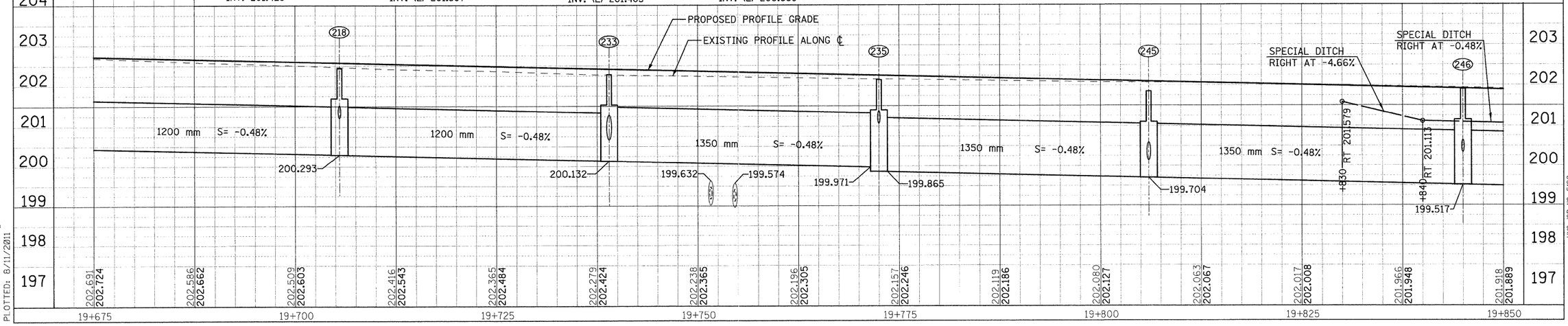
242 INLET TY. A, TY. 3V F&G
STA. 19+822.729, 12.47m RT.
GRATE 201.742
INV. 200.853

243 MH. TY. A, 1.2m DIA.,
TY. 5 FRAME, CL. LID
STA. 19+806, 10m RT.
GRATE 201.900
INV. (W) 200.589
INV. (S) 200.741
INV. (N,E) 200.641

244 MH. TY. A, 1.2m DIA.,
TY. 3V F&G
STA. 19+806, 9.768m LT.
GRATE 201.895
INV. (E,W) 200.193
INV. (N) 200.925

245 MH. TY. A, 2.1m DIA.,
TY. 1 FRAME, CL. LID
STA. 19+806, 12.4m LT.
GRATE 201.851
INV. (N,S) 199.506
INV. (E) 200.141

246 MH. TY. A, 2.1m DIA.,
TY. 1 FRAME, CL. LID
STA. 19+845, 13m LT.
GRATE 201.902
INV. (N,S) 199.318
INV. (E) 200.335



FILE: 414stm47_11.dgn
PLOTTED: 8/11/2011
HMG JOB NO. 5122

HMG ENGINEERS, INC., 1075 LAKE RD., P.O. BOX 70, CARLYLE, ILLINOIS 62231 (618)-594-3711 WWW.HMGENGINEERS.COM

STORM SEWER - FAP 326 (IL. RTE 47)

CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	415
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

P38 STORM SEWER, CL.A, R.G., 600 8.904m AT 0.50%

P247 STORM SEWER, CL.A, R.G., 450 2.555m AT 1.0%

P248 STORM SEWER, CL.A, R.G., 450 19.731m AT 1.0%

P249 STORM SEWER, CL.A, R.G., 300 1.637m AT 2.0%

P250 STORM SEWER, CL.A, R.G., 450 1.455m AT 2.0%

P251 STORM SEWER, CL.A, R.G., 1350 50.149m AT 0.48%

P252 STORM SEWER, CL.A, R.G., 450 6.670m AT 1.0%

P253 STORM SEWER, CL.A, R.G., 450 19.731m AT 1.0%

P254 STORM SEWER, CL.A, R.G., 450 1.405m AT 2.0%

P255 STORM SEWER, CL.A, R.G., 1350 50.649m AT 0.48%

P256 STORM SEWER, CL.A, R.G., 450 6.479m AT 1.0%

P257 STORM SEWER, CL.A, R.G., 450 28.930m AT 1.0%

P258 STORM SEWER, CL.A, R.G., 600 19.782m AT 1.0%

P259 STORM SEWER, CL.A, R.G., 600 1.161m AT 1.0%

P260 STORM SEWER, CL.A, R.G., 1350 43.655m AT 0.65%

P425 STORM SEWER, CL.A, R.G., 300 7.669m AT 4.0%

P426 STORM SEWER, CL.A, R.G., 300 13.443m AT 1.0%

P427 STORM SEWER, CL.A, R.G., 300 7.553m AT 1.0%

P428 STORM SEWER, CL.A, R.G., 300 7.364m AT 2.0%

P429 STORM SEWER, CL.A, R.G., 300 7.959m AT 2.0%

P431 STORM SEWER, CL.A, R.G., 300 7.647m AT 2.0%

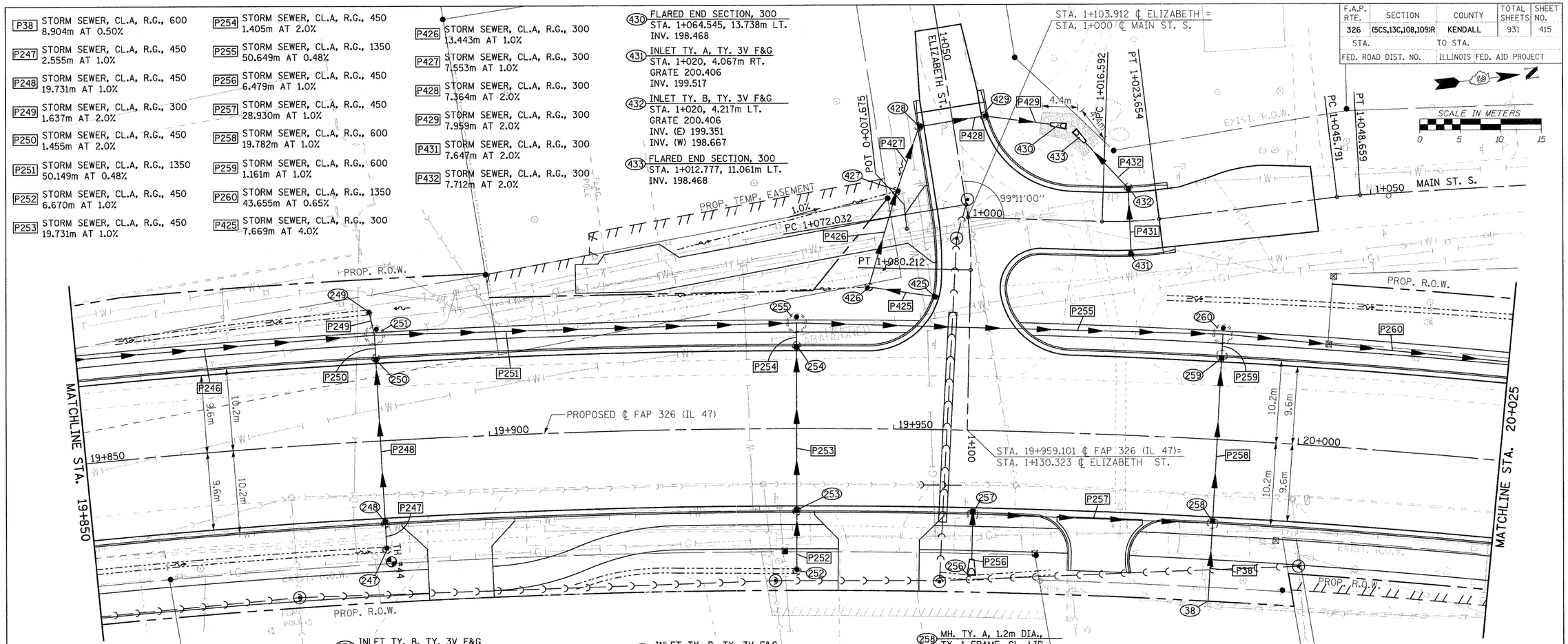
P432 STORM SEWER, CL.A, R.G., 300 7.712m AT 2.0%

430 FLARED END SECTION, 300
STA. 1+064.545, 13.738m LT.
INV. 198.468

431 INLET TY. A, TY. 3V F&G
STA. 1+020, 4.067m RT.
GRATE 200.406
INV. 199.517

432 INLET TY. B, TY. 3V F&G
STA. 1+020, 4.217m LT.
GRATE 200.406
INV. (E) 199.351
INV. (W) 198.667

433 FLARED END SECTION, 300
STA. 1+012.777, 11.061m LT.
INV. 198.468



38 CONNECT TO EXIST. INLET
STA. 19+990, 20m RT.
GRATE 201.389
INV. 199.252
(TO BE VERIFIED IN FIELD)

247 INLET TY. B, TY. 8 GRATE
STA. 19+886.5, 13.475m RT.
GRATE 200.891
INV. 199.837

248 INLET TY. B, TY. 3V F&G
STA. 19+886.5, 10.217m RT.
GRATE 201.487
INV. 199.804

249 INLET TY. A, TY. 8 GRATE
STA. 19+886, 15.919m LT.
GRATE 200.800
INV. 200.140

250 INLET TY. B, TY. 3V F&G
STA. 19+866.5, 10.217m LT.
GRATE 201.517
INV. 199.600

251 MH. TY. A, 2.1m DIA.,
TY. 1 FRAME, CL. LID
STA. 19+886.5, 13.05m LT.
GRATE 201.348
INV. (N,S) 199.119
INV. (W) 200.081
INV. (E) 199.543

252 INLET TY. B, TY. 8 GRATE
STA. 19+938, 17.590m RT.
GRATE 200.632
INV. 199.578

253 INLET TY. B, TY. 3V F&G
STA. 19+938, 10.217m RT.
GRATE 201.242
INV. 199.504

254 INLET TY. B, TY. 3V F&G
STA. 19+938, 10.217m LT.
GRATE 201.257
INV. 199.300

255 MH. TY. A, 2.1m DIA.,
TY. 1 FRAME, CL. LID
STA. 19+938, 13m LT.
GRATE 201.104
INV. (N,S) 198.872
INV. (E) 199.244

256 FLARED END SECTION
STA. 19+960, 17.930m RT.
INV. 199.829

257 MH. TY. A, 1.2m DIA.,
TY. 3V F&G
STA. 19+960, 10.367m RT.
GRATE 201.137
INV. 199.754

258 MH. TY. A, 1.2m DIA.,
TY. 1 FRAME, CL. LID
STA. 19+990, 10.367m RT.
GRATE 200.994
INV. (S) 199.454
INV. (E,W) 199.204

259 MH. TY. A, 1.2m DIA.,
TY. 1 FRAME, CL. LID
STA. 19+990, 10.367m LT.
GRATE 201.028
INV. 198.997

260 MH. TY. A, 2.1m DIA.,
TY. 1 FRAME, CL. LID
STA. 19+990, 13m LT.
GRATE 201.076
INV. (N,S) 198.622
INV. (E) 198.970

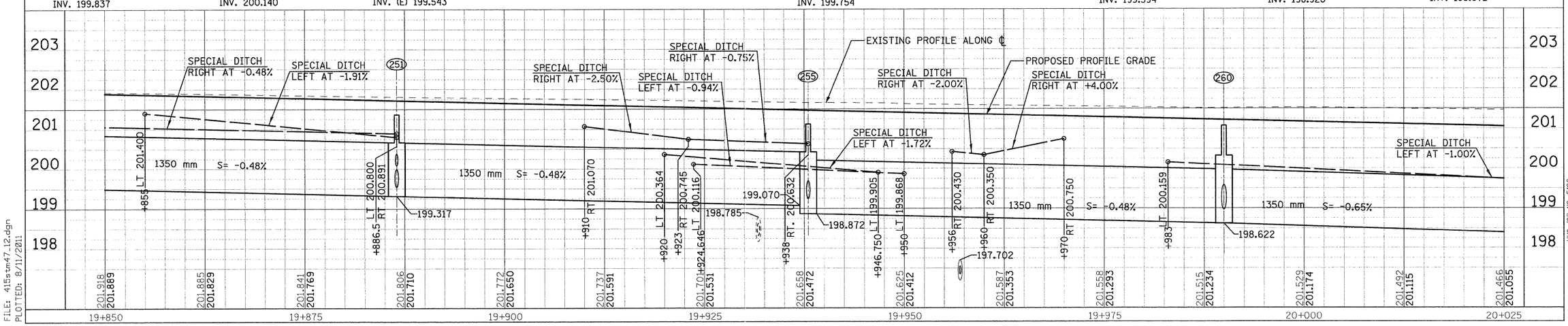
425 INLET TY. B, TY. 3V F&G
STA. 1+083.641, 4.343m RT.
GRATE 200.893
INV. 199.394

426 INLET TY. B, TY. 8 GRATE
STA. 1+082.61, 12.585m RT.
GRATE 199.905
INV. 199.062

427 INLET TY. B, TY. 8 GRATE
STA. 1+069.025, 8.244m RT.
GRATE 199.868
INV. 198.920

428 INLET TY. B, TY. 3V F&G
STA. 1+061.677, 4.231m RT.
GRATE 200.010
INV. 198.836

429 INLET TY. B, TY. 3V F&G
STA. 1+061.677, 3.952m LT.
GRATE 200.010
INV. 198.672



FILE: 415ssm47.12.dgn
PLOTTED: 8/11/2011

HMG JOB NO. 5122

CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	416
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

P261 STORM SEWER, CL.A, R.G., 450 3.681m AT 1.00%

P262 STORM SEWER, CL.A, R.G., 1350 24.659m AT 0.65%

P263 STORM SEWER, CL.A, R.G., 300 2.367m AT 2.00%

P264 STORM SEWER, CL.A, R.G., 300 19.600m AT 2.00%

P265 STORM SEWER, CL.A, R.G., 300 2.213m AT 2.00%

P266 STORM SEWER, CL.A, R.G., 300 1.011m AT 2.00%

P267 STORM SEWER, CL.A, R.G., 1350 29.726m AT 0.65%

P268 STORM SEWER, CL.A, R.G., 1350 81.466m AT 0.65%

P269 STORM SEWER, CL.A, R.G., 1500 38.646m AT 0.55%

P270 STORM SEWER, CL.A, R.G., 600 4.197m AT 0.50%

P271 STORM SEWER, CL.A, R.G., 600 19.782m AT 0.80%

P273 STORM SEWER, CL.A, R.G., 600 1.349m AT 0.80%

P465 STORM SEWER, CL.A, R.G., 450 12.286m AT 1.00%

P466 STORM SEWER, CL.A, R.G., 600 35.752m AT 0.50%

(268) MH. TY. A, 2.1m DIA., TY. 3V F&G
STA. 20+092, 10.81m LT.
GRATE 200.859
INV. (S) 197.959
INV. (N) 197.806

(269) MH. TY. A, 2.4m DIA., TY. 1 FRAME, CL. LID
STA. 20+175, 13.350m LT.
GRATE 200.746
INV. (N,S) 197.267
INV. (E) 198.142

(270) MH. TY. A, 1.5m DIA., TY. 8 GRATE
STA. 20+175, 15.7m RT.
GRATE 200.404
INV. 198.359

(271) MH. TY. A, 1.2m DIA., TY. 1 FRAME, CL. LID
STA. 20+175, 10.367m RT.
GRATE 200.804
INV. 198.332

(273) MH TY. A, 1.2m DIA., TY. 1 FRAME, CL. LID
STA. 20+175, 10.367m LT.
GRATE 200.804
INV. 198.166

(465) INLET TY. B, TY. 8 GRATE
STA. 20+141, 31m RT.
GRATE 200.000
INV. 198.946

(466) MH. TY. A, 1.5m DIA., TY. 1 FRAME, CL. LID
STA. 20+138, 18m RT.
GRATE 200.855
INV. (N,S) 198.544
INV. (E) 198.812

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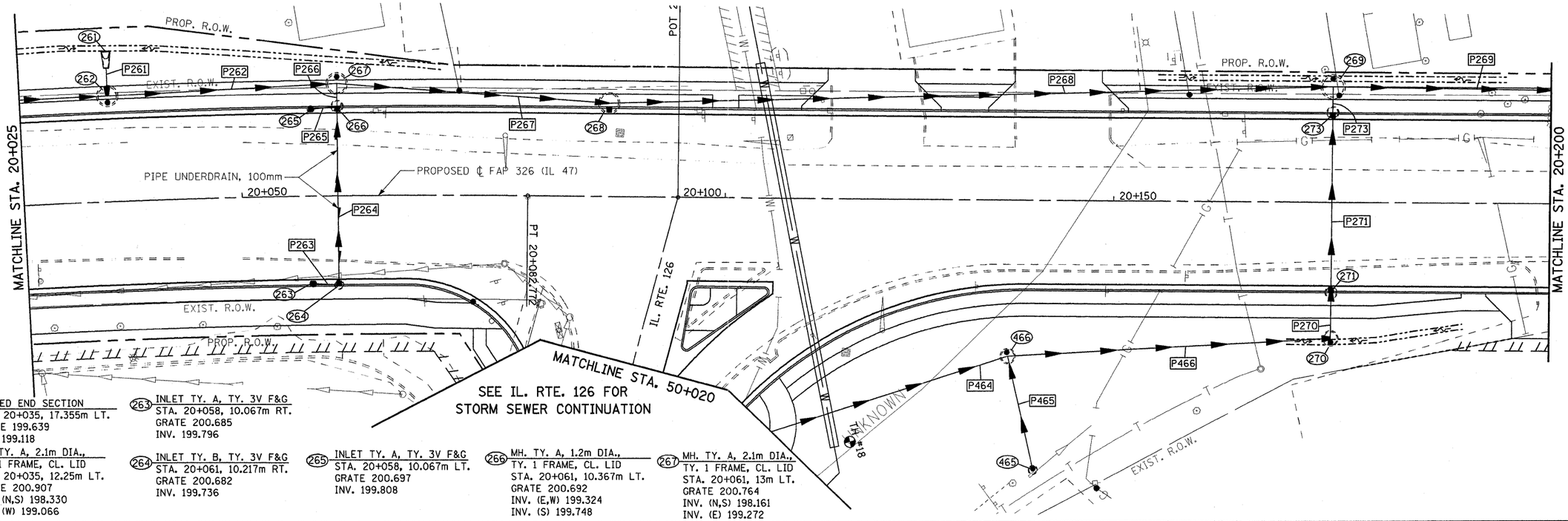


(261) FLARED END SECTION
STA. 20+035, 17.355m LT.
GRATE 199.639
INV. 199.118

(262) MH. TY. A, 2.1m DIA., TY. 1 FRAME, CL. LID
STA. 20+035, 12.25m LT.
GRATE 200.907
INV. (N,S) 198.330
INV. (W) 199.066

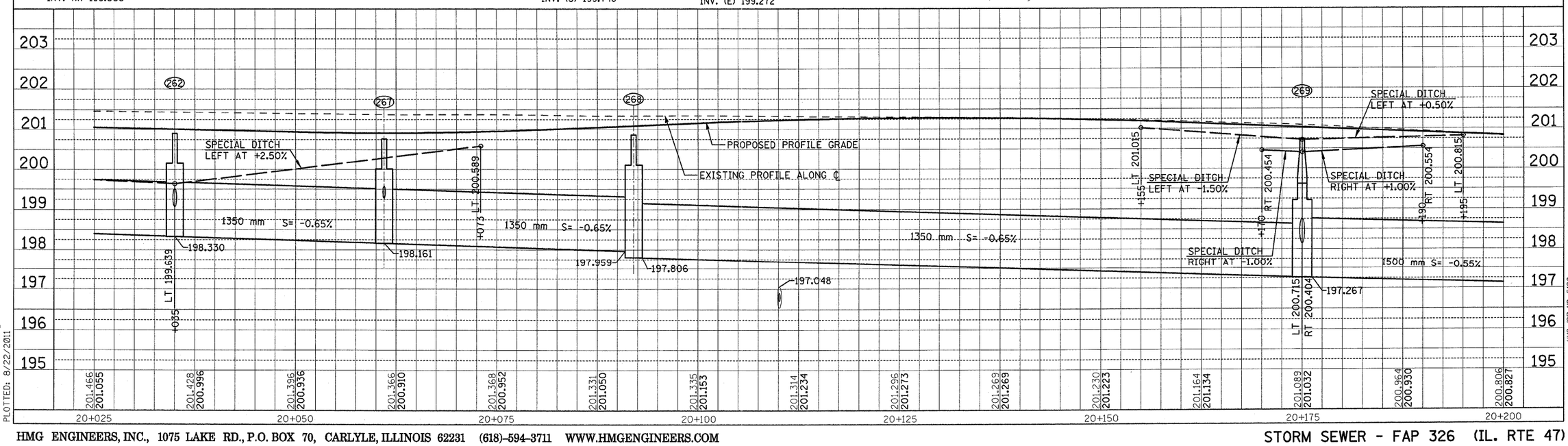
(263) INLET TY. A, TY. 3V F&G
STA. 20+058, 10.067m RT.
GRATE 200.685
INV. 199.796

(264) INLET TY. B, TY. 3V F&G
STA. 20+061, 10.217m RT.
GRATE 200.682
INV. 199.736

(265) INLET TY. A, TY. 3V F&G
STA. 20+058, 10.067m LT.
GRATE 200.697
INV. 199.808

(266) MH. TY. A, 1.2m DIA., TY. 1 FRAME, CL. LID
STA. 20+061, 10.367m LT.
GRATE 200.692
INV. (E,W) 199.324
INV. (S) 199.748

(267) MH. TY. A, 2.1m DIA., TY. 1 FRAME, CL. LID
STA. 20+061, 13m LT.
GRATE 200.764
INV. (N,S) 198.161
INV. (E) 199.272



FILE: 416stm47_13.dgn
PLOTTED: 8/22/2011

Sheet: 13
Area: 14.7702
Chain: P_IL47

HMG JOB NO. 5122

CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	417
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

P40 STORM SEWER, CL.A, R.G., 300 2.4m AT 0.5%

P274 STORM SEWER, CL.A, R.G., 300 19.647m AT 2.0%

P275 STORM SEWER, CL.A, R.G., 300 1.326m AT 4.0%

P276 STORM SEWER, CL.A, R.G., 1500 26.901m AT 0.55%

P277 STORM SEWER, CL.A, R.G., 300 1.659m AT 2.0%

P278 STORM SEWER, CL.A, R.G., 1500 26.401m AT 0.55%

P279 STORM SEWER, CL.A, R.G., 300 1.659m AT 2.0%

P280 STORM SEWER, CL.A, R.G., 1500 30.144m AT 0.55%

P281 STORM SEWER, CL.A, R.G., 300 15.364m AT 2.0%

P282 STORM SEWER, CL.A, R.G., 300 30.181m AT 2.0%

P283 STORM SEWER, CL.A, R.G., 300 19.615m AT 2.0%

P284 STORM SEWER, CL.A, R.G., 300 1.022m AT 4.0%

P285 STORM SEWER, CL.A, R.G., 1500 24.387m AT 0.55%

P286 STORM SEWER, CL.A, R.G., 1500 13.038m AT 0.55%

P287 STORM SEWER, CL.A, R.G., 300 1.021m AT 2.0%

P288 STORM SEWER, CL.A, R.G., 300 19.631m AT 1.0%

P289 STORM SEWER, CL.A, R.G., 300 14.397m AT 0.50%

P290 STORM SEWER, CL.A, R.G., 300 7.497m AT 2.0%

P291 STORM SEWER, CL.A, R.G., 1500 30.743m AT 0.55%

P292 STORM SEWER, CL.A, R.G., 300 5.051m AT 3.11%

P293 STORM SEWER, CL.A, R.G., 300 7.577m AT 4.0%

P294 STORM SEWER, CL.A, R.G., 300 4.735m AT 2.0%

P295 STORM SEWER, CL.A, R.G., 300 5.940m AT 1.0%

P296 STORM SEWER, CL.A, R.G., 300 12.176m AT 1.0%

P297 STORM SEWER, CL.A, R.G., 300 18.151m AT 1.0%

P298 STORM SEWER, CL.A, R.G., 300 1.003m AT 2.0%

(294) INLET TY. A, TY. 11V F&G
STA. 20+358.799, 22.008m RT.
GRATE 197.668
INV. 196.779

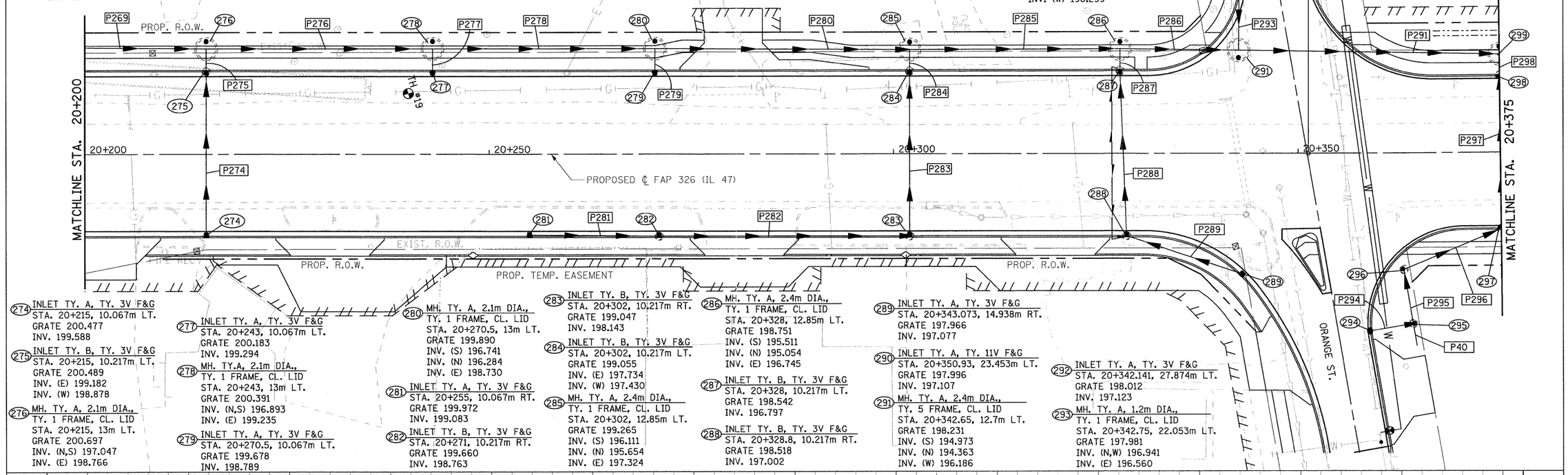
(295) INLET TY. B, TY. 1 FRAME, CL. LID
STA. 20+364.095, 21.105m RT.
GRATE 197.725
INV. (S) 196.672
INV. (W) 195.700

(296) INLET TY. B, TY. 1 FRAME, CL. LID
STA. 20+362.985, 14.437m RT.
GRATE 197.909
INV. 195.632

(297) INLET TY. B, TY. 11V F&G
STA. 20+375, 9.485m RT.
GRATE 197.633
INV. 195.502

(298) INLET TY. B, TY. 11V F&G
STA. 20+375, 9.485m LT.
GRATE 197.641
INV. 195.313

(299) MH. TY. A, 2.4m DIA.,
TY. 1 FRAME, CL. LID
STA. 20+375, 12.1m LT.
GRATE 197.715
INV. (S) 194.185
INV. (N) 193.728
INV. (E) 195.260
INV. (W) 196.299



(274) INLET TY. A, TY. 3V F&G
STA. 20+215, 10.067m LT.
GRATE 200.477
INV. 199.588

(275) INLET TY. B, TY. 3V F&G
STA. 20+215, 10.217m LT.
GRATE 200.489
INV. (E) 199.182
INV. (W) 198.878

(276) MH. TY. A, 2.1m DIA.,
TY. 1 FRAME, CL. LID
STA. 20+215, 13m LT.
GRATE 200.697
INV. (N,S) 197.047
INV. (E) 198.766

(277) INLET TY. A, TY. 3V F&G
STA. 20+243, 10.067m LT.
GRATE 200.183
INV. 199.294

(278) MH. TY.A, 2.1m DIA.,
TY. 1 FRAME, CL. LID
STA. 20+243, 13m LT.
GRATE 200.391
INV. (N,S) 196.893
INV. (E) 199.235

(279) INLET TY. A, TY. 3V F&G
STA. 20+270.5, 10.067m LT.
GRATE 199.678
INV. 198.789

(280) MH. TY. A, 2.1m DIA.,
TY. 1 FRAME, CL. LID
STA. 20+270.5, 13m LT.
GRATE 199.890
INV. (S) 196.741
INV. (N) 196.284
INV. (E) 198.730

(281) INLET TY. A, TY. 3V F&G
STA. 20+255, 10.067m RT.
GRATE 199.972
INV. 199.083

(282) INLET TY. B, TY. 3V F&G
STA. 20+271, 10.217m RT.
GRATE 199.660
INV. 198.763

(283) INLET TY. B, TY. 3V F&G
STA. 20+302, 10.217m RT.
GRATE 199.047
INV. 198.143

(284) INLET TY. B, TY. 3V F&G
STA. 20+302, 10.217m LT.
GRATE 199.055
INV. (E) 197.734
INV. (W) 197.430

(285) MH. TY. A, 2.4m DIA.,
TY. 1 FRAME, CL. LID
STA. 20+302, 12.85m LT.
GRATE 199.265
INV. (S) 196.111
INV. (N) 195.654
INV. (E) 197.324

(286) MH. TY. A, 2.4m DIA.,
TY. 1 FRAME, CL. LID
STA. 20+328, 12.85m LT.
GRATE 198.751
INV. (S) 195.511
INV. (N) 195.054
INV. (E) 196.745

(287) INLET TY. B, TY. 3V F&G
STA. 20+328, 10.217m LT.
GRATE 198.542
INV. 196.797

(288) INLET TY. B, TY. 3V F&G
STA. 20+328.8, 10.217m RT.
GRATE 198.518
INV. 197.002

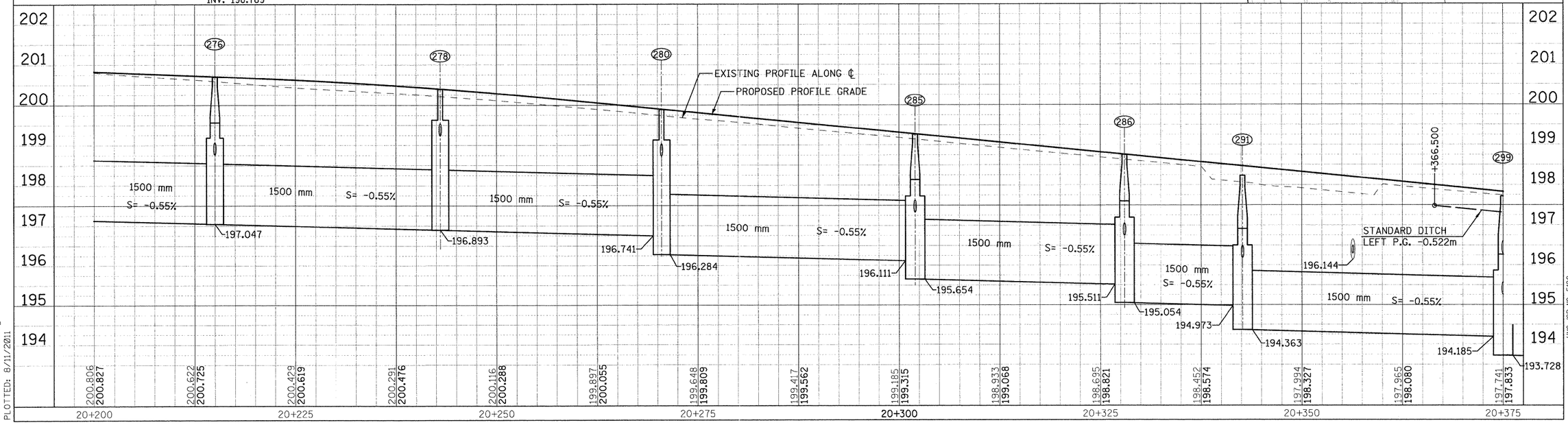
(289) INLET TY. A, TY. 3V F&G
STA. 20+343.073, 14.938m RT.
GRATE 197.966
INV. 197.077

(290) INLET TY. A, TY. 11V F&G
STA. 20+350.93, 23.453m LT.
GRATE 197.996
INV. 197.107

(291) MH. TY. A, 2.4m DIA.,
TY. 5 FRAME, CL. LID
STA. 20+342.65, 12.7m LT.
GRATE 198.231
INV. (S) 194.973
INV. (N) 194.363
INV. (W) 196.186

(292) INLET TY. A, TY. 3V F&G
STA. 20+342.141, 27.874m LT.
GRATE 198.012
INV. 197.123

(293) MH. TY. A, 1.2m DIA.,
TY. 1 FRAME, CL. LID
STA. 20+342.75, 22.053m LT.
GRATE 197.981
INV. (N,W) 196.941
INV. (E) 196.560



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PLOTTED: 8/11/2011

HMG JOB NO. 5122

STORM SEWER - FAP 326 (IL. RTE 47)

CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	418
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

P45 STORM SEWER, CL.A, R.G., 300
2.251m AT 2.00%

P46 STORM SEWER, CL.A, R.G., 300
2.408m STUB AT 0.50%

P299 STORM SEWER, CL.A, R.G., 1500
24.387m AT 0.55%

P300 STORM SEWER, CL.A, R.G., 300
18.183m AT 2.00%

P301 STORM SEWER, CL.A, R.G., 300
1.003m AT 4.00%

P302 STORM SEWER, CL.A, R.G., 1500
38.530m AT 0.55%

P303 STORM SEWER, CL.A, R.G., 300
5.966m AT 2.50%

P304 STORM SEWER, CL.A, R.G., 300
14.553m AT 3.00%

P306 STORM SEWER, CL.A, R.G., 300
13.805m AT 0.50%

P307 STORM SEWER, CL.A, R.G., 300
5.272m AT 4.00%

P308 STORM SEWER, CL.A, R.G., 300
2.079m AT 4.00%

P309 STORM SEWER, CL.A, R.G., 1500
30.160m AT 0.55%

P310 STORM SEWER, CL.A, R.G., 300
0.860m AT 4.00%

P311 STORM SEWER, CL.A, R.G., 1500
24.887m AT 0.55%

P312 STORM SEWER, CL.A, R.G., 300
0.860m AT 4.00%

P313 STORM SEWER, CL.A, R.G., 1500
31.187m AT 0.55%

P314 STORM SEWER, CL.A, R.G., 300
0.655m AT 4.00%

P315 STORM SEWER, CL.A, R.G., 1500
23.187m AT 0.55%

P319 STORM SEWER, CL.A, R.G., 300
25.864m AT 1.89%

P321 STORM SEWER, CL.A, R.G., 300
30.681m AT 2.75%

P323 STORM SEWER, CL.A, R.G., 300
22.281m AT 2.75%

CITY OF YORKVILLE WILL REPLACE EXISTING PIPE DURING CONSTRUCTION

WASHINGTON ST.

PROP. TEMP. EASEMENT

PROP. R.O.W.

EXIST. R.O.W.

PROPOSED ℄ FAP 326 (IL 47)

MATCHLINE STA. 20+375

MATCHLINE STA. 20+550

20+400 20+450 20+500

(45) INLET TY. A, TY. 8 GRATE
STA. 20+377.629, 14.675m LT.
GRATE 197.262
INV. 196.373

(300) INLET TY. A, TY. 11V F&G
STA. 20+401, 9.335m RT.
GRATE 197.119
INV. 196.230

(301) INLET TY. B, TY. 11V F&G
STA. 20+401, 9.485m LT.
GRATE 197.128
INV. 195.854

(302) MH. TY. A, 2.4m DIA.,
TY. 1 FRAME, CL. LID
STA. 20+401, 12.1m LT.
GRATE 197.196
INV. (S) 193.585
INV. (N) 193.128
INV. (W) 194.565
INV. (E) 195.749

(303) INLET TY. A, TY. 11V F&G
STA. 20+434, 9.335m RT.
GRATE 196.468
INV. 195.579

(304) MH. TY. A, 1.2m DIA.,
TY. 11V F&G
STA. 20+440.750, 9.83m RT.
GRATE 196.316
INV. 195.410

(306) INLET TY. B, TY. 11V F&G
STA. 20+445.355, 24.068m LT.
GRATE 195.805
INV. 194.313

(307) INLET TY. A, TY. 11V F&G
STA. 20+434, 9.336m LT.
GRATE 196.475
INV. 195.507

(308) MH. TY. A, 1.2m DIA.,
TY. 11V F&G
STA. 20+440, 10.282m LT.
GRATE 196.318
INV. (W) 194.620
INV. (E) 194.239
INV. (S) 195.264

(309) MH. TY. A, 2.4m DIA.,
TY. 5 FRAME, CL. LID
STA. 20+440.750, 6.5m LT.
GRATE 196.375
INV. (S) 192.907
INV. (N) 192.298
INV. (W) 194.085
INV. (E) 194.920

(310) INLET TY. A, TY. 11V F&G
STA. 20+470.899, 9.336m LT.
GRATE 195.616
INV. 194.529

(311) MH. TY. A, 2.4m DIA.,
TY. 5 FRAME, CL. LID
STA. 20+472.5, 7.7m LT.
GRATE 195.637
INV. (S) 192.123
INV. (N) 191.818
INV. (W) 194.437

(312) INLET TY. A, TY. 11V F&G
STA. 20+497.4, 9.336m LT.
GRATE 194.894
INV. 193.807

(313) MH. TY. A, 2.4m DIA.,
TY. 5 FRAME, CL. LID
STA. 20+499, 7.7m LT.
GRATE 194.914
INV. (S) 191.672
INV. (N) 191.215
INV. (W) 193.715

(314) INLET TY. B, TY. 11V F&G
STA. 20+530.4, 9.485m LT.
GRATE 193.991
INV. (W) 192.982
INV. (E) 192.830

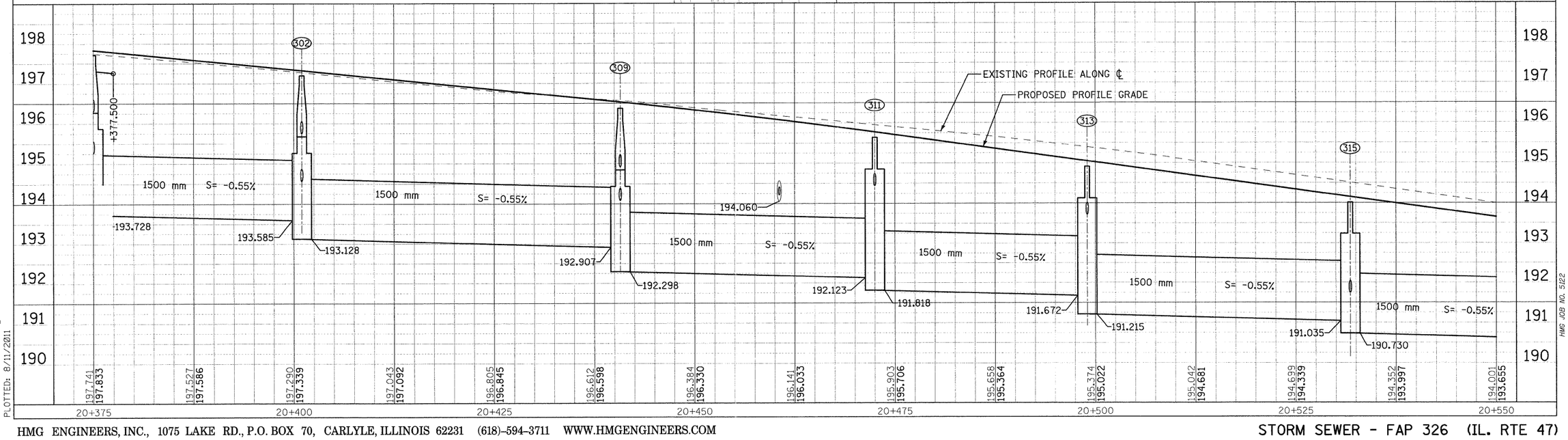
(315) MH. TY. A, 2.4m DIA.,
TY. 5 FRAME, CL. LID
STA. 20+531.8, 7.7m LT.
GRATE 194.017
INV. (S) 191.035
INV. (N) 190.730
INV. (W) 192.739

(319) INLET TY. A, TY. 11V F&G
STA. 20+472.5, 9.335m RT.
GRATE 195.573
INV. 194.455

(321) INLET TY. B, TY. 11V F&G
STA. 20+499, 9.485m RT.
GRATE 194.851
INV. 193.955

(323) INLET TY. B, TY. 11V F&G
STA. 20+530.5, 9.485m RT.
GRATE 193.993
INV. 193.089

SCALE IN METERS
0 5 10 15



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PLOTTED: 8/11/2011

HMG JOB NO. 5122

HMG ENGINEERS, INC., 1075 LAKE RD., P.O. BOX 70, CARLYLE, ILLINOIS 62231 (618)-594-3711 WWW.HMGENGINEERS.COM

STORM SEWER - FAP 326 (IL. RTE 47)

CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	419
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

P316 STORM SEWER, CL.A, R.G., 300
2.367m AT 3.00%

P317 STORM SEWER, CL.A, R.G., 300
0.785m AT 4.00%

P318 STORM SEWER, CL.A, R.G., 1500
16.787m AT 0.55%

P319 STORM SEWER, CL.A, R.G., 1500
10.387m AT 0.55%

P324 STORM SEWER, CL.A, R.G., 300
2.019m AT 2.75%

P325 STORM SEWER, CL.A, R.G., 300
15.558m AT 2.00%

P327 STORM SEWER, CL.A, R.G., 300
5.967m AT 1.00%

P328 STORM SEWER, CL.A, R.G., 300
11.020m AT 1.00%

P329 STORM SEWER, CL.A, R.G., 300
0.786m AT 1.00%

P337 STORM SEWER, CL.A, R.G., 600
11.141m AT 1.90%

P338 STORM SEWER, CL.A, R.G., 600
9.333m AT 1.50%

P339 STORM SEWER, CL.A, R.G., 1500
36.787m AT 0.55%

P340 STORM SEWER, CL.A, R.G., 300
15.573m AT 2.00%

P341 STORM SEWER, CL.A, R.G., 300
23.264m AT 3.50%

P342 STORM SEWER, CL.A, R.G., 1650
28.323m AT 0.50%

P343 STORM SEWER, CL.A, R.G., 1650
13.093m AT 0.50%

P344 STORM SEWER, CL.A, R.G., 300
2.828m AT 4.00%

P345 STORM SEWER, CL.A, R.G., 1650
19.615m AT 0.50%

P346 STORM SEWER, CL.A, R.G., 300
2.828m AT 4.00%

P347 STORM SEWER, CL.A, R.G., 1650
19.615m AT 0.50%

P348 STORM SEWER, CL.A, R.G., 300
2.828m AT 4.00%

P349 STORM SEWER, CL.A, R.G., 1650
17.615m AT 0.50%

P372 STORM SEWER, CL.A, R.G., 300
29.364m AT 4.80%

P373 STORM SEWER, CL.A, R.G., 300
32.181m AT 4.80%

316 INLET TY. A, TY. 11V F&G
STA. 20+552, 9.336m LT.
GRATE 193.406
INV. 192.517

317 INLET TY. B, TY. 11V F&G
STA. 20+555, 9.485m LT.
GRATE 193.319
INV. 192.274

318 MH. TY.A, 2.4m DIA.,
TY. 5 FRAME, CL. LID
STA. 20+556.6, 7.7m LT.
GRATE 193.339
INV. (N) 189.770
INV. (S) 190.594
INV. (W) 192.179
INV. (E) 191.720

319 MH. TY.A, 2.4m DIA.,
TY. 5 FRAME, CL. LID
STA. 20+575, 7.7m LT.
GRATE 192.834
INV. (N) 189.273
INV. (S) 189.669

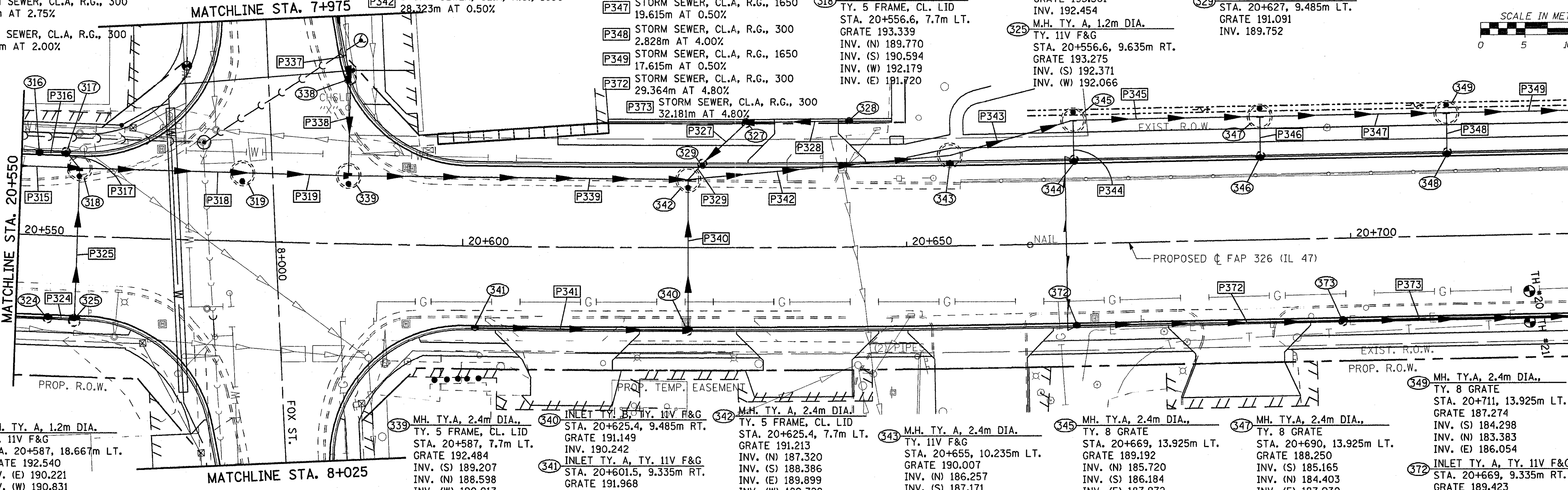
324 INLET TY. B, TY. 11V F&G
STA. 20+553.6, 9.485m RT.
GRATE 193.361
INV. 192.454

325 M.H. TY. A, 1.2m DIA.
TY. 11V F&G
STA. 20+556.6, 9.635m RT.
GRATE 193.275
INV. (S) 192.371
INV. (W) 192.066

327 INLET TY. B, TY. 11V F&G
STA. 20+631.986, 14.089m LT.
GRATE 191.285
INV. (N,S) 189.819

328 INLET TY. A, TY. 11V F&G
STA. 20+643.642, 14.239m LT.
GRATE 190.825
INV. 189.936

329 INLET TY. B, TY. 11V F&G
STA. 20+627, 9.485m LT.
GRATE 191.091
INV. 189.752



338 M.H. TY. A, 1.2m DIA.
TY. 11V F&G
STA. 20+587, 18.667m LT.
GRATE 192.540
INV. (E) 190.221
INV. (W) 190.831

339 MH. TY.A, 2.4m DIA.,
TY. 5 FRAME, CL. LID
STA. 20+587, 7.7m LT.
GRATE 192.484
INV. (S) 189.207
INV. (N) 188.598
INV. (W) 190.013

340 INLET TY. B, TY. 11V F&G
STA. 20+625.4, 9.485m RT.
GRATE 191.149
INV. 190.242

341 INLET TY. A, TY. 11V F&G
STA. 20+601.5, 9.335m RT.
GRATE 191.968
INV. 191.079

342 M.H. TY. A, 2.4m DIA.
TY. 5 FRAME, CL. LID
STA. 20+625.4, 7.7m LT.
GRATE 191.213
INV. (N) 187.320
INV. (S) 188.386
INV. (E) 189.899
INV. (W) 189.728

343 M.H. TY. A, 2.4m DIA.
TY. 11V F&G
STA. 20+655, 10.235m LT.
GRATE 190.007
INV. (N) 186.257
INV. (S) 187.171

344 INLET TY. B, TY. 11V F&G
STA. 20+669, 9.485m LT.
GRATE 189.420
INV. 188.150

345 MH. TY.A, 2.4m DIA.,
TY. 8 GRATE
STA. 20+669, 13.925m LT.
GRATE 189.192
INV. (N) 185.720
INV. (S) 186.184
INV. (E) 187.972

346 INLET TY. B, TY. 11V F&G
STA. 20+690, 9.485m LT.
GRATE 188.478
INV. 187.208

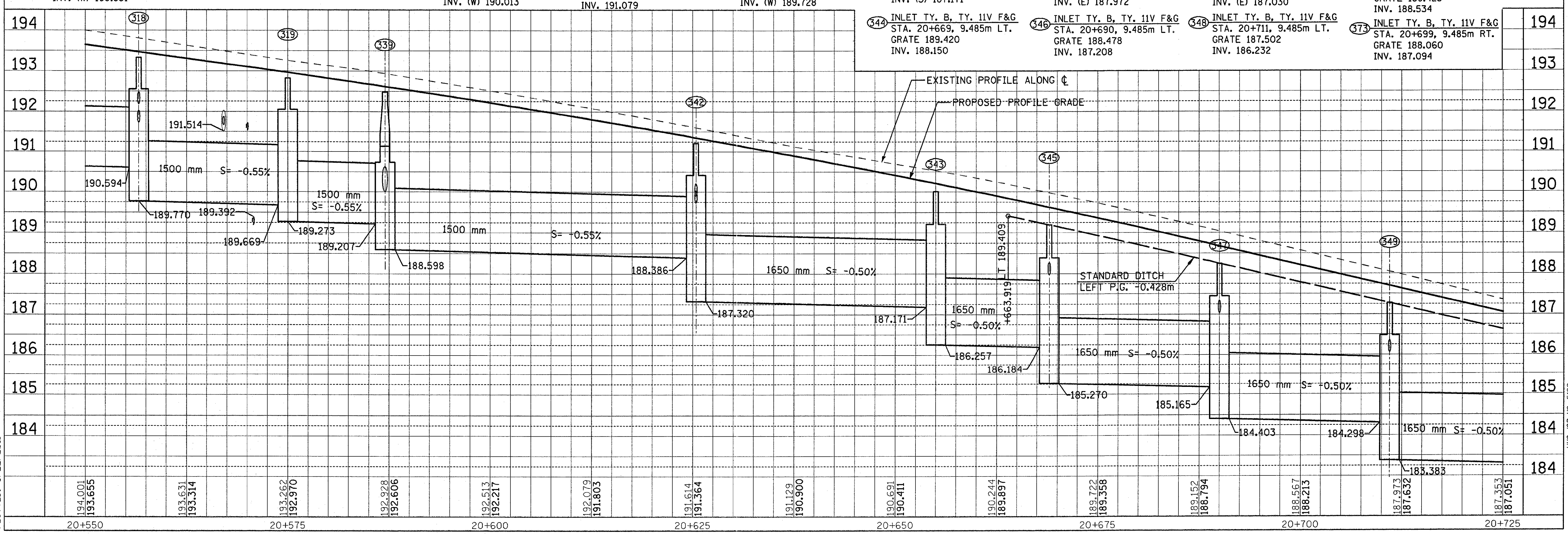
347 MH. TY.A, 2.4m DIA.,
TY. 8 GRATE
STA. 20+690, 13.925m LT.
GRATE 188.250
INV. (S) 185.165
INV. (N) 184.403
INV. (E) 187.030

348 INLET TY. B, TY. 11V F&G
STA. 20+711, 9.485m LT.
GRATE 187.502
INV. 186.232

349 MH. TY.A, 2.4m DIA.,
TY. 8 GRATE
STA. 20+711, 13.925m LT.
GRATE 187.274
INV. (S) 184.298
INV. (N) 183.383
INV. (E) 186.054

372 INLET TY. A, TY. 11V F&G
STA. 20+669, 9.335m RT.
GRATE 189.423
INV. 188.534

373 INLET TY. B, TY. 11V F&G
STA. 20+699, 9.485m RT.
GRATE 188.060
INV. 187.094



HMG JOB NO. 5122

FILE: 419stm47_16.dgn
PLOTTED: 8/22/2011

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Chain: P_IL47

CONTRACT NO. 66671

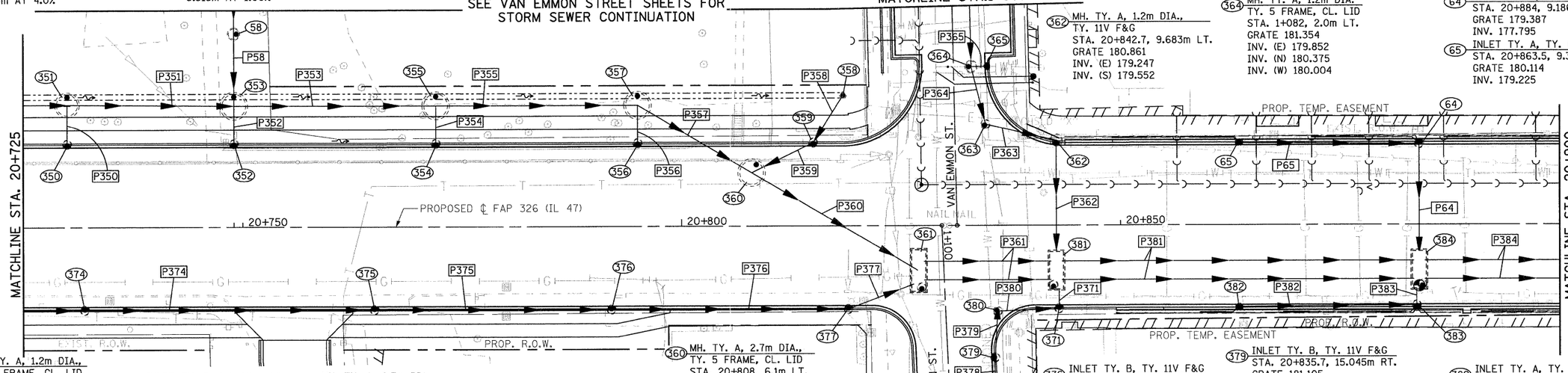
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	420
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

SCALE IN METERS
0 5 10 15

P58 STORM SEWER, CL.A, R.G., 300 6.294m AT 0.45%
P64 STORM SEWER, CL.A, R.G., 300 11.829m AT 2.00%
P65 STORM SEWER, CL.A, R.G., 300 19.864m AT 4.00%
P350 STORM SEWER, CL.A, R.G., 300 2.828m AT 4.0%
P351 STORM SEWER, CL.A, R.G., 1650 17.373m AT 0.50%
P352 STORM SEWER, CL.A, R.G., 300 2.524m AT 4.0%
P353 STORM SEWER, CL.A, R.G., 1650 21.130m AT 0.50%
P354 STORM SEWER, CL.A, R.G., 300 2.524m AT 4.00%
P355 STORM SEWER, CL.A, R.G., 1650 21.130m AT 0.50%
P356 STORM SEWER, CL.A, R.G., 300 2.524m AT 4.00%
P357 STORM SEWER, CL.A, R.G., 1650 13.226m AT 0.50%
P358 STORM SEWER, CL.A, R.G., 300 5.515m AT 1.00%
P359 STORM SEWER, CL.A, R.G., 300 8.115m AT 1.00%
P360 STORM SEWER, CL.A, R.G., 1650 21.918m AT 0.50%
P361 STORM SEWER, CL.A, R.G., 1200 2 - 14.399m AT 0.75%
P362 STORM SEWER, CL.A, R.G., 450 12.497m AT 2.50%
P363 STORM SEWER, CL.A, R.G., 450 7.365m AT 2.00%
P364 STORM SEWER, CL.A, R.G., 450 5.854m AT 2.00%
P365 STORM SEWER, CL.A, R.G., 300 0.851m AT 2.00%
P371 STORM SEWER, CL.A, R.G., 300 1.829m AT 4.00%
P374 STORM SEWER, CL.A, R.G., 300 32.181m AT 4.80%
P375 STORM SEWER, CL.A, R.G., 300 26.181m AT 4.80%
P376 STORM SEWER, CL.A, R.G., 300 26.181m AT 4.80%
P377 STORM SEWER, CL.A, R.G., 300 7.553m AT 4.80%
P378 STORM SEWER, CL.A, R.G., 300 2.067m AT 2.00%
P379 STORM SEWER, CL.A, R.G., 300 4.925m AT 2.00%
P380 STORM SEWER, CL.A, R.G., 300 7.981m AT 2.00%
P381 STORM SEWER, CL.A, R.G., 1200 2 - 39.999m AT 0.75%
P382 STORM SEWER, CL.A, R.G., 300 19.564m AT 4.00%
P383 STORM SEWER, CL.A, R.G., 300 1.530m AT 4.00%
P384 STORM SEWER, CL.A, R.G., 1200 2 - 36.000m AT 0.75%

SEE VAN EMMON STREET SHEETS FOR STORM SEWER CONTINUATION

MATCHLINE STA.1+075



(58) MH. TY. A, 1.2m DIA., TY. 1 FRAME, CL. LID
STA. 20+749, 22m LT.
GRATE 187.775
INV. (W) 186.603
INV. (E) 184.775

(350) INLET TY. B, TY. 11V F&G
STA. 20+730, 9.485m LT.
GRATE 186.618
INV. 185.348

(351) MH. TY. A, 2.4m DIA., TY. 8 GRATE
STA. 20+730, 13.925m LT.
GRATE 186.390
INV. (N) 182.526
INV. (S) 183.288
INV. (E) 185.170

(352) INLET TY. B, TY. 11V F&G
STA. 20+749, 9.485m LT.
GRATE 185.735
INV. 184.465

(353) MH. TY. A, 2.7m DIA., TY. 8 GRATE
STA. 20+749, 13.775m LT.
GRATE 185.507
INV. (N) 181.669
INV. (S) 182.431
INV. (E) 184.293
INV. (W) 184.404

(354) INLET TY. B, TY. 11V F&G
STA. 20+772, 9.485m LT.
GRATE 184.665
INV. 183.395

(355) MH. TY. A, 2.7m DIA., TY. 8 GRATE
STA. 20+772, 13.775m LT.
GRATE 184.437
INV. (N) 180.640
INV. (S) 181.554
INV. (E) 183.223

(356) INLET TY. B, TY. 11V F&G
STA. 20+795, 9.485m LT.
GRATE 183.462
INV. 182.192

(357) MH. TY. A, 2.7m DIA., TY. 8 GRATE
STA. 20+795, 13.775m LT.
GRATE 183.234
INV. (N) 179.611
INV. (S) 180.525
INV. (E) 182.020

(358) INLET TY. B, TY. 8 GRATE
STA. 20+818.406, 14.825m LT.
GRATE 181.848
INV. 180.959

(359) INLET TY. B, TY. 11V F&G
STA. 20+815, 9.485m LT.
GRATE 182.246
INV. 180.896

(360) MH. TY. A, 2.7m DIA., TY. 5 FRAME, CL. LID
STA. 20+808, 6.1m LT.
GRATE 182.690
INV. (N) 180.818
INV. (W) 179.535
INV. (E) 178.621

(361) JUNCTION BOX #1
STA. 20+827, 5.150m RT.
GRATE 181.672
INV. (N) 177.596
INV. (SW) 178.510
INV. (S) 179.886

(371) INLET TY. B, TY. 11V F&G
STA. 20+843, 9.485m RT.
GRATE 180.851
INV. (W) 179.251
INV. (S) 179.556

(374) INLET TY. B, TY. 11V F&G
STA. 20+732, 9.485m RT.
GRATE 186.525
INV. 185.510

(375) INLET TY. B, TY. 11V F&G
STA. 20+765, 9.485m RT
GRATE 184.991
INV. 183.926

(376) INLET TY. B, TY. 11V F&G
STA. 20+792, 9.485m RT.
GRATE 183.635
INV. (N) 182.173
INV. (S) 182.630

(377) INLET TY. B, TY. 11V F&G
STA. 20+819, 9.485m RT.
GRATE 182.020
INV. (N) 180.267
INV. (S) 180.877

(378) INLET TY. A, TY. 11V F&G
STA. 20+835.669, 17.749m RT.
GRATE 181.095
INV. 180.206

(362) MH. TY. A, 1.2m DIA., TY. 11V F&G
STA. 20+842.7, 9.683m LT.
GRATE 180.861
INV. (E) 179.247
INV. (S) 179.552

(363) INLET TY. B, TY. 1 FR., CL. LID
STA. 1+088.572, 3.5m LT.
GRATE 181.241
INV. 179.717

(364) MH. TY. A, 1.2m DIA. TY. 5 FRAME, CL. LID
STA. 1+082, 2.0m LT.
GRATE 181.354
INV. (E) 179.852
INV. (N) 180.375
INV. (W) 180.004

(365) INLET TY. B, TY. 11V F&G
STA. 1+082, 3.835m LT.
GRATE 181.301
INV. 180.412

(64) INLET TY. B, TY. 11V F&G
STA. 20+884, 9.186m LT.
GRATE 179.387
INV. 177.795

(65) INLET TY. A, TY. 11V F&G
STA. 20+863.5, 9.336m LT.
GRATE 180.114
INV. 179.225

(379) INLET TY. B, TY. 11V F&G
STA. 20+835.7, 15.045m RT.
GRATE 181.105
INV. 180.152

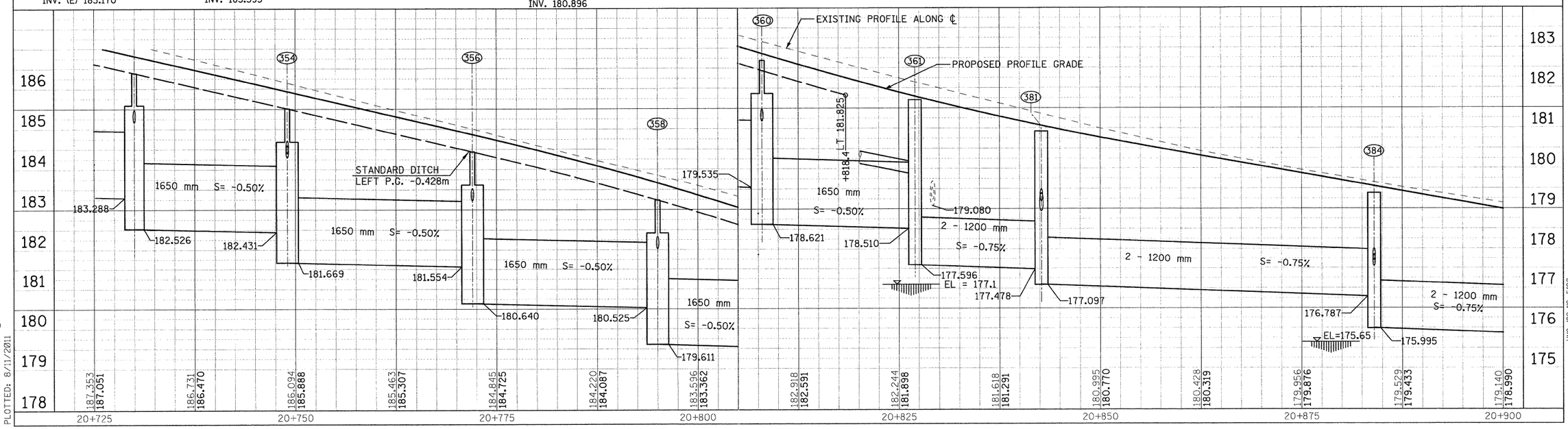
(380) INLET TY. B, TY. 1 FRAME, CL. LID
STA. 20+834.2, 9.5m RT.
GRATE 181.135
INV. (N) 179.732
INV. (E) 180.037

(381) JUNCTION BOX #2
STA. 20+842.7, 5.150m RT.
GRATE 180.939
INV. (N) 177.097
INV. (E) 179.163
INV. (S) 177.478
INV. (W) 178.941

(382) INLET TY. A, TY. 11V F&G
STA. 20+863.5, 9.335m RT.
GRATE 180.084
INV. 179.195

(383) INLET TY. B, TY. 11V F&G
STA. 20+883.7, 9.185m RT.
GRATE 179.368
INV. 177.777

(384) JUNCTION BOX #3
STA. 20+884, 5.150m RT.
GRATE 179.405
INV. (S) 176.787
INV. (N) 175.995
INV. (E) 177.701
INV. (W) 177.551



FILE: 420stm47_17.dgn
PLOTTED: 8/11/2011
HMG JOB NO. 5122

CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	421
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

SCALE IN METERS
0 5 10 15

P385 STORM SEWER, CL.A, R.G., 300
15.864m AT 2.49%

P386 STORM SEWER, CL.A, R.G., 300
2.122m AT 2.50%

P387 STORM SEWER, CL.A, R.G., 300
1.142m AT 4.00%

P389 STORM SEWER, CL.B, R.G., 1200
2 - 39.877m AT 0.75%

P390 STORM SEWER, CL.A, R.G., 300
11.692m AT 2.00%

P391 STORM SEWER, CL.A, R.G., 300
0.970m AT 4.70%

P392 STORM SEWER, CL.A, R.G., 300
14.364m AT 2.50%

P394 STORM SEWER, CL.A, R.G., 300
5.055m AT 2.00%

P395 STORM SEWER, CL.A, R.G., 300
4.182m AT 4.00%

P396 STORM SEWER, CL.A, R.G., 300
4.667m AT 4.00%

P397 STORM SEWER, CL.A, R.G., 300
13.612m AT 4.00 %

P398 STORM SEWER, CL.A, R.G., 1050
3 - 40.940m AT 0.54%

P417 STORM SEWER, CL.A, R.G., 300
2.571m AT 1.00%

P418 STORM SEWER, CL.A, R.G., 300
2.181m AT 1.00%

P419 STORM SEWER, CL.A, R.G., 300
7.497m AT 1.00%

P420 STORM SEWER, CL.A, R.G., 300
9.689m AT 1.00%

HYDRAULIC AVE.
PC 20+930.534
PRC 20+961.009
PT 20+991.460
MATCHLINE STA. 20+900
MATCHLINE STA. 21+075
PROP. TEMP. EASEMENT
EXIST. R.O.W.
PROPOSED ℄ FAP 326 (IL 47)
PIPE UNDERDRAIN, 100mm
EXIST. P.O.W.
6.3m
5.7m
12.4m

385 INLET TY. A, TY. 11V F&G
STA. 20+904.5, 9.335m RT.
GRATE 178.643
INV. 177.754

386 INLET TY. A, TY. 11V F&G
STA. 20+923.755, 9.335m RT.
GRATE 178.302
INV. 177.413

387 INLET TY. B, TY. 11V F&G
STA. 20+921, 9.185m RT.
GRATE 178.291
INV. (W) 176.734
INV. (N) 177.344

389 JUNCTION BOX #4
STA. 20+921.3, 5.3m RT.
GRATE 178.332
INV. (N) 175.106
INV. (S) 175.715
INV. (E) 176.673
INV. (W) 176.636

390 INLET TY. B, TY. 11V F&G
STA. 20+921, 9.186m LT.
GRATE 178.293
INV. (N,S) 177.335
INV. (W) 176.878

391 INLET TY. A, TY. 11V F&G
STA. 20+922.6, 9.336m LT.
GRATE 178.300
INV. 177.411

392 INLET TY. A, TY. 11V F&G
STA. 20+906, 9.336m LT.
GRATE 178.599
INV. 177.710

394 INLET TY. A, TY. 11V F&G
STA. 20+951.182, 10.112m RT.
GRATE 177.878
INV. 176.989

395 INLET TY. B, TY. 11V F&G
STA. 20+956.798, 9.187m RT.
GRATE 177.902
INV. (E) 176.570
INV. (S) 176.875

396 INLET TY. B,
TY. 1 FRAME, CL. LID
STA. 20+958.155, 14m RT.
GRATE 177.579
INV. (W) 176.370
INV. (E) 175.761

397 INLET TY. B, TY. 3V F&G
STA. 20+943.769, 23.039m RT.
GRATE 177.861
INV. (N) 176.134

398 JUNCTION BOX #5
STA. 20+959.465, 21.873m RT.
GRATE 177.314
INV. (S) 174.794
INV. (N) 174.585
SUMP 174.135

399 OUTLET STRUCTURE
STA. 21+005.659, 19.921m RT.
INV. 174.238

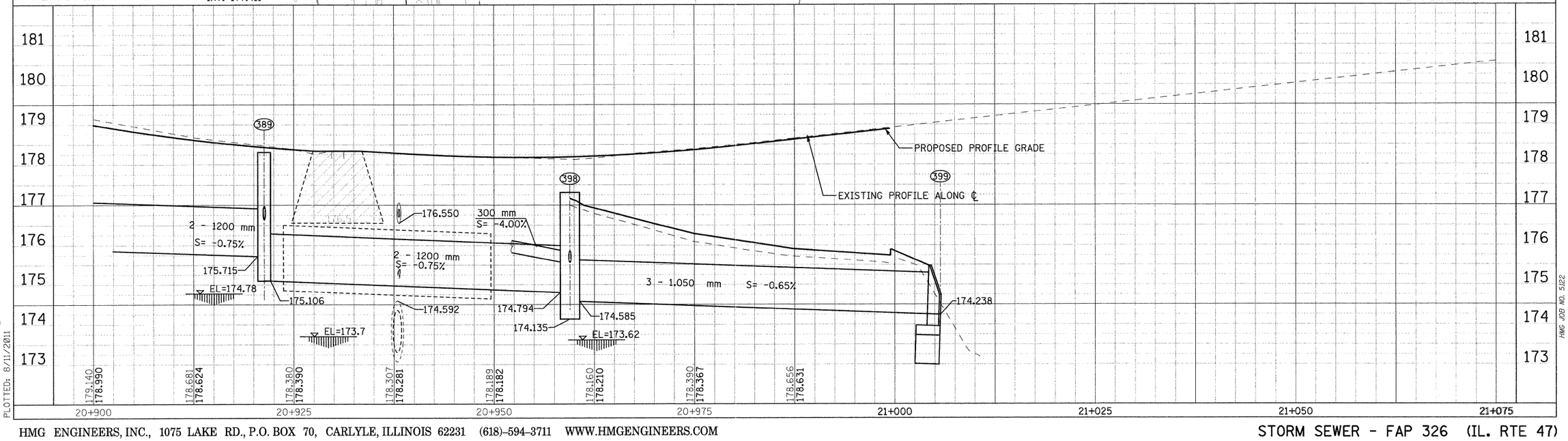
416 CONNECT TO EX. INLET
STA. 20+956.891, 10.526m LT.
GRATE 177.948
INV. (S) 176.715
INV. (N) 176.714

417 INLET TY. B, TY. 11V F&G
STA. 20+953.8, 9.134m LT.
GRATE 177.943
INV. (S) 176.789
INV. (N) 176.749

418 INLET TY. B, TY. 11V F&G
STA. 20+950.8, 9.178m LT.
GRATE 177.946
INV. 176.819

419 INLET TY. B,
TY. 1 FRAME, CL. LID
STA. 20+942.5, 9.701m LT.
GRATE 178.097
INV. 176.902

420 INLET TY. A, TY. 11V F&G
STA. 20+940.928, 19.906m LT.
GRATE 177.894
INV. 177.005



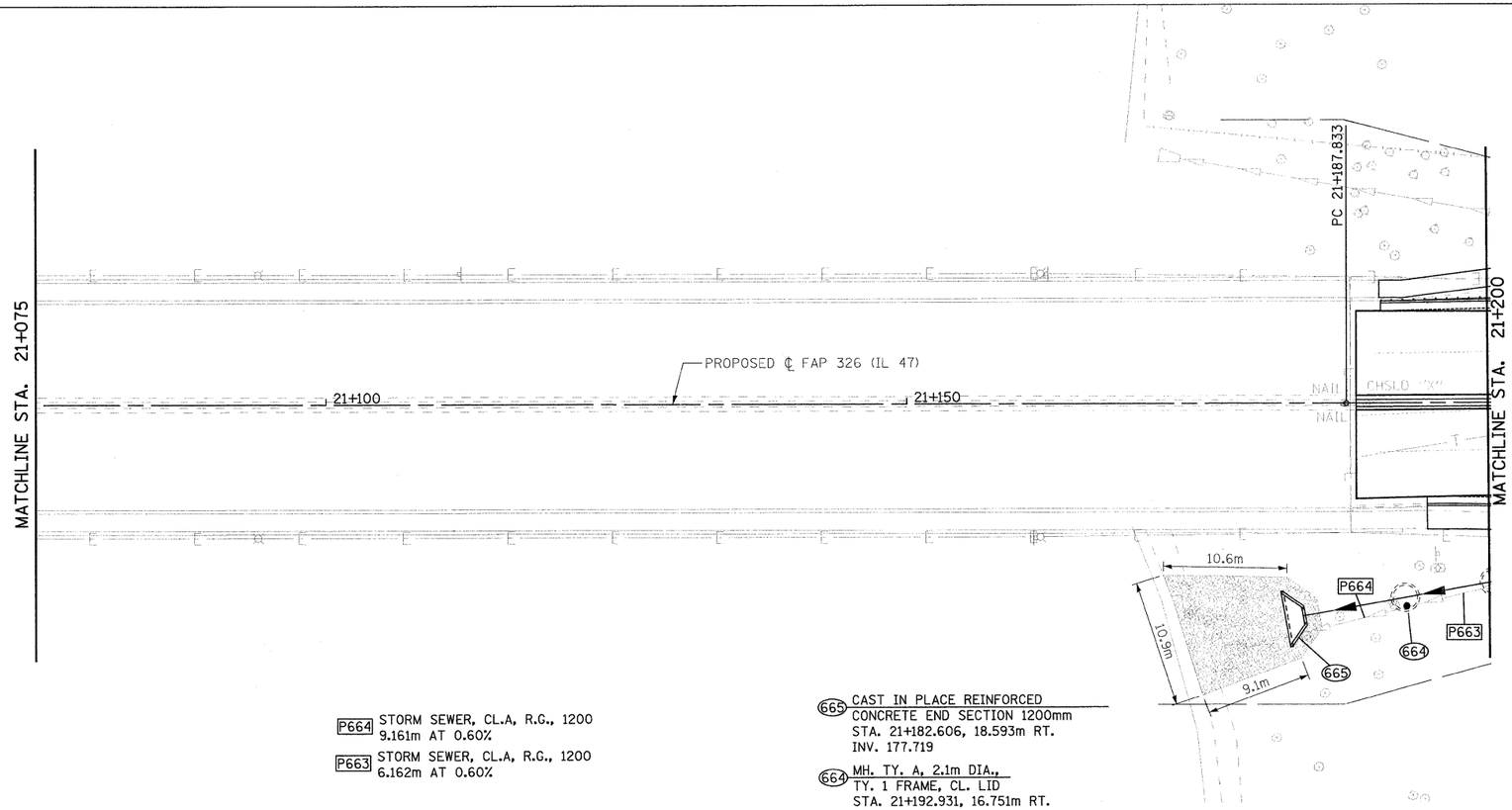
FILE: 421stm47_18.dgn
PLOTTED: 8/11/2011
HMG JOB NO. 5122

HMG ENGINEERS, INC., 1075 LAKE RD., P.O. BOX 70, CARLYLE, ILLINOIS 62231 (618)-594-3711 WWW.HMGENGINEERS.COM

STORM SEWER - FAP 326 (IL. RTE 47)

CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	422
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



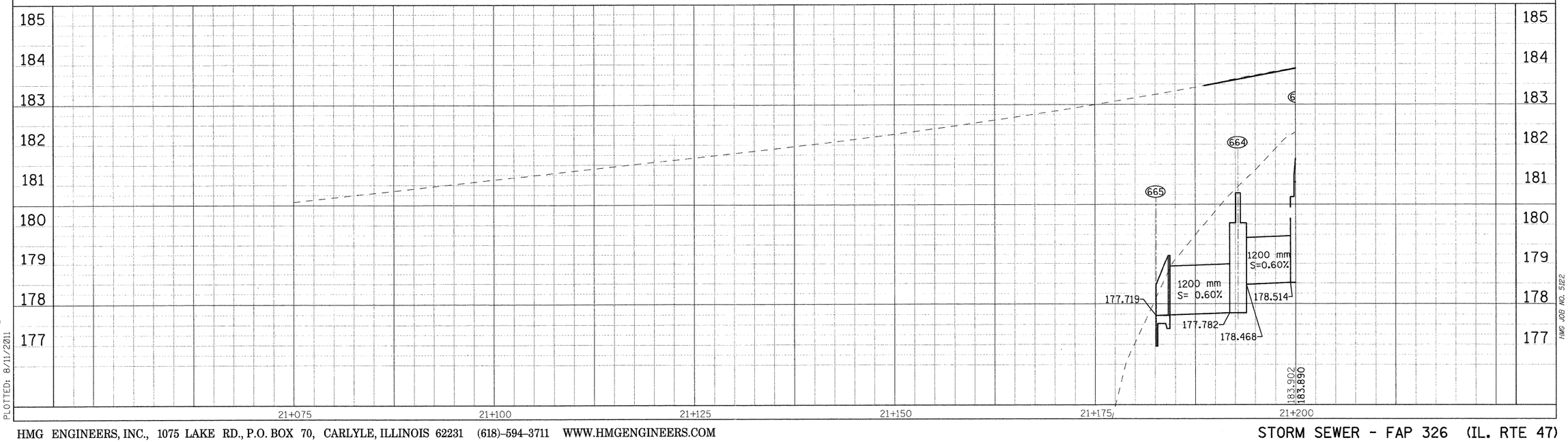
P664 STORM SEWER, CL.A, R.C., 1200
9.161m AT 0.60%

P663 STORM SEWER, CL.A, R.C., 1200
6.162m AT 0.60%

665 CAST IN PLACE REINFORCED
CONCRETE END SECTION 1200mm
STA. 21+182.606, 18.593m RT.
INV. 177.719

664 MH. TY. A, 2.1m DIA.,
TY. 1 FRAME, CL. LID
STA. 21+192.931, 16.751m RT.
GRATE 180.786
INV. (N) 178.468
INV. (S) 177.782

SCALE IN METERS
0 5 10 15



FILE: 422stm47.19.dgn
PLOTTED: 8/11/2011

HMG JOB NO. 5122

HMG ENGINEERS, INC., 1075 LAKE RD., P.O. BOX 70, CARLYLE, ILLINOIS 62231 (618)-594-3711 WWW.HMGENGINEERS.COM

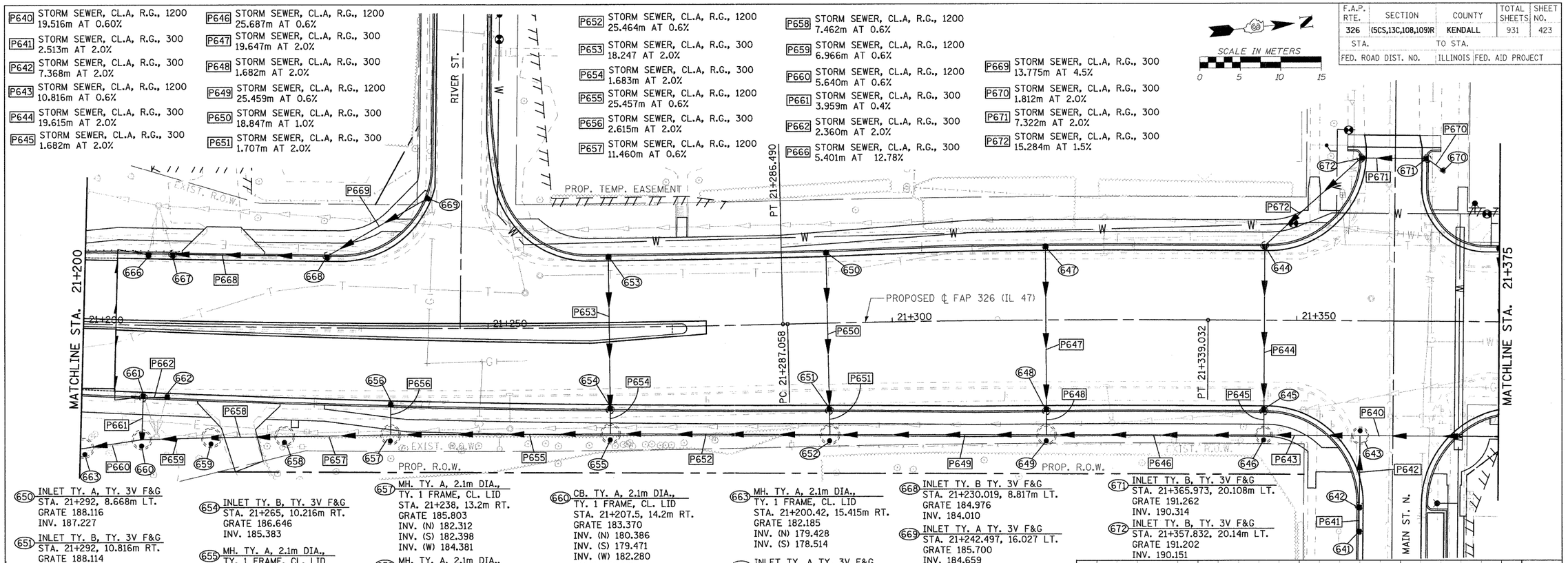
STORM SEWER - FAP 326 (IL. RTE 47)

CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	423
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

SCALE IN METERS
0 5 10 15

P640 STORM SEWER, CL.A, R.G., 1200 19.516m AT 0.60%
P641 STORM SEWER, CL.A, R.G., 300 2.513m AT 2.0%
P642 STORM SEWER, CL.A, R.G., 300 7.368m AT 2.0%
P643 STORM SEWER, CL.A, R.G., 1200 10.816m AT 0.6%
P644 STORM SEWER, CL.A, R.G., 300 19.615m AT 2.0%
P645 STORM SEWER, CL.A, R.G., 300 1.682m AT 2.0%
P646 STORM SEWER, CL.A, R.G., 1200 25.687m AT 0.6%
P647 STORM SEWER, CL.A, R.G., 300 19.647m AT 2.0%
P648 STORM SEWER, CL.A, R.G., 300 1.682m AT 2.0%
P649 STORM SEWER, CL.A, R.G., 1200 25.459m AT 0.6%
P650 STORM SEWER, CL.A, R.G., 300 18.847m AT 1.0%
P651 STORM SEWER, CL.A, R.G., 300 1.707m AT 2.0%
P652 STORM SEWER, CL.A, R.G., 1200 25.464m AT 0.6%
P653 STORM SEWER, CL.A, R.G., 300 18.247 AT 2.0%
P654 STORM SEWER, CL.A, R.G., 300 1.683m AT 2.0%
P655 STORM SEWER, CL.A, R.G., 1200 25.457m AT 0.6%
P656 STORM SEWER, CL.A, R.G., 300 2.615m AT 2.0%
P657 STORM SEWER, CL.A, R.G., 1200 11.460m AT 0.6%
P658 STORM SEWER, CL.A, R.G., 1200 7.462m AT 0.6%
P659 STORM SEWER, CL.A, R.G., 1200 6.966m AT 0.6%
P660 STORM SEWER, CL.A, R.G., 1200 5.640m AT 0.6%
P661 STORM SEWER, CL.A, R.G., 300 3.959m AT 0.4%
P662 STORM SEWER, CL.A, R.G., 300 2.360m AT 2.0%
P666 STORM SEWER, CL.A, R.G., 300 5.401m AT 12.78%
P669 STORM SEWER, CL.A, R.G., 300 13.775m AT 4.5%
P670 STORM SEWER, CL.A, R.G., 300 1.812m AT 2.0%
P671 STORM SEWER, CL.A, R.G., 300 7.322m AT 2.0%
P672 STORM SEWER, CL.A, R.G., 300 15.284m AT 1.5%



650 INLET TY. A, TY. 3V F&G
STA. 21+292, 8.668m LT.
GRATE 188.116
INV. 187.227

651 INLET TY. B, TY. 3V F&G
STA. 21+292, 10.816m RT.
GRATE 188.114
INV. 187.032

652 MH. TY. A, 2.1m DIA.,
TY. 1 FRAME, CL. LID
STA. 21+292, 13.824m RT.
GRATE 188.380
INV. (N) 185.465
INV. (S) 184.550
INV. (W) 186.972

653 INLET TY. A, TY. 3V F&G
STA. 21+265, 8.668m LT.
GRATE 186.650
INV. (E) 185.761

654 INLET TY. B, TY. 3V F&G
STA. 21+265, 10.216m RT.
GRATE 186.646
INV. 185.383

655 MH. TY. A, 2.1m DIA.,
TY. 1 FRAME, CL. LID
STA. 21+265, 13.2m RT.
GRATE 186.911
INV. (N) 184.388
INV. (S) 183.474
INV. (W) 185.324

656 INLET TY. A, TY. 3V F&G
STA. 21+238, 9.466m RT.
GRATE 185.345
INV. 184.456

657 MH. TY. A, 2.1m DIA.,
TY. 1 FRAME, CL. LID
STA. 21+238, 13.2m RT.
GRATE 185.803
INV. (N) 182.312
INV. (S) 182.398
INV. (W) 184.381

658 MH. TY. A, 2.1m DIA.,
TY. 1 FRAME, CL. LID
STA. 21+225, 13.5m RT.
GRATE 185.006
INV. (N) 182.320
INV. (S) 181.405

659 MH. TY. A, 2.1m DIA.,
TY. 1 FRAME, CL. LID
STA. 21+216, 13.8m RT.
GRATE 184.506
INV. (N) 181.351
INV. (S) 180.437

660 CB. TY. A, 2.1m DIA.,
TY. 1 FRAME, CL. LID
STA. 21+207.5, 14.2m RT.
GRATE 183.370
INV. (N) 180.386
INV. (S) 179.471
INV. (W) 182.280
SUMP 179.021

661 INLET TY. B, TY. 3V F&G
STA. 21+207.511, 8.940m RT.
GRATE 184.003
INV. 182.490

662 INLET TY. A, TY. 3V F&G
STA. 21+210.507, 8.856m RT.
GRATE 184.125
INV. 183.160

663 MH. TY. A, 2.1m DIA.,
TY. 1 FRAME, CL. LID
STA. 21+200.42, 15.415m RT.
GRATE 182.185
INV. (N) 179.428
INV. (S) 178.514

666 INLET TY. A TY. 3V F&G
STA. 21+207.834, 8.665m LT.
GRATE 184.005
INV. 183.13

667 INLET TY. B, TY. 3V F&G
STA. 21+210.847, 8.815m LT.
GRATE 184.131
INV. (W) 183.277
INV. (N) 183.147

668 INLET TY. B TY. 3V F&G
STA. 21+230.019, 8.817m LT.
GRATE 184.976
INV. 184.010

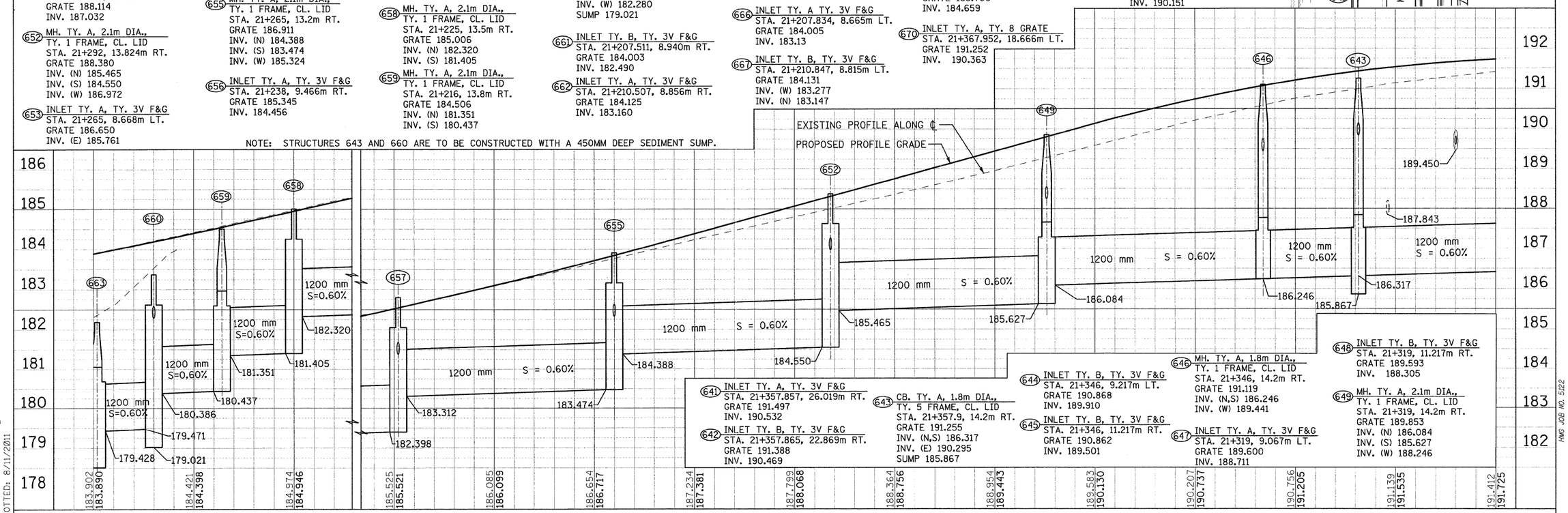
669 INLET TY. A TY. 3V F&G
STA. 21+242.497, 16.027 LT.
GRATE 185.700
INV. 184.659

670 INLET TY. A, TY. 8 GRATE
STA. 21+367.952, 18.666m LT.
GRATE 191.252
INV. 190.363

671 INLET TY. B, TY. 3V F&G
STA. 21+365.973, 20.108m LT.
GRATE 191.262
INV. 190.314

672 INLET TY. B, TY. 3V F&G
STA. 21+357.832, 20.14m LT.
GRATE 191.202
INV. 190.151

NOTE: STRUCTURES 643 AND 660 ARE TO BE CONSTRUCTED WITH A 450MM DEEP SEDIMENT SUMP.



641 INLET TY. A, TY. 3V F&G
STA. 21+357.857, 26.019m RT.
GRATE 191.497
INV. 190.532

642 INLET TY. B, TY. 3V F&G
STA. 21+357.865, 22.869m RT.
GRATE 191.388
INV. 190.469

643 CB. TY. A, 1.8m DIA.,
TY. 5 FRAME, CL. LID
STA. 21+357.9, 14.2m RT.
GRATE 191.255
INV. (N,S) 186.317
INV. (E) 190.295
SUMP 185.867

644 INLET TY. B, TY. 3V F&G
STA. 21+346, 9.217m LT.
GRATE 190.868
INV. 189.910

645 INLET TY. B, TY. 3V F&G
STA. 21+346, 11.217m RT.
GRATE 190.862
INV. 189.501

646 MH. TY. A, 1.8m DIA.,
TY. 1 FRAME, CL. LID
STA. 21+346, 14.2m RT.
GRATE 191.119
INV. (N,S) 186.246
INV. (W) 189.441

647 INLET TY. A, TY. 3V F&G
STA. 21+319, 9.067m LT.
GRATE 189.600
INV. 188.711

648 INLET TY. B, TY. 3V F&G
STA. 21+319, 11.217m RT.
GRATE 189.593
INV. 188.305

649 MH. TY. A, 2.1m DIA.,
TY. 1 FRAME, CL. LID
STA. 21+319, 14.2m RT.
GRATE 189.853
INV. (N) 186.084
INV. (S) 185.627
INV. (W) 188.246

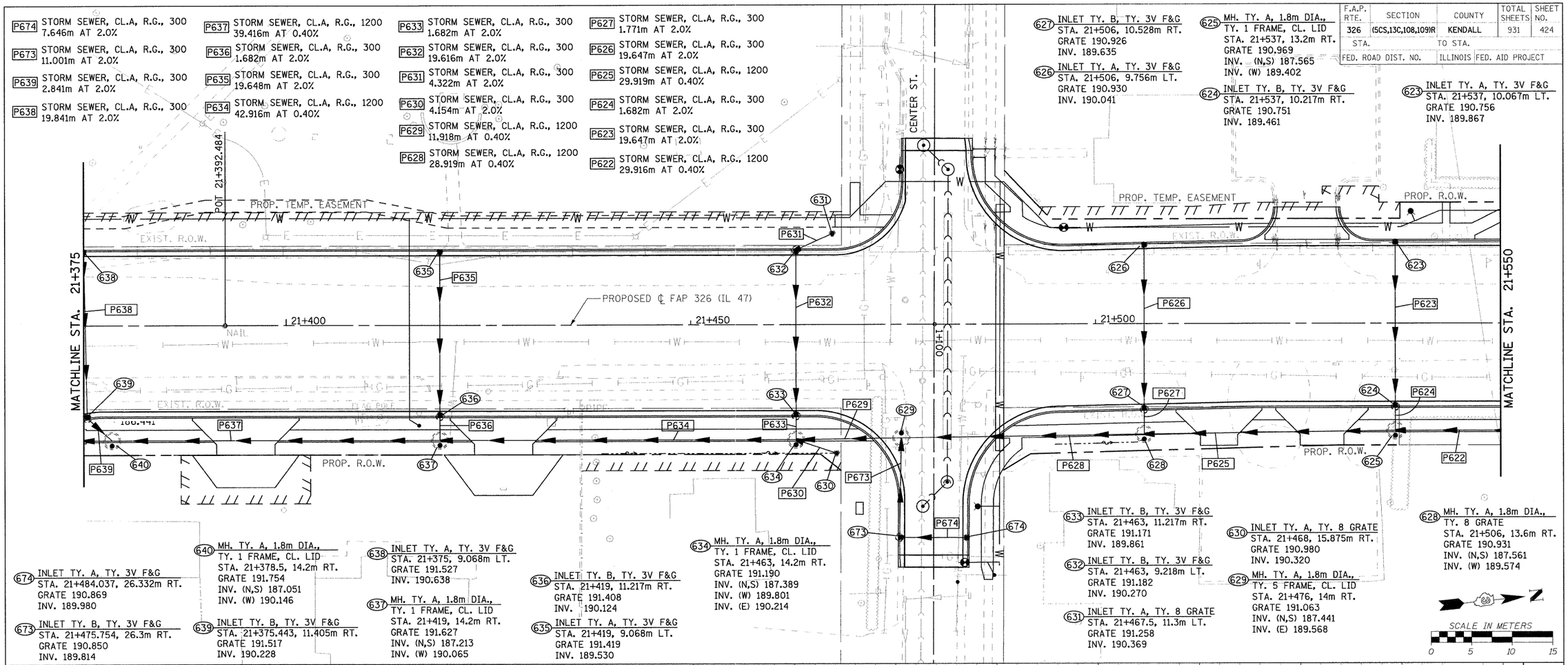
FILE: 423stm47.20.dgn
PLOTTED: 8/11/2011

HMG JOB NO. 5122

CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	424
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

P674 STORM SEWER, CL.A, R.G., 300 7.646m AT 2.0%
P673 STORM SEWER, CL.A, R.G., 300 11.001m AT 2.0%
P639 STORM SEWER, CL.A, R.G., 300 2.841m AT 2.0%
P638 STORM SEWER, CL.A, R.G., 300 19.841m AT 2.0%
P637 STORM SEWER, CL.A, R.G., 1200 39.416m AT 0.40%
P636 STORM SEWER, CL.A, R.G., 300 1.682m AT 2.0%
P635 STORM SEWER, CL.A, R.G., 300 19.648m AT 2.0%
P634 STORM SEWER, CL.A, R.G., 1200 42.916m AT 0.40%
P633 STORM SEWER, CL.A, R.G., 300 1.682m AT 2.0%
P632 STORM SEWER, CL.A, R.G., 300 19.616m AT 2.0%
P631 STORM SEWER, CL.A, R.G., 300 4.322m AT 2.0%
P630 STORM SEWER, CL.A, R.G., 300 4.154m AT 2.0%
P629 STORM SEWER, CL.A, R.G., 1200 11.918m AT 0.40%
P628 STORM SEWER, CL.A, R.G., 1200 28.919m AT 0.40%
P627 STORM SEWER, CL.A, R.G., 300 1.771m AT 2.0%
P626 STORM SEWER, CL.A, R.G., 300 19.647m AT 2.0%
P625 STORM SEWER, CL.A, R.G., 1200 29.919m AT 0.40%
P624 STORM SEWER, CL.A, R.G., 300 1.682m AT 2.0%
P623 STORM SEWER, CL.A, R.G., 300 19.647m AT 2.0%
P622 STORM SEWER, CL.A, R.G., 1200 29.916m AT 0.40%



627 INLET TY. B, TY. 3V F&G
STA. 21+506, 10.528m RT.
GRATE 190.926
INV. 189.635

626 INLET TY. A, TY. 3V F&G
STA. 21+506, 9.756m LT.
GRATE 190.930
INV. 190.041

625 MH. TY. A, 1.8m DIA.,
TY. 1 FRAME, CL. LID
STA. 21+537, 13.2m RT.
GRATE 190.969
INV. (N,S) 187.565
INV. (W) 189.402

624 INLET TY. B, TY. 3V F&G
STA. 21+537, 10.217m RT.
GRATE 190.751
INV. 189.461

623 INLET TY. A, TY. 3V F&G
STA. 21+537, 10.067m LT.
GRATE 190.756
INV. 189.867

674 INLET TY. A, TY. 3V F&G
STA. 21+484.037, 26.332m RT.
GRATE 190.869
INV. 189.980

673 INLET TY. B, TY. 3V F&G
STA. 21+475.754, 26.3m RT.
GRATE 190.850
INV. 189.814

640 MH. TY. A, 1.8m DIA.,
TY. 1 FRAME, CL. LID
STA. 21+378.5, 14.2m RT.
GRATE 191.754
INV. (N,S) 187.051
INV. (W) 190.146

639 INLET TY. B, TY. 3V F&G
STA. 21+375.443, 11.405m RT.
GRATE 191.517
INV. 190.228

638 INLET TY. A, TY. 3V F&G
STA. 21+375, 9.068m LT.
GRATE 191.527
INV. 190.638

637 MH. TY. A, 1.8m DIA.,
TY. 1 FRAME, CL. LID
STA. 21+419, 14.2m RT.
GRATE 191.627
INV. (N,S) 187.213
INV. (W) 190.065

636 INLET TY. B, TY. 3V F&G
STA. 21+419, 11.217m RT.
GRATE 191.408
INV. 190.124

635 INLET TY. A, TY. 3V F&G
STA. 21+419, 9.068m LT.
GRATE 191.419
INV. 189.530

634 MH. TY. A, 1.8m DIA.,
TY. 1 FRAME, CL. LID
STA. 21+463, 14.2m RT.
GRATE 191.190
INV. (N,S) 187.389
INV. (W) 189.801
INV. (E) 190.214

633 INLET TY. B, TY. 3V F&G
STA. 21+463, 11.217m RT.
GRATE 191.171
INV. 189.861

632 INLET TY. B, TY. 3V F&G
STA. 21+463, 9.218m LT.
GRATE 191.182
INV. 190.270

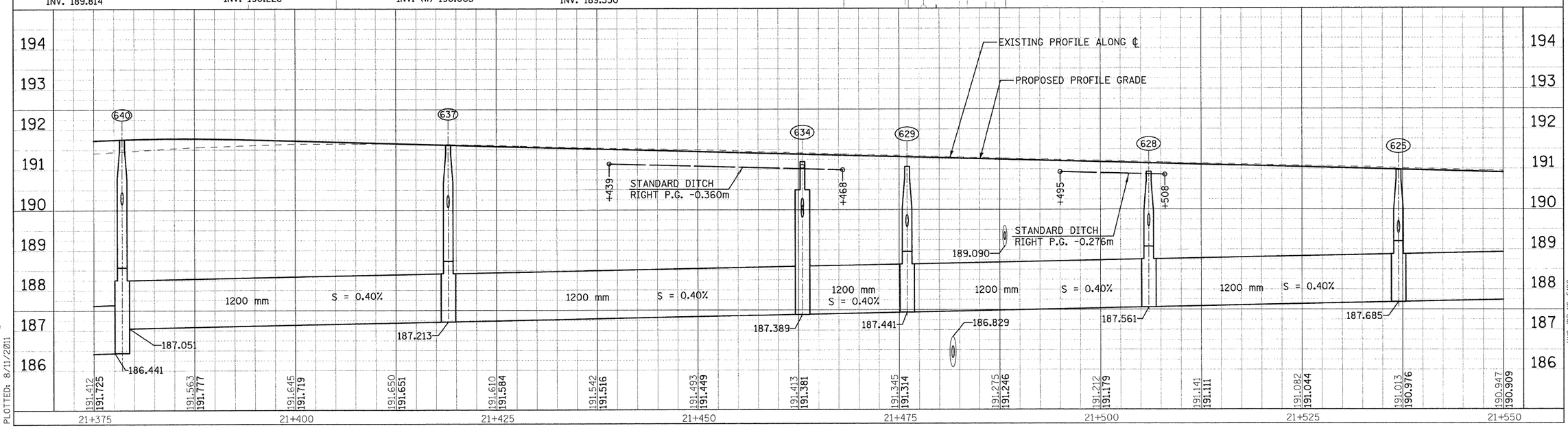
631 INLET TY. A, TY. 8 GRATE
STA. 21+467.5, 11.3m LT.
GRATE 191.258
INV. 190.369

630 INLET TY. A, TY. 8 GRATE
STA. 21+468, 15.875m RT.
GRATE 190.980
INV. 190.320

629 MH. TY. A, 1.8m DIA.,
TY. 5 FRAME, CL. LID
STA. 21+476, 14m RT.
GRATE 191.063
INV. (N,S) 187.441
INV. (E) 189.568

628 MH. TY. A, 1.8m DIA.,
TY. 8 GRATE
STA. 21+506, 13.6m RT.
GRATE 190.931
INV. (N,S) 187.561
INV. (W) 189.574

SCALE IN METERS
0 5 10 15



FILE: 424stm47_21.dgn
PLOTTED: 8/11/2011

HMG JOB NO. 5122

HMG ENGINEERS, INC., 1075 LAKE RD., P.O. BOX 70, CARLYLE, ILLINOIS 62231 (618)-594-3711 WWW.HMGENGINEERS.COM

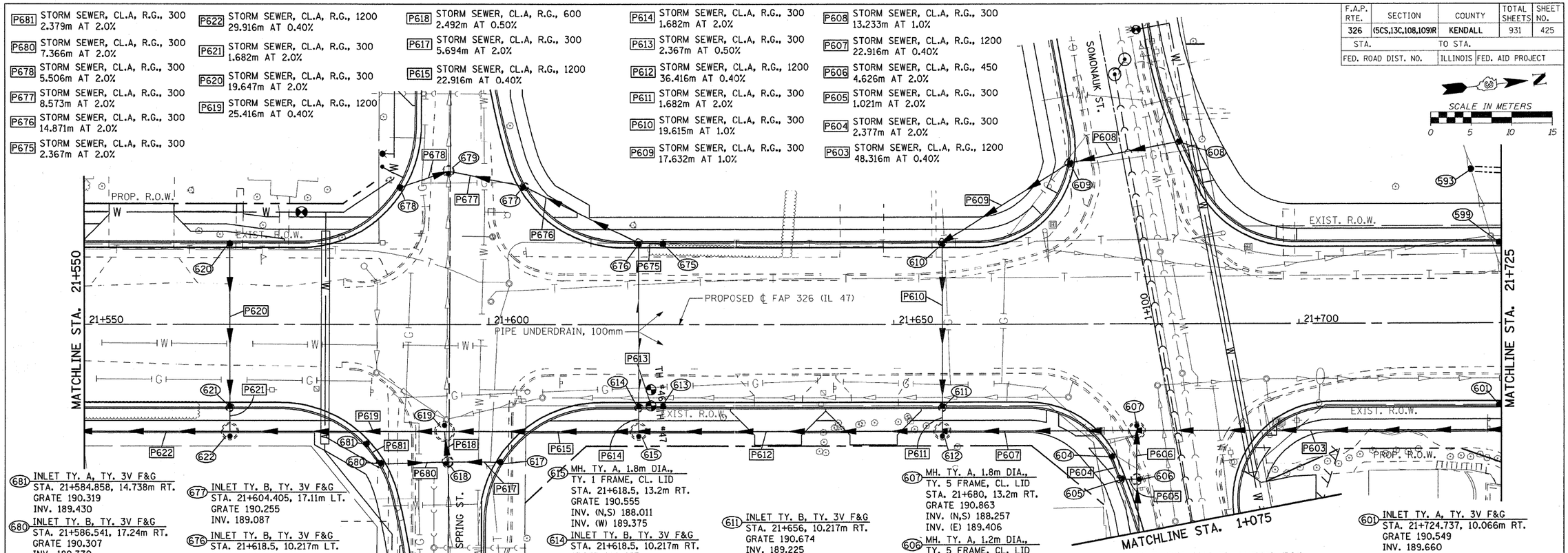
STORM SEWER - FAP 326 (IL. RTE 47)

Sheet: 21
Angle: 83.307
Chain: P-1127

CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	425
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

P681 STORM SEWER, CL.A, R.G., 300 2.379m AT 2.0%
P680 STORM SEWER, CL.A, R.G., 300 7.366m AT 2.0%
P678 STORM SEWER, CL.A, R.G., 300 5.506m AT 2.0%
P677 STORM SEWER, CL.A, R.G., 300 8.573m AT 2.0%
P676 STORM SEWER, CL.A, R.G., 300 14.871m AT 2.0%
P675 STORM SEWER, CL.A, R.G., 300 2.367m AT 2.0%
P622 STORM SEWER, CL.A, R.G., 1200 29.916m AT 0.40%
P621 STORM SEWER, CL.A, R.G., 300 1.682m AT 2.0%
P620 STORM SEWER, CL.A, R.G., 300 19.647m AT 2.0%
P619 STORM SEWER, CL.A, R.G., 1200 25.416m AT 0.40%
P618 STORM SEWER, CL.A, R.G., 600 2.492m AT 0.50%
P617 STORM SEWER, CL.A, R.G., 300 5.694m AT 2.0%
P615 STORM SEWER, CL.A, R.G., 1200 22.916m AT 0.40%
P614 STORM SEWER, CL.A, R.G., 300 1.682m AT 2.0%
P613 STORM SEWER, CL.A, R.G., 300 2.367m AT 0.50%
P612 STORM SEWER, CL.A, R.G., 1200 36.416m AT 0.40%
P611 STORM SEWER, CL.A, R.G., 300 1.682m AT 2.0%
P610 STORM SEWER, CL.A, R.G., 300 19.615m AT 1.0%
P609 STORM SEWER, CL.A, R.G., 300 17.632m AT 1.0%
P608 STORM SEWER, CL.A, R.G., 300 13.233m AT 1.0%
P607 STORM SEWER, CL.A, R.G., 1200 22.916m AT 0.40%
P606 STORM SEWER, CL.A, R.G., 450 4.626m AT 2.0%
P605 STORM SEWER, CL.A, R.G., 300 1.021m AT 2.0%
P604 STORM SEWER, CL.A, R.G., 300 2.377m AT 2.0%
P603 STORM SEWER, CL.A, R.G., 1200 48.316m AT 0.40%



(681) INLET TY. A, TY. 3V F&G
STA. 21+584.858, 14.738m RT.
GRATE 190.319
INV. 189.430

(680) INLET TY. B, TY. 3V F&G
STA. 21+586.541, 17.24m RT.
GRATE 190.307
INV. 189.370

(679) MH. TY. A, 1.2m DIA.,
TY. 5 FRAME, CL. LID
STA. 21+595.036, 19m LT.
GRATE 190.453
INV. (N) 188.896
INV. (W) 187.973
INV. (S) 189.336

(678) INLET TY. A, TY. 3V F&G
STA. 21+589.060, 16.981m LT.
GRATE 190.351
INV. 189.462

(677) INLET TY. B, TY. 3V F&G
STA. 21+604.405, 17.11m LT.
GRATE 190.255
INV. 189.087

(676) INLET TY. B, TY. 3V F&G
STA. 21+618.5, 10.217m LT.
GRATE 190.342
INV. 189.401

(675) INLET TY. A, TY. 3V F&G
STA. 21+621.5, 10.068m LT.
GRATE 190.350
INV. 189.461

(622) MH. TY. A, 1.8m DIA.,
TY. 1 FRAME, CL. LID
STA. 21+568 13.2m RT.
GRATE 190.802
INV. (N,S) 187.809
INV. (W) 189.235

(621) INLET TY. B, TY. 3V F&G
STA. 21+568, 10.217m RT.
GRATE 190.584
INV. 189.294

(620) INLET TY. A, TY. 3V F&G
STA. 21+568, 10.067m LT.
GRATE 190.589
INV. 189.700

(619) MH. TY. A, 1.8m DIA.,
TY. 5 FRAME, CL. LID
STA. 21+594.5, 13.2m RT.
GRATE 190.446
INV. (N,S) 187.915
INV. (E) 188.037

(618) MH. TY. A, 1.2m DIA.,
TY. 5 FRAME, CL. LID
STA. 21+594.887, 16.979m RT.
GRATE 190.438
INV. (N) 189.319
INV. (W) 188.056
INV. (S) 189.203

(617) INLET TY. A, TY. 3V F&G
STA. 21+601.383, 17.022m RT.
GRATE 190.338
INV. 189.449

(615) MH. TY. A, 1.8m DIA.,
TY. 1 FRAME, CL. LID
STA. 21+618.5, 13.2m RT.
GRATE 190.555
INV. (N,S) 188.011
INV. (W) 189.375

(614) INLET TY. B, TY. 3V F&G
STA. 21+618.5, 10.217m RT.
GRATE 190.337
INV. 189.435

(613) INLET TY. A, TY. 3V F&G
STA. 21+621.5, 10.067m RT.
GRATE 190.339
INV. 189.450

(612) MH. TY. A, 1.8m DIA.,
TY. 1 FRAME, CL. LID
STA. 21+656, 13.2m RT.
GRATE 190.893
INV. (N,S) 188.161
INV. (W) 189.166

(611) INLET TY. B, TY. 3V F&G
STA. 21+656, 10.217m RT.
GRATE 190.674
INV. 189.225

(610) INLET TY. B, TY. 3V F&G
STA. 21+656, 10.217m LT.
GRATE 190.679
INV. 189.430

(609) INLET TY. B, TY. 3V F&G
STA. 21+671.668, 19.962m LT.
GRATE 190.658
INV. 189.614

(608) INLET TY. A, TY. 3V F&G
STA. 21+685.293, 22.554m LT.
GRATE 190.642
INV. 189.753

(607) MH. TY. A, 1.8m DIA.,
TY. 5 FRAME, CL. LID
STA. 21+680, 13.2m RT.
GRATE 190.863
INV. (N,S) 188.257
INV. (E) 189.406

(606) MH. TY. A, 1.2m DIA.,
TY. 5 FRAME, CL. LID
STA. 21+680, 19.228m RT.
GRATE 190.842
INV. (W) 189.527
INV. (S) 189.763
INV. (E) 189.527

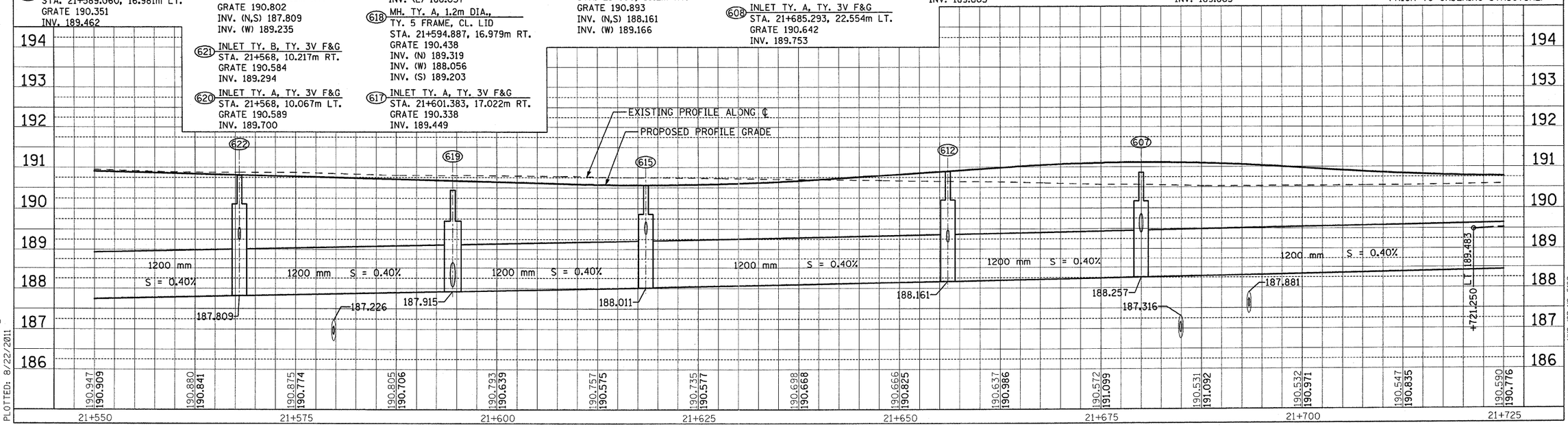
(605) INLET TY. B, TY. 3V F&G
STA. 21+677.995, 19.228m RT.
GRATE 190.774
INV. 189.803

(604) INLET TY. A, TY. 3V F&G
STA. 21+676.954, 16.4m RT.
GRATE 190.752
INV. 189.863

(601) INLET TY. A, TY. 3V F&G
STA. 21+724.737, 10.066m RT.
GRATE 190.549
INV. 189.660

(599) INLET TY. A, TY. 3V F&G
STA. 21+724.737, 10.068m LT.
GRATE 190.559
INV. 189.670

(593) INLET TY. A, TY. 8 GRATE
STA. 21+721.250, 19.129m LT.
GRATE 189.482
INV. 188.470 (VERIFY EX. PIPE ELEV. PRIOR TO ORDERING STRUCTURE)



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Chains: P_1L47
HMG JOB NO. 5122

HMG ENGINEERS, INC., 1075 LAKE RD., P.O. BOX 70, CARLYLE, ILLINOIS 62231 (618)-594-3711 WWW.HMGENGINEERS.COM

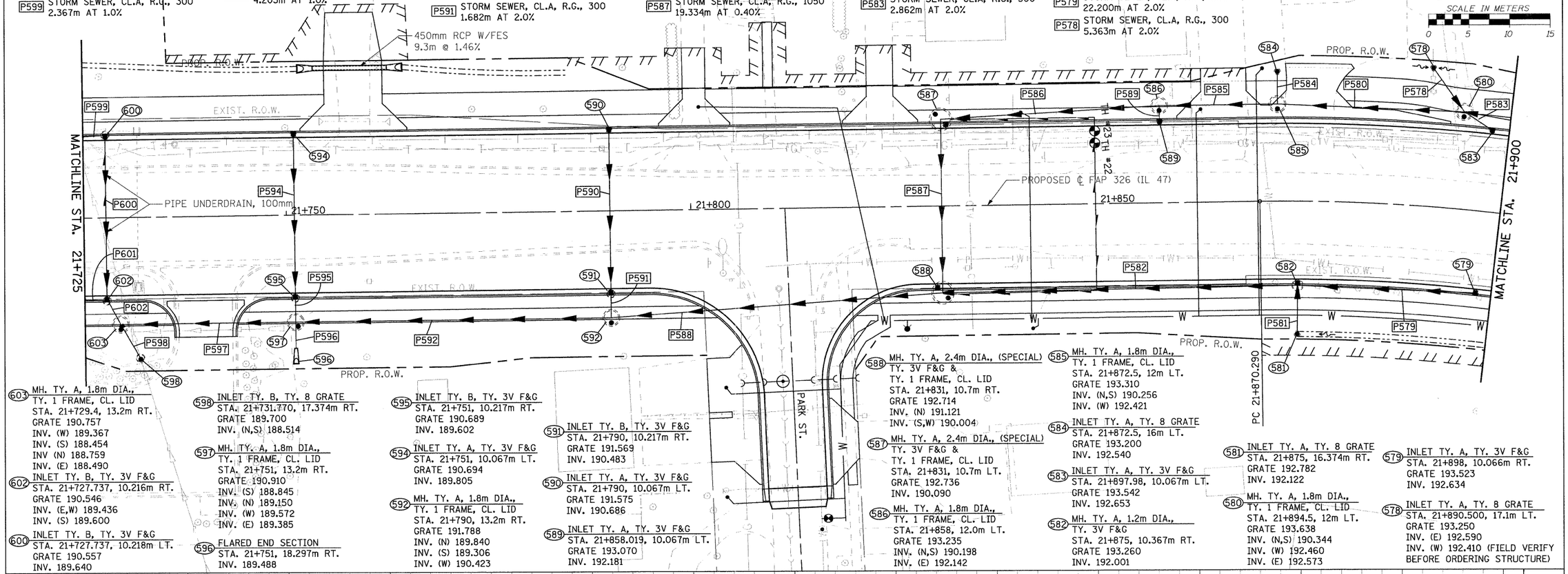
STORM SEWER - FAP 326 (IL. RTE 47)

CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	426
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

P602 STORM SEWER, CL.A, R.G., 300 2.115m AT 2.0%
P601 STORM SEWER, CL.A, R.G., 300 2.367m AT 2.0%
P600 STORM SEWER, CL.A, R.G., 300 19.615m AT 1.0%
P599 STORM SEWER, CL.A, R.G., 300 2.367m AT 1.0%
P598 STORM SEWER, CL.A, R.G., 450 3.582m AT 1.5%
P597 STORM SEWER, CL.A, R.G., 1050 20.309m AT 0.40%
P596 STORM SEWER, CL.A, R.G., 300 4.205m AT 1.0%
P595 STORM SEWER, CL.A, R.G., 300 1.682m AT 1.0%
P594 STORM SEWER, CL.A, R.G., 300 19.647m AT 1.0%
P592 STORM SEWER, CL.A, R.G., 1050 37.709m AT 0.4%
P591 STORM SEWER, CL.A, R.G., 300 1.682m AT 2.0%
P590 STORM SEWER, CL.A, R.G., 300 19.647m AT 1.0%
P589 STORM SEWER, CL.A, R.G., 300 0.814m AT 2.0%
P588 STORM SEWER, CL.A, R.G., 1050 39.398m AT 0.40%
P587 STORM SEWER, CL.A, R.G., 1050 19.334m AT 0.40%
P586 STORM SEWER, CL.A, R.G., 1050 25.353m AT 0.40%
P585 STORM SEWER, CL.A, R.G., 1050 13.209m AT 0.40%
P584 STORM SEWER, CL.A, R.G., 300 2.881m AT 2.97%
P583 STORM SEWER, CL.A, R.G., 300 2.862m AT 2.0%
P582 STORM SEWER, CL.A, R.G., 300 42.224m AT 2.0%
P581 STORM SEWER, CL.A, R.G., 300 5.205m AT 2.0%
P580 STORM SEWER, CL.A, R.G., 1050 20.709m AT 0.40%
P579 STORM SEWER, CL.A, R.G., 300 22.200m AT 2.0%
P578 STORM SEWER, CL.A, R.G., 300 5.363m AT 2.0%

SCALE IN METERS
0 5 10 15



603 MH. TY. A, 1.8m DIA., TY. 1 FRAME, CL. LID
STA. 21+729.4, 13.2m RT.
GRATE 190.757
INV. (W) 189.367
INV. (S) 188.454
INV (N) 188.759
INV. (E) 188.490

602 INLET TY. B, TY. 3V F&G
STA. 21+727.737, 10.216m RT.
GRATE 190.546
INV. (E,W) 189.436
INV. (S) 189.600

600 INLET TY. B, TY. 3V F&G
STA. 21+727.737, 10.218m LT.
GRATE 190.557
INV. 189.640

598 INLET TY. B, TY. 8 GRATE
STA. 21+731.770, 17.374m RT.
GRATE 189.700
INV. (N,S) 188.514

597 MH. TY. A, 1.8m DIA., TY. 1 FRAME, CL. LID
STA. 21+751, 13.2m RT.
GRATE 190.910
INV. (S) 188.845
INV. (N) 189.150
INV. (W) 189.572
INV. (E) 189.385

596 FLARED END SECTION
STA. 21+751, 18.297m RT.
INV. 189.488

595 INLET TY. B, TY. 3V F&G
STA. 21+751, 10.217m RT.
GRATE 190.689
INV. 189.602

594 INLET TY. A, TY. 3V F&G
STA. 21+751, 10.067m LT.
GRATE 190.694
INV. 189.805

592 MH. TY. A, 1.8m DIA., TY. 1 FRAME, CL. LID
STA. 21+790, 13.2m RT.
GRATE 191.788
INV. (N) 189.840
INV. (S) 189.306
INV. (W) 190.423

591 INLET TY. B, TY. 3V F&G
STA. 21+790, 10.217m RT.
GRATE 191.569
INV. 190.483

590 INLET TY. A, TY. 3V F&G
STA. 21+790, 10.067m LT.
GRATE 191.575
INV. 190.686

589 INLET TY. A, TY. 3V F&G
STA. 21+858.019, 10.067m LT.
GRATE 193.070
INV. 192.181

588 MH. TY. A, 2.4m DIA., (SPECIAL)
TY. 3V F&G &
TY. 1 FRAME, CL. LID
STA. 21+831, 10.7m RT.
GRATE 192.714
INV. (N) 191.121
INV. (S,W) 190.004

587 MH. TY. A, 2.4m DIA., (SPECIAL)
TY. 3V F&G &
TY. 1 FRAME, CL. LID
STA. 21+831, 10.7m LT.
GRATE 192.736
INV. 190.090

586 MH. TY. A, 1.8m DIA.,
TY. 1 FRAME, CL. LID
STA. 21+858, 12.0m LT.
GRATE 193.235
INV. (N,S) 190.198
INV. (E) 192.142

585 MH. TY. A, 1.8m DIA., TY. 1 FRAME, CL. LID
STA. 21+872.5, 12m LT.
GRATE 193.310
INV. (N,S) 190.256
INV. (W) 192.421

584 INLET TY. A, TY. 8 GRATE
STA. 21+872.5, 16m LT.
GRATE 193.200
INV. 192.540

583 INLET TY. A, TY. 3V F&G
STA. 21+897.98, 10.067m LT.
GRATE 193.542
INV. 192.653

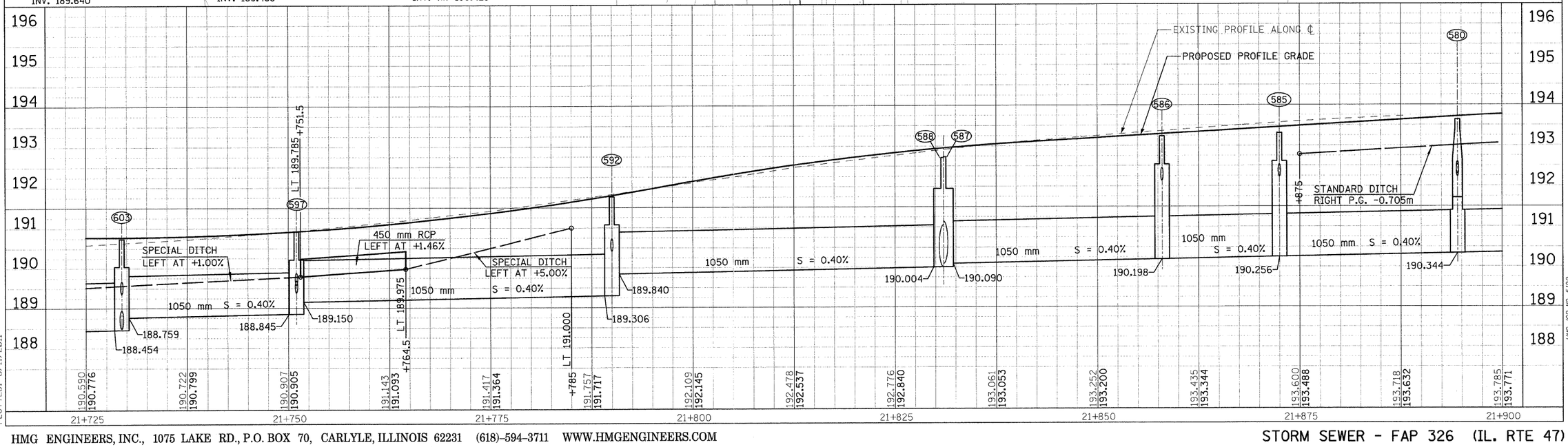
582 MH. TY. A, 1.2m DIA., TY. 3V F&G
STA. 21+875, 10.367m RT.
GRATE 193.260
INV. 192.001

581 INLET TY. A, TY. 8 GRATE
STA. 21+875, 16.374m RT.
GRATE 192.782
INV. 192.122

580 MH. TY. A, 1.8m DIA., TY. 1 FRAME, CL. LID
STA. 21+894.5, 12m LT.
GRATE 193.638
INV. (N,S) 190.344
INV. (W) 192.460
INV. (E) 192.573

579 INLET TY. A, TY. 3V F&G
STA. 21+898, 10.066m RT.
GRATE 193.523
INV. 192.634

578 INLET TY. A, TY. 8 GRATE
STA. 21+890.500, 17.1m LT.
GRATE 193.250
INV. (E) 192.590
INV. (W) 192.410 (FIELD VERIFY BEFORE ORDERING STRUCTURE)



FILE: 426stm47_23.dgn
PLOTTED: 8/11/2011
HMG JOB NO. 5122

HMG ENGINEERS, INC., 1075 LAKE RD., P.O. BOX 70, CARLYLE, ILLINOIS 62231 (618)-594-3711 WWW.HMGENGINEERS.COM

STORM SEWER - FAP 326 (IL. RTE 47)

CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	427
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

P577 STORM SEWER, CL.A, R.G., 1050
40.709m AT 0.40%

P576 STORM SEWER, CL.A, R.G., 1050
25.357m AT 0.40%

P575 STORM SEWER, CL.A, R.G., 300
20.378m AT 2.0%

P574 STORM SEWER, CL.A, R.G., 300
3.614m AT 2.0%

P573 STORM SEWER, CL.A, R.G., 300
11.029m AT 2.0%

P572 STORM SEWER, CL.A, R.G., 300
3.105m AT 2.0%

P571 STORM SEWER, CL.A, R.G., 300
3.742m AT 2.0%

P570 STORM SEWER, CL.A, R.G., 450
19.663m AT 2.0%

P569 STORM SEWER, CL.A, R.G., 300
2.157m AT 2.0%

P568 STORM SEWER, CL.A, R.G., 300
4.107m AT 2.38%

P567 STORM SEWER, CL.A, R.G., 300
26.864m AT 2.0%

P566 STORM SEWER, CL.A, R.G., 300
19.181m AT 1.0%

P565 STORM SEWER, CL.A, R.G., 300
19.364m AT 1.0%

P564 STORM SEWER, CL.A, R.G., 450
3.031m AT 2.0%

P563 STORM SEWER, CL.A, R.G., 300
2.088m AT 2.0%

P562 STORM SEWER, CL.A, R.G., 1050
22.861m AT 0.4%

P561 STORM SEWER, CL.A, R.G., 900
34.607m AT 0.40%

P560 STORM SEWER, CL.A, R.G., 300
3.971m AT 2.0%

P559 STORM SEWER, CL.A, R.G., 900
26.964m AT 0.40%

P558 STORM SEWER, CL.A, R.G., 300
3.971m AT 2.0%

P557 STORM SEWER, CL.A, R.G., 900
56.964m AT 0.40%

559 MH. TY.A, 1.5m DIA.,
TY. 1 FRAME, CL. LID
STA. 22+051, 15m LT.
GRATE 193.948
INV. (N,S) 190.970
INV. (E) 192.837

558 INLET TY. A, TY. 3V F&G
STA. 22+051, 10.067m LT.
GRATE 193.825
INV. 192.936

577 MH. TY. A, 1.8m DIA.,
TY. 5 FRAME, CL. LID
STA. 21+936.5, 12m LT.
GRATE 193.672
INV. (N,S) 190.512
INV. (W) 192.337

576 MH. TY. A, 1.8m DIA.,
TY. 1 FRAME, CL. LID
STA. 21+963, 14.8m LT.
GRATE 193.812
INV. (N,S) 190.618
INV. (E) 192.597

575 INLET TY. A, TY. 3V F&G
STA. 21+963, 10.066m RT.
GRATE 193.576
INV. 192.687

574 INLET TY. A, TY. 3V F&G
STA. 21+963, 10.067m LT.
GRATE 193.581
INV. 192.692

573 INLET TY. A, TY. 3V F&G
STA. 21+949.094, 16.243m LT.
GRATE 193.554
INV. 192.665

572 MH. TY. A, 1.2m DIA.,
TY. 3V F&G
STA. 21+987.266, 16.507m LT.
GRATE 193.607
INV. (E,N) 192.428
INV. (W) 192.691

571 INLET TY. A, TY. 3V F&G
STA. 21+937.945, 21m LT.
GRATE 193.671
INV. 192.782

570 MH. TY. A, 1.2m DIA.,
TY. 3V F&G
STA. 21+987.152, 10.367m RT.
GRATE 193.514
INV. (N) 191.999
INV. (S) 192.204
INV. (W) 191.847
INV. (E) 192.625

569 INLET TY. B, TY. 3V F&G
STA. 21+984.014, 10.217m RT.
GRATE 193.517
INV. 192.267

568 INLET TY. A, TY. 8 GRATE
STA. 21+987.152, 15.275m RT.
GRATE 193.402
INV. 192.742

567 INLET TY. B, TY. 3V F&G
STA. 22+015, 10.217m RT.
GRATE 193.630
INV. 192.556

566 INLET TY. B, TY. 3V F&G
STA. 22+035, 10.217m RT.
GRATE 193.737
INV. 192.756

565 INLET TY. A, TY. 3V F&G
STA. 22+055, 10.067m RT.
GRATE 193.845
INV. 192.956

564 MH. TY. A, 1.2m DIA.,
TY. 3V F&G
STA. 21+987.152, 10.367m LT.
GRATE 193.517
INV. (N) 192.600
INV. (E,W) 191.432

563 INLET TY. A, TY. 3V F&G
STA. 21.990.026, 10.067m LT.
GRATE 193.547
INV. 192.658

562 MH. TY. A, 1.8m DIA.,
TY. 1 FRAME, CL. LID
STA. 21+987.152, 14.8m LT.
GRATE 193.752
INV. (N,S) 190.715
INV. (E) 191.343

561 MH. TY. A, 1.5m DIA.,
TY. 1 FRAME, CL. LID
STA. 22+023, 15m LT.
GRATE 193.842
INV. (N,S) 190.858
INV. (E) 192.686

560 INLET TY. A, TY. 3V F&G
STA. 22+023, 10.067m LT.
GRATE 193.674
INV. 192.785

PROPOSED ℄ FAP 326 (IL 47)
PIPE UNDERDRAIN, 100mm
MATCHLINE STA. 21+900
MATCHLINE STA. 22+075
21+950
22+000
22+050
PROP. R.O.W.
EXIST. R.O.W.
PROP. TEMP. EASEMENT
APPLETREE CT.
PT 22+016.576
TH #24
SCALE IN METERS
0 5 10 15

EXISTING PROFILE ALONG ℄
PROPOSED PROFILE GRADE
SPECIAL DITCH RIGHT AT +0.500%
SPECIAL DITCH RIGHT AT +0.973%
STANDARD DITCH RIGHT P.G. -0.34m
+.024
+910 RT 193.146
+825 RT 193.292
+945 RT 193.392
+962
+995
1050 mm S = 0.40%
1050 mm S = 0.40%
1050 mm S = 0.40%
900 mm S = 0.40%
900 mm S = 0.40%
900 mm S = 0.40%
190.512
190.618
190.715
190.858
190.970
196
195
194
193
192
191
190
189
21+900
21+925
21+950
21+975
22+000
22+025
22+050
22+075
193.785 193.771
193.829 193.864
193.891 193.900
193.933 193.880
193.975 193.843
194.015 193.805
194.060 193.768
194.121 193.742
194.178 193.776
194.185 193.844
194.195 193.911
194.201 193.979
194.195 194.046
194.194 194.106
194.229 194.126

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PLOTTED: 8/11/2011
HMG JOB NO. 5122

HMG ENGINEERS, INC., 1075 LAKE RD., P.O. BOX 70, CARLYLE, ILLINOIS 62231 (618)-594-3711 WWW.HMGENGINEERS.COM

STORM SEWER - FAP 326 (IL. RTE 47)

Sheet: 24
Angle: 57.4230
Ondra: P-IL47

CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	428
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

P557 STORM SEWER, CL.A, R.G., 900 56.964m AT 0.40%
P556 STORM SEWER, CL.A, R.G., 300 3.971m AT 2.0%
P555 STORM SEWER, CL.A, R.G., 300 2.355m AT 2.0%
P554 STORM SEWER, CL.A, R.G., 300 3.971m AT 2.0%
P553 STORM SEWER, CL.A, R.G., 900 24.964m AT 0.40%
P552 STORM SEWER, CL.A, R.G., 900 21.302m AT 0.40%
P551 STORM SEWER, CL.A, R.G., 300 2.201m AT 2.0%
P550 STORM SEWER, CL.A, R.G., 450 19.645m AT 1.0%
P549 STORM SEWER, CL.A, R.G., 300 1.904m AT 2.0%
P548 STORM SEWER, CL.A, R.G., 300 18.016m AT 2.0%
P547 STORM SEWER, CL.A, R.G., 300 4.106m AT 2.0%
P546 STORM SEWER, CL.A, R.G., 300 19.200m AT 1.0%
P544 STORM SEWER, CL.A, R.G., 300 5.696m AT 2.0%
P542 STORM SEWER, CL.A, R.G., 300 19.622m AT 1.0%
P543 STORM SEWER, CL.A, R.G., 750 26.916m AT 0.40%
P541 STORM SEWER, CL.A, R.G., 750 23.215m AT 0.40%
P540 STORM SEWER, CL.A, R.G., 300 1.480m AT 2.0%
P539 STORM SEWER, CL.A, R.G., 750 22.800m AT 0.40%
P538 STORM SEWER, CL.A, R.G., 750 22.800m AT 0.40%
P531 STORM SEWER, CL.A, R.G., 300 3.121m AT 2.0%
P436 STORM SEWER, CL.A, R.G., 300 12.798m AT 1.0%
P435 STORM SEWER, CL.A, R.G., 300 6.806m AT 0.50%

MATCHLINE STA. 22+075
MATCHLINE STA. 22+250
PROP. TEMP. EASEMENT
PROP. R.O.W.
EXIST. R.O.W.
PC 22+125.848
22+100
22+150
22+200
PROPOSED ℄ FAP 326 (IL 47)
PIPE UNDERDRAIN, 100mm
FLAG POLE
WALNUT ST.
1+050

557 MH. TY. A, 1.5m DIA., TY. 1 FRAME, CL. LID
STA. 22+109 15m LT.
GRATE 193.703
INV. (N,S) 191.202
INV. (E) 192.630

556 INLET TY. A, TY. 3V F&G
STA. 22+109, 10.067m LT.
GRATE 193.746
INV. 192.875

555 INLET TY. A, TY. 3V F&G
STA. 22+111.962, 16.492m LT.
GRATE 193.540
INV. 192.880

554 INLET TY. A, TY. 3V F&G
STA. 22+135, 10.067m LT.
GRATE 193.618
INV. 192.729

553 MH. TY. A, 1.5m DIA., TY. 1 FRAME, CL. LID
STA. 22+135, 15m LT.
GRATE 193.725
INV. (N,S) 191.306
INV. (E) 192.630

552 MH. TY. A, 1.5m DIA., TY. 3V F&G
STA. 22+156.884, 10.367m LT.
GRATE 193.534
INV. (N) 191.452
INV. (SW) 191.396
INV. (E) 191.842
INV. (S,NW) 192.582

551 INLET TY. A, TY. 3V F&G
STA. 22+153.754, 10.067m LT.
GRATE 193.534
INV. 192.645

550 MH. TY. A, 1.2m DIA., TY. 3V F&G
STA. 22+156.884, 10.366m RT.
GRATE 193.531
INV. (W) 192.051
INV. (S) 192.203

549 INLET TY. B, TY. 3V F&G
STA. 22+154, 10.217m RT.
GRATE 193.569
INV. 192.261

548 MH. TY. A, 1.2m DIA., TY. 3V F&G
STA. 22+135, 10.367m RT.
GRATE 193.660
INV. (N,S) 192.641
INV. (E) 192.747

547 INLET TY. A, TY. 8 GRATE
STA. 22+135, 15.275m RT.
GRATE 193.506
INV. 192.846

546 INLET TY. A, TY. 3V F&G
STA. 22+115, 10.067m RT.
GRATE 193.730
INV. 192.841

544 INLET TY. A, TY. 8 GRATE
STA. 22+160, 16.4m LT.
GRATE 193.466
INV. 192.634

543 MH. TY. A, 1.5m DIA., TY. 3V F&G
STA. 22+185, 10.517m LT.
GRATE 193.742
INV. (N,S) 191.564
INV. (E) 192.668

542 INLET TY. A, TY. 3V F&G
STA. 22+185, 10.066m RT.
GRATE 193.756
INV. 192.867

541 MH. TY. A, 1.5m DIA., TY. 1 FRAME, CL. LID
STA. 22+209, 15m LT.
GRATE 193.862
INV. (N,S) 191.662
INV. (W) 192.936

540 INLET TY. A, TY. 8 GRATE
STA. 22+211, 16.4m LT.
GRATE 193.721
INV. 192.984

539 MH. TY. A, 1.5m DIA., TY. 1 FRAME, CL. LID
STA. 22+233, 15m LT.
GRATE 193.982
INV. 191.758

437 INLET TY. B, TY. 8 GRATE
STA. 22+221.651, 42.223m RT.
GRATE 193.770
INV. (W) 192.729
INV. (E) 192.688

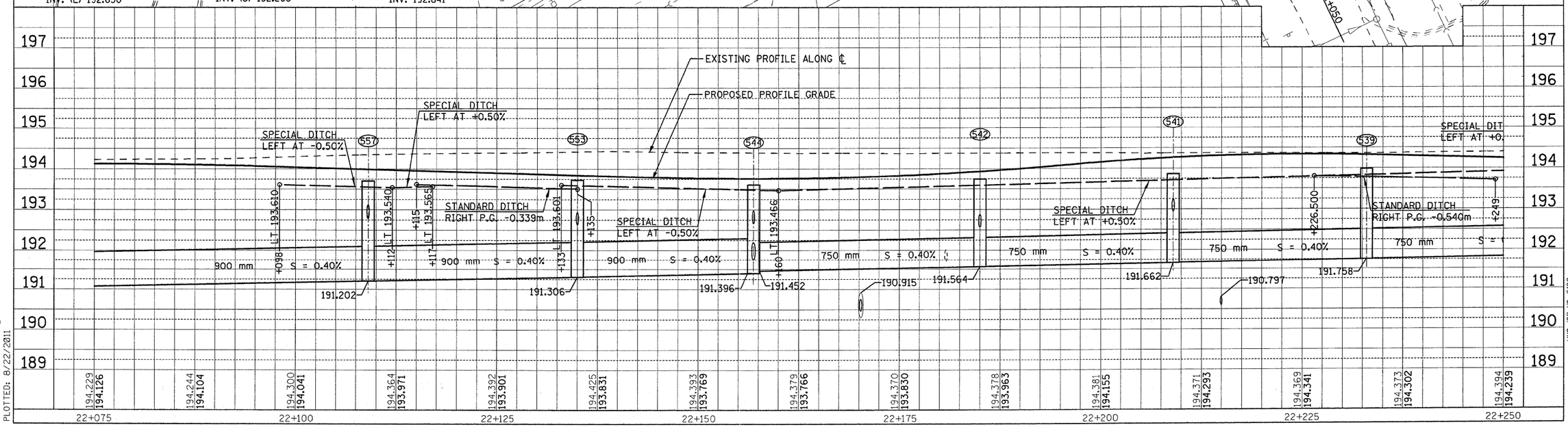
436 INLET TY. B, TY. 3V F&G
STA. 22+217.622, 29.216m RT.
GRATE 193.829
INV. 192.866

435 INLET TY. A, TY. 3V F&G
STA.22+210.518, 31.437m RT.
GRATE 193.829
INV. 192.940

531 INLET TY. A, TY. 8 GRATE
STA. 22+249, 13.974m RT.
GRATE 193.704
INV. 193.044

532 INLET TY. B, TY. 3V F&G
STA. 22+249, 10.216m RT.
GRATE 194.036
INV. 193.015

SCALE IN METERS
0 5 10 15



FILE: 428sm47_25.dgn
PLOTTED: 8/22/2011
Sheet: 25
Angles: 58.1405
Chains: P.1L47

HMG JOB NO. 5122

CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	429
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

P538 STORM SEWER, CL.A, R.G., 750 22.800m AT 0.40%
P537 STORM SEWER, CL.A, R.G., 300 3.971m AT 2.0%
P536 STORM SEWER, CL.A, R.G., 750 29.040m AT 0.40%
P535 STORM SEWER, CL.A, R.G., 450 3.394m AT 1.0%
P534 STORM SEWER, CL.A, R.G., 300 2.213m AT 2.0%
P533 STORM SEWER, CL.A, R.G., 450 19.664m AT 1.0%
P532 STORM SEWER, CL.A, R.G., 300 37.256m AT 1.0%
P530 STORM SEWER, CL.A, R.G., 300 2.019m AT 1.0%
P529 STORM SEWER, CL.A, R.G., 300 22.941m AT 1.0%
P528 STORM SEWER, CL.A, R.G., 300 25.181m AT 1.0%
P527 STORM SEWER, CL.A, R.G., 300 32.364m AT 1.0%
P526 STORM SEWER, CL.A, R.G., 750 25.772m AT 0.40%
P525 STORM SEWER, CL.A, R.G., 300 4.131m AT 2.0%
P524 STORM SEWER, CL.A, R.G., 750 21.223m AT 0.40%
P523 STORM SEWER, CL.A, R.G., 300 4.131m AT 2.0%
P522 STORM SEWER, CL.A, R.G., 750 38.2750m AT 0.40%
P521 STORM SEWER, CL.A, R.G., 300 2.171m AT 2.0%
P520 STORM SEWER, CL.A, R.G., 300 4.700m AT 0.20% (CAPPED)
P519 STORM SEWER, CL.A, R.G., 600 26.065m AT 0.40%
P518 STORM SEWER, CL.A, R.G., 300 1.509m AT 4.0%
P517 STORM SEWER, CL.A, R.G., 600 29.880m AT 0.40%
P513 STORM SEWER, CL.A, R.G., 300 28.281m AT 1.10%
P71 STORM SEWER, CL.A, R.G., 300 4.198m AT 1.67%
P70 STORM SEWER, CL.A, R.G., 300 1.481m AT 5.15%
P69 STORM SEWER, CL.A, R.G., 300 2.507m AT 2.0%

SCALE IN METERS 0 5 10 15

PT 22+266.408
PC 22+313.265
PROP. R.O.W.
EXIST. R.O.W.
PROP. TEMP. EASEMENT
6.5m-PIPE DRAINS, 150mm
PIPE
PIPE UNDERDRAIN, 100mm
PROPOSED ℄ FAP 326 (IL 47)
MATCHLINE STA. 22+250
MATCHLINE STA. 22+425
22+250
22+300
22+350
22+400
LANDMARK AVE.
N41°W
1+050

538 MH. TY. A, 1.5m DIA., TY. 1 FRAME, CL. LID
STA. 22+257, 15m LT.
GRATE 194.099
INV. (N,S) 191.854
INV. (E) 192.989

537 INLET TY. A, TY. 3V F&G
STA. 22+257, 10.067m LT.
GRATE 193.977
INV. 193.088

536 MH. TY. A, 1.5m DIA., TY. 1 FRAME, CL. LID
STA. 22+287.240, 15m LT.
GRATE 194.163
INV. (N,S) 191.975
INV. (E) 192.009

535 MH. TY. A, 1.2m DIA., TY. 3V F&G
STA. 22+287.240, 10.367m LT.
GRATE 193.878
INV. (W,E) 192.056
INV. (N) 192.931

534 INLET TY. A, TY. 3V F&G
STA. 22+290.240, 10.067m LT.
GRATE 193.880
INV. 192.991

533 MH. TY. A, 1.2m DIA., TY. 3V F&G
STA. 22+287.240, 10.366m RT.
GRATE 193.868
INV. (W) 192.263
INV. (S) 192.632
INV, (N) 192.415
INV. (E) 192.829

530 INLET TY. B, TY. 3V F&G
STA. 22+290.240, 10.216m RT.
GRATE 193.870
INV. 192.445

529 INLET TY. B, TY. 3V F&G
STA. 22+314, 10.216m RT.
GRATE 193.944
INV. (S,N) 192.683

528 INLET TY. B, TY. 3V F&G
STA. 22+340, 10.216m RT.
GRATE 194.040
INV. 192.943

527 INLET TY. A, TY. 3V F&G
STA. 22+373, 10.067m RT.
GRATE 194.162
INV. 193.273

526 MH. TY. A, 1.2m DIA., TY. 1 FRAME, CL. LID
STA. 22+314, 15m LT.
GRATE 194.237
INV. (N,S) 192.082
INV. (E) 192.956

525 INLET TY. A, TY. 3V F&G
STA. 22+314, 10.067m LT.
GRATE 193.944
INV. 193.055

524 MH. TY. A, 1.2m DIA., TY. 1 FRAME, CL. LID
STA. 22+336, 15m LT.
GRATE 194.025
INV. (N,S) 192.170
INV. (W) 193.072
INV. (E) 193.038

523 INLET TY. A, TY. 3V F&G
STA. 22+336, 10.067m LT.
GRATE 194.026
INV. 193.137

522 MH. TY. A, 1.2m DIA., TY. 1 FRAME, CL. LID
STA. 22+375, 13m LT.
GRATE 194.195
INV. (N,S) 192.326
INV. (W) 193.306
INV. (E) 193.204

521 INLET TY. A, TY. 3V F&G
STA. 22+373, 10.8m LT.
GRATE 194.152
INV. 193.263

519 MH. TY. A,, 1.2m DIA., TY. 8 GRATE
STA. 22+402, 13.938m LT.
GRATE 193.850
INV. (N,S) 192.434
INV. (E) 192.907
INV. (W) 192.450

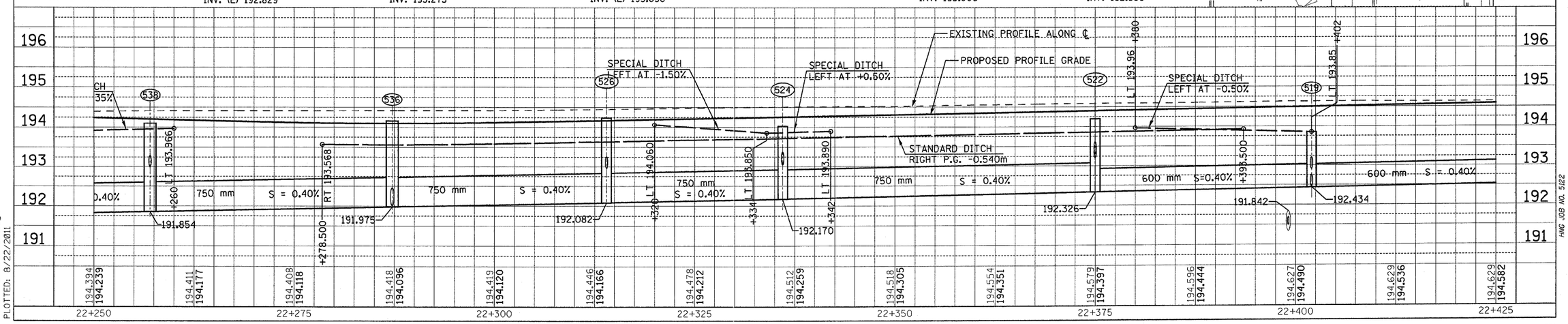
518 INLET TY. B, TY. 3V F&G
STA. 22+402, 11.445m LT.
GRATE 194.246
INV. 193.006

513 INLET TY. A, TY. 3V F&G
STA. 22+403.982, 15.482m RT.
GRATE 194.076
INV. 193.187

71 INLET TY. A, TY. 8 GRATE
STA. 22+372, 17m LT.
GRATE 194.050
INV. 193.390

70 INLET TY. A, TY. 8 GRATE
STA. 22+334, 16.1m LT.
GRATE 193.850
INV. 193.190

69 INLET TY. A, TY. 8 GRATE
STA. 22+287.236, 13.675m RT.
GRATE 193.556
INV. 192.896



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Sheet: 26
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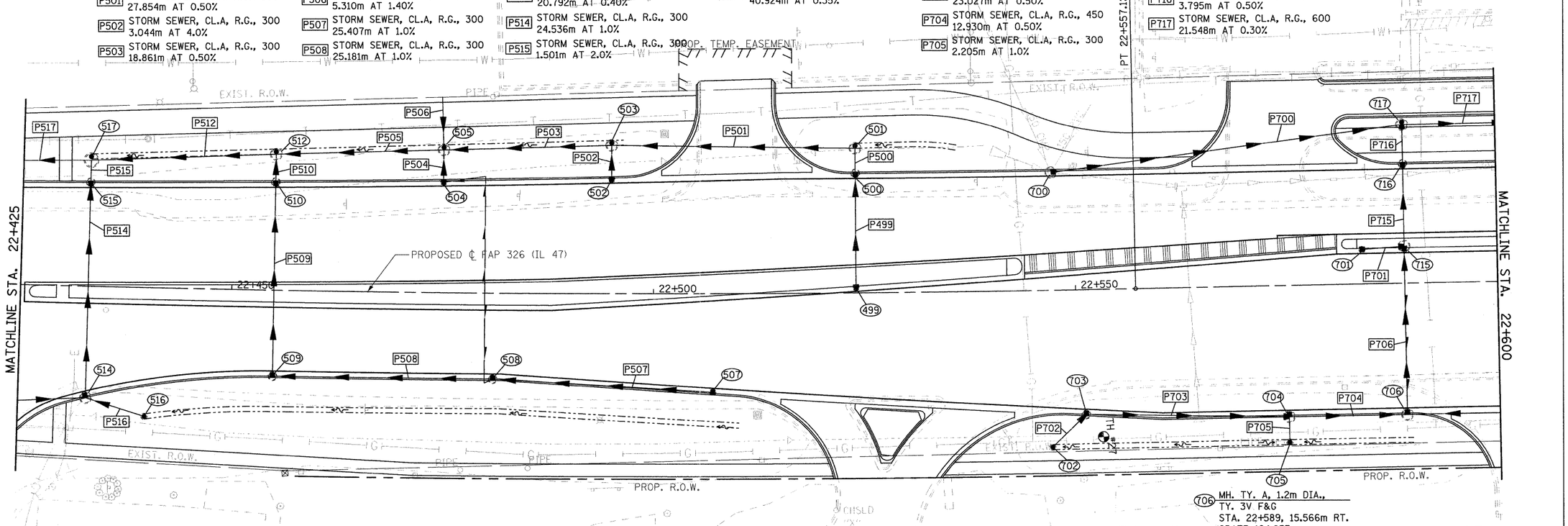
Chain: P_IL47

HMG JOB NO. 5122

CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	430
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

P499 STORM SEWER, CL.A, R.G., 300 12.844m AT 0.40%
P500 STORM SEWER, CL.A, R.G., 300 2.010m AT 0.40%
P501 STORM SEWER, CL.A, R.G., 300 27.854m AT 0.50%
P502 STORM SEWER, CL.A, R.G., 300 3.044m AT 4.0%
P503 STORM SEWER, CL.A, R.G., 300 18.861m AT 0.50%
P504 STORM SEWER, CL.A, R.G., 300 2.848m AT 4.0%
P505 STORM SEWER, CL.A, R.G., 450 18.946m AT 0.45%
P506 STORM SEWER, CL.A, R.G., 300 5.310m AT 1.40%
P507 STORM SEWER, CL.A, R.G., 300 25.407m AT 1.0%
P508 STORM SEWER, CL.A, R.G., 300 25.181m AT 1.0%
P509 STORM SEWER, CL.A, R.G., 300 22.172m AT 1.0 %
P510 STORM SEWER, CL.A, R.G., 300 2.342m AT 2.0%
P512 STORM SEWER, CL.A, R.G., 450 20.792m AT 0.40%
P514 STORM SEWER, CL.A, R.G., 300 24.536m AT 1.0%
P515 STORM SEWER, CL.A, R.G., 300 1.501m AT 2.0%
P516 STORM SEWER, CL.A, R.G., 300 6.450m AT 1.0 %
P517 STORM SEWER, CL.A, R.G., 600 29.880m AT 0.40 %
P700 STORM SEWER, CL.A, R.G., 450 40.924m AT 0.35%
P701 STORM SEWER, CL.A, R.G., 300 4.207m AT 2.0%
P702 STORM SEWER, CL.A, R.G., 300 4.865m AT 0.50%
P703 STORM SEWER, CL.A, R.G., 300 23.027m AT 0.50%
P704 STORM SEWER, CL.A, R.G., 450 12.930m AT 0.50%
P705 STORM SEWER, CL.A, R.G., 300 2.205m AT 1.0%
P706 STORM SEWER, CL.A, R.G., 450 18.864m AT 0.50%
P715 STORM SEWER, CL.A, R.G., 450 8.863m AT 0.50%
P716 STORM SEWER, CL.A, R.G., 450 3.795m AT 0.50%
P717 STORM SEWER, CL.A, R.G., 600 21.548m AT 0.30%



(517) MH. TY. A, 1.5m DIA., TY. 8 GRATE STA. 22+433, 14.929m LT. GRATE 193.850 INV. (N,S,E) 192.558

(516) INLET TY. A, TY. 8 GRATE STA. 22+439.955, 15.291m RT. GRATE 193.600 INV. 192.940

(515) INLET TY. B, TY. 3V F&G STA. 22+433, 12.284m LT. GRATE 194.348 INV. 192.611

(514) MH. TY. A, 1.2m DIA., TY. 3V F&G STA. 22+433, 13.236m RT. GRATE 194.314 INV. (S,N,W) 192.867

(512) MH. TY. A, 1.2m DIA., TY. 8 GRATE STA. 22+455, 16.101m LT. GRATE 193.960 INV. (N,S) 192.646 INV. (E) 192.919

(510) INLET TY. B, TY. 3V F&G STA. 22+455, 12.774m LT. GRATE 194.419 INV. 192.986

(509) INLET TY. B, TY. 3V F&G STA. 22+455, 10.217m RT. GRATE 194.466 INV. 193.216

(508) INLET TY. B, TY. 3V F&G STA. 22+481, 10.216m RT. GRATE 194.562 INV. 193.476

(507) INLET TY. A, TY. 3V F&G STA. 22+507, 11.733m RT. GRATE 194.625 INV. 193.736

(505) MH. TY. A, 1.2m DIA., TY. 8 GRATE STA. 22+475, 16.9m LT. GRATE 194.059 INV. 192.736

(504) INLET TY. B, TY. 3V F&G STA. 22+475, 13.068m LT. GRATE 194.485 INV. 193.276

(503) MH. TY. A, 1.2m DIA., TY. 8 GRATE STA. 22+495, 17.541m LT. GRATE 194.158 INV. 192.988

(502) INLET TY. B, TY. 3V F&G STA. 22+495, 13.513m LT. GRATE 194.550 INV. 193.371

(501) MH. TY. A, 1.2m DIA., TY. 8 GRATE STA. 22+524, 17.111m LT. GRATE 194.100 INV. 193.133

(500) INLET TY. B, TY. 3V F&G STA. 22+524, 14.117m LT. GRATE 194.644 INV. 193.253

(499) INLET TY. A, TY. 3V F&G STA. 22+524, 0.636m LT. GRATE 194.910 INV. 194.021

(700) MH. TY. A, 1.2m DIA., TY. 3V F&G STA. 22+547.292, 13.905m LT. GRATE 194.730 INV. (SW) 193.153 INV. (NW) 193.345

(701) INLET TY. A, TY. 3V F&G STA. 22+584, 4.068m LT. GRATE 195.068 INV. 194.179

(702) INLET TY. A, TY. 8 GRATE STA. 22+547, 18.595m RT. GRATE 194.370 INV. 193.710

(703) INLET TY. B, TY. 3V F&G STA. 22+551, 14.817m RT. GRATE 194.729 INV. 193.682

(704) MH. TY. A, 1.2m DIA., TY. 3V F&G STA. 22+575, 15.567m RT. GRATE 194.806 INV. (S) 193.562 INV. (N) 193.410 INV. (E) 193.640

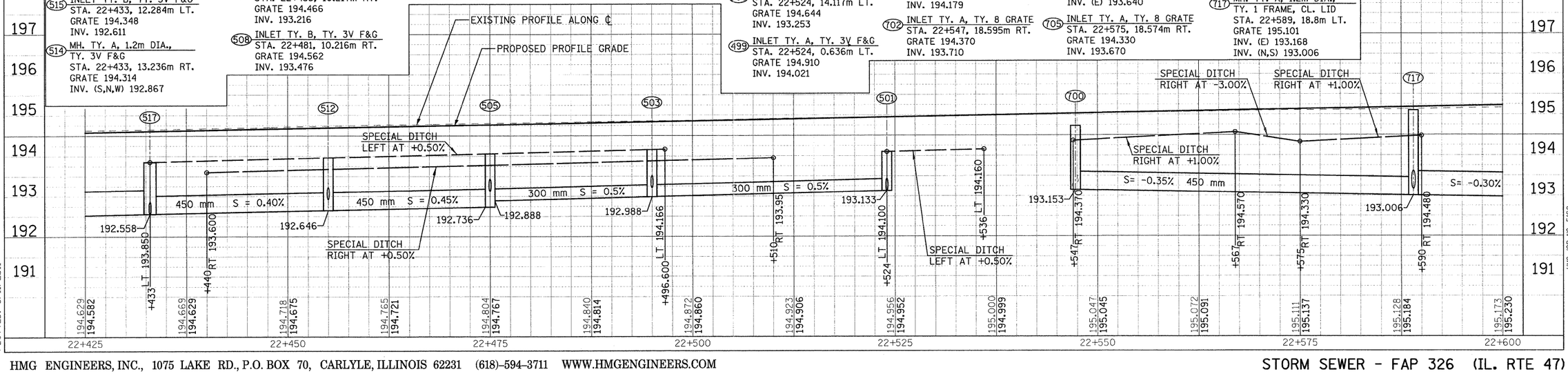
(705) INLET TY. A, TY. 8 GRATE STA. 22+575, 18.574m RT. GRATE 194.330 INV. 193.670

(706) MH. TY. A, 1.2m DIA., TY. 3V F&G STA. 22+589, 15.566m RT. GRATE 194.857 INV. (S,W) 193.340 INV. (N) 193.464

(715) MH. TY. A, 1.2m DIA., TY. 3V F&G STA. 22+589, 4.368m LT. GRATE 195.087 INV. (E,W) 193.240 INV. (S) 194.079

(716) INLET TY. B, TY. 3V F&G STA. 22+589, 14.118m LT. GRATE 194.889 INV. 193.191

(717) MH. TY. A, 1.2m DIA., TY. 1 FRAME, CL. LID STA. 22+589, 18.8m LT. GRATE 195.101 INV. (E) 193.168 INV. (N,S) 193.006



FILE: 430stm47-27.dgn
PLOTTED: 8/11/2011
HMG JOB NO. 5122

CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	431
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

(713) INLET TY. A, TY. 3V F&G
STA. 22+642, 4.068m LT.
GRATE 195.283
INV. 194.318

(714) MH. TY. A, 1.2m DIA., TY. 3V F&G
STA. 22+642, 14.837m LT.
GRATE 195.080
INV. (E,W) 194.102
INV. (N) 194.155

(718) INLET TY. A, TY. 3V F&G
STA. 22+611.5, 4.068m LT.
GRATE 195.170
INV. 194.205

(719) INLET TY. B, TY. 3V F&G
STA. 22+611.5, 14.118m LT.
GRATE 194.973
INV. 194.004

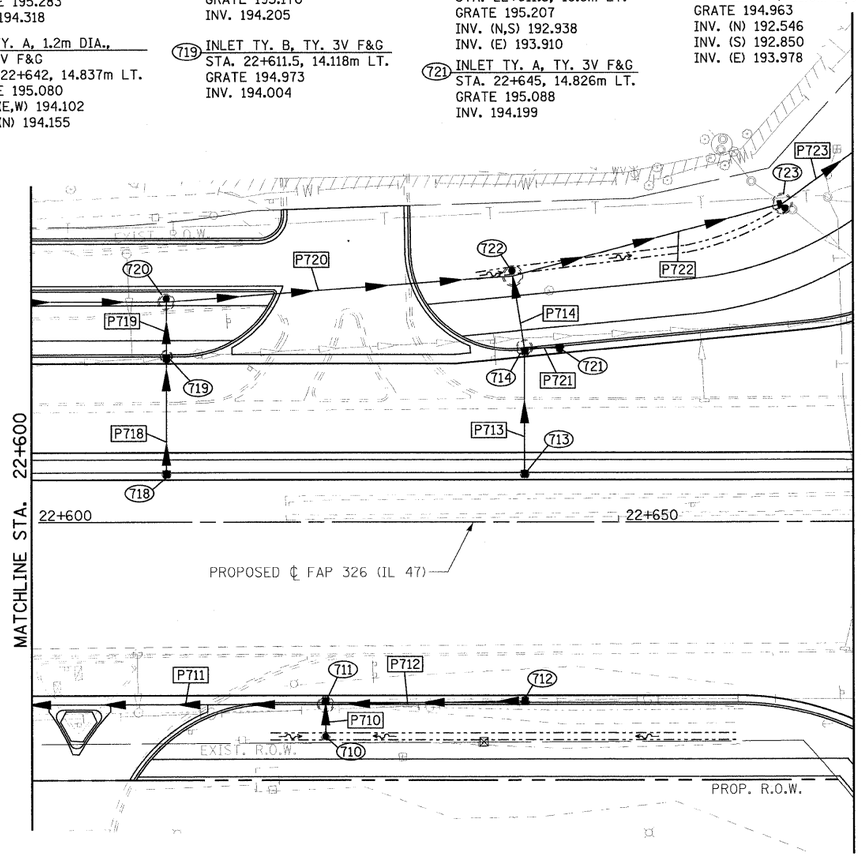
(720) MH. TY. A, 1.2m DIA., TY. 1 FRAME, CL. LID
STA. 22+611.5, 18.8m LT.
GRATE 195.207
INV. (N,S) 192.938
INV. (E) 193.910

(721) INLET TY. A, TY. 3V F&G
STA. 22+645, 14.826m LT.
GRATE 195.088
INV. 194.199

(722) MH. TY. A, 1.2m DIA., TY. 1 FRAME, CL. LID
STA. 22+641, 21.0m LT.
GRATE 194.963
INV. (N) 192.546
INV. (S) 192.850
INV. (E) 193.978

(723) MH. TY. A, 1.5m DIA., TY. 8 GRATE
STA. 189+974.891, 37.443m RT.
GRATE 194.966
INV. (N,S) 192.475
INV. (W) 192.509

P713 STORM SEWER, CL.A, R.G., 300 9.967m AT 2.0%
P714 STORM SEWER, CL.A, R.G., 300 4.934m AT 2.0%
P718 STORM SEWER, CL.A, R.G., 300 9.413m AT 2.0%
P719 STORM SEWER, CL.A, R.G., 300 3.698m AT 2.0%
P720 STORM SEWER, CL.A, R.G., 600 28.446m AT 0.30%
P721 STORM SEWER, CL.A, R.G., 300 2.198m AT 2.0%
P722 STORM SEWER, CL.A, R.G., 600 22.475m AT 0.30%
P723 STORM SEWER, CL.A, R.G., 600 17.693m AT 0.30%



P710 STORM SEWER, CL.A, R.G., 300 1.907m AT 2.0%
P711 STORM SEWER, CL.A, R.G., 300 34.851m AT 1.0%
P712 STORM SEWER, CL.A, R.G., 300 16.201m AT 2.0%

(710) INLET TY. A, TY. 8 GRATE
STA. 22+625, 18.275m RT.
GRATE 194.810
INV. 194.073

(711) MH. TY. A, 1.2m DIA., TY. 3V F&G
STA. 22+625, 15.566m RT.
GRATE 194.991
INV. (E) 194.019
INV. (N,S) 193.824

(712) INLET TY A. TY. 3V F&G
STA. 22+642, 15.266m RT.
GRATE 195.053
INV. 194.164

P818 STORM SEWER, CL.A, R.G., 600 35.918m AT 0.35%
P841 STORM SEWER, CL.A, R.G., 600 3.632m AT 0.40%
P842 STORM SEWER, CL.A, R.G., 300 7.854m AT 2.0%
P843 STORM SEWER, CL.A, R.G., 750 21.628m AT 0.50%
P844 STORM SEWER, CL.A, R.G., 300 1.028m AT 2.0%
P845 STORM SEWER, CL.A, R.G., 750 13.050m AT 0.50%

(841) MH. TY. A, 1.2m DIA., TY. 3V F&G
STA. 22+753.5, 18.232m LT.
GRATE 194.923
INV. 192.569

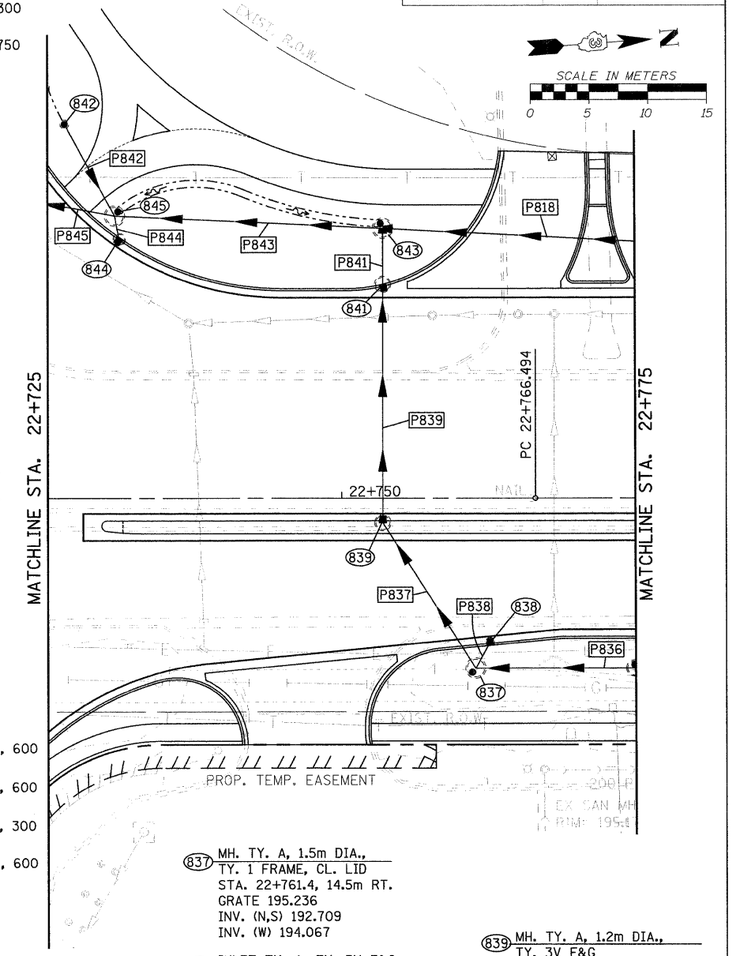
(842) INLET TY. A, TY. 8 GRATE
STA. 22+726.441, 31.8m LT.
GRATE 194.500
INV. 193.840

(843) MH. TY. A, 1.5m DIA., TY. 8 GRATE
STA. 22+753.5, 23m LT.
GRATE 194.666
INV. (S,E) 192.550
INV. (N) 192.567

(844) INLET TY. B, TY. 3V F&G
STA. 22+731, 21.955m LT
GRATE 194.885
INV. 193.996

(845) MH. TY. A, 1.5m DIA., TY. 8 GRATE
STA. 22+730.698, 24.08m LT.
GRATE 194.585
INV. (N,S) 192.436
INV. (E) 193.666
INV. (W) 193.663

SEE US RTE 34 STORM SEWER FOR CONTINUATION

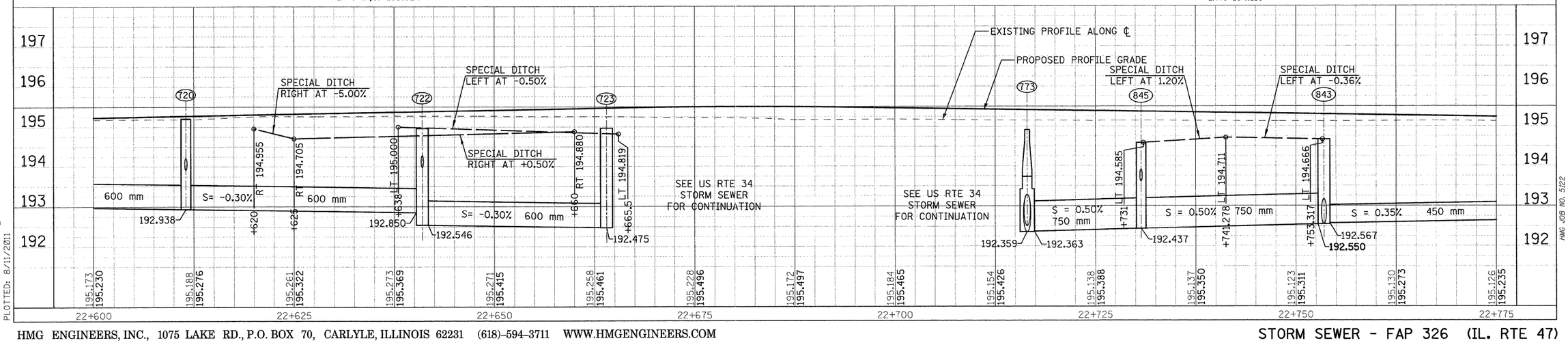


P836 STORM SEWER, CL.A, R.G., 600 12.364m AT 0.40%
P837 STORM SEWER, CL.A, R.G., 600 13.595m AT 0.40%
P838 STORM SEWER, CL.A, R.G., 300 1.596m AT 2.0%
P839 STORM SEWER, CL.A, R.G., 600 19.347m AT 0.40%

(837) MH. TY. A, 1.5m DIA., TY. 1 FRAME, CL. LID
STA. 22+761.4, 14.5m RT.
GRATE 195.236
INV. (N,S) 192.709
INV. (W) 194.067

(838) INLET TY. A, TY. 3V F&G
STA. 22+762.63, 12.258m RT.
GRATE 195.007
INV. 194.118

(839) MH. TY. A, 1.2m DIA., TY. 3V F&G
STA. 22+753.5, 2.067m RT.
GRATE 195.147
INV. 192.650



FILE: 431stm47_28.dgn
PLOTTED: 8/11/2011
HMG JOB NO. 5122

CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	432
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

SCALE IN METERS
0 5 10 15

(811) INLET TY. A, TY. 3V F&G
STA. 22+915, 15.744m LT.
GRATE 194.653
INV. 193.688

(812) MH. TY. A, 1.2m DIA.,
TY. 8 GRATE
STA. 22+881, 20.061m LT.
GRATE 194.092
INV. (N) 193.345
INV. (S) 193.193
INV. (E) 193.545

(813) MH. TY. A, 1.2m DIA.,
TY. 8 GRATE
STA. 22+859, 20.558m LT.
GRATE 194.203
INV. (N,S) 193.116
INV. (E) 193.633

(814) MH. TY. A, 1.2m DIA.,
TY. 8 GRATE
STA. 22+835, 20.875m LT.
GRATE 194.323
INV. (N,S) 193.020
INV. (E) 193.729

(815) INLET TY. A, TY. 3V F&G
STA. 22+804, 17.568m LT.
GRATE 194.779
INV. 193.814

(816) MH. TY. A, 1.2m DIA.,
TY. 8 GRATE
STA. 22+804, 21m LT.
GRATE 194.660
INV. (N) 192.896
INV. (S) 192.744
INV. (E) 193.745

(817) INLET TY. A, TY. 3V F&G
STA. 22+790.5, 17.853m LT.
GRATE 194.978
INV. 193.860

(818) MH. TY. A, 1.2m DIA.,
TY. 8 GRATE
STA. 22+790.5, 21m LT.
GRATE 194.660
INV. (N,S) 192.697
INV. (E) 193.735

(820) INLET TY. A, TY. 8 GRATE
STA. 22+935, 16.674m LT.
GRATE 194.356
INV. 193.772

(821) INLET TY. A, TY. 3V F&G
STA. 22+915, 13.766m RT.
GRATE 194.689
INV. 193.800

(822) MH. TY. A, 1.2m DIA.,
TY. 8 GRATE
STA. 22+915, 16.474m RT.
GRATE 194.456
INV. (N,S) 193.672
INV. (W) 193.746

(823) INLET TY. A, TY. 3V F&G
STA. 22+884.154, 16.679m LT.
GRATE 194.557
INV. 193.668

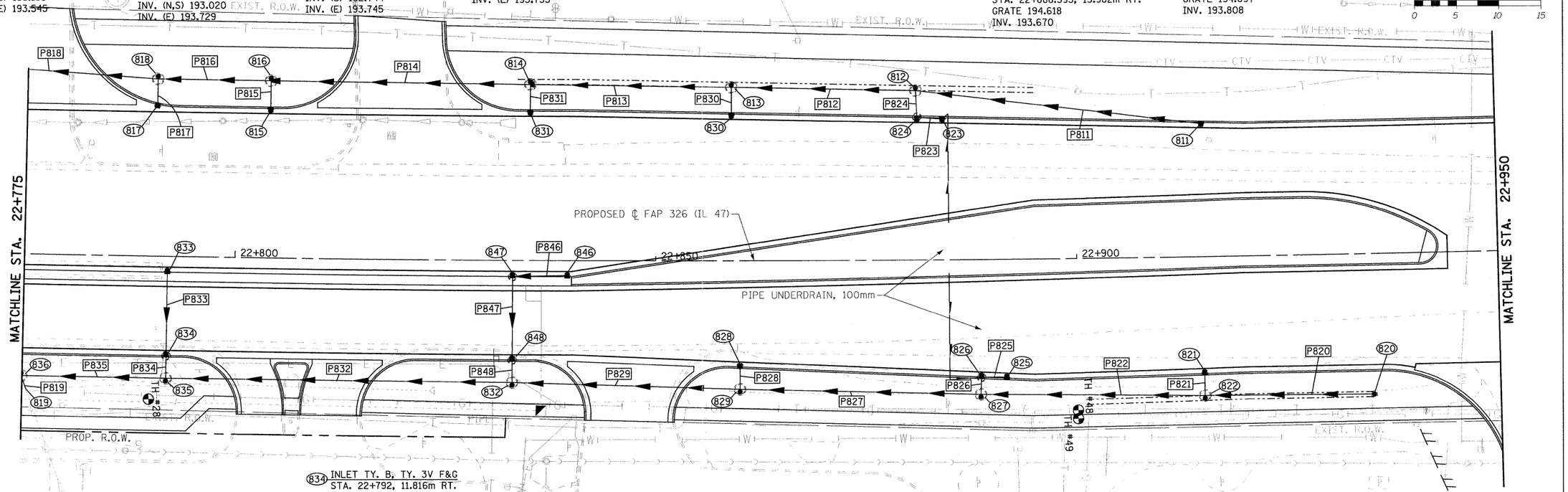
(824) INLET TY. B, TY. 3V F&G
STA. 22+881.145, 16.907m LT.
GRATE 194.557
INV. 193.608

(825) INLET TY. A, TY. 3V F&G
STA. 22+891.585, 13.987m RT.
GRATE 194.619
INV. 193.730

(826) INLET TY. B, TY. 3V F&G
STA. 22+888.593, 13.982m RT.
GRATE 194.618
INV. 193.670

(827) MH. TY. A, 1.2m DIA.,
TY. 1 FRAME, CL. LID
STA. 22+888.5, 16m RT.
GRATE 194.819
INV. (S) 193.387
INV. (N) 193.539
INV. (W) 193.630

(828) INLET TY. A, TY. 3V F&G
STA. 22+860, 12.479m RT.
GRATE 194.697
INV. 193.808



(819) CONNECT TO EXISTING
INV. (E) 193.788

(829) MH. TY. A, 1.2m DIA.,
TY. 1 FRAME, CL. LID
STA. 22+860, 15.25m RT.
GRATE 194.898
INV. (N,S) 193.273
INV. (W) 193.753

(830) INLET TY. A, TY. 3V F&G
STA. 22+859, 17.25m LT.
GRATE 194.605
INV. 193.716

(831) INLET TY. A, TY. 3V F&G
STA. 22+835, 17.568m LT.
GRATE 194.684
INV. 193.795

(832) MH. TY. A, 1.2m DIA.,
TY. 1 FRAME, CL. LID
STA. 22+833, 14.5m RT.
GRATE 195.009
INV. (N,S) 193.165
INV. (W) 193.704

(833) INLET TY. A, TY. 3V F&G
STA. 22+792, 1.766m RT.
GRATE 195.120
INV. 194.231

(834) INLET TY. B, TY. 3V F&G
STA. 22+792, 11.816m RT.
GRATE 194.961
INV. 194.030

(835) MH. TY. A, 1.2m DIA.,
TY. 1 FRAME, CL. LID
STA. 22+792, 14.5m RT.
GRATE 195.075
INV. (N,S) 193.001
INV. (W) 193.976

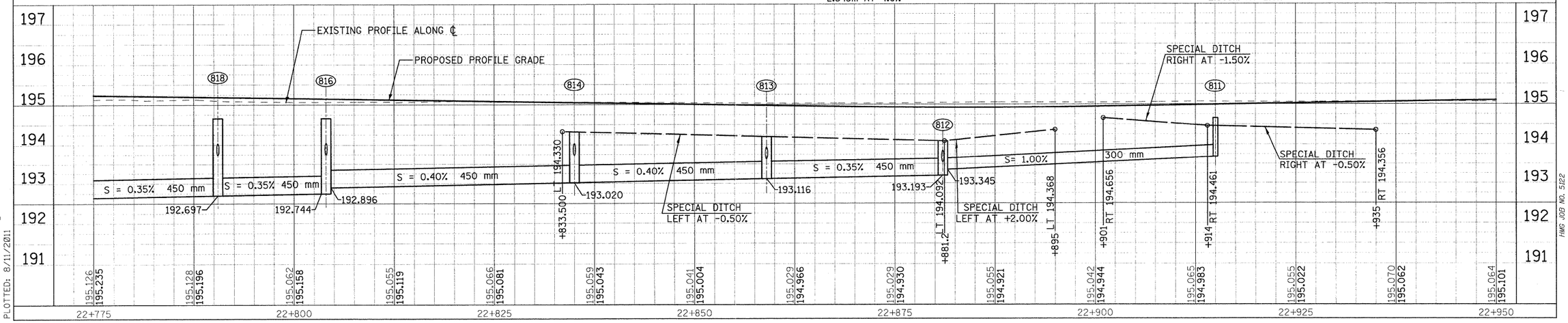
(836) MH. TY. A, 1.2m DIA.,
TY. 1 FRAME, CL. LID
STA. 22+774.9, 14.5m RT.
GRATE 195.167
INV. (N) 192.915
INV. (S) 192.763
INV. (E) 193.780

(846) INLET TY. A, TY. 3V F&G
STA. 22+839.5, 1.766m RT.
GRATE 194.975
INV. 194.086

(847) INLET TY. B, TY. 3V F&G
STA. 22+833, 1.916m RT.
GRATE 194.995
INV. 193.956

(848) INLET TY. B, TY. 3V F&G
STA. 22+833, 11.816m RT.
GRATE 194.803
INV. 193.758

P811 STORM SEWER, CL.A, R.G., 300 33.471m AT 1.0%
P812 STORM SEWER, CL.A, R.G., 450 20.935m AT 0.35%
P813 STORM SEWER, CL.A, R.G., 450 22.932m AT 0.40%
P814 STORM SEWER, CL.A, R.G., 450 29.930m AT 0.40%
P815 STORM SEWER, CL.A, R.G., 300 2.630m AT 2.0%
P816 STORM SEWER, CL.A, R.G., 600 12.548m AT 0.35%
P817 STORM SEWER, CL.A, R.G., 300 2.345m AT 4.0%
P818 STORM SEWER, CL.A, R.G., 600 35.918m AT 0.35%
P819 STORM SEWER, CL.A, R.G., 300 0.854m AT 0.50%
P820 STORM SEWER, CL.A, R.G., 300 19.199m AT 0.50%
P821 STORM SEWER, CL.A, R.G., 300 1.906m AT 2.0%
P822 STORM SEWER, CL.A, R.G., 300 25.355m AT 0.50%
P823 STORM SEWER, CL.A, R.G., 300 2.381m AT 2.0%
P824 STORM SEWER, CL.A, R.G., 300 2.172m AT 2.0%
P825 STORM SEWER, CL.A, R.G., 300 2.355m AT 2.0%
P826 STORM SEWER, CL.A, R.G., 300 1.036m AT 2.0%
P827 STORM SEWER, CL.A, R.G., 450 27.440m AT 0.40%
P828 STORM SEWER, CL.A, R.G., 300 1.969m AT 2.0%
P829 STORM SEWER, CL.A, R.G., 450 25.940m AT 0.40%
P830 STORM SEWER, CL.A, R.G., 300 2.506m AT 2.50%
P831 STORM SEWER, CL.A, R.G., 300 2.505m AT 2.0%
P832 STORM SEWER, CL.A, R.G., 450 39.930m AT 0.40%
P833 STORM SEWER, CL.A, R.G., 300 9.413m AT 2.0%
P834 STORM SEWER, CL.A, R.G., 300 1.700m AT 2.0%
P835 STORM SEWER, CL.A, R.G., 450 16.030m AT 0.50%
P846 STORM SEWER, CL.A, R.G., 300 5.865m AT 2.0%
P847 STORM SEWER, CL.A, R.G., 300 9.081m AT 2.0%
P848 STORM SEWER, CL.A, R.G., 300 1.700m AT 2.0%



FILE: 432stm47_29.dgn
PLOTTED: 8/11/2011
HMG JOB NO. 5122

HMG ENGINEERS, INC., 1075 LAKE RD., P.O. BOX 70, CARLYLE, ILLINOIS 62231 (618)-594-3711 WWW.HMGENGINEERS.COM

STORM SEWER - FAP 326 (IL. RTE 47)

CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	433
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

(904) INLET TY. A, TY. 3V F&G
STA. 23+095, 12.068m LT.
GRATE 195.047
INV. 194.051

(905) MH. TY. A, 1.5m DIA., TY. 1 FRAME, CL. LID
STA. 23+095, 14.5m LT.
GRATE 194.920
INV. (N,S) 193.159
INV. (E) 194.003

P904 STORM SEWER, CL.A, R.G., 300 1.470m AT 2.0%
P905 STORM SEWER, CL.A, R.G., 450 31.772m AT 0.90%
P906 STORM SEWER, CL.A, R.G., 300 3.212m AT 2.0%
P907 STORM SEWER, CL.A, R.G., 900 41.964m AT 0.30%
P908 STORM SEWER, CL.A, R.G., 300 1.472m AT 2.0%
P909 STORM SEWER, CL.A, R.G., 300 1.538m AT 2.0%
P910 STORM SEWER, CL.A, R.G., 450 47.677m AT 0.90%
P911 STORM SEWER, CL.A, R.G., 900 44.453m AT 0.30%
P912 STORM SEWER, CL.A, R.G., 300 1.472m AT 2.0%
P914 STORM SEWER, CL.A, R.G., 300 2.364m AT 2.0%
P915 STORM SEWER, CL.A, R.G., 300 1.139m AT 2.0%
P916 STORM SEWER, CL.A, R.G., 900 33.988m AT 0.30%
P917 STORM SEWER, CL.A, R.G., 900 2.705m AT 0.50%
P918 STORM SEWER, CL.A, R.G., 900 28.196m AT 0.50%
P919 STORM SEWER, CL.A, R.G., 300 5.828m AT 2.0%
P920 STORM SEWER, CL.A, R.G., 300 2.373m AT 2.0%
P921 STORM SEWER, CL.A, R.G., 300 0.863m AT 2.0%
P922 STORM SEWER, CL.A, R.G., 450 29.709m AT 0.90%
P923 STORM SEWER, CL.A, R.G., 1350 5.446m AT 0.50%

PRC 23+016.510
PROP. R.O.W.
EXIST. R.O.W.
TH 50
MATCHLINE STA. 22+950
MATCHLINE STA. 23+125
PIPE UNDERDRAIN, 100mm
PROPOSED ℄ FAP 326 (IL 47)
22+950
23+000
23+050
23+100

(906) INLET TY. A, TY. 8 GRATE
STA. 23+105, 16.674m RT.
GRATE 194.301
INV. 193.641

(907) MH. TY. A, 1.5m DIA., TY. 1 FRAME, CL. LID
STA. 23+105, 12.5m RT.
GRATE 195.175
INV. (N,S) 192.766
INV. (E) 193.557
INV. (W) 194.173

(908) INLET TY. A, TY. 3V F&G
STA. 23+105, 10.066m RT.
GRATE 195.111
INV. 194.222

(909) INLET TY. A, TY. 3V F&G
STA. 23+062, 13.011m LT.
GRATE 194.929
INV. 193.964

(910) MH. TY. A, 1.2m DIA., TY. 1 FRAME, CL. LID
STA. 23+062, 15.351m LT.
GRATE 194.840
INV. (N,S) 192.862
INV. (E) 193.917

(911) MH. TY. A, 1.5m DIA., TY. 1 FRAME, CL. LID
STA. 23+062, 12.5m RT.
GRATE 195.138
INV. (N,S) 192.637
INV. (W) 194.044

(912) INLET TY. A, TY. 3V F&G
STA. 23+062, 10.066m RT.
GRATE 194.982
INV. 194.093

(914) INLET TY. A, TY. 3V F&G
STA. 23+019.508, 10.066m RT.
GRATE 194.867
INV. 193.978

(915) INLET TY. B, TY. 3V F&G
STA. 23+016.511, 10.217m RT.
GRATE 194.866
INV. 193.918

(916) MH. TY. A, 1.5m DIA., TY. 1 FRAME, CL. LID
STA. 23+016.511, 12.5m RT.
GRATE 195.010
INV. (N,S) 192.500
INV. (W) 193.872

(917) CONNECT TO EXISTING
STA. 22+980.926, 17.334m RT.
INV. (W) 192.312

(918) MH. TY. A, 2.1m DIA., TY. 1 FRAME, CL. LID
STA. 22+981.1, 13m RT.
GRATE 194.950
INV. (N) 192.394
INV. (E,W) 192.290
INV. (S) 193.848

(919) INLET TY. A, TY. 3V F&G
STA. 22+974, 13.202m RT.
GRATE 194.879
INV. 193.990

(920) INLET TY. A, TY. 3V F&G
STA. 23+016.264, 14.317m LT.
GRATE 194.786
INV. 193.897

(921) INLET TY. B, TY. 3V F&G
STA. 23+013.264, 14.553m LT.
GRATE 194.786
INV. (N) 193.837
INV. (W) 193.607

(922) MH. TY. A, 1.2m DIA., TY. 1 FRAME, CL. LID
STA. 23+013.264, 16.4m LT.
GRATE 194.500
INV. (N,S) 192.423
INV. (E) 193.570

(923) MH. TY. A, 2.1m DIA., TY. 1 FRAME, CL. LID
STA. 22+982, 17.008m LT.
GRATE 194.524
INV. 192.140

(924) RCP TEE 1.35m W/ 900mm RISER W/ MED. INLET (604106)
STA. 22+982.717, 24m LT.
GRATE 193.800
INV. 192.105

SCALE IN METERS
0 5 10 15

EXISTING PROFILE ALONG ℄
PROPOSED PROFILE GRADE

193.990
900 mm S = 0.30%
192.290
192.394
900 mm S = 0.30%
192.500
900 mm S = 0.30%
192.637
900 mm S = 0.30%
192.896
+105

195.064 195.101
195.091 195.140
195.114 195.168
195.178 195.162
195.247 195.123
195.276 195.095
195.307 195.102
195.329 195.136
195.340 195.174
195.348 195.211
195.360 195.249
195.388 195.286
195.401 195.324
195.412 195.361
195.421 195.399

22+950 22+975 23+000 23+025 23+050 23+075 23+100 23+125

FILE: 433sm47_30.dgn
PLOTTED: 8/11/2011
HMG JOB NO. 5122

CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	434
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SCALE IN METERS
0 5 10 15

(885) INLET TY. A, TY. 3V F&G
STA. 23+252, 13.668m LT.
GRATE 195.130
INV. 194.241

(886) INLET TY. A, TY. 8 GRATE
STA. 22+254.99, 17.22m LT.
GRATE 194.500
INV. 193.840

(887) MH. TY. A, 1.2m DIA.,
TY. 3V F&G
STA. 23+255, 13.968m LT.
GRATE 195.127
INV. (E,W) 193.775
INV. (S) 194.181

(888) MH. TY. A, 1.2m DIA.,
TY. 3V F&G
STA. 23+255, 10.366m RT.
GRATE 195.194
INV. (E,W) 193.531
INV. (S) 194.246

(889) INLET TY. A, TY. 8 GRATE
STA. 23+255, 15.174m RT.
GRATE 194.550
INV. 193.661

(890) MH. TY. A, 1.5m DIA.,
TY. 1 FRAME, CL. LID
STA. 23+255, 12.5m RT.
GRATE 195.213
INV. (N) 193.368
INV. (S) 193,216
INV. (W) 193.489
INV. (E) 193.608

(891) INLET TY. A, TY. 3V F&G
STA. 23+252, 10.066m RT.
GRATE 195.195
INV. 194.306

(892) INLET TY. A, TY. 3V F&G
STA. 23+211, 16.148m RT.
GRATE 195.123
INV. 194.234

(893) MH. TY. A, 1.5m DIA.,
TY. 5 FRAME, CL. LID
STA. 23+211, 12.5m RT.
GRATE 195.271
INV. (N,S) 193.084
INV. (E) 194.161

(894) INLET TY. A, TY. 3V F&G
STA. 23+206.820, 23.852m LT.
GRATE 195.178
INV. 194.289

(895) INLET TY. B, TY. 3V F&G
STA. 23+205.497, 26.555m LT.
GRATE 195.189
INV. 194.239

(896) INLET TY. B, TY. 3V F&G
STA. 23+177.886, 23.961m LT.
GRATE 195.216
INV. 193.962

(897) INLET TY. B, TY. 3V F&G
STA. 23+174.517, 17.531m LT.
GRATE 195.202
INV. 193.889

(898) INLET TYPE B,
TY. 1 FRAME, CL. LID
STA. 23+165, 12m LT.
GRATE 195.409
INV. 193.790

(899) INLET TY. A, TY. 3V F&G
STA. 23+176, 16.013m RT.
GRATE 195.098
INV. 194.209

(900) MH. TY. A, 1.5m DIA.,
TY. 5 FRAME, CL. LID
STA. 23+176, 12.5m RT.
GRATE 195.275
INV. (N,S) 192.979
INV. (E) 194.139

(901) INLET TY. B, TY. 3V F&G
STA. 23+135.003, 11.075m LT.
GRATE 195.190
INV. 193.520

(902) INLET TY. A, TY. 3V F&G
STA. 23+135, 10.066m RT.
GRATE 195.201
INV. 194.312

(903) MH. TY. A, 1.5m DIA.,
TY. 1 FRAME, CL. LID
STA. 23+135, 12.5m RT.
GRATE 195.249
INV. (N,S) 192.856
INV. (W) 194.263

PT 1+164.561

COUNTRYSIDE PARKWAY

PROP. R.O.W.

EXIST. R.O.W.

MATCHLINE STA. 23+125

MATCHLINE STA. 23+300

23+150

23+200

23+250

PIPE UNDERDRAIN, 100mm

PROPOSED ℄ FAP 326 (IL 47)

PT 23+263.022

P885 STORM SEWER, CL.A, R.G., 300
2.213m AT 2.0%

P886 STORM SEWER, CL.A, R.G., 300
2.450m AT 2.0%

P887 STORM SEWER, CL.A, R.G., 300
23.185m AT 1.0%

P888 STORM SEWER, CL.A, R.G., 300
0.825m AT 2.0%

P889 STORM SEWER, CL.A, R.G., 300
1.712m AT 2.0%

(80) CB. TY. A, 1.5m DIA.,
TY. 3V F&G
STA. 23+181.567, 24.419m RT.
GRATE 194.863
INV. (N) 192.990
INV. (S) 192.977
INV. (E) 193.590
SUMP 192.127
EX. PIPES ARE 375 RCP
VARIFY ELEVATIONS PRIOR
TO ORDERING STRUCTURE

P890 STORM SEWER, CL.A, R.G., 900
42.964m AT 0.30%

P891 STORM SEWER, CL.A, R.G., 300
2.213m AT 2.0%

P892 STORM SEWER, CL.A, R.G., 300
2.686m AT 2.0%

P893 STORM SEWER, CL.A, R.G., 900
33.964m AT 0.30%

P894 STORM SEWER, CL.A, R.G., 300
2.373m AT 1.66%

P895 STORM SEWER, CL.A, R.G., 300
26.913m AT 1.0%

P896 STORM SEWER, CL.A, R.G., 300
6.440m AT 1.0%

P897 STORM SEWER, CL.A, R.G., 450
10.304m AT 0.90%

P898 STORM SEWER, CL.A, R.G., 450
29.308m AT 0.90%

P899 STORM SEWER, CL.A, R.G., 300
2.551m AT 2.0%

P900 STORM SEWER, CL.A, R.G., 900
39.964m AT 0.30%

P901 STORM SEWER, CL.A, R.G., 450
39.094m AT 0.90%

P902 STORM SEWER, CL.A, R.G., 300
1.472m AT 2.0%

P903 STORM SEWER, CL.A, R.G., 900
28.964m AT 0.30%

EXISTING PROFILE ALONG ℄
PROPOSED PROFILE GRADE

STANDARD DITCH LEFT
TRAIL P.G. -0.2m

STANDARD DITCH
RIGHT P.G. -1.038m

SPECIAL DITCH
LEFT AT -2.00%

STANDARD DITCH
RIGHT P.G. -0.871m

900 mm S = 0.30%
900 mm S = 0.30%
900 mm S = 0.30%
900 mm S = 0.30%
750 mm S = 0.35%

+127 +156 +166 +219 +230 LT 195.000 +255 LT 194.500

192.856 192.979 193.084 193.216 193.368

195.421 195.399 | 195.437 195.436 | 195.449 195.474 | 195.458 195.511 | 195.451 195.549 | 195.446 195.571 | 195.457 195.561 | 195.485 195.526 | 195.540 195.489 | 195.543 195.451 | 195.549 195.424 | 195.571 195.427 | 195.589 195.459 | 195.585 195.496 | 195.595 195.534

23+125 23+150 23+175 23+200 23+225 23+250 23+275 23+300

FILE: 434stm47_31.dgn
PLOTTED: 8/11/2011

HMG JOB NO. 5122

HMG ENGINEERS, INC., 1075 LAKE RD., P.O. BOX 70, CARLYLE, ILLINOIS 62231 (618)-594-3711 WWW.HMGENGINEERS.COM

STORM SEWER - FAP 326 (IL. RTE 47)

CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	435
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

(864) FLARED END SECTION
STA. 23+465, 9.899m LT.
INV. 194.826

(865) INLET TY. B, TY. 3V F&G
STA. 23+465, 10.217m RT.
GRATE 195.471
INV. 194.424

(866) INLET TY. A, TY. 8 GRATE
STA. 23+465, 15.475m RT.
GRATE 194.728
INV. 194.144

(867) MH. TY. A, 1.2m DIA., TY. 1 FRAME, CL. LID
STA. 23+465, 12.5m RT.
GRATE 195.534
INV. (N,S) 194.103
INV. (W) 194.378
INV. (E) 194.114

(868) INLET TY. A, TY. 3V F&G
STA. 23+446.889, 17.305m RT.
GRATE 195.348
INV. 194.459

(869) INLET TY. B, TY. 3V F&G
STA. 23+442.854, 23.803m RT.
GRATE 195.318
INV. 194.383

(870) INLET TY. B, TY. 3V F&G
STA. 23+429.982, 23.719m RT.
GRATE 195.280
INV. 194.254

(871) INLET TY. B, TY. 3V F&G
STA. 23+425.500, 17.012m RT.
GRATE 195.256
INV. 194.173

(872) MH. TY. A, 1.2m DIA., TY. 5 FRAME, CL. LID
STA. 23+425.5, 12.5m RT.
GRATE 195.337
INV. (N,S) 193.965
INV. (E) 194.083

(873) INLET TY. A, TY. 3V F&G
STA. 23+392, 10.068m LT.
GRATE 195.296
INV. 194.407

(874) INLET TY. B, TY. 3V F&G
STA. 23+395, 10.217m LT.
GRATE 195.295
INV. 194.347

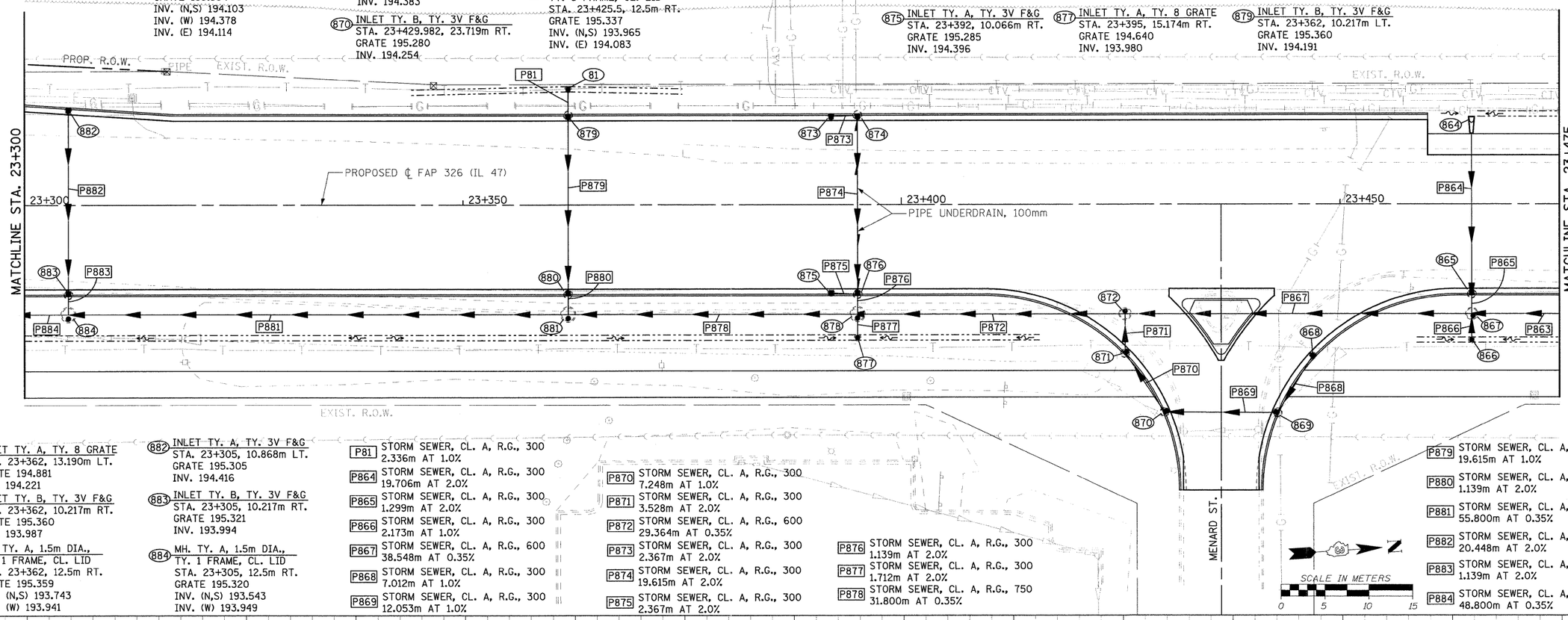
(875) INLET TY. A, TY. 3V F&G
STA. 23+392, 10.066m RT.
GRATE 195.285
INV. 194.396

(876) INLET TY. B, TY. 3V F&G
STA. 23+395, 10.217m RT.
GRATE 195.284
INV. (E,W) 193.938
INV. (S) 194.336

(877) INLET TY. A, TY. 8 GRATE
STA. 23+395, 15.174m RT.
GRATE 194.640
INV. 193.980

(878) MH. TY. A, 1.5m DIA., TY. 1 FRAME, CL. LID
STA. 23+395, 12.5m RT.
GRATE 195.282
INV. (N,S) 193.858
INV. (W) 193.893
INV. (E) 193.926

(879) INLET TY. B, TY. 3V F&G
STA. 23+362, 10.217m LT.
GRATE 195.360
INV. 194.191



(81) INLET TY. A, TY. 8 GRATE
STA. 23+362, 13.190m LT.
GRATE 194.881
INV. 194.221

(880) INLET TY. B, TY. 3V F&G
STA. 23+362, 10.217m RT.
GRATE 195.360
INV. 193.987

(881) MH. TY. A, 1.5m DIA., TY. 1 FRAME, CL. LID
STA. 23+362, 12.5m RT.
GRATE 195.359
INV. (N,S) 193.743
INV. (W) 193.941

(882) INLET TY. A, TY. 3V F&G
STA. 23+305, 10.868m LT.
GRATE 195.305
INV. 194.416

(883) INLET TY. B, TY. 3V F&G
STA. 23+305, 10.217m RT.
GRATE 195.321
INV. 193.994

(884) MH. TY. A, 1.5m DIA., TY. 1 FRAME, CL. LID
STA. 23+305, 12.5m RT.
GRATE 195.320
INV. (N,S) 193.543
INV. (W) 193.949

P81 STORM SEWER, CL. A, R.G., 300
2.336m AT 1.0%

P864 STORM SEWER, CL. A, R.G., 300
19.706m AT 2.0%

P865 STORM SEWER, CL. A, R.G., 300
1.299m AT 2.0%

P866 STORM SEWER, CL. A, R.G., 300
2.173m AT 1.0%

P867 STORM SEWER, CL. A, R.G., 600
38.548m AT 0.35%

P868 STORM SEWER, CL. A, R.G., 300
7.012m AT 1.0%

P869 STORM SEWER, CL. A, R.G., 300
12.053m AT 1.0%

P870 STORM SEWER, CL. A, R.G., 300
7.248m AT 1.0%

P871 STORM SEWER, CL. A, R.G., 300
3.528m AT 2.0%

P872 STORM SEWER, CL. A, R.G., 600
29.364m AT 0.35%

P873 STORM SEWER, CL. A, R.G., 300
2.367m AT 2.0%

P874 STORM SEWER, CL. A, R.G., 300
19.615m AT 2.0%

P875 STORM SEWER, CL. A, R.G., 300
2.367m AT 2.0%

P876 STORM SEWER, CL. A, R.G., 300
1.139m AT 2.0%

P877 STORM SEWER, CL. A, R.G., 300
1.712m AT 2.0%

P878 STORM SEWER, CL. A, R.G., 750
31.800m AT 0.35%

P879 STORM SEWER, CL. A, R.G., 300
19.615m AT 1.0%

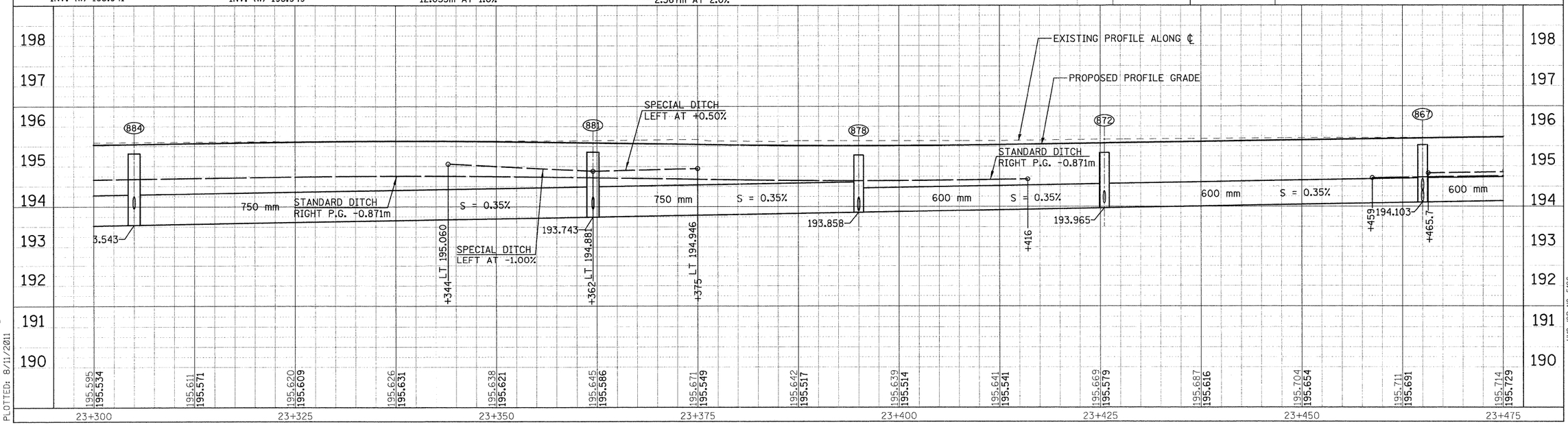
P880 STORM SEWER, CL. A, R.G., 300
1.139m AT 2.0%

P881 STORM SEWER, CL. A, R.G., 750
55.800m AT 0.35%

P882 STORM SEWER, CL. A, R.G., 300
20.448m AT 2.0%

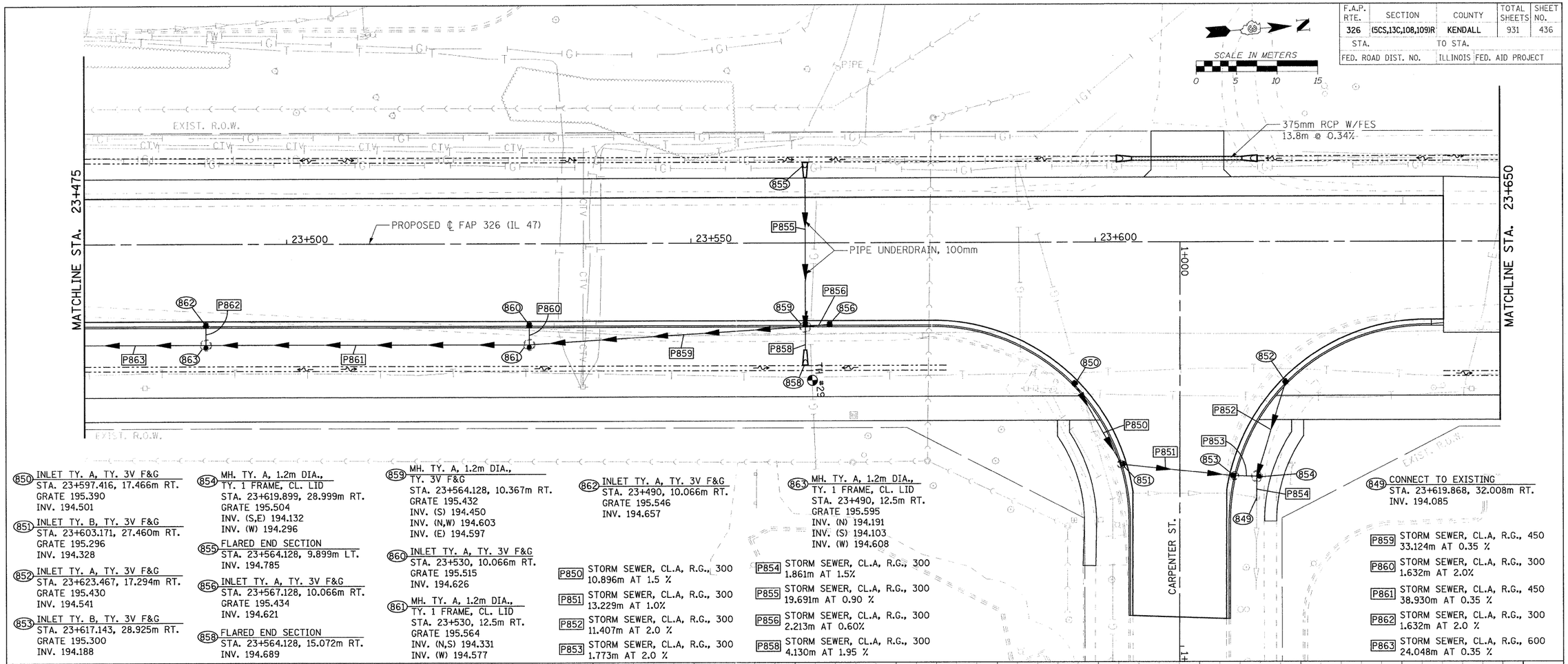
P883 STORM SEWER, CL. A, R.G., 300
1.139m AT 2.0%

P884 STORM SEWER, CL. A, R.G., 750
48.800m AT 0.35%



CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	436
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



(850) INLET TY. A, TY. 3V F&G
STA. 23+597.416, 17.466m RT.
GRATE 195.390
INV. 194.501

(851) INLET TY. B, TY. 3V F&G
STA. 23+603.171, 27.460m RT.
GRATE 195.296
INV. 194.328

(852) INLET TY. A, TY. 3V F&G
STA. 23+623.467, 17.294m RT.
GRATE 195.430
INV. 194.541

(853) INLET TY. B, TY. 3V F&G
STA. 23+617.143, 28.925m RT.
GRATE 195.300
INV. 194.188

(854) MH. TY. A, 1.2m DIA.,
TY. 1 FRAME, CL. LID
STA. 23+619.899, 28.999m RT.
GRATE 195.504
INV. (S,E) 194.132
INV. (W) 194.296

(855) FLARED END SECTION
STA. 23+564.128, 9.899m LT.
INV. 194.785

(856) INLET TY. A, TY. 3V F&G
STA. 23+567.128, 10.066m RT.
GRATE 195.434
INV. 194.621

(858) FLARED END SECTION
STA. 23+564.128, 15.072m RT.
INV. 194.689

(859) MH. TY. A, 1.2m DIA.,
TY. 3V F&G
STA. 23+564.128, 10.367m RT.
GRATE 195.432
INV. (S) 194.450
INV. (N,W) 194.603
INV. (E) 194.597

(860) INLET TY. A, TY. 3V F&G
STA. 23+530, 10.066m RT.
GRATE 195.515
INV. 194.626

(861) MH. TY. A, 1.2m DIA.,
TY. 1 FRAME, CL. LID
STA. 23+530, 12.5m RT.
GRATE 195.564
INV. (N,S) 194.331
INV. (W) 194.577

(862) INLET TY. A, TY. 3V F&G
STA. 23+490, 10.066m RT.
GRATE 195.546
INV. 194.657

(863) MH. TY. A, 1.2m DIA.,
TY. 1 FRAME, CL. LID
STA. 23+490, 12.5m RT.
GRATE 195.595
INV. (N) 194.191
INV. (S) 194.103
INV. (W) 194.608

P850 STORM SEWER, CL.A, R.G., 300
10.896m AT 1.5 %

P851 STORM SEWER, CL.A, R.G., 300
13.229m AT 1.0%

P852 STORM SEWER, CL.A, R.G., 300
11.407m AT 2.0 %

P853 STORM SEWER, CL.A, R.G., 300
1.773m AT 2.0 %

P854 STORM SEWER, CL.A, R.G., 300
1.861m AT 1.5%

P855 STORM SEWER, CL.A, R.G., 300
19.691m AT 0.90 %

P856 STORM SEWER, CL.A, R.G., 300
2.213m AT 0.60%

P858 STORM SEWER, CL.A, R.G., 300
4.130m AT 1.95 %

(849) CONNECT TO EXISTING
STA. 23+619.868, 32.008m RT.
INV. 194.085

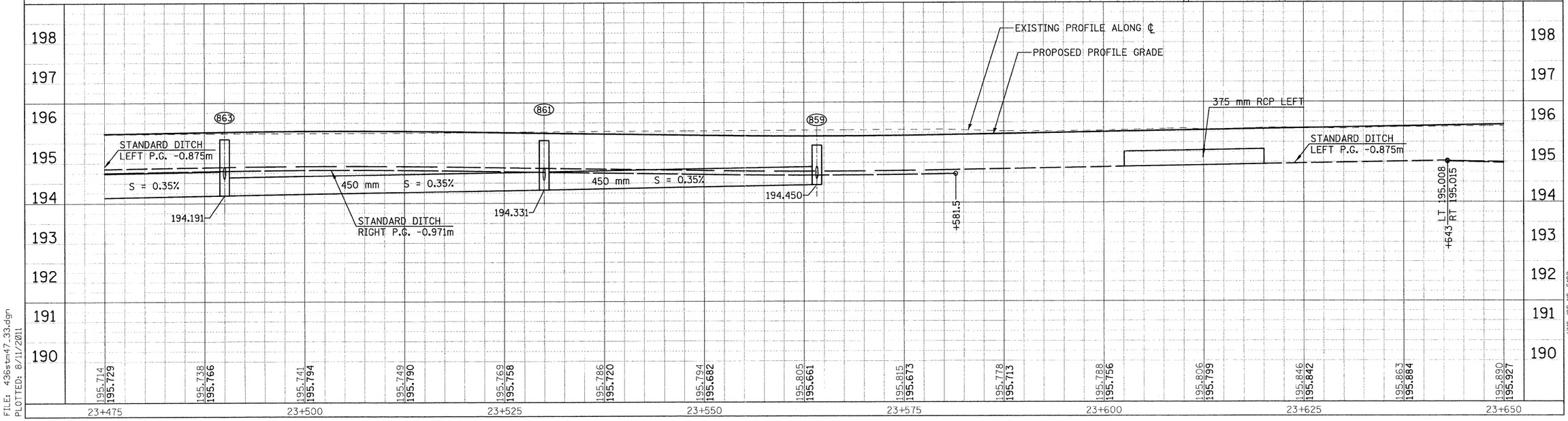
P859 STORM SEWER, CL.A, R.G., 450
33.124m AT 0.35 %

P860 STORM SEWER, CL.A, R.G., 300
1.632m AT 2.0%

P861 STORM SEWER, CL.A, R.G., 450
38.930m AT 0.35 %

P862 STORM SEWER, CL.A, R.G., 300
1.632m AT 2.0 %

P863 STORM SEWER, CL.A, R.G., 600
24.048m AT 0.35 %



FILE: 436stm47_33.dgn
PLOTTED: 8/11/2011
HMG JOB NO. 5122

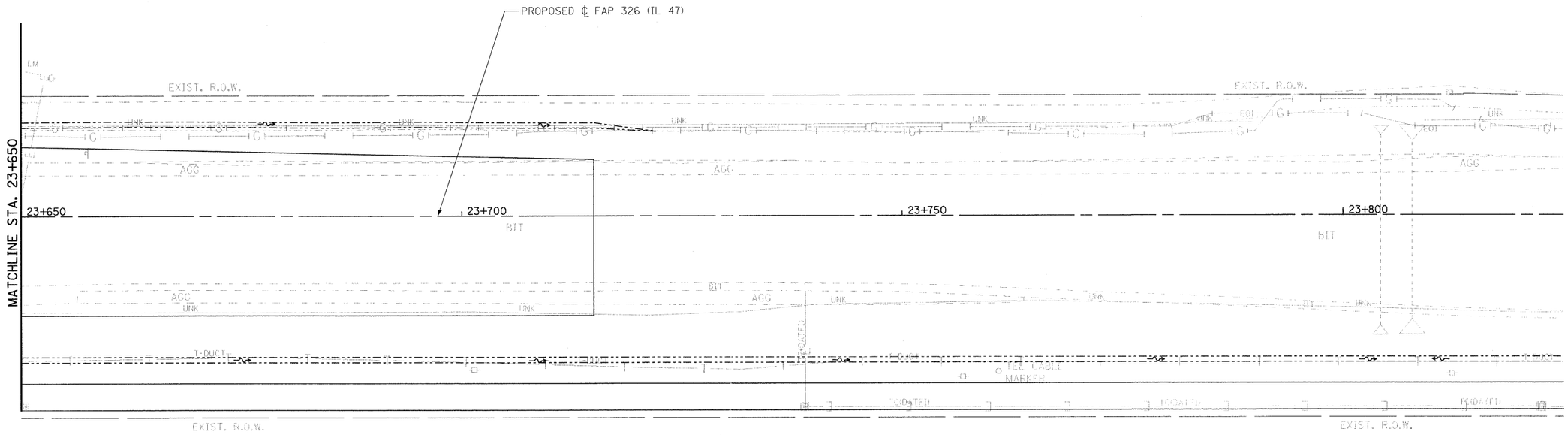
HMG ENGINEERS, INC., 1075 LAKE RD., P.O. BOX 70, CARLYLE, ILLINOIS 62231 (618)-594-3711 WWW.HMGENGINEERS.COM

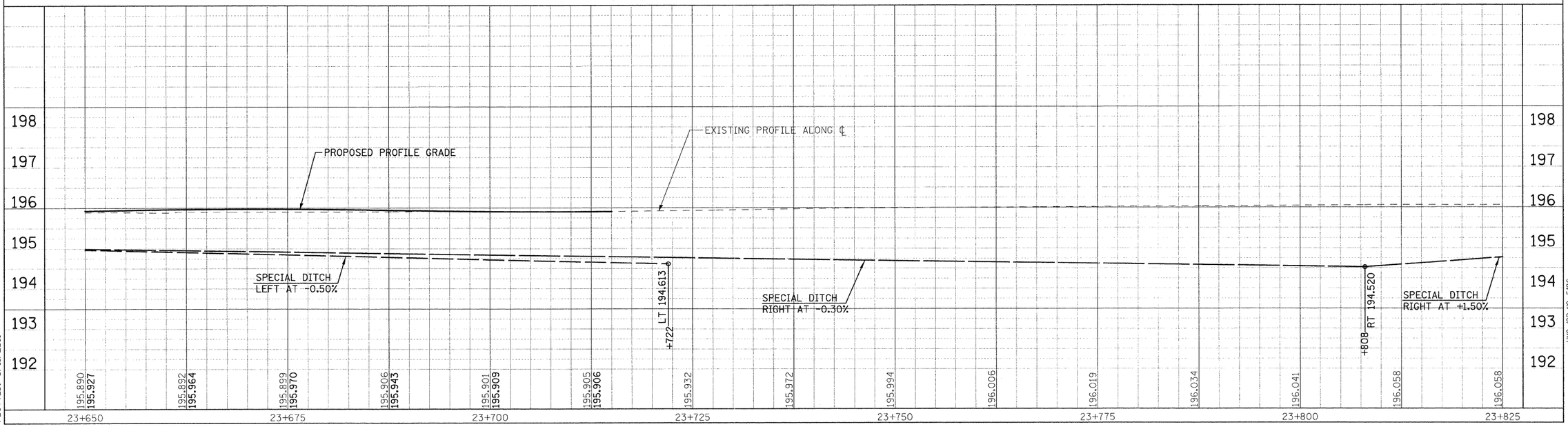
STORM SEWER - FAP 326 (IL. RTE 47)

Sheet: 32
Angles: 85.535
Chains: 1.267

CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	437
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	





FILE: 437stm47_34.dgn
PLOTTED: 8/11/2011

HMG JOB NO. 5122

CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	438
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

P464 STORM SEWER, CL. A, R.G., 600
34.242m AT 0.50%

P462 STORM SEWER, CL. A, R.G., 300
2.271m AT 2.00%

P461 STORM SEWER, CL. A, R.G., 300
20.198m AT 2.00%

P460 STORM SEWER, CL. A, R.G., 300
1.852m AT 2.00%

P459 STORM SEWER, CL. A, R.G., 450
36.578m AT 1.00%

P457 STORM SEWER, CL. A, R.G., 300
3.373m AT 4.00%

P456 STORM SEWER, CL. A, R.G., 300
1.890m AT 2.00%

P455 STORM SEWER, CL. A, R.G., 300
36.862m AT 2.00%

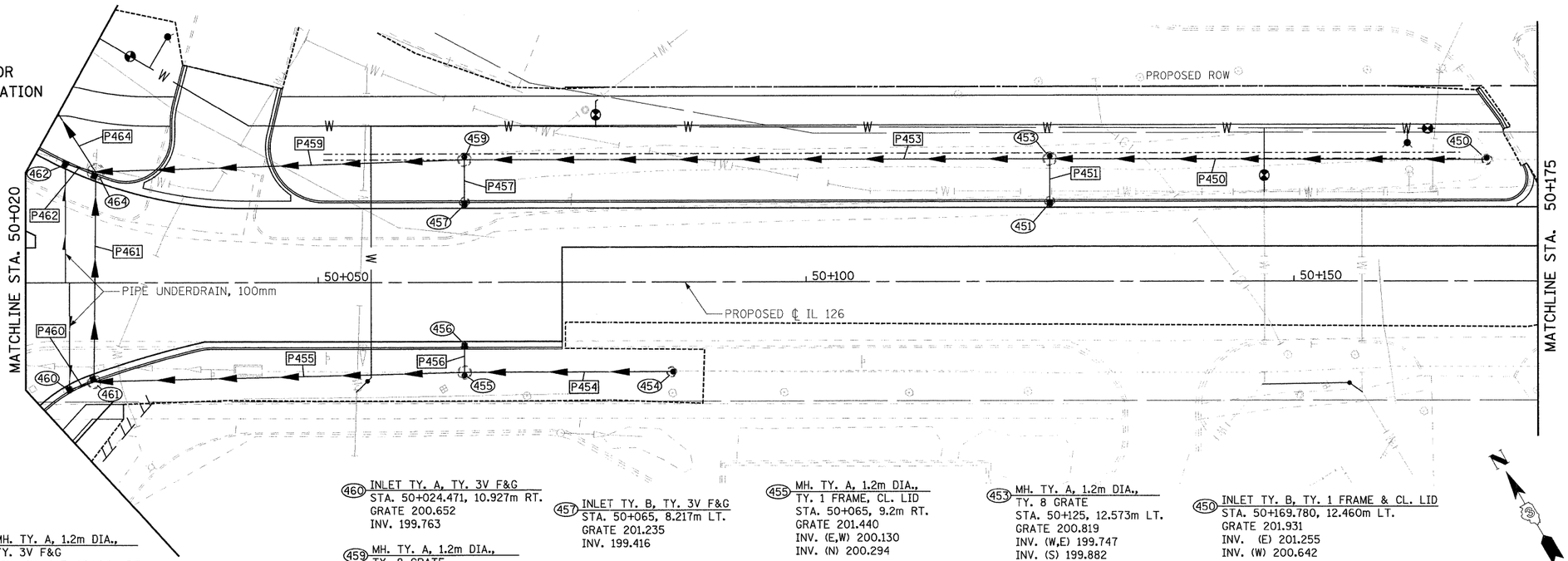
P454 STORM SEWER, CL. A, R.G., 300
20.435m AT 2.00%

P453 STORM SEWER, CL. A, R.G., 450
58.930m AT 1.00%

P451 STORM SEWER, CL. A, R.G., 300
3.372m AT 4.00%

P450 STORM SEWER, CL.A, R.G., 450
43.893m AT 2.00%

SEE IL. RTE. 47 FOR
STORM SEWER CONTINUATION



464 MH. TY. A, 1.5m DIA.,
TY. 3V F&G
STA. 50+027.202, 11.382m LT.
GRATE 200.695
INV. (N)
INV. (NW) 199.748
INV. (SW) 198.939
INV. (E) 198.768

462 INLET TY. A, TY. 3V F&G
STA. 50+024.077, 12.21m LT.
GRATE 200.702
INV. 199.813

461 MH. TY. A, 1.2m DIA.,
TY. 3V F&G
STA. 50+027, 10.124m RT.
GRATE 200.662
INV. (W) 199.710
INV. (N,E) 199.370

460 INLET TY. A, TY. 3V F&G
STA. 50+024.471, 10.927m RT.
GRATE 200.652
INV. 199.763

459 MH. TY. A, 1.2m DIA.,
TY. 8 GRATE
STA. 50+065, 12.574m LT.
GRATE 200.173
INV. (S) 199.236
INV. (E,W) 199.147

457 INLET TY. B, TY. 3V F&G
STA. 50+065, 8.217m LT.
GRATE 201.235
INV. 199.416

456 INLET TY. A, TY. 3V F&G
STA. 50+065, 6.508m RT.
GRATE 201.237
INV. 200.348

455 MH. TY. A, 1.2m DIA.,
TY. 1 FRAME, CL. LID
STA. 50+065, 9.2m RT.
GRATE 201.440
INV. (E,W) 200.130
INV. (N) 200.294

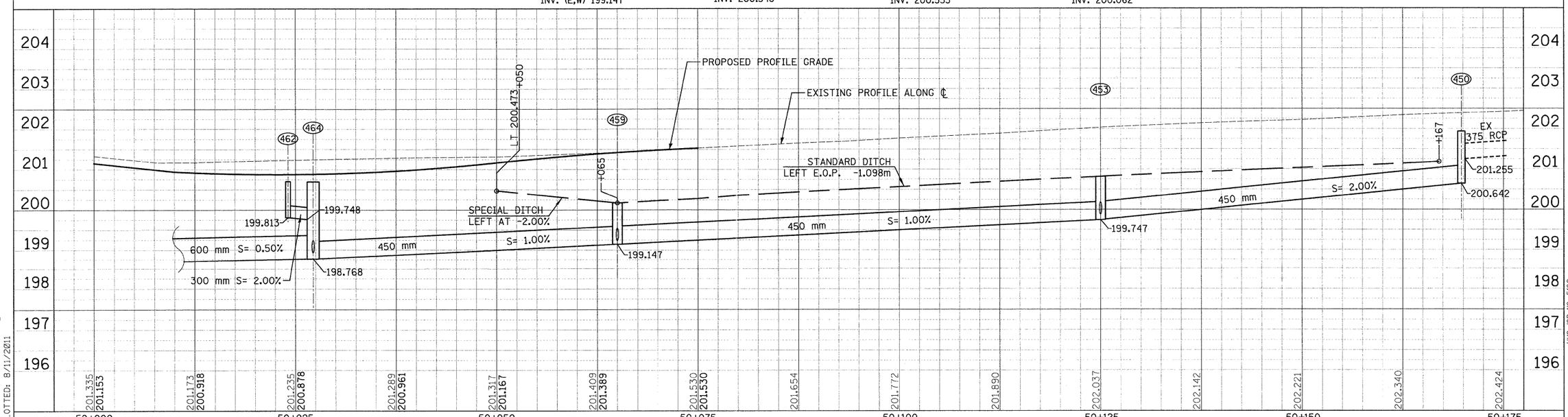
454 INLET TY. A, TY. 8 GRATE
STA. 50+086.237, 9.152m RT.
GRATE 201.215
INV. 200.555

453 MH. TY. A, 1.2m DIA.,
TY. 8 GRATE
STA. 50+125, 12.573m LT.
GRATE 200.819
INV. (W,E) 199.747
INV. (S) 199.882

451 INLET TY. B, TY. 3V F&G
STA. 50+125, 8.217m LT.
GRATE 201.881
INV. 200.062

450 INLET TY. B, TY. 1 FRAME & CL. LID
STA. 50+169.780, 12.460m LT.
GRATE 201.931
INV. (E) 201.255
INV. (W) 200.642

SCALE IN METERS
0 5 10 15



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PLOTTED: 8/11/2011

HMG JOB NO. 5122

STORM SEWER - IL. RTE. 126

CONTRACT NO. 66671

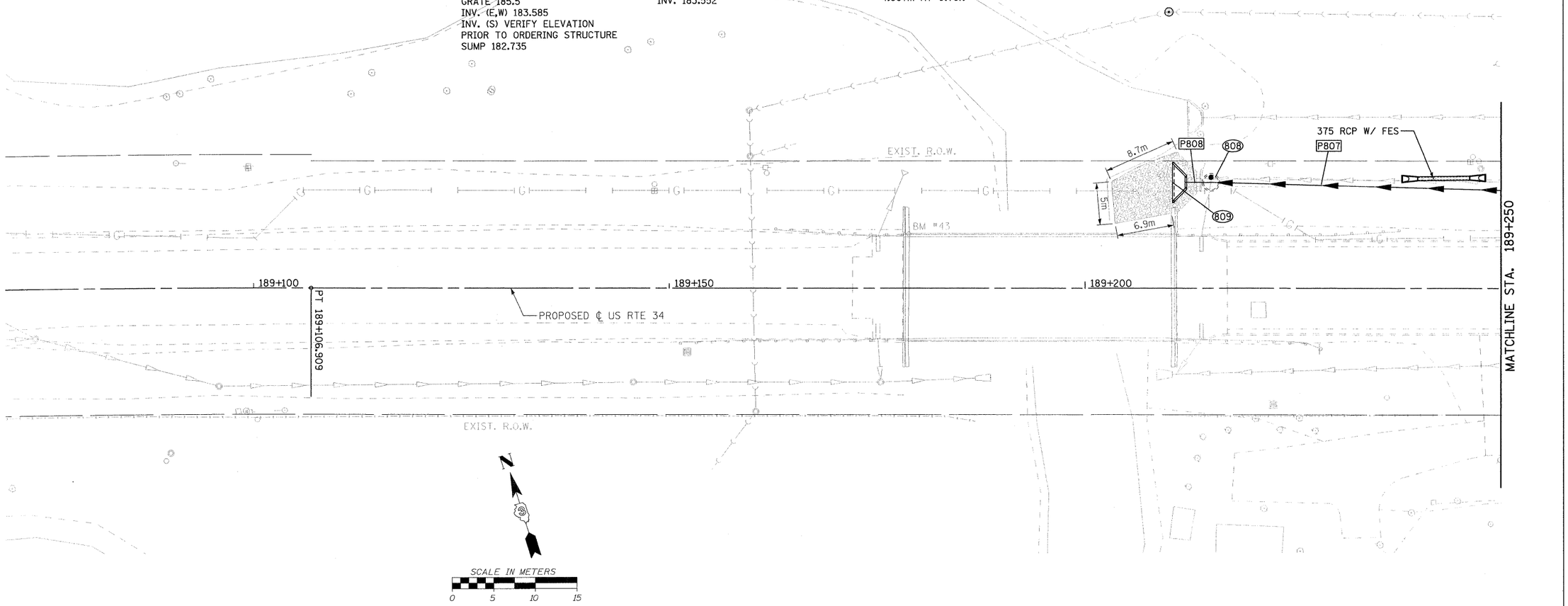
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	439
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

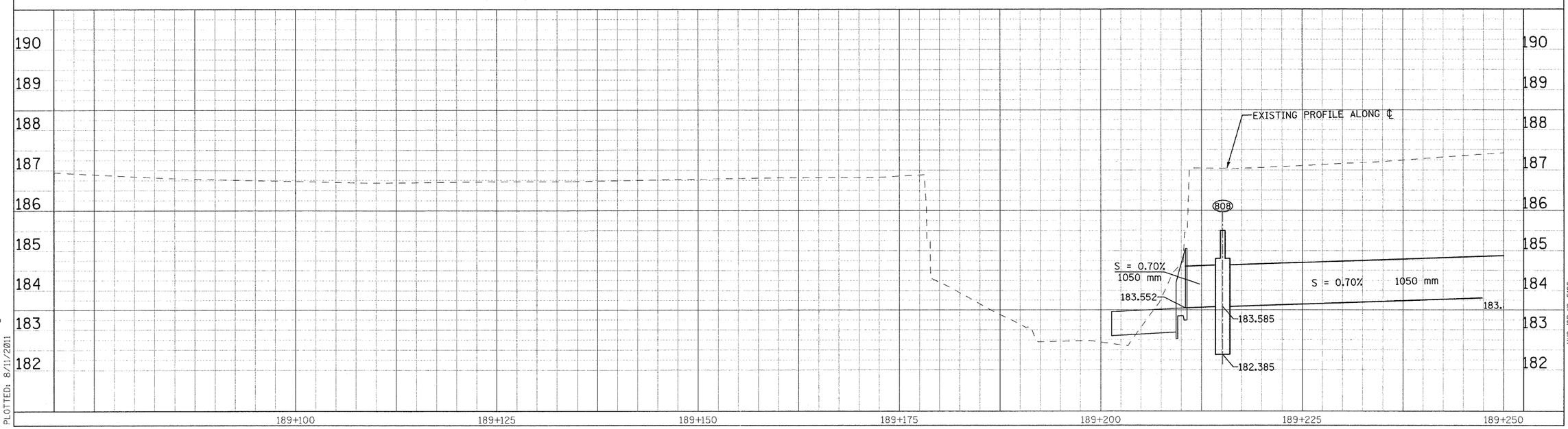
(808) CB. TY. A, 1.8m DIA.,
TY. 1 FRAME, CL. LID
STA. 189+215.139, 12.675m LT.
GRATE 185.5
INV. (E,W) 183.585
INV. (S) VERIFY ELEVATION
PRIOR TO ORDERING STRUCTURE
SUMP 182.735

(809) CAST IN PLACE REINFORCED
CONCRETE END SECTION 1200mm
STA. 189+210.500, 12.675m LT.
INV. 183.552

P807 STORM SEWER, CL.A, R.G., 1200
37.592m AT 0.70%

P808 STORM SEWER, CL.A, R.G., 1200
4.097m AT 0.70%





FILE: 439stmUS34_1.dgn
PLOTTED: 8/11/2011

HMG JOB NO. 5122

HMG ENGINEERS, INC., 1075 LAKE RD., P.O. BOX 70, CARLYLE, ILLINOIS 62231 (618)-594-3711 WWW.HMGENGINEERS.COM

STORM SEWER - US ROUTE 34

CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	440
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

P803 STORM SEWER, CL.A, R.G., 1200
43.916m AT 0.70%

P804 STORM SEWER, CL.A, R.G., 1200
49.003m AT 0.70%

P805 STORM SEWER, CL.A, R.G., 1200
33.833m AT 0.70%

P805B STORM SEWER, CL.A, R.G., 450
1.852m AT 9.7%

P806 STORM SEWER, CL.A, R.G., 1200
35.123m AT 0.70%

EX SAN MH
RIM= 186.544
N FL= 184.715
W FL= 184.655

MATCHLINE STA. 189+250

MATCHLINE STA. 189+425

PC 189+269.511

TH #32

REMOVE EXISTING MANHOLE AND PIPE TO NEAREST JOINT AND EXTEND WITH NEW PIPE

189+250 189+300 189+350 189+400

PROPOSED ℄ US RTE 34

EXIST. R.O.W.

BM #42

BASKETBALL POST

FLAG POLE

CTV

(803) MH. TY. A, 1.8m DIA.,
TY. 1 FRAME, CL. LID
STA. 189+420, 12.884m LT.
GRATE 192.850
INV. (E) 188.982
INV. (W) 188.067

(804) MH. TY. A, 1.8m DIA.,
TY. 1 FRAME, CL. LID
STA. 189+375, 12.841m LT.
GRATE 191.108
INV. (E) 187.752
INV. (W) 186.838

(805) MH. TY. A, 1.8m DIA.,
TY. 1 FRAME, CL. LID
STA. 189+324.913, 12.843m LT.
GRATE 189.805
INV. (E) 186.487
INV. (W) 185.573
INV. (S) 186.995

(806) MH. TY. A, 1.8m DIA.,
TY. 1 FRAME, CL. LID
STA. 189+290, 12.313m LT.
GRATE 187.232
INV. (E) 185.328
INV. (W) 184.719

(807) MH. TY. A, 1.8m DIA.,
TY. 1 FRAME, CL. LID
STA. 189+253.8, 11.628m LT.
GRATE 186.693
INV. (E) 184.465
INV. (W) 183.856
INV. (S) VERIFY ELEVATION PRIOR TO ORDERING STRUCTURE

SCALE IN METERS
0 5 10 15

EXISTING PROFILE ALONG ℄

S = 0.70% 1050 mm

183.856
184.465
184.719
185.328
185.573
186.487
186.838
187.752
188.067
188.982

189+250 189+275 189+300 189+325 189+350 189+375 189+400 189+425

193 192 191 190 189 188 187 186 185 184

FILE: 440stmUS34_2.dgn
PLOTTED: 8/11/2011

HMG JOB NO. 5122

HMG ENGINEERS, INC., 1075 LAKE RD., P.O. BOX 70, CARLYLE, ILLINOIS 62231 (618)-594-3711 WWW.HMGENGINEERS.COM

STORM SEWER - US ROUTE 34

CONTRACT NO. 66671

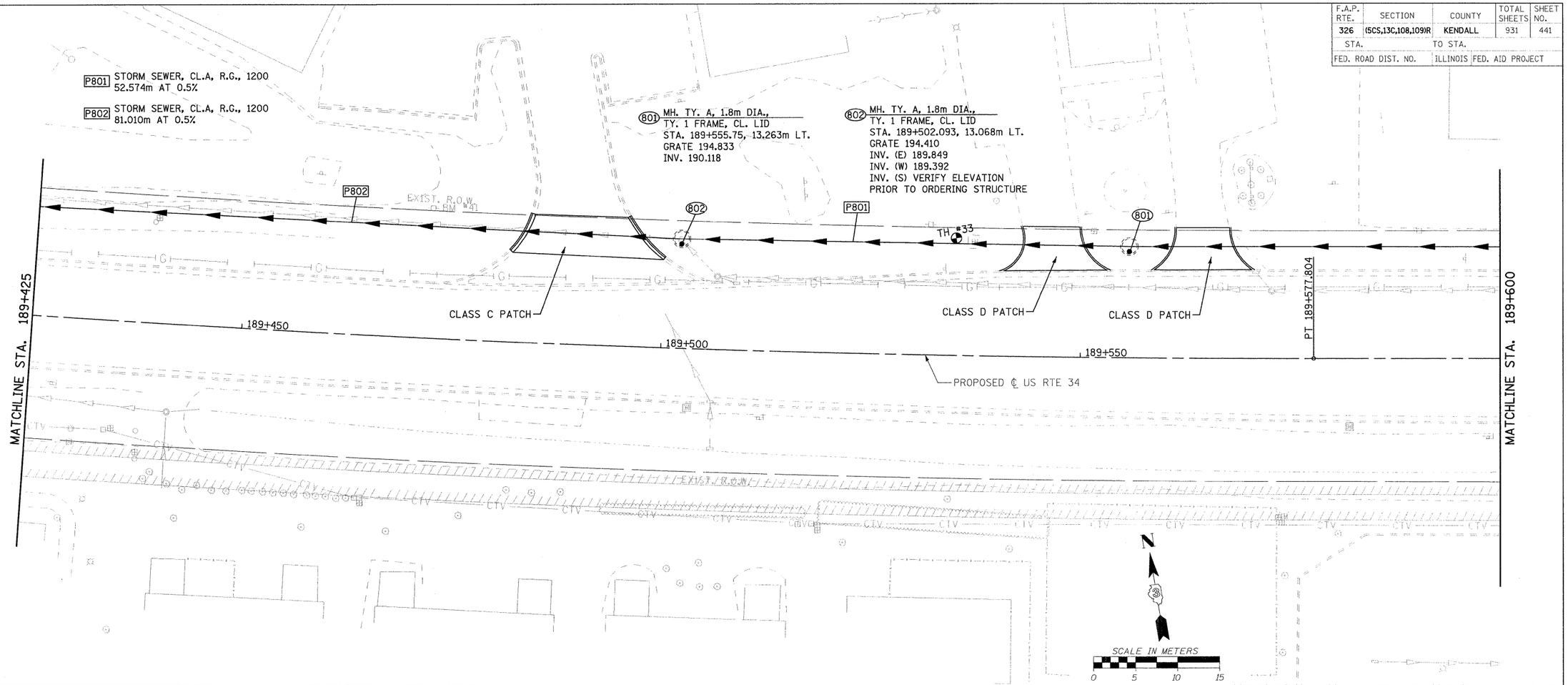
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	441
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

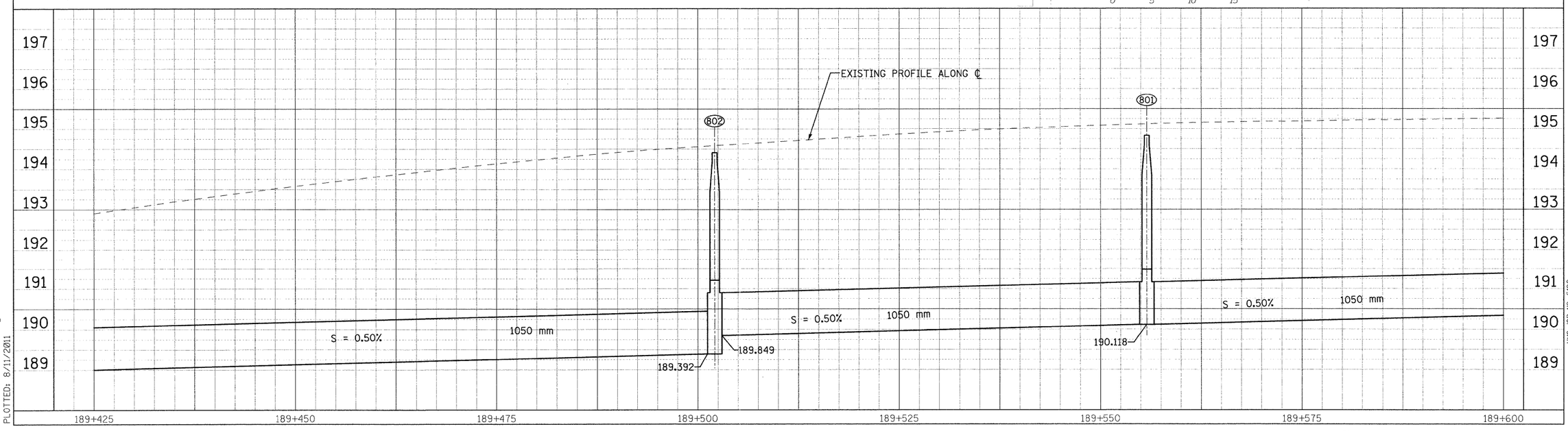
P801 STORM SEWER, CL.A, R.C., 1200
52.574m AT 0.5%

P802 STORM SEWER, CL.A, R.C., 1200
81.010m AT 0.5%

801 MH. TY. A, 1.8m DIA.,
TY. 1 FRAME, CL. LID
STA. 189+555.75, 13.263m LT.
GRATE 194.833
INV. 190.118

802 MH. TY. A, 1.8m DIA.,
TY. 1 FRAME, CL. LID
STA. 189+502.093, 13.068m LT.
GRATE 194.410
INV. (E) 189.849
INV. (W) 189.392
INV. (S) VERIFY ELEVATION
PRIOR TO ORDERING STRUCTURE





FILE: 441stmUS34_3.dgn
PLOTTED: 8/11/2011

HMG JOB NO. 5122

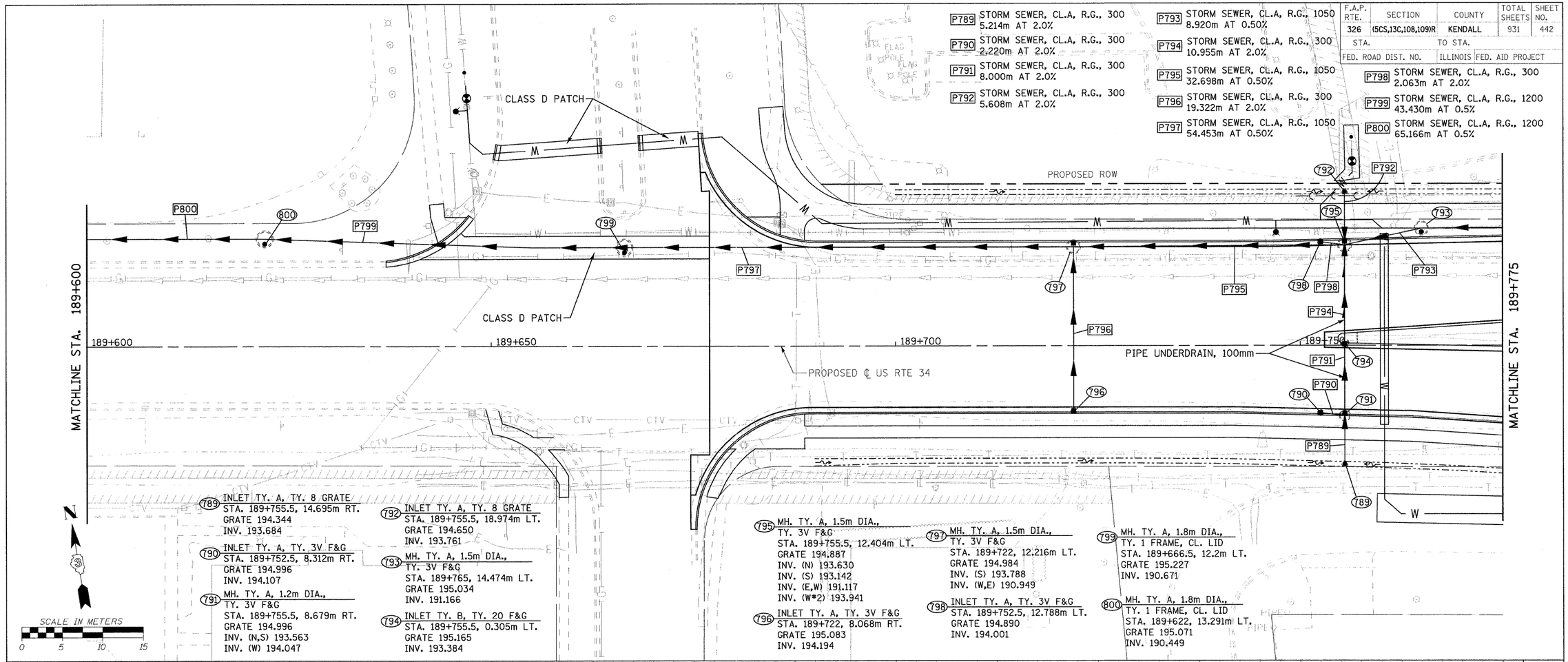
HMG ENGINEERS, INC., 1075 LAKE RD., P.O. BOX 70, CARLYLE, ILLINOIS 62231 (618)-594-3711 WWW.HMGENGINEERS.COM

STORM SEWER - US ROUTE 34

CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	442
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

P789 STORM SEWER, CL.A, R.G., 300 5.214m AT 2.0%
P790 STORM SEWER, CL.A, R.G., 300 2.220m AT 2.0%
P791 STORM SEWER, CL.A, R.G., 300 8.000m AT 2.0%
P792 STORM SEWER, CL.A, R.G., 300 5.608m AT 2.0%
P793 STORM SEWER, CL.A, R.G., 1050 8.920m AT 0.50%
P794 STORM SEWER, CL.A, R.G., 300 10.955m AT 2.0%
P795 STORM SEWER, CL.A, R.G., 1050 32.698m AT 0.50%
P796 STORM SEWER, CL.A, R.G., 300 19.322m AT 2.0%
P797 STORM SEWER, CL.A, R.G., 1050 54.453m AT 0.50%
P798 STORM SEWER, CL.A, R.G., 300 2.063m AT 2.0%
P799 STORM SEWER, CL.A, R.G., 1200 43.430m AT 0.5%
P800 STORM SEWER, CL.A, R.G., 1200 65.166m AT 0.5%



(789) INLET TY. A, TY. 8 GRATE
STA. 189+755.5, 14.695m RT.
GRATE 194.344
INV. 193.684

(790) INLET TY. A, TY. 3V F&G
STA. 189+752.5, 8.312m RT.
GRATE 194.996
INV. 194.107

(791) MH. TY. A, 1.2m DIA.,
TY. 3V F&G
STA. 189+755.5, 8.679m RT.
GRATE 194.996
INV. (N,S) 193.563
INV. (W) 194.047

(792) INLET TY. A, TY. 8 GRATE
STA. 189+755.5, 18.974m LT.
GRATE 194.650
INV. 193.761

(793) MH. TY. A, 1.5m DIA.,
TY. 3V F&G
STA. 189+765, 14.474m LT.
GRATE 195.034
INV. 191.166

(794) INLET TY. B, TY. 20 F&G
STA. 189+755.5, 0.305m LT.
GRATE 195.165
INV. 193.384

(795) MH. TY. A, 1.5m DIA.,
TY. 3V F&G
STA. 189+755.5, 12.404m LT.
GRATE 194.887
INV. (N) 193.630
INV. (S) 193.142
INV. (E,W) 191.117
INV. (W*2) 193.941

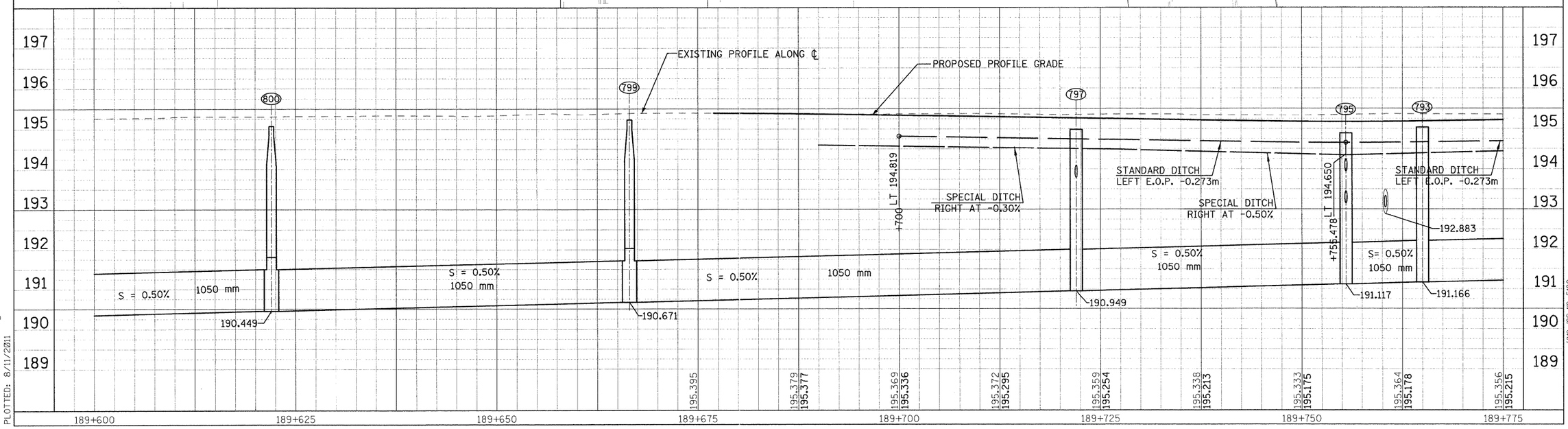
(796) INLET TY. A, TY. 3V F&G
STA. 189+722, 8.068m RT.
GRATE 195.083
INV. 194.194

(797) MH. TY. A, 1.5m DIA.,
TY. 3V F&G
STA. 189+722, 12.216m LT.
GRATE 194.984
INV. (S) 193.788
INV. (W,E) 190.949

(798) INLET TY. A, TY. 3V F&G
STA. 189+752.5, 12.788m LT.
GRATE 194.890
INV. 194.001

(799) MH. TY. A, 1.8m DIA.,
TY. 1 FRAME, CL. LID
STA. 189+666.5, 12.2m LT.
GRATE 195.227
INV. 190.671

(800) MH. TY. A, 1.8m DIA.,
TY. 1 FRAME, CL. LID
STA. 189+622, 13.291m LT.
GRATE 195.071
INV. 190.449



FILE: 442stnUS34_4.dgn
PLOTTED: 8/11/2011

HMG JOB NO. 5122

CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	443
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

P726 STORM SEWER, CL.A, R.G., 300
7.800m AT 2.0%

P727 STORM SEWER, CL.A, R.G., 750
19.096m AT 0.30%

P728 STORM SEWER, CL.A, R.G., 300
2.213m AT 2.0%

P729 STORM SEWER, CL.A, R.G., 750
8.346m AT 0.30%

P774 STORM SEWER, CL.A, R.G., 300
2.905m AT 2.0%

P775 STORM SEWER, CL.A, R.G., 300
0.854m AT 2.0%

P776 STORM SEWER, CL.A, R.G., 1050
37.954m AT 0.50%

P777 STORM SEWER, CL.A, R.G., 300
18.947m AT 2.0%

P778 STORM SEWER, CL.A, R.G., 300
9.056m AT 2.0%

P779 STORM SEWER, CL.A, R.G., 300
12.658m AT 2.0%

P780 STORM SEWER, CL.A, R.G., 1050
59.220m AT 0.50%

P782 STORM SEWER, CL.A, R.G., 300
2.367m AT 2.0%

P783 STORM SEWER, CL.A, R.G., 300
17.540m AT 2.0%

P784 STORM SEWER, CL.A, R.G., 300
4.198m AT 2.0%

P785 STORM SEWER, CL.A, R.G., 300
9.578m AT 2.0%

P786 STORM SEWER, CL.A, R.G., 300
2.134m AT 2.0%

P787 STORM SEWER, CL.A, R.G., 1050
79.180m AT 0.50%

(726) INLET TY. A, TY. 3V F&G
STA. 189+935, 13.968m RT.
GRATE 194.721
INV. 193.832

(727) MH. TY. A, 1.8m DIA.,
TY. 3V F&G
STA. 189+943.75, 14.418m RT.
GRATE 194.739
INV. (W) 193.657
INV. (E) 192.355
INV. (N) 192.203

(728) INLET TY. A, TY. 3V F&G
STA. 189+940.749, 5.366m LT.
GRATE 197.781
INV. 193.892

(729) MH. TY. A, 1.2m DIA.,
TY. 3V F&G
STA. 189+943.75, 5.666m LT.
GRATE 194.779
INV. (N,S) 192.143
INV. (W) 193.832

(774) INLET TY. A, TY. 3V F&G
STA. 189+947.287, 17.187m LT.
GRATE 194.553
INV. 193.664

(775) INLET TY. B, TY. 3V F&G
STA. 189+943.75, 16.998m LT.
GRATE 194.554
INV. 193.593

(776) MH. TY. A, 1.5m DIA.,
TY. 5 FRAME, CL. LID
STA. 189+943.750, 15m LT.
GRATE 194.607
INV. (S) 192.116
INV. (N) 193.553
INV. (E,W) 192.962

(777) INLET TY. A, TY. 3V F&G
STA. 189+905, 13.968m RT.
GRATE 194.907
INV. 194.018

(778) INLET TY. B, TY. 3V F&G
STA. 189+905, 5.516m LT.
GRATE 194.950
INV. 193.628

(779) MH. TY. A, 1.2m DIA.,
TY. 1 FRAME, CL. LID
STA. 189+894.355, 24.758m LT.
GRATE 194.844
INV. 192.380

(780) MH. TY. A, 1.5m DIA.,
TY.3V F&G
STA. 189+905, 15.716m LT.
GRATE 194.752
INV. (N) 192.101
INV. (E,W) 191.868
INV. (S) 193.424

(782) INLET TY. A, TY. 3V F&G
STA. 189+848, 13.968m RT.
GRATE 194.965
INV. 194.076

(783) INLET TY. B, TY. 3V F&G
STA. 189+845, 14.118m RT.
GRATE 194.963
INV. 194.016

(784) INLET TY. A, TY. 20 F&G
STA. 189+850, 4.439m LT.
GRATE 195.058
INV. 194.169

(785) MH. TY. A, 1.2m DIA.,
TY. 20 F&G
STA. 189+845, 4.406m LT.
GRATE 195.061
INV. (N,S) 193.645
INV. (E) 194.069

(786) INLET TY. A, TY. 3V F&G
STA. 189+847.988, 14.91m LT.
GRATE 194.847
INV. 193.958

(787) MH. TY. A, 1.5m DIA.,
TY. 3V F&G
STA. 189+844.979, 15.293m LT.
GRATE 194.846
INV. (S) 193.428
INV. (W,E) 191.569
INV. (E*2) 193.897

MATCHLINE STA. 189+775

MATCHLINE STA. 189+950

EXIST. R.O.W.

PROPOSED ROW

PROPOSED ℄ US RTE 34

PIPE UNDERDRAIN, 100mm

FLAG POLE

EXIST. 48" CMP

189+800

189+850

189+900

SCALE IN METERS
0 5 10 15

N

EXISTING PROFILE ALONG ℄

PROPOSED PROFILE GRADE

SPECIAL DITCH RIGHT AT +0.50%

SPECIAL DITCH RIGHT AT +1.00%

+778 LT 194.70

193.373

191.868

191.569

192.062

1050 mm

S = 0.50%

195.356	195.346	195.315	195.300	195.283	195.253	195.204	195.145	195.102	195.081	195.070	195.054	195.071	195.055	195.037
195.215	195.252	195.275	195.252	195.215	195.178	195.174	195.207	195.224	195.178	195.111	195.044	194.976	194.920	194.920

189+775 189+800 189+825 189+850 189+875 189+900 189+925 189+950

FILE: 443stnUS34_5.dgn
PLOTTED: 8/22/2011

HMG JOB NO. 5122

CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	444
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

(724) INLET TY. A, TY. 3V F&G
STA. 189+967.003, 14.752m RT.
GRATE 194.902
INV. 194.013

(125) MH. TY. A, 1.5m DIA.,
TY. 8 GRATE
STA. 189+963.05, 22.568m RT.
GRATE 194.913
INV. (E,W) 193.418
INV. (N) 193.838

(751) INLET TY. A, TY. 11V F&G
STA. 190+109, 21.238m LT.
GRATE 195.277
INV. 194.388

(752) INLET TY. B, TY. 3V F&G
STA. 190+109, 18.216m LT.
GRATE 195.340
INV. 194.340

(753) MH. TY. A, 1.2m DIA.,
TY. 5 FRAME, CL. LID
STA. 190+109, 15.8m LT.
GRATE 195.418
INV. (E) 193.079
INV. (W) 192.774
INV. (N) 194.279

(754) INLET TY. A, TY. 3V F&G
STA. 190+084, 18.066m LT.
GRATE 195.152
INV. 194.263

(755) MH. TY. A, 1.2m DIA.,
TY. 5 FRAME, CL. LID
STA. 190+084, 15.8m LT.
GRATE 195.220
INV. (E,W) 192.607
INV. (N) 194.218
INV. (S) 193.650

(81) CONNECT TO EXISTING
STA. 190+046.370, 19.875m LT.
INV. 193.370

(761) INLET TY. A, TY. 3V F&G
STA. 190+084, 11.168m RT.
GRATE 195.078
INV. 194.189

(763) INLET TY. B, TY. 3V F&G
STA. 190+046.5, 18.216m LT.
GRATE 194.889
INV. (W) 193.966
INV. (S) 193.478
INV. (N) 193.337

(764) INLET TY. A, TY. 3V F&G
STA. 190+045, 18.066m LT.
GRATE 194.885
INV. 193.996

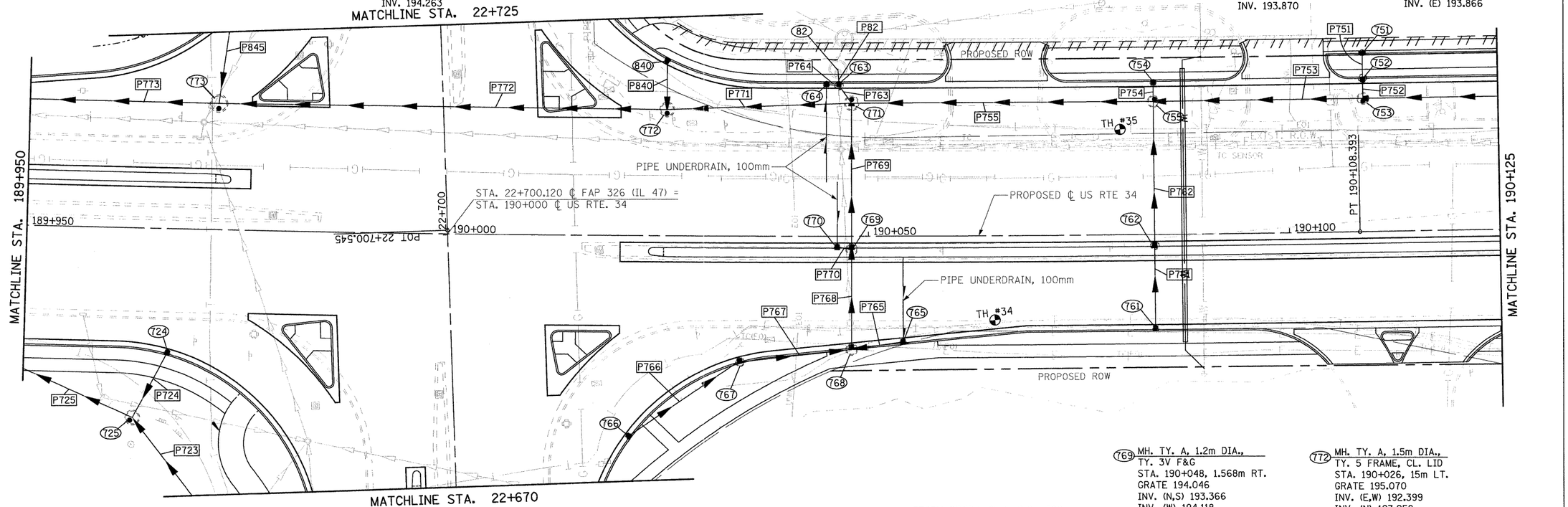
(765) INLET TY. A, TY. 3V F&G
STA. 190+054.1, 12.559m RT.
GRATE 194.878
INV. 193.989

(766) INLET TY. A, TY. 3V F&G
STA. 190+021.696, 23.815m RT.
GRATE 195.058
INV. 194.169

(767) INLET TY. B, TY. 3V F&G
STA. 190+034.786, 14.971m RT.
GRATE 194.951
INV. 193.870

(768) MH. TY. A, 1.2m DIA.,
TY. 3V F&G
STA. 190+048, 13.455m RT.
GRATE 194.889
INV. (N,W) 193.604
INV. (E) 193.866

MATCHLINE STA. 22+725



(769) MH. TY. A, 1.2m DIA.,
TY. 3V F&G
STA. 190+048, 1.568m RT.
GRATE 194.046
INV. (N,S) 193.366
INV. (W) 194.118

(770) INLET TY. A, TY. 3V F&G
STA. 190+046.293, 1.268m RT.
GRATE 195.042
INV. 194.153

(771) MH. TY. A, 1.5m DIA.,
TY. 5 FRAME, CL. LID
STA. 190+048, 15.8m LT.
GRATE 194.958
INV. (E,W) 192.477
INV. (S) 193.018
INV. (N) 193.421

(772) MH. TY. A, 1.5m DIA.,
TY. 5 FRAME, CL. LID
STA. 190+026, 15m LT.
GRATE 195.070
INV. (E,W) 192.399
INV. (N) 193.958

(773) MH. TY. A, 1.8m DIA.,
TY. 5 FRAME, CL. LID
STA. 189+972.5, 15m LT.
GRATE 194.911
INV. (E,W) 192.207
INV. (N) 192.363

(840) INLET TY. A, TY. 3V F&G
STA. 190+025.995, 20.866m LT.
GRATE 194.964
INV. 194.075

N

SCALE IN METERS
0 5 10 15

P724 STORM SEWER, CL.A, R.G., 300
7.797m AT 2.0%

P725 STORM SEWER, CL.A, R.G., 600
19.630m AT 0.30%

P751 STORM SEWER, CL.A, R.G., 300
2.385m AT 2.0%

P752 STORM SEWER, CL.A, R.G., 300
1.432m AT 2.0%

P753 STORM SEWER, CL.A, R.G., 600
24.223m AT 0.67%

P754 STORM SEWER, CL.A, R.G., 300
1.464m AT 2.0%

P755 STORM SEWER, CL.A, R.G., 750
35.012m AT 0.36%

P82 STORM SEWER, CL.A, R.G., 300
0.363m AT 2.0%

P762 STORM SEWER, CL.A, R.G., 300
0.871m AT 2.0%

P763 STORM SEWER, CL.A, R.G., 300
1.701m AT 2.0%

P761 STORM SEWER, CL.A, R.G., 300
9.263m AT 2.0%

P762 STORM SEWER, CL.A, R.G., 300
16.084m AT 2.0%

P765 STORM SEWER, CL.A, R.G., 300
5.364m AT 2.0%

P766 STORM SEWER, CL.A, R.G., 300
15.161m AT 1.9%

P767 STORM SEWER, CL.A, R.G., 300
12.316m AT 2.0%

P768 STORM SEWER, CL.A, R.G., 300
10.738m AT 2.0%

P769 STORM SEWER, CL.A, R.G., 300
16.059m AT 2.0%

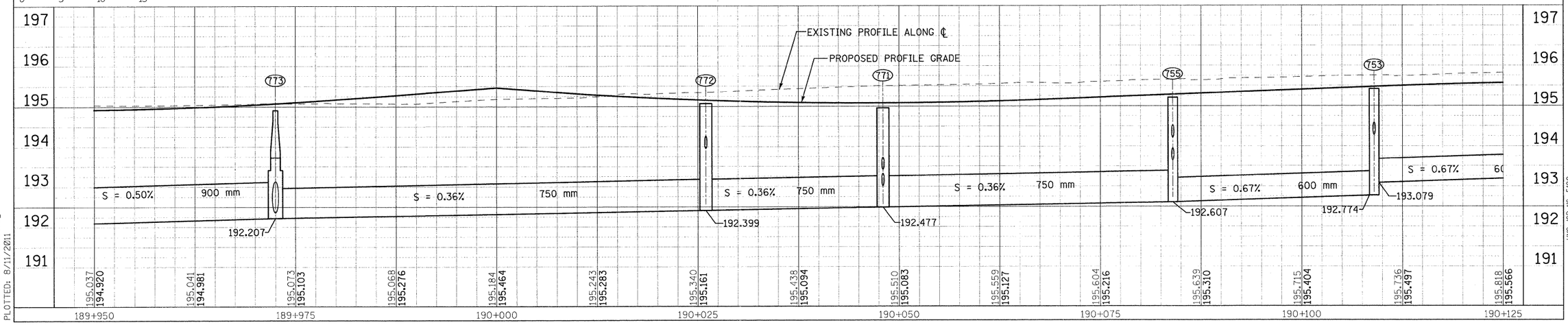
P770 STORM SEWER, CL.A, R.G., 300
0.931m AT 2.0%

P771 STORM SEWER, CL.A, R.G., 750
20.815m AT 0.36%

P772 STORM SEWER, CL.A, R.G., 750
52.116m AT 0.36%

P773 STORM SEWER, CL.A, R.G., 900
27.508m AT 0.50%

P840 STORM SEWER, CL.A, R.G., 300
4.904m AT 2.0%



FILE: 444stmUS34_6.dgn
PLOTTED: 8/11/2011

HMG JOB NO. 5122

CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	445
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

P736 STORM SEWER, CL.A, R.G., 300 21.047m AT 2.0%

P737 STORM SEWER, CL.A, R.G., 300 1.099m AT 2.0%

P738 STORM SEWER, CL.A, R.G., 450 25.930m AT 0.40%

P739 STORM SEWER, CL.A, R.G., 300 21.414m AT 2.0%

P740 STORM SEWER, CL.A, R.G., 300 8.181m AT 2.0%

P741 STORM SEWER, CL.A, R.G., 300 1.274m AT 2.0%

P742 STORM SEWER, CL.A, R.G., 600 31.048m AT 0.40%

P743 STORM SEWER, CL.A, R.G., 300 1.274m AT 2.0%

P744 STORM SEWER, CL.A, R.G., 600 38.065m AT 0.40%

P745 STORM SEWER, CL.A, R.G., 300 10.923m AT 2.0%

P746 STORM SEWER, CL.A, R.G., 300 13.370m AT 2.0%

P747 STORM SEWER, CL.A, R.G., 600 10.379m AT 0.40%

P749 STORM SEWER, CL.A, R.G., 600 42.799m AT 0.40%

P750 STORM SEWER, CL.A, R.G., 600 23.223m AT 0.67%

P756 STORM SEWER, CL.A, R.G., 300 1.464m AT 2.0%

P757 STORM SEWER, CL.A, R.G., 300 4.037m AT 2.0%

P758 STORM SEWER, CL.A, R.G., 300 4.962m AT 2.0%

P759 STORM SEWER, CL.A, R.G., 300 9.064m AT 2.0%

P760 STORM SEWER, CL.A, R.G., 300 16.234m AT 2.0%

P81 STORM SEWER, CL.A, R.G., 300 3.768m AT 2.0%

P748 STORM SEWER, CL.A, R.G., 300 3.765m AT 2.0%

(736) INLET TY. A, TY. 3V F&G
STA. 190+286, 8.068m RT.
GRATE 195.381
INV. 194.492

(737) INLET TY. B, TY. 3V F&G
STA. 190+286, 13.616m LT.
GRATE 195.267
INV. 194.058

(738) MH. TY. A, 1.2m DIA.,
TY. 1 FRAME, CL. LID
STA. 190+286, 15.7m LT.
GRATE 195.468
INV. (S) 194.017
INV. (E,W) 194.004

(739) INLET TY. A, TY. 3V F&G
STA. 190+259, 8.435m RT.
GRATE 195.456
INV. 194.567

(740) INLET TY. A, TY. 3V F&G
STA. 190+227, 4.798m LT.
GRATE 195.818
INV. 194.929

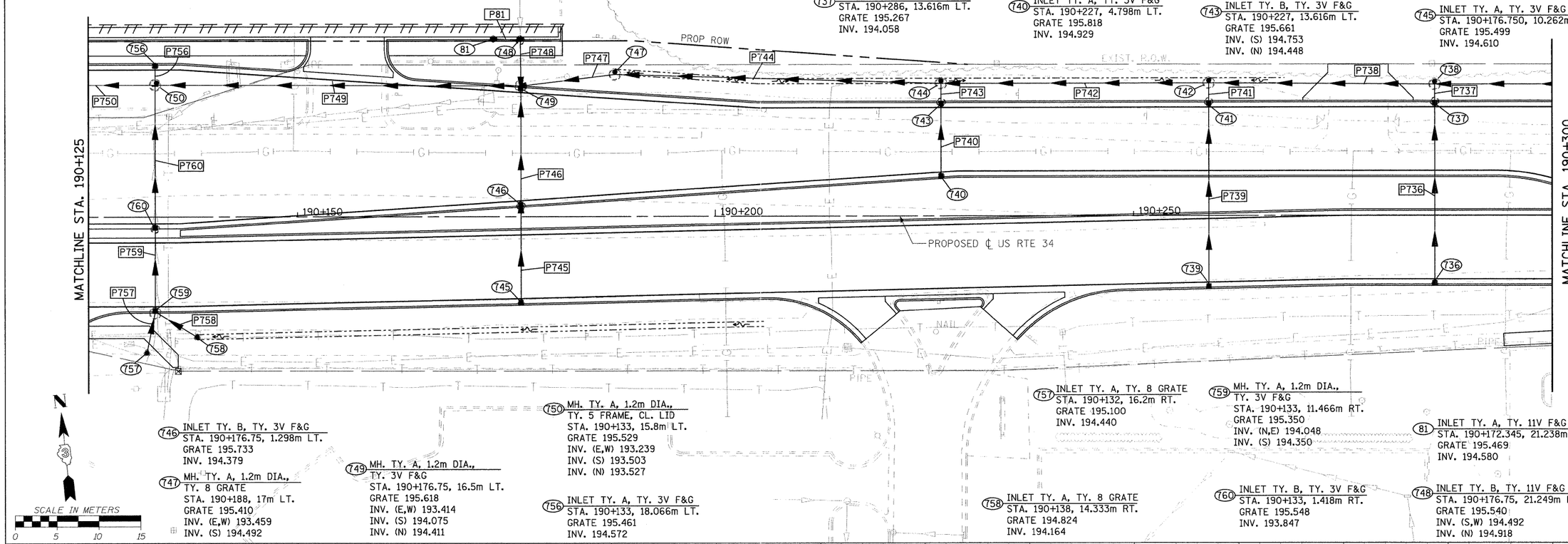
(741) INLET TY. B, TY. 3V F&G
STA. 190+259, 13.616m LT.
GRATE 195.426
INV. 194.126

(742) MH. TY. A, 1.2m DIA.
TY. 8 GRATE
STA. 190+259, 15.874m LT.
GRATE 195.189
INV. (S) 194.081
INV. (E) 193.896
INV. (W) 193.744

(743) INLET TY. B, TY. 3V F&G
STA. 190+227, 13.616m LT.
GRATE 195.661
INV. (S) 194.753
INV. (N) 194.448

(744) MH. TY. A, 1.2m DIA.,
TY. 8 GRATE
STA. 190+227, 15.874m LT.
GRATE 195.425
INV. (E,W) 193.616
INV. (S) 194.403

(745) INLET TY. A, TY. 3V F&G
STA. 190+176.750, 10.262m RT.
GRATE 195.499
INV. 194.610



(746) INLET TY. B, TY. 3V F&G
STA. 190+176.75, 1.298m LT.
GRATE 195.733
INV. 194.379

(747) MH. TY. A, 1.2m DIA.,
TY. 8 GRATE
STA. 190+188, 17m LT.
GRATE 195.410
INV. (E,W) 193.459
INV. (S) 194.492

(749) MH. TY. A, 1.2m DIA.,
TY. 3V F&G
STA. 190+176.75, 16.5m LT.
GRATE 195.618
INV. (E,W) 193.414
INV. (S) 194.075
INV. (N) 194.411

(750) MH. TY. A, 1.2m DIA.,
TY. 5 FRAME, CL. LID
STA. 190+133, 15.8m LT.
GRATE 195.529
INV. (E,W) 193.239
INV. (S) 193.503
INV. (N) 193.527

(756) INLET TY. A, TY. 3V F&G
STA. 190+133, 18.066m LT.
GRATE 195.461
INV. 194.572

(757) INLET TY. A, TY. 8 GRATE
STA. 190+132, 16.2m RT.
GRATE 195.100
INV. 194.440

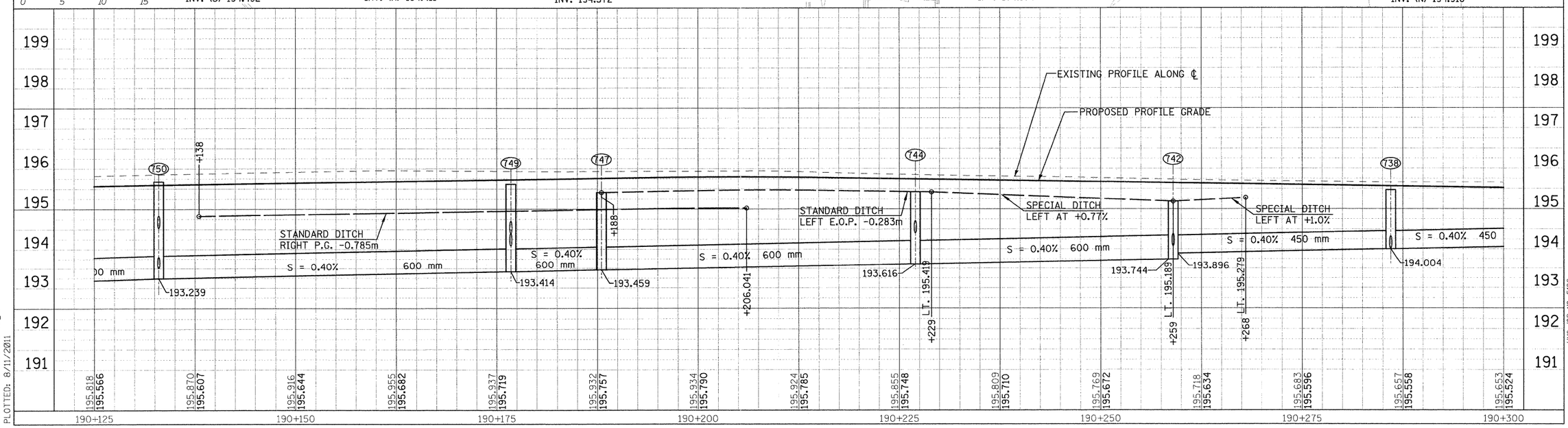
(758) INLET TY. A, TY. 8 GRATE
STA. 190+138, 14.333m RT.
GRATE 194.824
INV. 194.164

(759) MH. TY. A, 1.2m DIA.,
TY. 3V F&G
STA. 190+133, 11.466m RT.
GRATE 195.350
INV. (N,E) 194.048
INV. (S) 194.350

(760) INLET TY. B, TY. 3V F&G
STA. 190+133, 1.418m RT.
GRATE 195.548
INV. 193.847

(81) INLET TY. A, TY. 11V F&G
STA. 190+172.345, 21.238m LT.
GRATE 195.469
INV. 194.580

(748) INLET TY. B, TY. 11V F&G
STA. 190+176.75, 21.249m LT.
GRATE 195.540
INV. (S,W) 194.492
INV. (N) 194.918



FILE: 445smUS34_7.dgn
PLOTTED: 8/11/2011

HMG JOB NO. 5122

CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	446
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

P730 STORM SEWER, CL.A, R.G., 300
2.367m AT 1.00%

P731 STORM SEWER, CL.A, R.G., 300
21.000m AT 0.90%

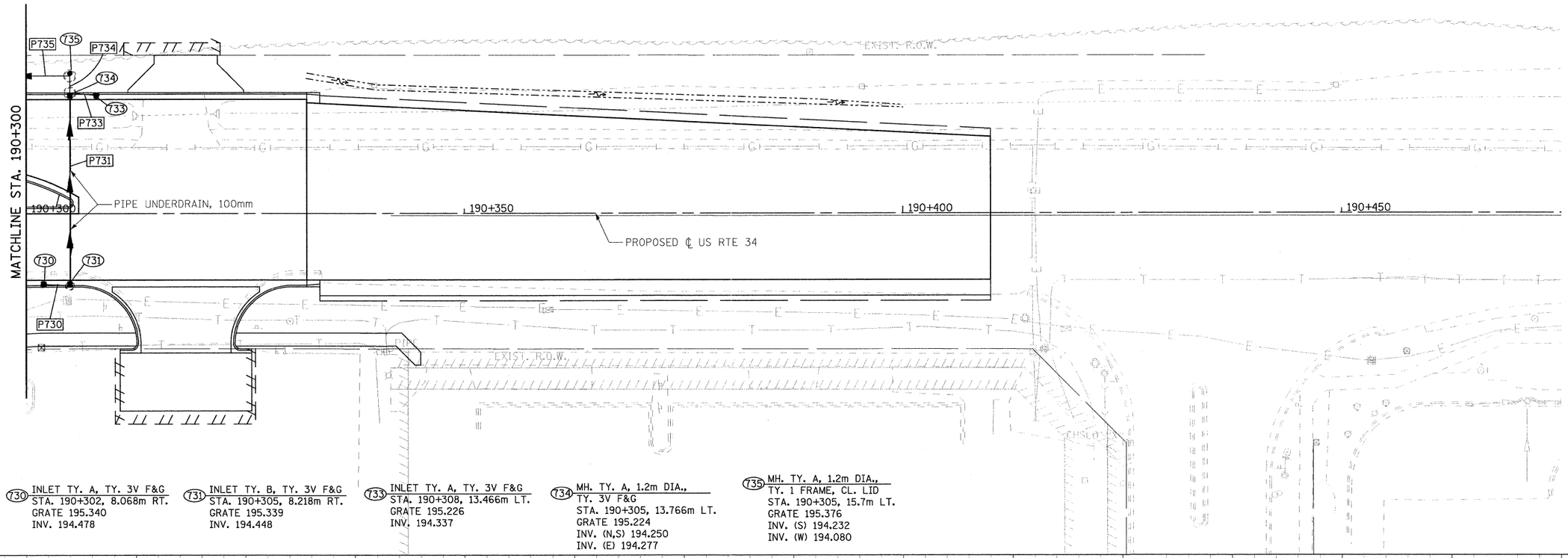
P733 STORM SEWER, CL.A, R.G., 300
2.213m AT 2.0%

P734 STORM SEWER, CL.A, R.G., 300
0.785m AT 0.90%

P735 STORM SEWER, CL.A, R.G., 450
17.930m AT 0.40%

N

SCALE IN METERS
0 5 10 15



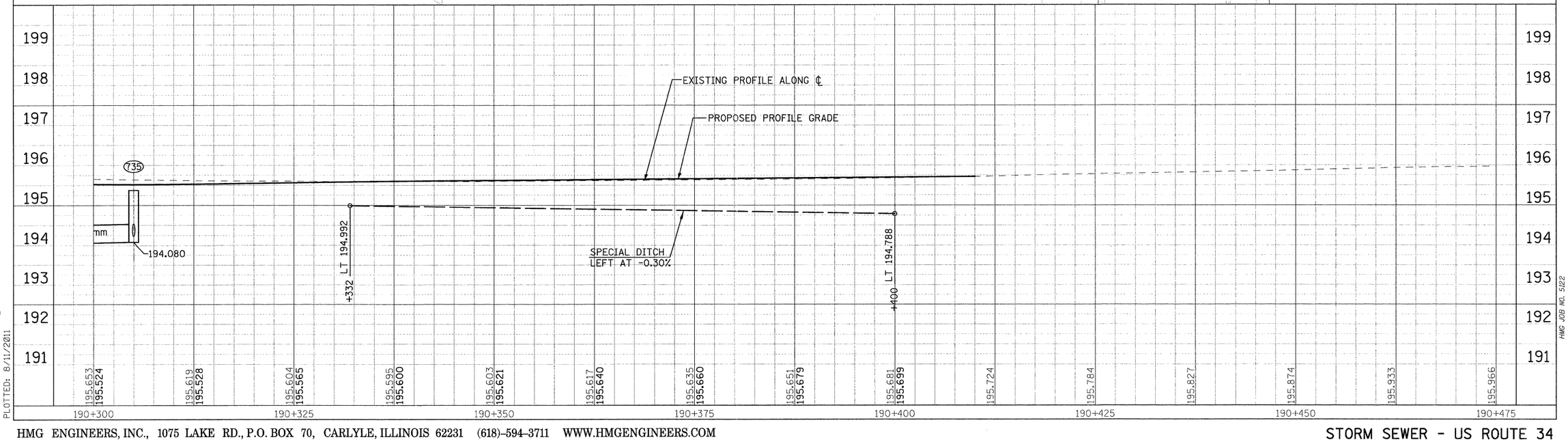
730 INLET TY. A, TY. 3V F&G
STA. 190+302, 8.068m RT.
GRATE 195.340
INV. 194.478

731 INLET TY. B, TY. 3V F&G
STA. 190+305, 8.218m RT.
GRATE 195.339
INV. 194.448

733 INLET TY. A, TY. 3V F&G
STA. 190+308, 13.466m LT.
GRATE 195.226
INV. 194.337

734 MH. TY. A, 1.2m DIA.,
TY. 3V F&G
STA. 190+305, 13.766m LT.
GRATE 195.224
INV. (N,S) 194.250
INV. (E) 194.277

735 MH. TY. A, 1.2m DIA.,
TY. 1 FRAME, CL. LID
STA. 190+305, 15.7m LT.
GRATE 195.376
INV. (S) 194.232
INV. (W) 194.080



FILE: 446stmUS34_8.dgn
PLOTTED: 8/11/2011

HMG JOB NO. 5122

CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	447
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

P331 STORM SEWER, CL.A, R.G., 300
1.134m AT 0.50%

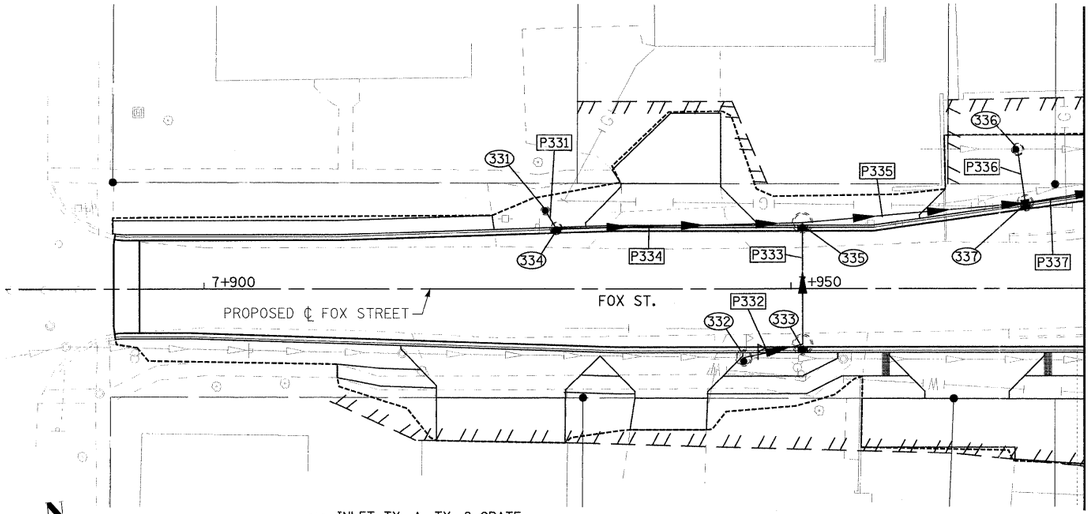
P332 STORM SEWER, CL.A, R.G., 600
4.008m AT 1.90%

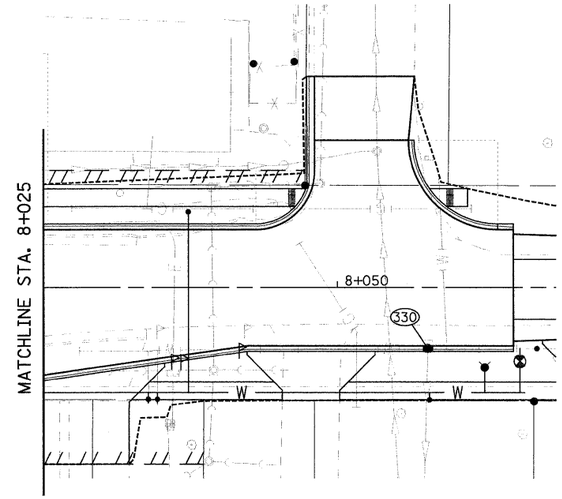
P333 STORM SEWER, CL.A, R.G., 600
9.050m AT 1.90%

P334 STORM SEWER, CL.A, R.G., 300
19.861m AT 4.00%

P335 STORM SEWER, CL.A, R.G., 600
17.913m AT 1.90%

P336 STORM SEWER, CL.A, R.G., 300
3.632m AT 0.50%





N

SCALE IN METERS
0 5 10 15

331 INLET TY. A, TY. 8 GRATE
STA. 7+929.090, 6.687m LT.
GRATE 194.800
INV. 193.911

332 MH. TY. A, 1.2m DIA.,
TY. 1 FRAME, CL. LID
STA. 7+916.984, 5.875m RT.
GRATE 194.657
INV. 192.484

333 MH. TY. A, 1.5m DIA.,
TY. 11V F&G
STA. 7+951.000, 4.735m RT.
GRATE 194.386
INV. 192.386

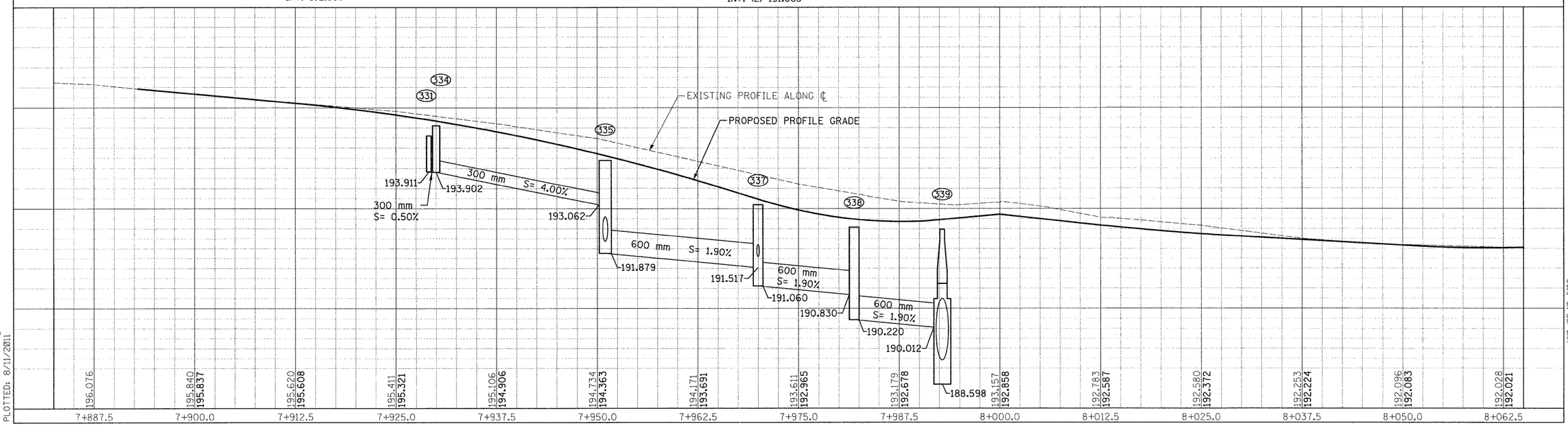
334 INLET TY. B, TY. 11V F&G
STA. 7+930.000, 5.168m LT.
GRATE 195.056
INV. 193.902

335 MH. TY. A, 1.5m DIA.,
TY. 11V F&G
STA. 7+951, 5.635m LT.
GRATE 194.197
INV. (E) 191.884
INV (S) 192.189
INV. (W) 193.062

336 INLET TY. B,
TYPE 1 FRAME, OPEN LID
STA. 7+969.330, 11.88m LT.
INV. 191.886

337 MH. TY. A, 1.2m DIA.,
TY. 20 F&G
STA. 7+969.975, 7.309m LT.
GRATE 193.095
INV. (N) 191.840
INV. (W) 191.522
INV. (E) 191.065

330 INLET TY. A, TY. 11V F&G
STA. 8+057.718, 5.185m RT.
GRATE 191.939
INV. 191.070



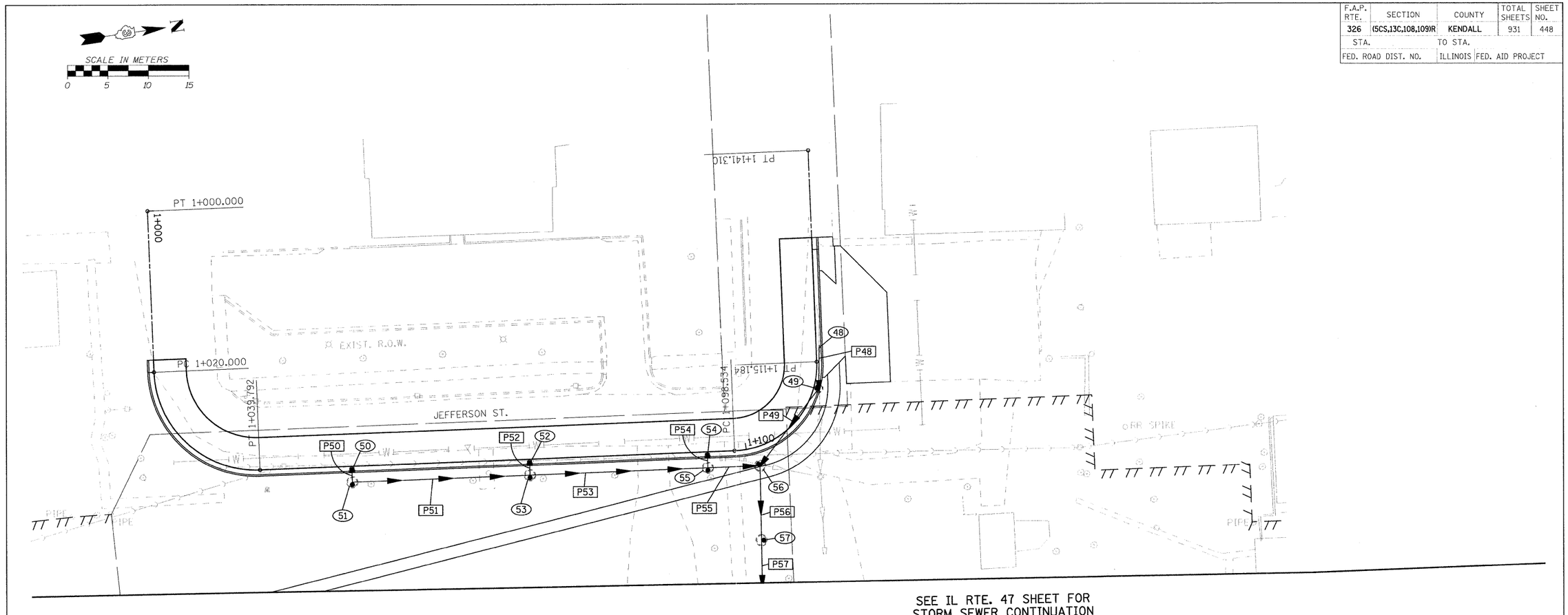
FILE: 447stnFox.dgn
PLOTTED: 8/11/2011

HMG JOB NO. 5122

STORM SEWER - FOX STREET

CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	448
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



SEE IL RTE. 47 SHEET FOR
STORM SEWER CONTINUATION

P48 STORM SEWER, CL.A, R.G., 300
4.337m AT 4.00%

P49 STORM SEWER, CL.A, R.G., 300
11.014m AT 4.00%

P50 STORM SEWER, CL.A, R.G., 300
0.706m AT 4.00%

P51 STORM SEWER, CL.A, R.G., 300
20.855m AT 4.00%

P52 STORM SEWER, CL.A, R.G., 300
0.706m AT 4.00%

P53 STORM SEWER, CL.A, R.G., 300
20.855m AT 4.00%

P54 STORM SEWER, CL.A, R.G., 300
0.705m AT 4.50%

P55 STORM SEWER, CL.A, R.G., 300
5.321m AT 4.00%

P56 STORM SEWER, CL.A, R.G., 300
8.072m AT 4.50%

P57 STORM SEWER, CL.A, R.G., 300
6.851m AT 4.50%

48 CONNECT TO EXISTING
STA. 20+756.598, 53.607m LT.
INV. 192.167

49 INLET TY. B, TY. 11V F&G
STA. 20+756.438, 48.636m LT.
GRATE 192.952
INV. (W) 191.516
INV. (SE) 191.968

50 INLET TY. A, TY. 11V F&G
STA. 20+698.513, 39.662m LT.
GRATE 194.614
INV. 193.573

51 MH. TY. A, 1.2m DIA.,
TY. 1 FRAME, CL. LID
STA. 20+698.531, 38.154m LT.
GRATE 194.463
INV. 193.512

52 INLET TY. A, TY. 11V F&G
STA. 20+720.514, 40.127m LT.
GRATE 193.844
INV. 192.803

53 MH. TY. A, 1.2m DIA.,
TY. 1 FRAME, CL. LID
STA. 20+720.531, 38.619m LT.
GRATE 193.686
INV. (N,S) 192.632
INV. (W) 192.742

54 INLET TY. A, TY. 11V F&G
STA. 20+742.514, 40.592m LT.
GRATE 193.162
INV. 192.075

55 MH. TY. A, 1.2m DIA.,
TY. 1 FRAME, CL. LID
STA. 20+742.531, 39.085m LT.
GRATE 192.897
INV. (N) 191.295
INV. (S) 191.752
INV. (W) 192.007

56 MH. TY. A, 1.2m DIA.,
TY. 1 FRAME, CL. LID
STA. 20+749, 39.221m LT.
GRATE 192.919
INV. (E) 189.207
INV. (S) 191.036
INV. (NW) 191.036

57 MH. TY. A, 1.2m DIA.,
TY. 1 FRAME, CL. LID
STA. 20+749, 30.000m LT.
GRATE 190.424
INV. (E) 186.963
INV. (W) 188.792

FILE: 448stmjeff.dgn
PLOTTED: 8/11/2011

HMG JOB NO. 5122

STORM SEWER - JEFFERSON STREET

CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	449
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

(366) MH. TY.A, 1.2 m DIA.,
TY. 5 FRAME, CL. LID
STA. 1+062.234, 2.0m LT.
GRATE 181.946
INV. 180.597

(369) INLET TY. A, TY. 11V F&G
STA. 1+042.0, 3.835m LT.
GRATE 182.515
INV. 181.626

[P366] STORM SEWER, CL.A, R.G., 300
18.617m AT 3.00%

[P367] STORM SEWER, CL.A, R.G., 300
4.033m AT 1.00%

[P368] STORM SEWER, CL.A, R.G., 300
19.085m AT 4.00%

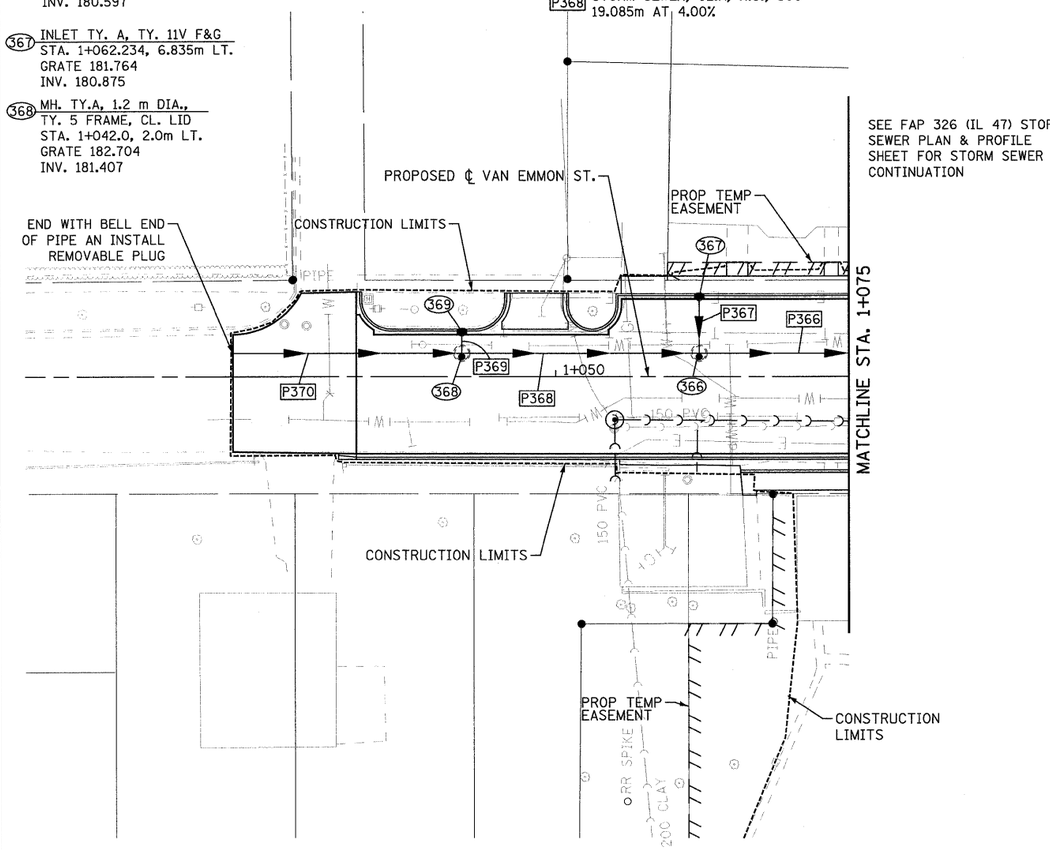
[369] STORM SEWER, CL.A, R.G., 300
1.033m AT 1.0%

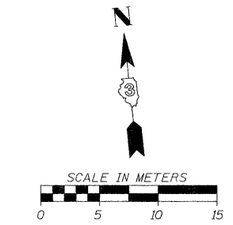
[370] STORM SEWER, CL.A, R.G., 300
18.784m AT 4.00%

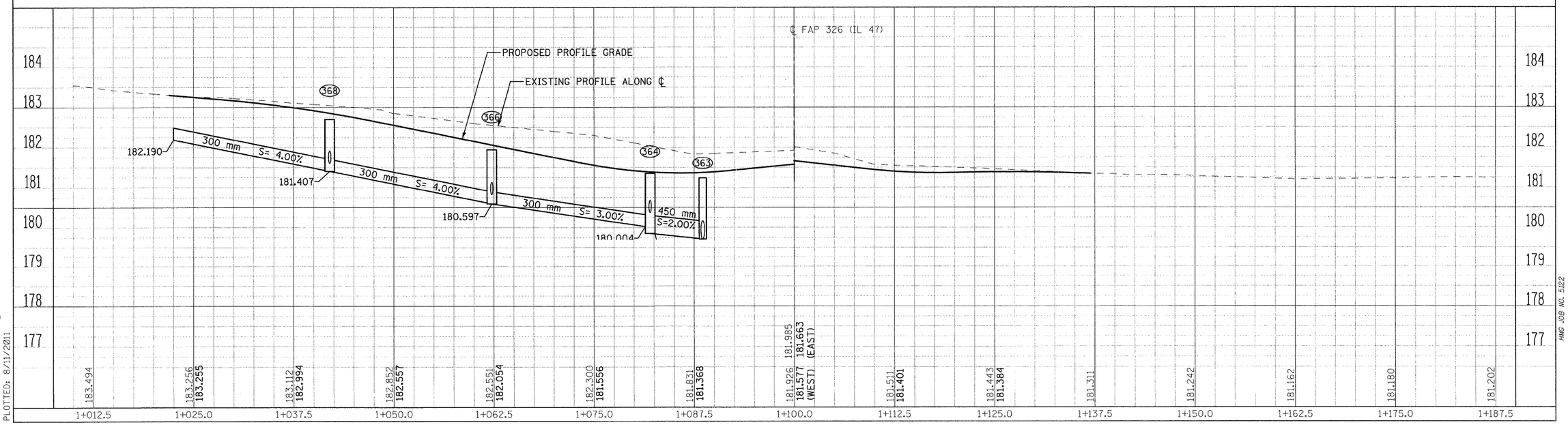
(367) INLET TY. A, TY. 11V F&G
STA. 1+062.234, 6.835m LT.
GRATE 181.764
INV. 180.875

(368) MH. TY.A, 1.2 m DIA.,
TY. 5 FRAME, CL. LID
STA. 1+042.0, 2.0m LT.
GRATE 182.704
INV. 181.407

SEE FAP 326 (IL 47) STORM SEWER PLAN & PROFILE SHEET FOR STORM SEWER CONTINUATION







FILE: 449sumVanE_1.dgn
PLOTTED: 8/11/2011

HMG JOB NO. 5122

CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	450
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

(440) MH. TY. A, 1.2 m DIA., TY. 1 FRAME, CL. LID
STA. 1+068, 7.5m LT.
GRATE 191.402
INV. 189.799

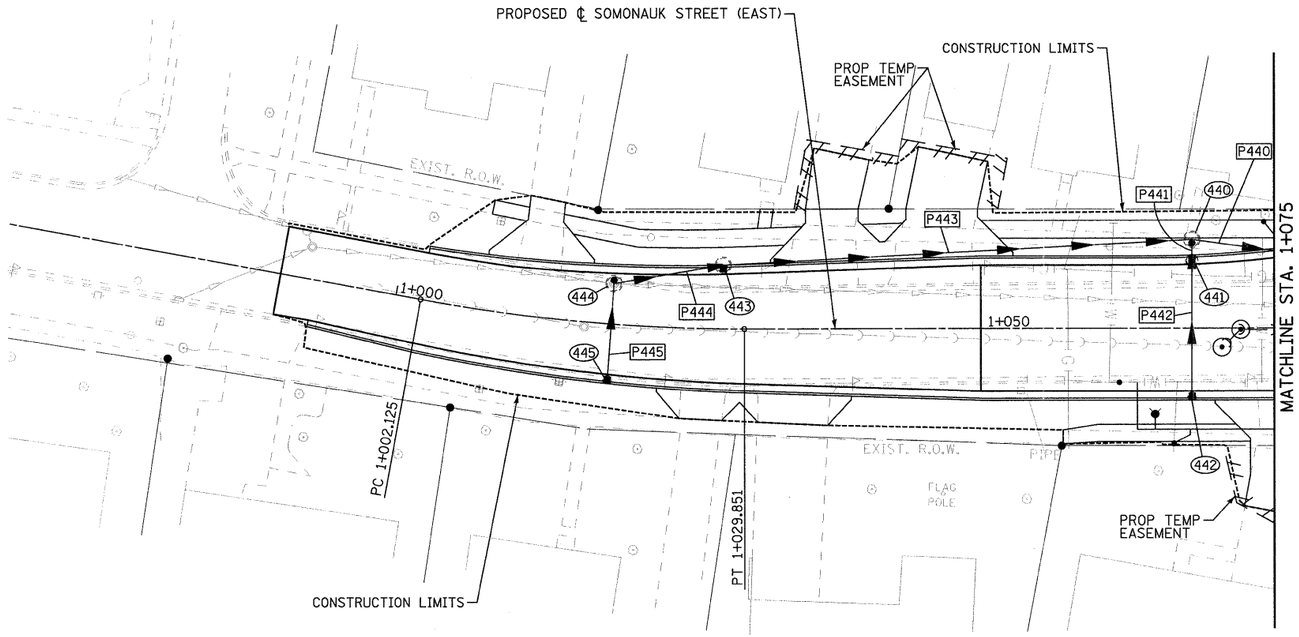
(441) INLET TY. B, TY. 3V F&G
STA. 1+068, 5.728m LT.
GRATE 191.085
INV. 189.966

(442) INLET TY. A, TY. 3V F&G
STA. 1+068, 5.817m RT.
GRATE 191.086
INV. 190.197

(443) MH. TY. A, 1.2 m DIA., TY. 3V F&G
STA. 1+028, 5.384m LT.
GRATE 191.320
INV. 190.200

(444) MH. TY. A, 1.2m DIA. TY. 1 FRAME, CL. LID
STA. 1+018.5, 3.426m LT.
GRATE 191.405
INV. (W) 190.297
INV. (N) 190.400

(445) INLET TY. A, TY. 3V F&G
STA. 1+018.5, 4.767m LT.
GRATE 191.453
INV. 190.564



SEE IL RTE. 47 SHEET FOR STORM SEWER CONTINUATION

N

SCALE IN METERS
0 5 10 15

P440 STORM SEWER, CL. A, R.G., 450 12.550m AT 2.00%

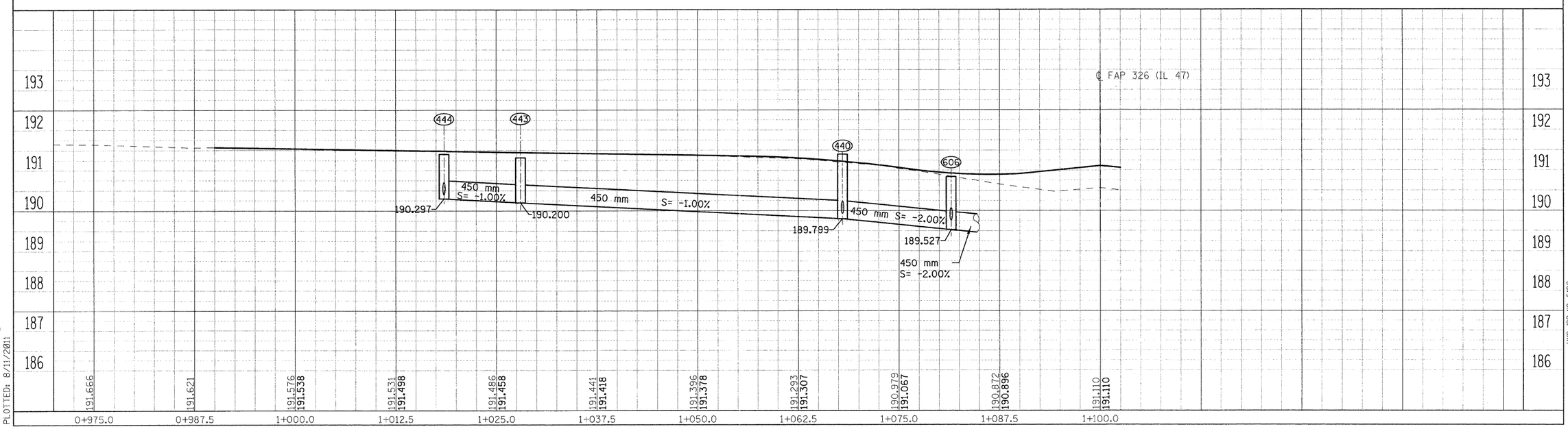
P441 STORM SEWER, CL. A, R.G., 300 0.788m AT 2.00%

P442 STORM SEWER, CL. A, R.G., 300 10.908m AT 2.00%

P443 STORM SEWER, CL.A, R.G., 450 38.986m AT 1.00%

P444 STORM SEWER, CL.A, R.G., 450 8.630m AT 1.00%

P445 STORM SEWER, CL.A, R.G., 300 7.391m AT 2.00%



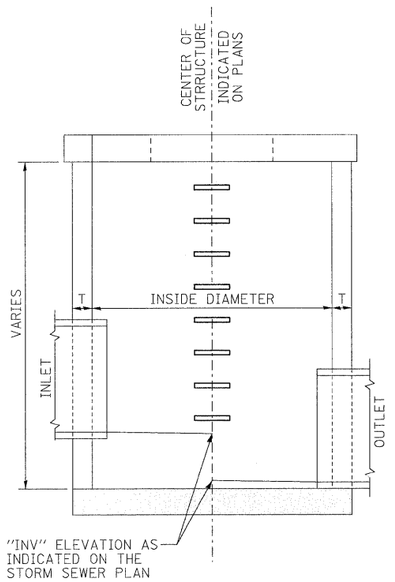
FILE: 450stnSomo.dgn
PLOTTED: 8/11/2011

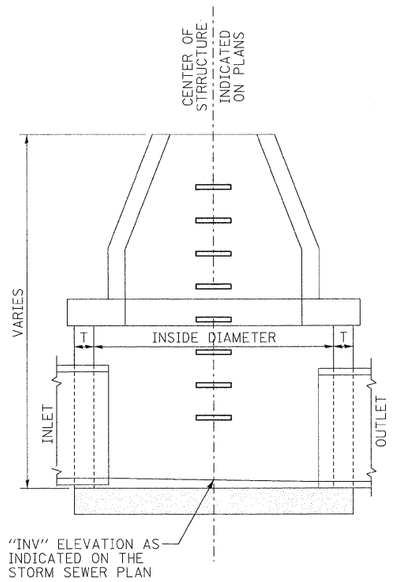
HMG JOB NO. 5122

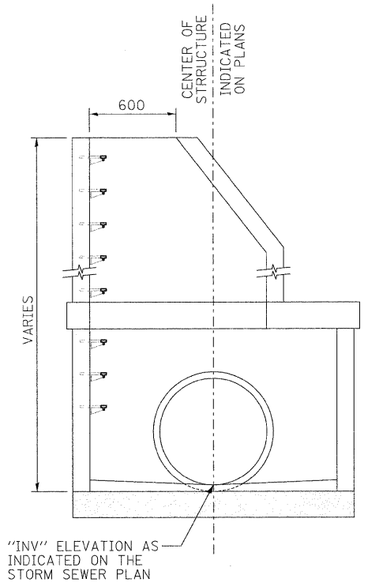
STORM SEWER - SOMONAUK STREET

CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	451
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



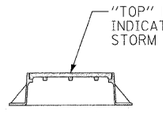




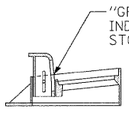
MANHOLE AND INLET REFERENCE POINTS

STORM SEWER CONSTRUCTION NOTES

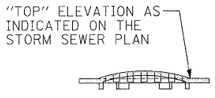
1. BEFORE ORDERING PIPE CULVERTS, PIPE DRAINS, MANHOLES, INLETS, STORM SEWERS OR OTHER DRAINAGE STRUCTURES, THE CONTRACTOR SHALL CONSULT WITH THE ENGINEER FOR EXACT LENGTHS, DIMENSIONS, INVERTS AND ALIGNMENTS AND SUBMIT REQUIRED SHOP DRAWINGS.
2. CARE SHOULD BE EXERCISED IN CONSTRUCTION OF MANHOLE STRUCTURES TO BE LOCATED UNDER PERMANENT SURFACES DUE TO MINOR ELEVATION ADJUSTMENTS IN THE FIELD. THE CONTRACTOR IS ADVISED TO CAST STRUCTURES TO ACCOMODATE SUCH MINOR ADJUSTMENTS. USE OF ADJUSTING RINGS IS RECOMMENDED.
3. NOTE THAT ALL STRUCTURE INVERT ELEVATIONS SHOWN ON THE PLANS REFLECT THE SLOPE OF THE PIPE PROJECTED TO THE CENTER OF THE STRUCTURE.
4. STANDARD "CONE" SECTION STRUCTURES TOPS SHOULD BE USED WHENEVER POSSIBLE. WHEN FLAT SLAB TOPS ARE REQUIRED ADJUSTING RINGS SHOULD BE USED TO PROVIDE MINIMUM DEPTH OF COVER (300MM IN GRASS AREAS AND PAVEMENT THICKNESS PLUS 100MM IN PAVED AREAS).
5. THE STATION AND OFFSET SHOWN ON THE STORM SEWER PLAN IS FOR THE LOCATION OF THE CENTER OF THE STRUCTURE. THIS IS NOT NECESSARILY THE CENTER OF THE 600mm OPENING. STRUCTURES SHALL BE ORIENTED SO THAT OPENINGS LINE UP WITH CURB LINE OR AVOID PLACEMENT IN SIDEWALK OR CURB, DEPENDING ON THE TYPE OF FRAME AND GRATE USED.



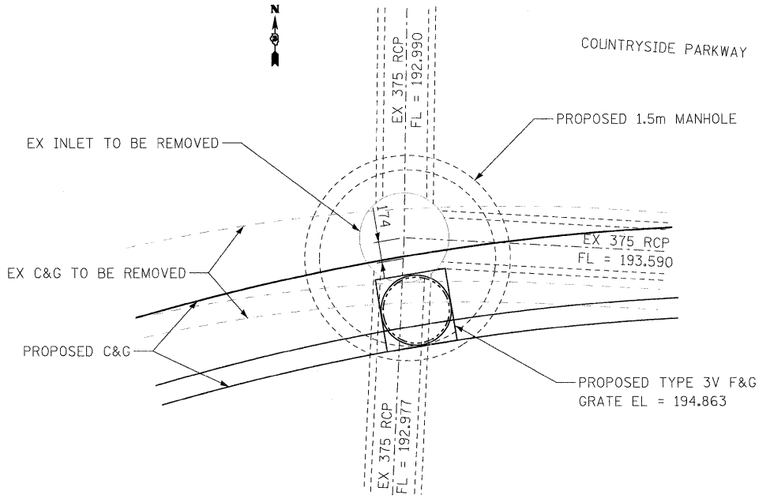
TYPE 1 OR TYPE 5 FRAME AND GRATE



CURB INLET FRAME AND GRATE

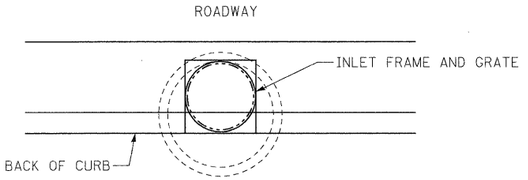


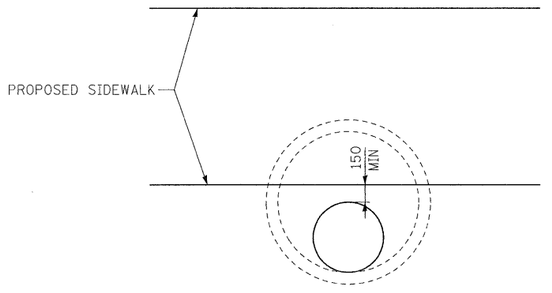
TYPE 8 GRATE



DETAIL STRUCTURE #80
STA. 23+181.567, 25.419m RT.

IN ORDER TO MATCH NEW CURB LOCATION, CENTER OF STRUCTURE WILL BE OFFSET FROM FLOWLINES OF EXISTING PIPES AS SHOWN ABOVE. CONTRACTOR SHALL VARIFY PIPE ALIGNMENTS AND ELEVATIONS PRIOR TO ORDERING STRUCTURE.





TYPICAL ORIENTATION OF STRUCTURES

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

STORM SEWER DETAILS

DRAWN BY

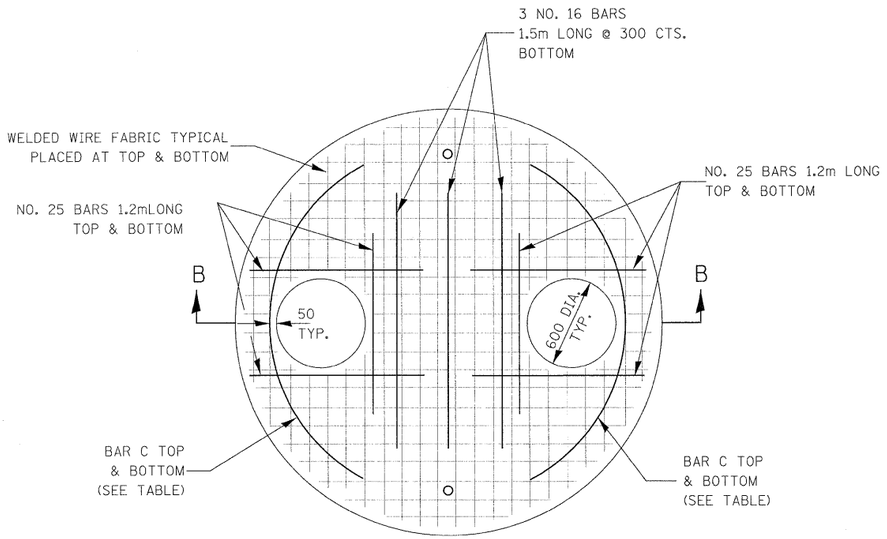
DATE CHECKED BY

HMG JOB NO. 5122

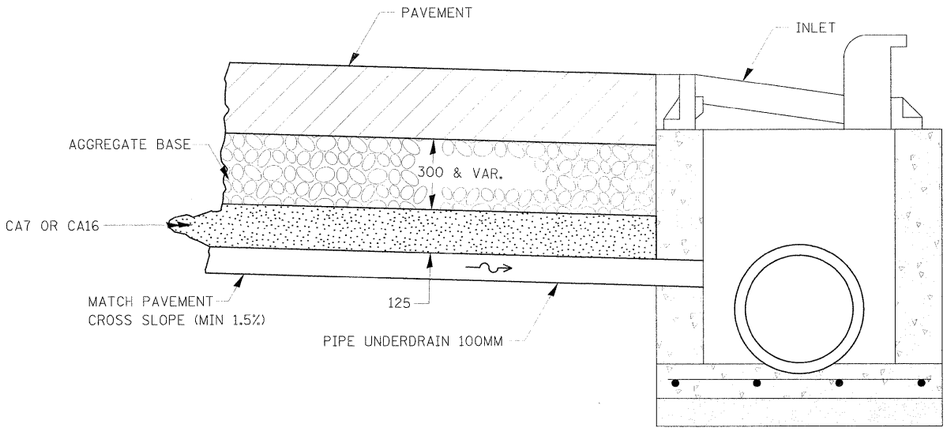
FILE: 451-452stm_details.dgn
PLOTTED: 8/11/2011

CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	452
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



PLAN

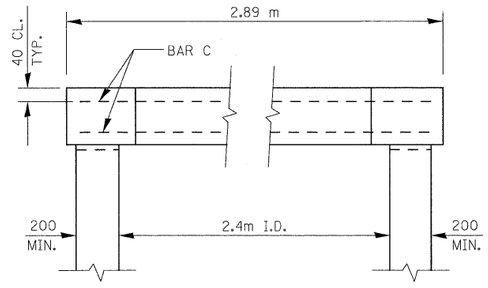


DRAIN FOR AGGREGATE
BASES IN URBAN AREAS

DRAINS WILL BE REQUIRED AT ALL INLETS IN "SAG" AREAS AND AS INDICATED IN THE PLANS.

THIS WORK SHALL BE COMPLETED ACCORDING TO SECTION 601 OF THE STANDARD SPECIFICATIONS.

THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR PIPE UNDERDRAINS OF THE DIAMETER SPECIFIED WHICH PRICE SHALL INCLUDE THE CA7 OR CA16 AND THE CONNECTION TO THE INLET.



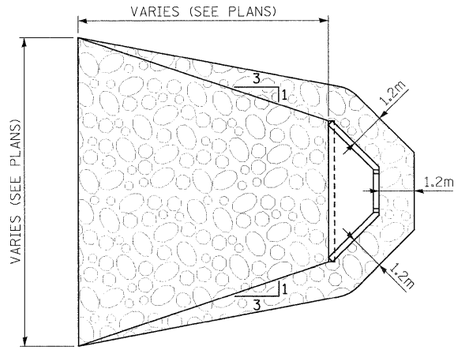
SECTION B-B

DIAMETER OF OPENING	REINFORCEMENT BAR SIZE	REINFORCEMENT "AS" WWF EACH DIRECTION	NO. 13 BAR C	
			LENGTH	RADIUS
600	BOTTOM MAT NO. 25	BOTTOM MAT *** 3325 SQ MM/M	2.6m	1.219m
	TOP MAT NO. 13	TOP MAT *** 470 SQ MM/M		

*** A MAXIMUM OF TWO LAYERS OF WELDED WIRE FABRIC MAY BE USED TO SATISFY THE REQUIRED "AS" FOR EACH MAT

SEE STD/ 602416 FOR SINGLE OPENING REINFORCEMENT

MANHOLE TYPE A, 2.4 METER DIAMETER, SPECIAL



TYPICAL RIPRAP DETAIL
AT OUTLET STRUCTURES

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

STORM SEWER DETAILS

DRAWN BY

DATE CHECKED BY

HMG JOB NO. 5122

FILE: 451-452sun_details.dgn
PLOTTED: 8/11/2011

CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	453
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

City to provide shutdown for fire hydrant to be moved

SCALE IN METERS
0 5 10 15

Hyd.#1
Fire hydrant to be moved

GREENBRIAR RD.

PROP ROW

EXIST. R.O.W.

TH #110

TH #109

TH #111

PROPOSED ℄ FAP 326 (IL 47)

19+000 19+050 19+100

MATCHLINE STA. 18+975

MATCHLINE STA. 19+150

-1.310%

18+975	19+000	19+025	19+050	19+075	19+100	19+125	19+150
212.750 / 212.874	212.632 / 212.710	212.443 / 212.546	212.268 / 212.383	212.082 / 212.219	211.920 / 212.055	211.754 / 211.891	211.584 / 211.727
211.421 / 211.564	211.242 / 211.400	211.085 / 211.236	210.925 / 211.072	210.771 / 210.909	210.600 / 210.745	210.449 / 210.581	

215 214 213 212 211 210 209 208 207

FILE: 453w&Spp_07.dgn
PLOTTED: 8/11/2011

HMG JOB NO. 5122

CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	454
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

All work required to complete casing extensions shall be included in the cost of the casing

SCALE IN METERS
0 5 10 15

Extend existing 600mm casing pipe 9m ea.

PROP. TEMP. EASEMENT

PROP ROW

EXIST. R.O.W.

MATCHLINE STA. 19+675

MATCHLINE STA. 19+850

PROPOSED ℄ FAP 326 (IL 47)

19+700 19+750 19+800

Existing 300mm watermain in 600mm casing

San MH #1
R 201.859
I 198.548 N 200mm
I 198.609 S 200mm
I 198.730 E 200mm

San MH #2
R 202.000
I 198.439 N 200mm
I 198.469 S 200mm

Reconstruct valve vault

Sanitary sewer to be abandoned (typ)

ABANDONED

Remove existing MH

P*1-14.4m 200mm PVC SDR26 @ 0.55%

P*2-47.0m 200mm PVC SDR26 @ 0.55%

S*1- 1.5m 150mm PVC SDR26 @ 1.00% (typ)

COLONIAL PWY.

TH #19 TH #15 TH #14 TH #42 TH #43

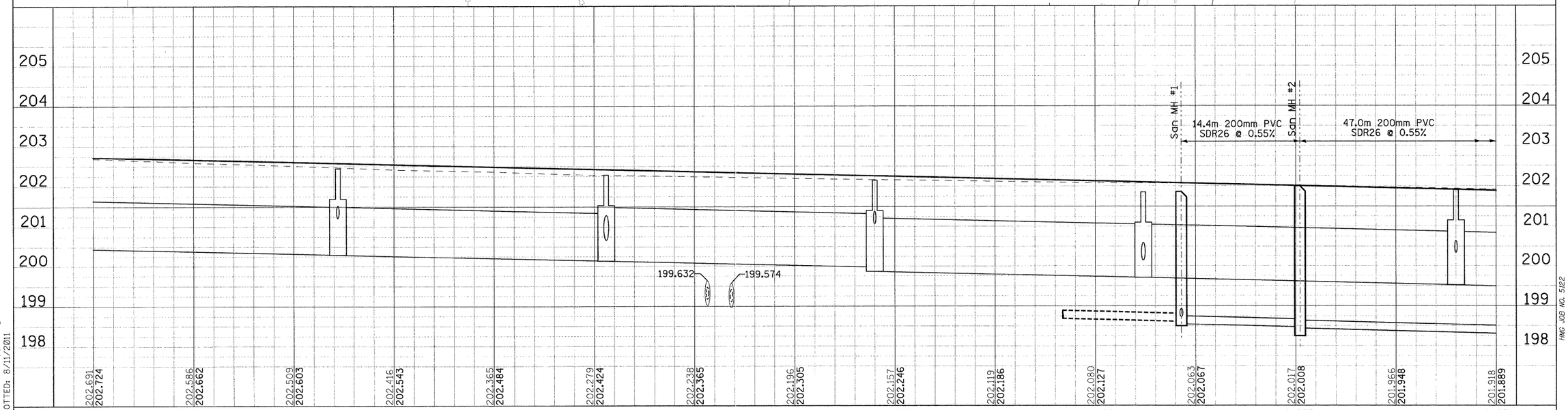
250 PVC 300 PVC 250 PVC

STATE MAIL

5m R 12m R 14m R

000+11

+11m



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PLOTTED: 8/11/2011

HMG JOB NO. 5122

HMG ENGINEERS, INC., 1075 LAKE RD., P.O. BOX 70, CARLYLE, ILLINOIS 62231 (618)-594-3711 WWW.HMGENGINEERS.COM

WATER & SEWER RELOCATION - FAP 326 (IL. RTE. 47)

CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	455
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

SCALE IN METERS
0 5 10 15

ELIZABETH ST.
1+050
MAIN ST. S.
1+000
EXIST. R.O.W.
FLAG POLE
PROP TEMP EASEMENT
PROP ROW
PROP ROW
PROP ROW
ABANDONED
FIII MH
FIII MH
FIII MH
FIII MH
FIII MH
1+100
19+850
19+900
19+950
20+000
20+025
MATCHLINE STA. 19+850
MATCHLINE STA. 20+025
PROPOSED ℄ FAP 326 (IL 47)
Sanitary sewer to be abandoned (typ)
200 CLAY
150 CLAY
200 CLAY
200 CLAY
PROP ROW
PROP TEMP EASEMENT

San MH #3
R 201.375
I 198.150 N 200mm
I 198.180 S 200mm
I 198.300 E 150mm

San MH #4
R 201.000
I 197.799 N 200mm
I 197.829 S 200mm
I 197.874 E 150mm

See Sheet 457 for sanitary sewer construction MH #5 to MH #8

San MH #5
R 200.593
I 197.661 W 200mm
I 197.691 N 200mm
I 197.691 S 200mm

San MH #6
R 201.180
I 198.049 E 200mm
I 197.935 S 200mm

P#2-47.0m 200mm PVC SDR26 @ 0.55%
Connect to existing 150mm sanitary sewer to east
P#3-58.3m 200mm PVC SDR26 @ 0.55%
Connect to existing 150mm sanitary sewer to east
See Sheet 457 for watermain construction
P#4-19.7m 200mm PVC SDR26 @ 0.55%
P#5-44.4m 200mm PVC SDR26 @ 0.55%
Connect to existing 200mm sanitary sewer

47.0m 200mm PVC Sanitary Sewer SDR26 @ 0.55%
58.3m 200mm PVC Sanitary Sewer SDR26 @ 0.55%
19.7m 200mm PVC Sanitary Sewer SDR26 @ 0.55%
44.4m 200mm PVC Sanitary Sewer SDR26 @ 0.55%
San MH #3
San MH #4
San MH #5
San MH #6
300mm watermain in 610mm casing
198.785

19+850	19+875	19+900	19+925	19+950	19+975	20+000	20+025
201.918 / 201.889	201.885 / 201.829	201.841 / 201.769	201.806 / 201.710	201.772 / 201.650	201.737 / 201.591	201.701 / 201.531	201.658 / 201.472
201.625 / 201.412	201.587 / 201.353	201.558 / 201.293	201.515 / 201.234	201.529 / 201.174	201.492 / 201.115	201.466 / 201.055	

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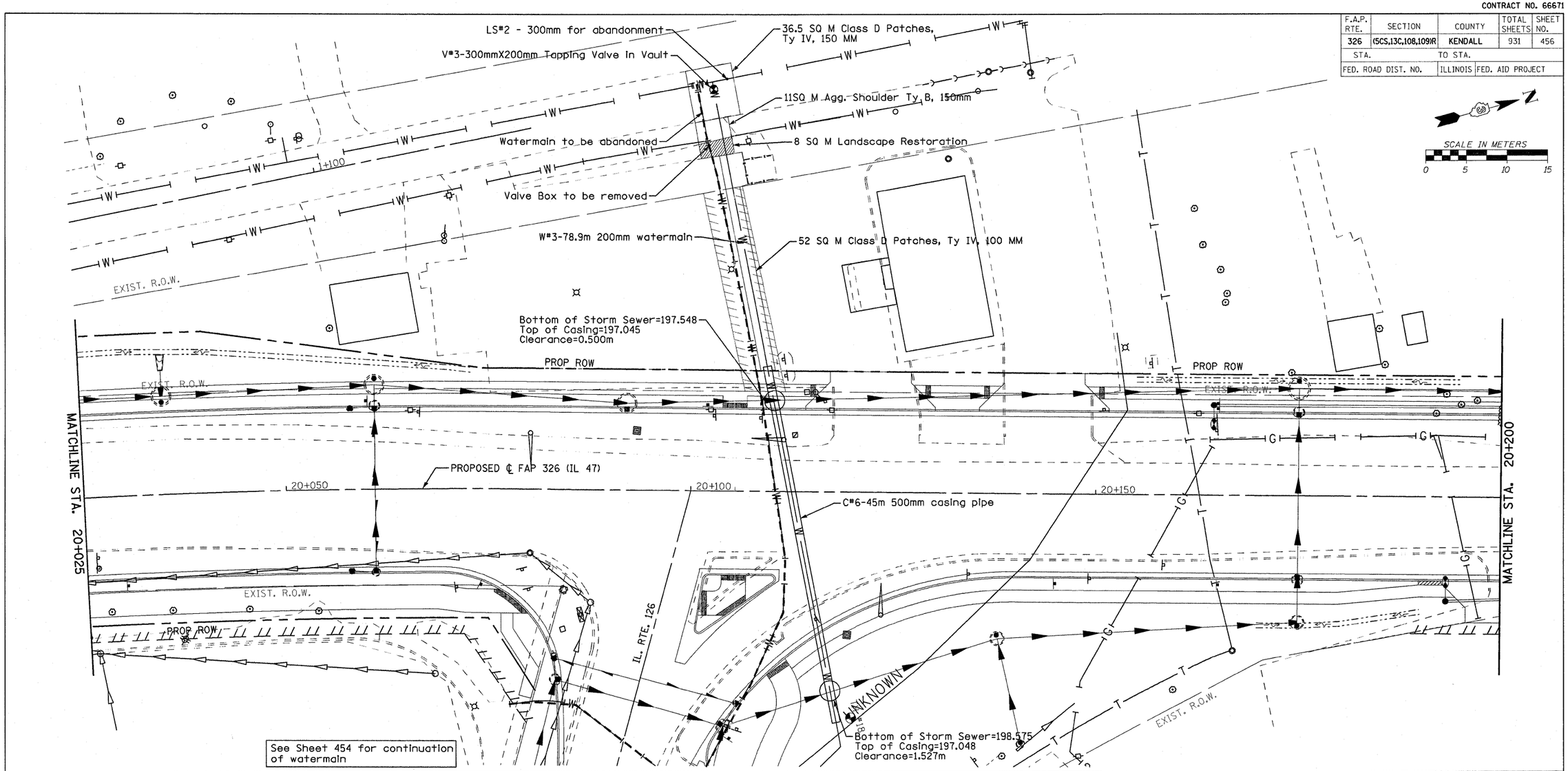
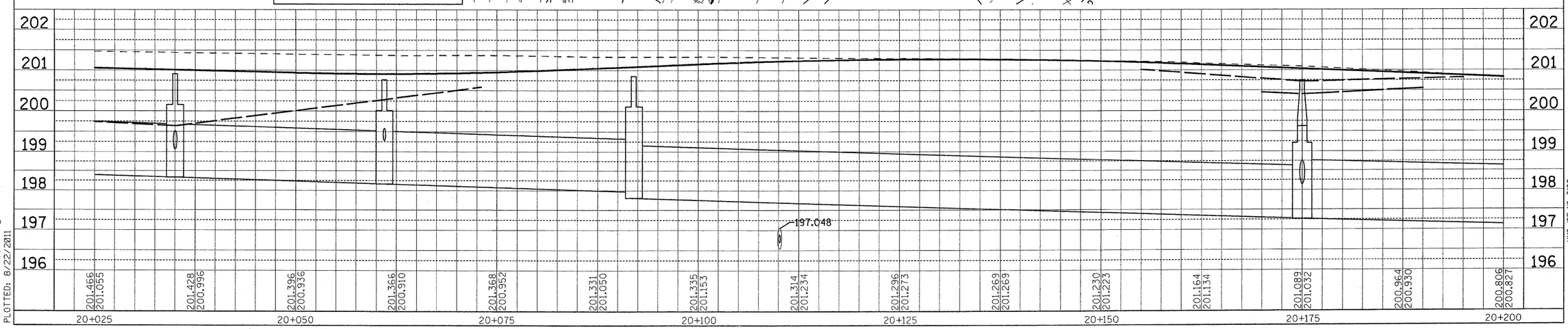
PLOTTED: 8/11/2011
HMG JOB NO. 5122

CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	456
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		





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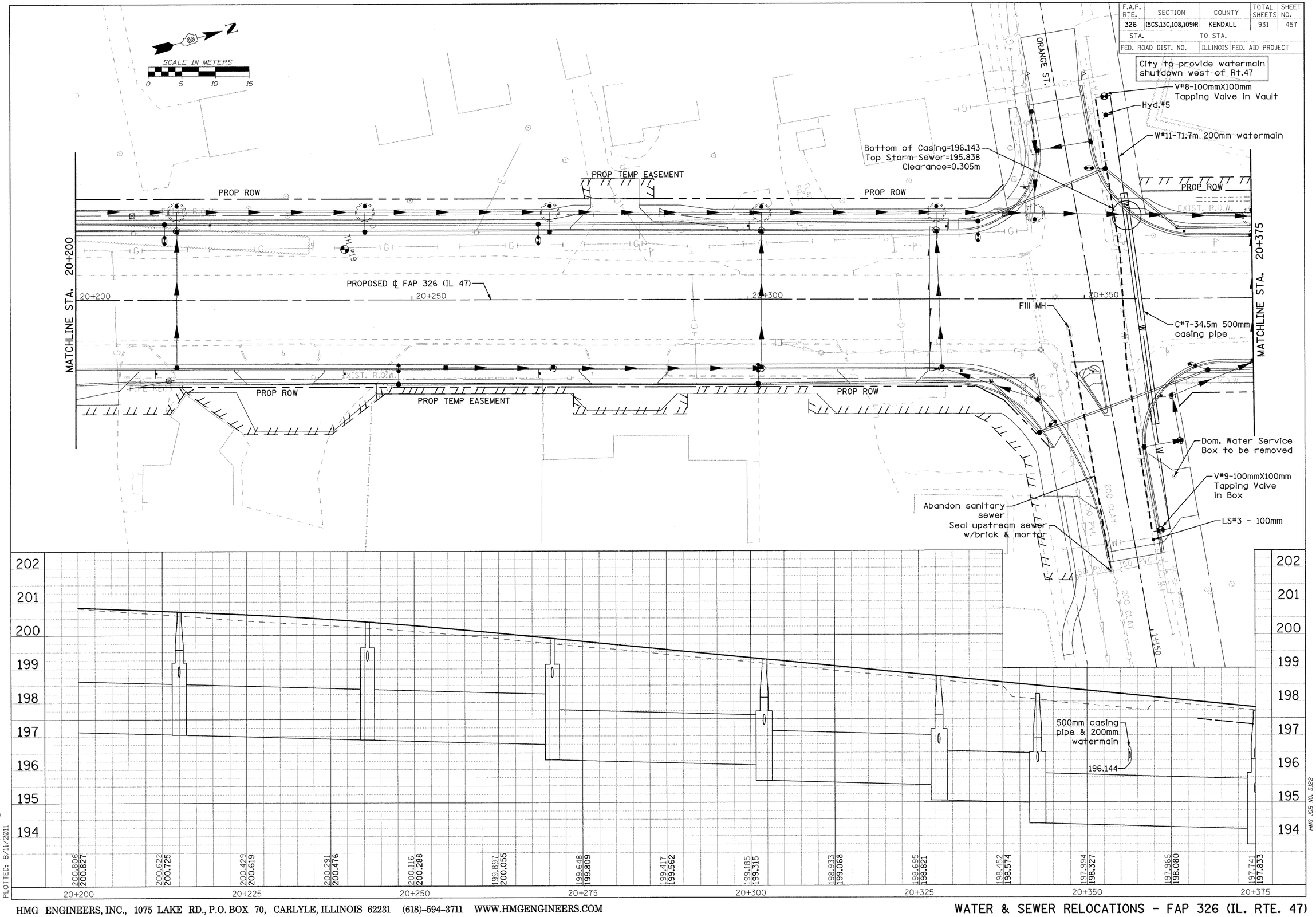
PLOTTED: 8/22/2011

HMG JOB NO. 5122

Sheet: 13
Angle: 74.7702
Chain: P_IL47

CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	457
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



FILE: 457W&Spp_14.dgn
PLOTTED: 8/11/2011

Sheet: 14
Code: 0043214
Engr: P.LAY

HMG JOB NO. 5122

CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	458
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

City will temporarily plug san. overflow @ Washington/S. Main to limit flow thru sewer being replaced.

City to provide watermain shutdown west of Rt.47

WASHINGTON ST.

PROP ROW

Hyd.#6

V#10-100mmx100mm Tapping Valve In Box

W#12-64.0m 200mm watermain

Bottom of casing=194.060
Top of storm sewer=193.759
Clearance=0.301

San MH#10
R 196.026
I 192.665 200mm W
I 192.630 200mm N

San MH#11
R 194.757
I 191.146 200mm N
I 191.176 200mm S
I 191.196 150mm W

S#4-1.5m Sanitary service
150mm PVC SDR26 @ 1.00%

+21m S#6-1.5m
150mm PVC
SDR26 @ 1.00%

+42m S#5-150mm
san. service
1.5m PVC
SDR26 @ 1.00%

P#8-50.5m Sanitary Sewer
200mm SDR26 @ 2.88%

PROP TEMP EASEMENT

EXIST. R.O.W.

12m R

200 CLAY

MATCHLINE STA. 20+375

MATCHLINE STA. 20+550

PROPOSED ℄ FAP 326 (IL 47)

MH to be removed

20+400

20+450

20+500

Abandon watermain (typ)
C#8-30.5m 500mm casing pipe

P#9-63.9m Sanitary Sewer
200mm SDR26 @ 2.88%

Santiary sewer to be abandoned (typ)

Valve Box to be removed

Dom. Water Service Box Removal

FIII MH

32.5 sq m Landscape Restoration

22m sanitary service
150mm PVC SDR26 @ 1.00%

WS#3-27.0m 25mm water service

San MH#9
R 195.875
I 193.096 200mm E
I 193.250 150mm S

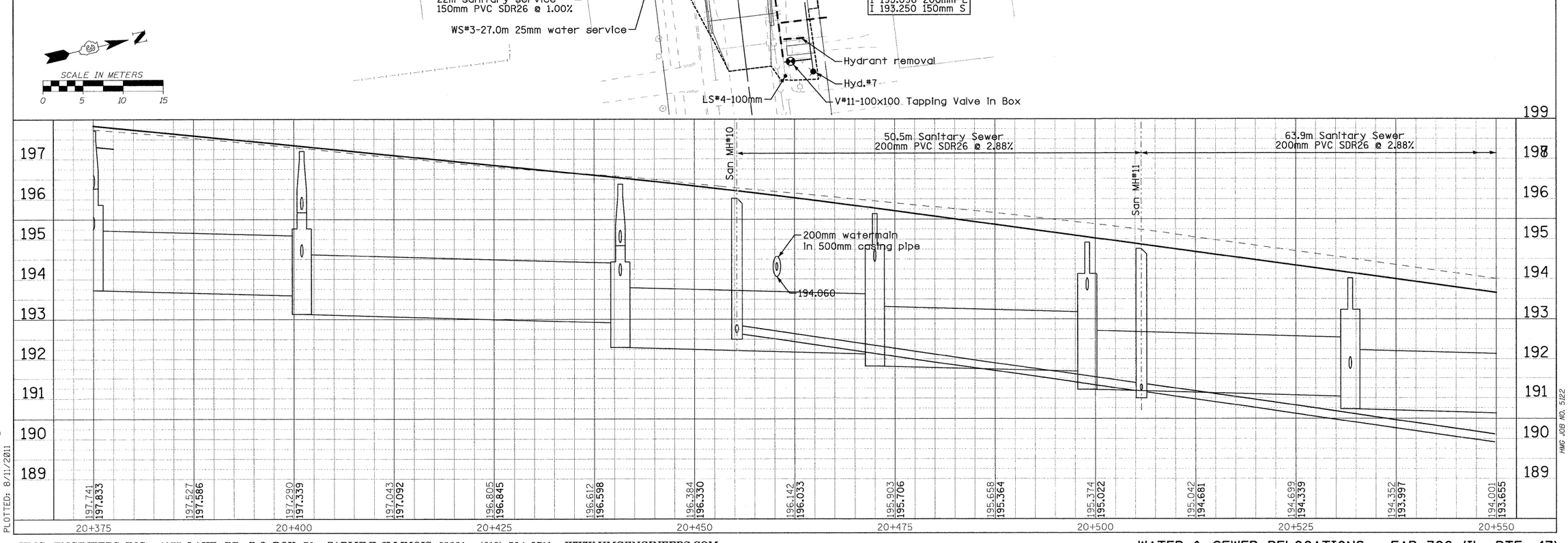
Hydrant removal

Hyd.#7

LS#4-100mm

V#11-100x100 Tapping Valve In Box

SCALE IN METERS
0 5 10 15



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PLOTTED: 8/11/2011

HMG JOB NO. 5122

CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	459
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

San MH#12
R 192.900
I 189.276 200mm E
I 189.306 200mm S
I 189.776 200mm NW

Note 1:
Bottom of casing=191.514
Top of san sewer=189.589
Clearance=1.925m

Note 2:
Top Storm Sewer=191.364
Bottom of Casing=191.514
Clearance=0.150m

San MH#13
R 192.410
I 189.874 200mm SE

Dom Wat Service Box to be removed
WS#4-6.0m 50mm water service
P#9-63.9m san. sewer 200mm PVC SDR26 @ 2.88%
Fill MH
IV#12-200mm Gate Valve in Vault
P#10-19.7m san. sewer 200mm PVC SDR21 @ 0.50%
Exploration Trench, 2.1m
WS#5-19.5m 40mm water service
PROP TEMP EASEMENT
PROP ROW
EXIST. R.O.W.
MH to be removed
Note 1
Note 2
MATCHLINE STA. 20+550
20+550
20+600
20+650
20+700
PROPOSED ℄ FAP 326 (IL 47)
MATCHLINE STA. 20+725
C#9-32.0m 500mm steel casing pipe
Valve Vault to be removed
San. Sewer Repair#1-2m 200mm PVC DR18
8+000
TH #20
EXIST. R.O.W.
PROP ROW
Valve Box to be removed
PROP TEMP EASEMENT
Hydrant to be removed
FOX ST.
W#13-91.7m 200mm watermain
MATCHLINE STA. 8+030
N
SCALE IN METERS
0 5 10 15

63.9m 200mm PVC SDR26 @ 2.88%
19.7m 200mm PVC SDR21 @ 0.50%
San MH#12
San MH#13
191.514
200mm watermain in 500mm casing pipe

	20+550	20+575	20+600	20+625	20+650	20+675	20+700	20+725
Ground	194.001	193.631	193.262	192.928	192.513	192.079	191.614	191.129
Invert	193.655	193.314	192.970	192.606	192.217	191.803	191.364	190.900
	190.691	190.244	189.722	189.152	188.567	187.973	187.353	
	190.411	189.897	189.358	188.794	188.213	187.632	187.051	

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PLOTTED: 8/22/2011

HMG JOB NO. 5122

HMG ENGINEERS, INC., 1075 LAKE RD., P.O. BOX 70, CARLYLE, ILLINOIS 62231 (618)-594-3711 WWW.HMGENGINEERS.COM

WATER & SEWER RELOCATIONS - FAP 326 (IL. RTE. 47)

CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	460
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

P*12-39.7m 200mm sanitary sewer, PVC DR18 @ 0.50%

See Sheet 459 for continuation of sanitary sewer

LS*16-150mm

Dom Wat Service Box to be removed

+16m

S*8-7m 150mm PVC DR18 @ 1.0% plug end of sewer

WS*28-11.4m 25mm water service Connect to existing corp. stop

Fire Hydrant to be removed

Hyd.*29 Connect to existing hydrant leg

Bottom San sewer=180.075
Est. top of watermain casing=179.690
Clearance=0.385m

150mm sanitary service, PVC DR18 @ 1.00%(typ)

Exploratory Trench, 2.1m

PROP TEMP EASEMENT

MATCHLINE STA. 20+725

MATCHLINE STA. 20+900

EXIST. R.O.W.

PROPOSED ℄ FAP 326 (IL 47)

MH to be removed

20+750

20+800

20+850

T.B.D.

Sanitary sewer to be abandoned (typ)

P*13-97.6m 200mm sanitary sewer, PVC DR18 @ 4.21%

1+100

PROP ROW

PROP TEMP EASEMENT

FLAG POLE

C.E. +755.888 W-7.2

PROP ROW

San MH #15
R 181.675
I 180.136 200mm W
I 180.136 200mm N

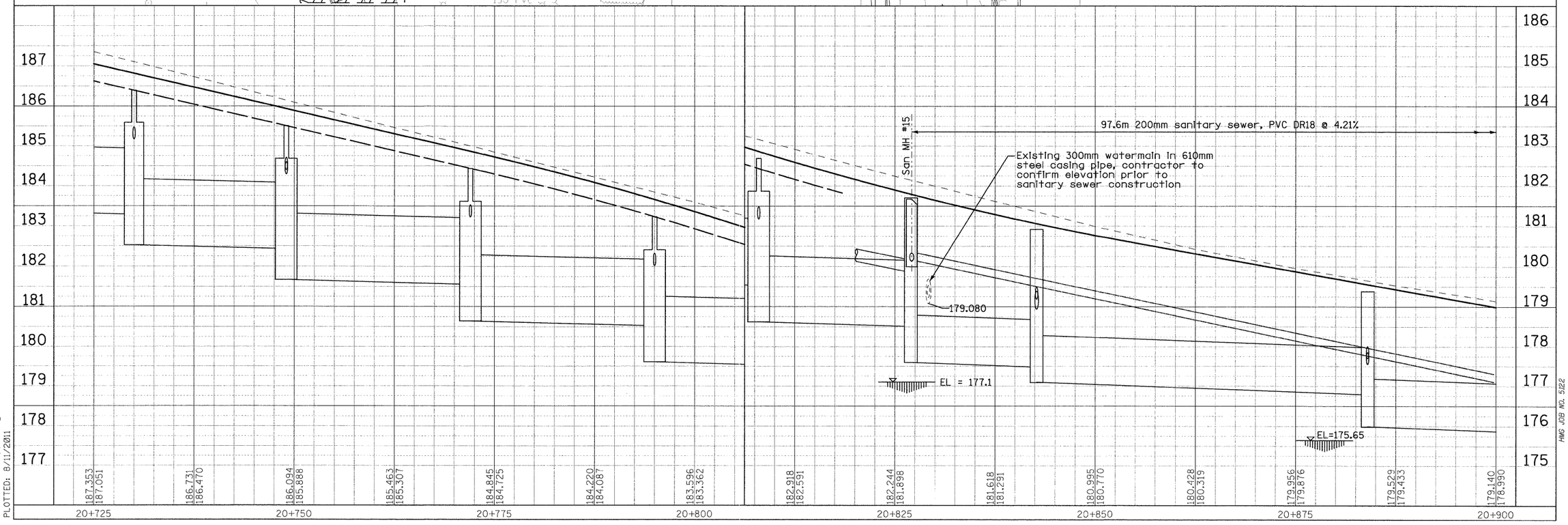
ABANDONED

EXIST. R.O.W.

VAN EMMON ST.

150 PVC

SCALE IN METERS
0 5 10 15



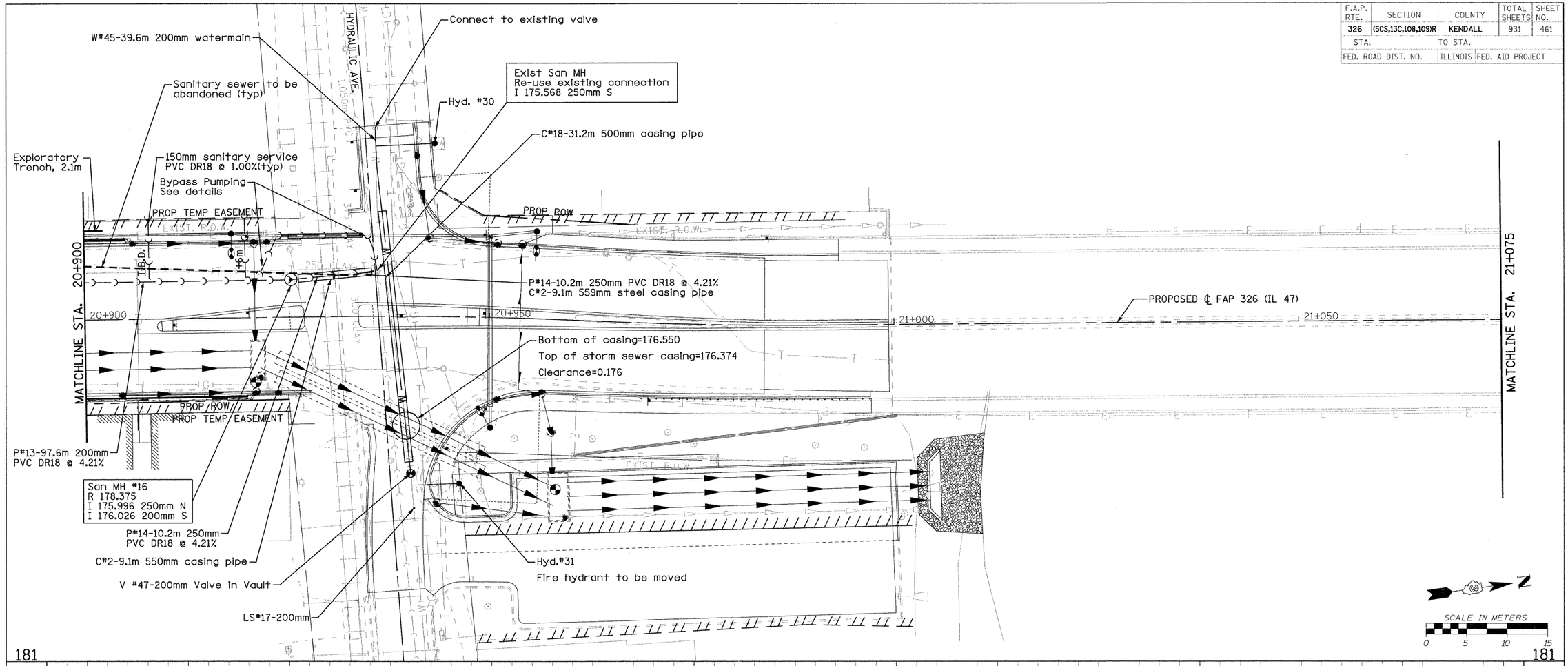
FILE: 460W&Sap_17.dgn
PLOTTED: 8/11/2011

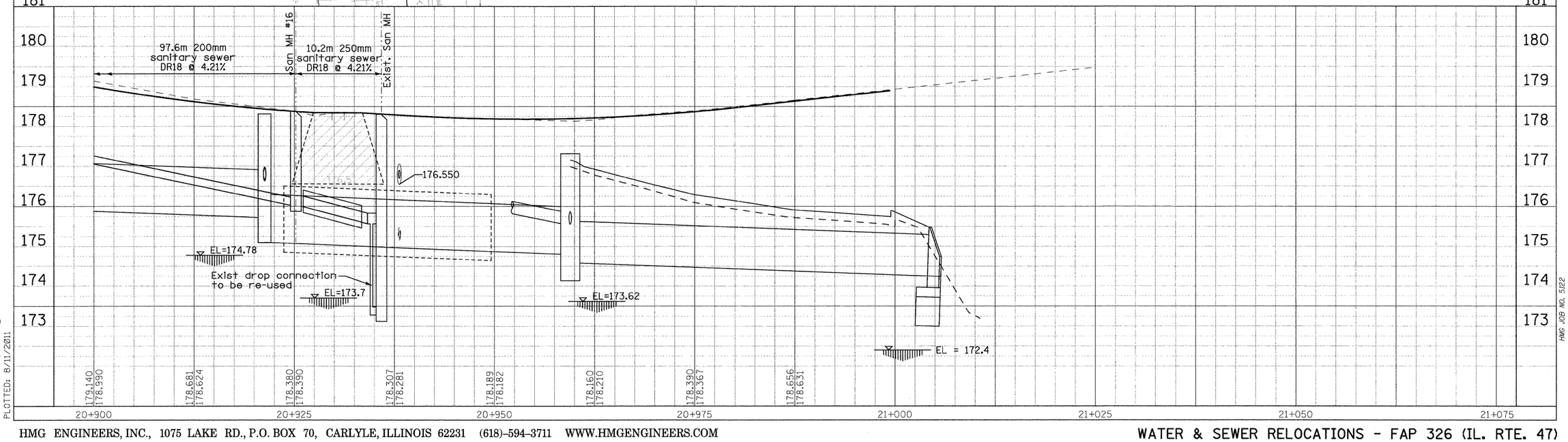
HMG JOB NO. 5122

Sheet: 17
Area: 82.7126
Length: P-11.47

CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	461
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	





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PLOTTED: 8/11/2011

HMG JOB NO. 5122

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WATER & SEWER RELOCATIONS - FAP 326 (IL. RTE. 47)

CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	462
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

N

SCALE IN METERS
0 5 10 15

See Sheet 180 for water service reconnections

City to provide watermain shutdown on W. Main St.

Hyd.#10

V#15-200mm Gate Valve In Vault

RIVER ST.

PROP TEMP EASEMENT

EXIST. R.O.W.

300 RCP

MATCHLINE STA. 21+200

21+200

21+250

21+300

21+350

PROPOSED ℄ FAP 326 (IL 47)

PROP ROW

V#17-200mm Tapping Valve In Vault

W#15-13.6m 200mm watermain

Dom Water Service Box

WS#10-1.6m 25mm water service

W#14-144.8m 200mm watermain

V#16-200mm Gate Valve In Vault

MAIN ST. N.

Hyd. #11

V#18-200mm Gate Valve In Vault

Bottom of watermain=189.395
Top of exist. casing=188.297
Clearance=1.098m

Hydrant to be removed

Watermain to be abandoned (typ)

C#10-27.5m 500mm steel casing pipe

MATCHLINE STA. 21+375

Bottom of casing=189.450
Top of storm sewer=188.281
Clearance=1.169m

W#16-61.7m 200mm watermain

Hyd.#12

Proposed 200mm watermain in 500mm steel casing

189.450

187.843

	21+200	21+225	21+250	21+275	21+300	21+325	21+350	21+375
Existing	183.902	184.421	184.974	185.525	186.085	186.654	187.234	187.799
Proposed	183.890	184.398	184.946	185.521	186.099	186.717	187.381	188.068
Existing	188.364	188.954	189.583	190.207	190.756	191.139	191.412	
Proposed	188.756	189.443	190.130	190.737	191.205	191.535	191.725	

FILE: 462W&Spp_20.dgn
PLOTTED: 8/11/2011

HMG JOB NO. 522

Sheet: 20
Angle: 84.3224
Chord: P.I.47

CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	463
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

City to provide watermain shutdown on W. Center Street

San MH#17
R-190.957
I-186.236 NE 300mm
I-186.221 E 300mm
I-186.221 W 300mm
Seal east invert & reconstruct bench after abandoning existing sewer.

W#20-3.0m 200mm watermain

W#17-107.6m 200mm watermain

V#20-200mm Gate Valve In Vault

PROP TEMP EASEMENT

EXIST. R.O.W.

P#16-38.1m 300mm SDR21 san sewer @0.11%

Sanitary sewer to be abandoned (typ)

C#3-29.0m 750mm casing pipe

PROPOSED ℄ FAP 326 (IL 47)

MATCHLINE STA. 21+375

21+400

21+450

MH to be filled

Bottom of storm sewer=187.200
Top of casing=186.829
Clearance=0.371m

PROP ROW

PROP TEMP EASEMENT

P#17-3.7m 300mm SDR21 san sewer @0.11%

Dom Wat Service Box to be removed

WS#13-26.4m 25mm water service

San MH#20
R-190.950
I-186.338 E 300mm
I-186.338 W 300mm
I-186.323 NW 300mm existing sewer.
Seal west invert & reconstruct bench after abandoning

CENTER ST.

P#15-3.7m 300mm SDR21 san sewer @0.11%

San MH#18
R-190.977
I-186.256 E 300mm
I-186.241 SW 300mm

Bottom of watermain=189.121
Top of san sewer=186.561
Clearance=2.560m

W#18-12.4m 200mm watermain

V#22-200mm Gate Valve In Vault

PROP TEMP EASEMENT

EXIST. R.O.W.

W#19-94.4m 200mm watermain

Hyd.#14

PROP ROW

C#11-30.3m 500mm casing pipe

Watermain to be abandoned (typ)

21+500

Valve Box to be removed

Hydrant to be removed

PROP ROW

Bottom of Casing=189.090
Top of storm sewer=188.737
Clearance=0.353m

W#21-52.0m 200mm watermain

San MH#19
R-190.955
I-186.318 SE 300mm
I-186.303 W 300mm

Hyd.#13

WS#14-1.8m 25mm water service

V#21-150mmX150mm Tapping Valve In Vault

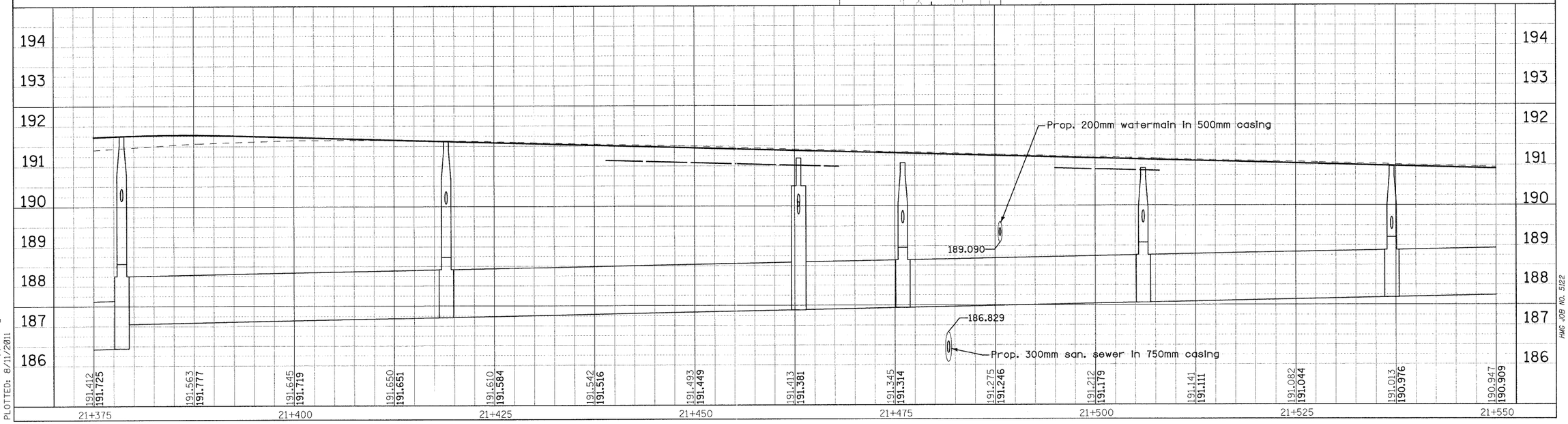
Dom Wat Service Box to be removed

LS#8-150mm

MATCHLINE STA. 21+550

Water service for 405 N. Bridge is from Spring Street to rear of house.

SCALE IN METERS
0 5 10 15



FILE: 463W&Spp_21.dgn
PLOTTED: 8/11/2011

HMG JOB NO. 5122

Sheet: 21
Angle: 83.9071
Chan: P.IL47

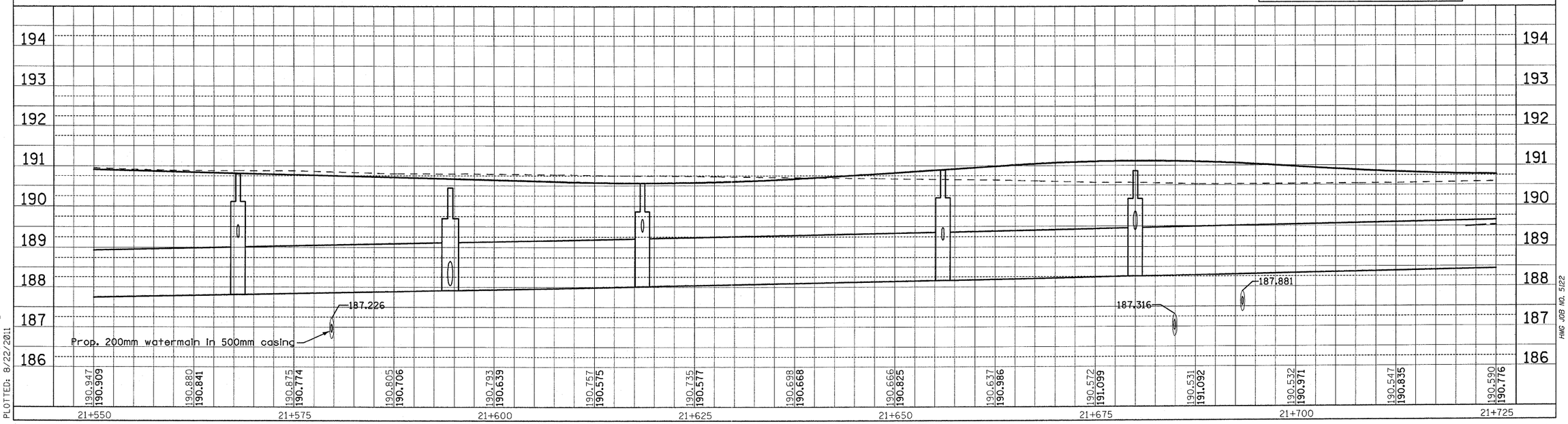
CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	464
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

SCALE IN METERS
0 5 10

See Sheet 461 for watermain relocations along Spring Street.

Hyd.#15
W#S#15-1.6m 25mm water service
W#24-35.2m 200mm watermain
V#23-200mm Gate Valve In Vault
W#19-94.4m 200mm watermain
SPRING ST.
Dom Wat Service Box to be removed
Fire Hydrant to be removed
PROP ROW
EXIST. R.O.W.
MATCHLINE STA. 21+550
C#12-26.4m 500mm casing pipe
21+550
21+600
PROPOSED ℄ FAP 326 (IL 47)
21+650
21+700
Watermain to be abandoned (typ)
Valve Box to be removed
Bottom of storm sewer=187.726
Top of casing=187.226
Clearance=0.500m
W#22-47.8m 200mm watermain
200 CLAY
150 CLAY
Hyd.#16
V#25-150mmX150mm Tapping Valve In Vault
W#23-10.8m 150mm watermain
City to provide watermain shutdown east of Rt.47
SOMONAUK ST.
PROP ROW
EXIST. R.O.W.
MATCHLINE STA. 21+725
CHILD
See Sheets 462-463 for watermain & sanitary sewer relocations along Somonauk Street.



FILE: 464W&Spp_22.dgn
PLOTTED: 8/22/2011
Sheet: 22
Angles: 83.3071
Chains: P_IL47

HMG JOB NO. 5122

CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	465
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

Existing water service from Tower Lane

PROP TEMP EASEMENT

PROP ROW

EXIST. R.O.W.

WS*18-44.1m 25mm water service

WS*22-30.7m 25mm water service

WS*21-25.8m 25mm water service

WS*20-26.1m 25mm water service

Dom Wat Service Box to be removed

Dom Wat Service Box to be removed

Dom Wat Service Box to be removed

Dom Wat Service Box to be removed

21+750

21+800

21+850

PROPOSED ℄ FAP 326 (IL 47)

FIII MH

Abandon san. sewer

Watermain abandonment (typ)

MATCHLINE STA. 21+900

Hyd.#18

Fire Hydrant to be removed

Dom Wat Service Box to be removed

WS*19-1.6m 25mm water service

PROP TEMP EASEMENT

W*28-222.6m 200mm watermain

Bottom of storm sewer=192.078
Top of watermain=191.324
Clearance=0.754m

Dom Wat Service Box to be removed

WS*17-14.6m 25mm water service

S17-4m 150mm PVC, SDR26 @ 1.0%
Connect to existing

S18-9m 150mm PVC, SDR26 @ 1.0%
Plug end of service

200 CLAY

PARK ST.

San MH*25
R-191.843
I-187.368 150mm N&S
I-187.292 200mm E

Dom Wat Service Box to be removed

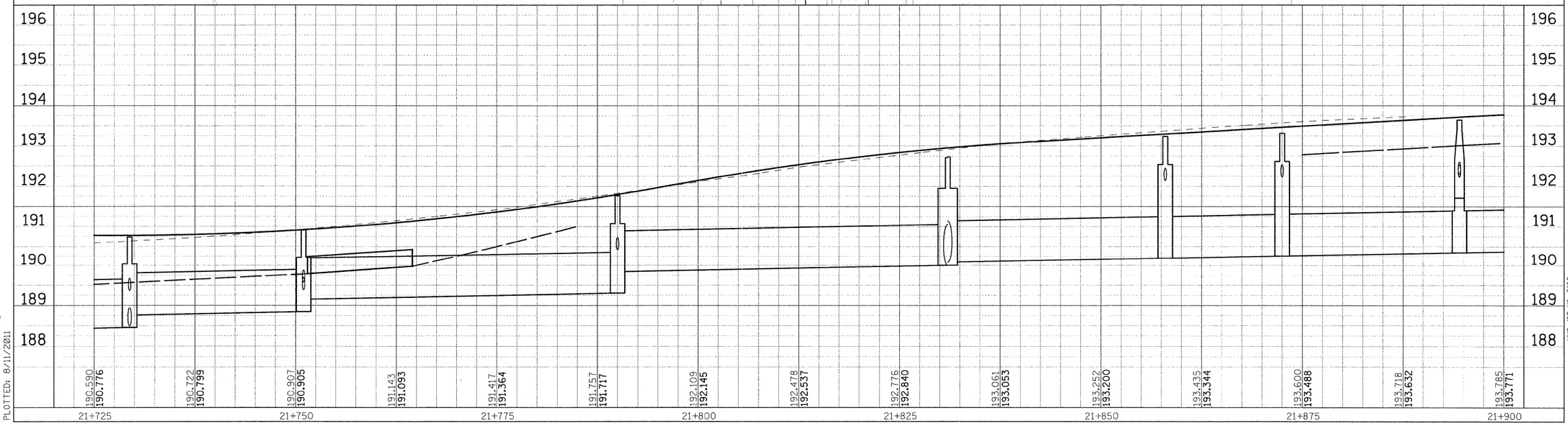
WS*16-15.1m 25mm water service

LS*10-150mm

W*27-3.0m 150mm watermain

V*28-150mmX150mm Tapping Valve In Vault

SCALE IN METERS
0 5 10 15



FILE: 465W&Spp_23.dgn
PLOTTED: 8/11/2011

HMG JOB NO. 5122

Sheet 23
Angle 87.2566
Illinois Plate

CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	466
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

City to provide watermain shutdown north of Appletree Ct.

Existing water service to rear

Private well
No water service

LS#11-150mm

V#29-200mm Gate Valve In Vault

Connect existing service to new watermain

V#30-200mm Gate Valve In Vault

APPLETREE CT.

Hyd.#20

Fire Hydrant to be removed

Valve box to be removed

W#29-22.6m 200mm watermain
Connect to existing

PROP ROW

EXIST. R.O.W.

Valve vault to be removed

Watermain to be abandoned (typ)

Valve vault to be removed

21+950

PROPOSED ℄ FAP 326 (IL 47)

22+000

Fire Hydrant to be removed

Dom Wat Service Box to be removed

Fire Hydrant to be removed

Valve vault to be removed

22+050

21+900

MATCHLINE STA. 21+900

MATCHLINE STA. 22+075

Bottom of storm sewer=192.254
Top of watermain=191.726
Clearance=0.528m

WS#23-4.7m 40mm water service

Hyd#21

W#30-5.4m 200mm watermain
Connect to existing

27.7 sq m Landscape Restoration

W#31-144.3m 200mm watermain

V#32-200mm Gate Valve In Vault

V#31-200mm Gate Valve In Vault

Hyd#19

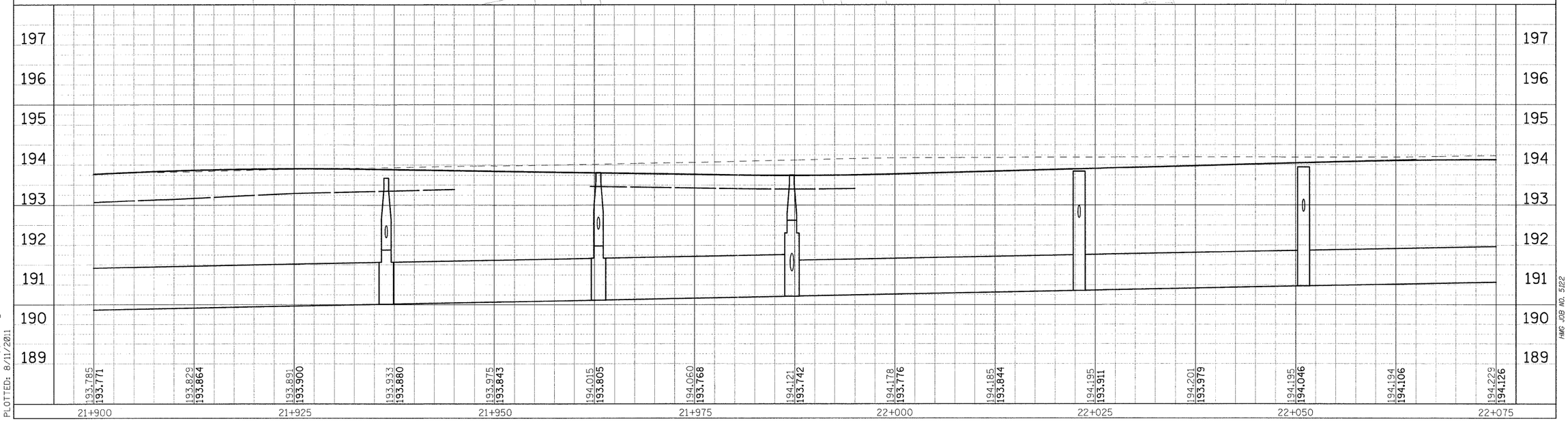
W#28-222.6m 200mm watermain

PROP TEMP EASEMENT

Existing water service to side

City to provide watermain shutdown east of Rt.47

SCALE IN METERS
0 5 10 15



FILE: 466W&Spp_24.dgn
PLOTTED: 8/11/2011

HMG JOB NO. 5122

HMG ENGINEERS, INC., 1075 LAKE RD., P.O. BOX 70, CARLYLE, ILLINOIS 62231 (618)-594-3711 WWW.HMGENGINEERS.COM

WATER & SEWER RELOCATIONS - FAP 326 (IL. RTE. 47)

CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	467
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

Private well
No water service

Water service
to north side

City to provide watermain
shutdown west of Rt.47

San MH#26
R-193.905
I-190.592 200mm SE

Bottom of storm sewer=191.389
Top of san sewer=190.797
Clearance=0.592m

W#33-36.6m 300mm watermain

Bottom of storm sewer=191.415
Top of casing=190.915
Clearance=0.500m

Bottom of watermains approx=192.3
Top of casing=191.051
Clearance=1.249m

V#34-300mmX300mm
Tapping Valve In Vault

Hyd.#23

Fire Hydrant to be removed

PROP TEMP EASEMENT

PROP ROW

EXIST. R.O.W.

MATCHLINE STA. 22+075

MATCHLINE STA. 22+250

22+100

22+150

22+200

Watermain to be abandoned (typ)

PROPOSED ℄ FAP 326 (IL 47)

Valve Vault to be removed

Valve Box to be removed

P#21-31.3m 200mm PVC SDR21
sanitary sewer @ 0.50%

C#5-22.9m 500mm
casing pipe

C#14-25.8m 600mm
casing pipe

Dom Wat Service Box to be removed

Valve Vaults to
be removed

Connect to existing MH
I-190.435 200mm NW
Reconstruct
bench to flow

W#31-144.3m 200mm watermain

Hyd.#22

FLAG POLE

WS#24-3.0m 25mm water service

V#33-200mm Gate Valve In Vault

W#32-68.6m 300mm watermain

Bottom of storm sewer=192.706
Top of watermain=191.830
Clearance=0.876m

WALNUT ST.

V#35-300mmX300mm
Tapping Valve In Vault

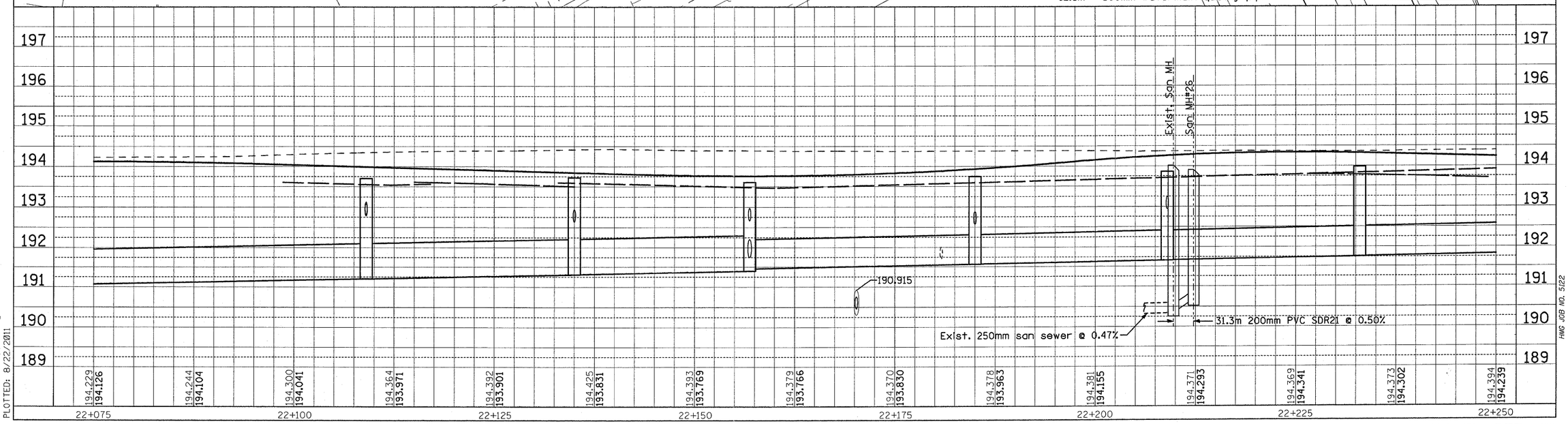
Bottom of storm sewer=192.791
Top of watermain=192.106
Clearance=0.685m

1.8m(typ)

12.8m - 300mm watermain quality pipe

City to provide watermain
shutdown on Walnut St.

SCALE IN METERS
0 5 10 15



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PLOTTED: 8/22/2011

Sheet: 25
Angle: 58.1405
Chain: P_IL47

HMG JOB NO. 5122

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WATER & SEWER RELOCATIONS - FAP 326 (IL. RTE. 47)

CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	468
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

PROP TEMP EASEMENT
PROP ROW
EXIST. R.O.W.
MATCHLINE STA. 22+250
22+250
22+300
22+350
22+400
PROPOSED ℄ FAP 326 (IL 47)
52.9 sq m Landscape Restoration
V*36-200mmX200mm Tapping Valve In Vault
W*34-51.9m 200mm watermain
Bottom of storm sewer=192.342
Top of casing=191.842
Clearance=0.500m
C*15-30.7m 500mm casing pipe
MATCHLINE STA. 22+425
V*37-200mm Gate Valve In Vault
LANDMARK AVE.
1+050
N
SCALE IN METERS
0 5 10 15
City to provide watermain shutdown east of Rt.47

	22+250	22+275	22+300	22+325	22+350	22+375	22+400	22+425
	194.394	194.411	194.408	194.418	194.419	194.446	194.478	194.512
	194.239	194.177	194.118	194.096	194.120	194.166	194.212	194.259
	194.518	194.554	194.579	194.596	194.627	194.629	194.629	
	194.305	194.351	194.397	194.444	194.490	194.536	194.582	

198 197 196 195 194 193 192 191
191.842
200mm watermain in 500mm casing pipe

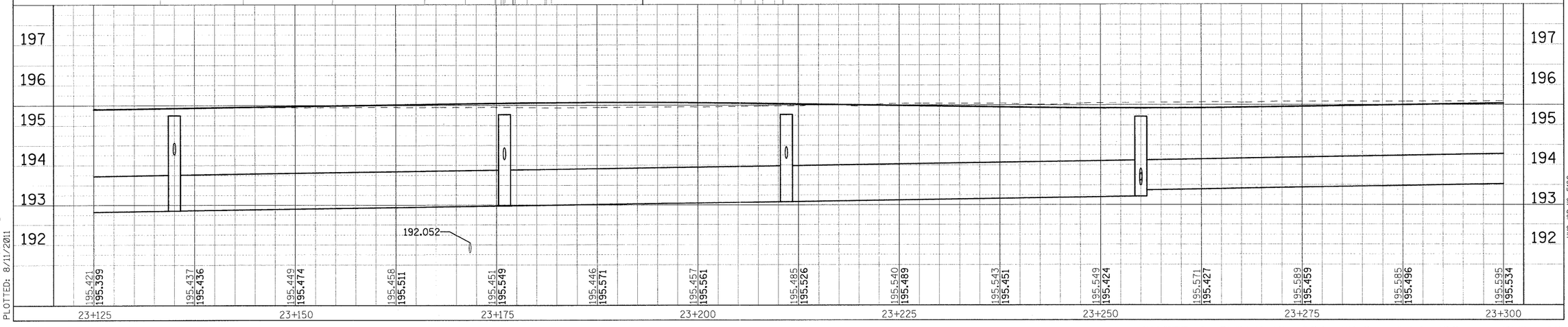
FILE: 468W&Sp_26.dgn
PLOTTED: 8/22/2011
Sheet: 26
Angle: 81.2490
Chain: P_IL47
HMG JOB NO. 5122

CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	469
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

City to provide watermain shutdown west of Rt.47

12.5 sq m Class D Patches, Ty IV, 150mm
1.8m - Remove & Replace Comb. Curb & Gutter B-15.30
55.9 sq m Landscape Restoration
W*35-55.8m 300mm watermain
57.3 sq m Landscape Restoration
V*38-300mmX300mm Tapping Valve in Vault
LS*12-300mm
PROP ROW
MATCHLINE STA. 1+155
Hyd.*24
Connect to existing 300mm watermain
45.5 sq m Landscape Restoration
V*39-300mm Gate Valve in Box
Valve Vaults to be removed
Fire Hydrant to be removed
Bottom of watermain=193.520
Top of sanitary sewer=192.337
Clearance=1.183m
Watermain to be abandoned (typ)
PROPOSED ℄ FAP 326 (IL 47)
MATCHLINE STA. 23+125
MATCHLINE STA. 23+300
23+150
23+200
23+250
EXIST. R.O.W.
COUNTRYSIDE PARKWAY
SCALE IN METERS
0 5 10 15



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PLOTTED: 8/11/2011
HMG JOB NO. 5122

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WATER & SEWER RELOCATIONS - FAP 326 (IL. RTE. 47)

Sheet: 31
Angle: 86.7078
Chain: F-IL47

CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	470
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

W*3-78.9m 200mm watermain

Bottom of Storm Sewer=198.575
Top of Casing=197.245
Clearance=1.330m

V*4-200mm Gate Valve In Vault

Connection to school water service to be performed during summer break

V*7-200mm Gate Valve In Box

City to provide watermain shutdown north of V*7

W*9-17.5m 200mm watermain

Connect to existing watermain

Fire Hydrant to be removed

Valve vault to be removed

Hyd.*3

Connect to existing school 150mm water service

W*6-57.7m 200mm watermain

W*7-2.8m 150mm Watermain

W*8-68.5m 200mm Watermain

W*10-7.0m 200mm watermain

V*5-150mm Gate Valve In Vault

PROP ROW

Valve box to be removed

Hyd.*4

V*6-200mm Gate Valve In Box

Valve vault to be removed
Connect to existing watermain

Valve vault to be removed

SEE SHEET 440

PROPOSED ℄ IL 126

Fire Hydrant to be removed

Dom. Water Service Box to be Removed

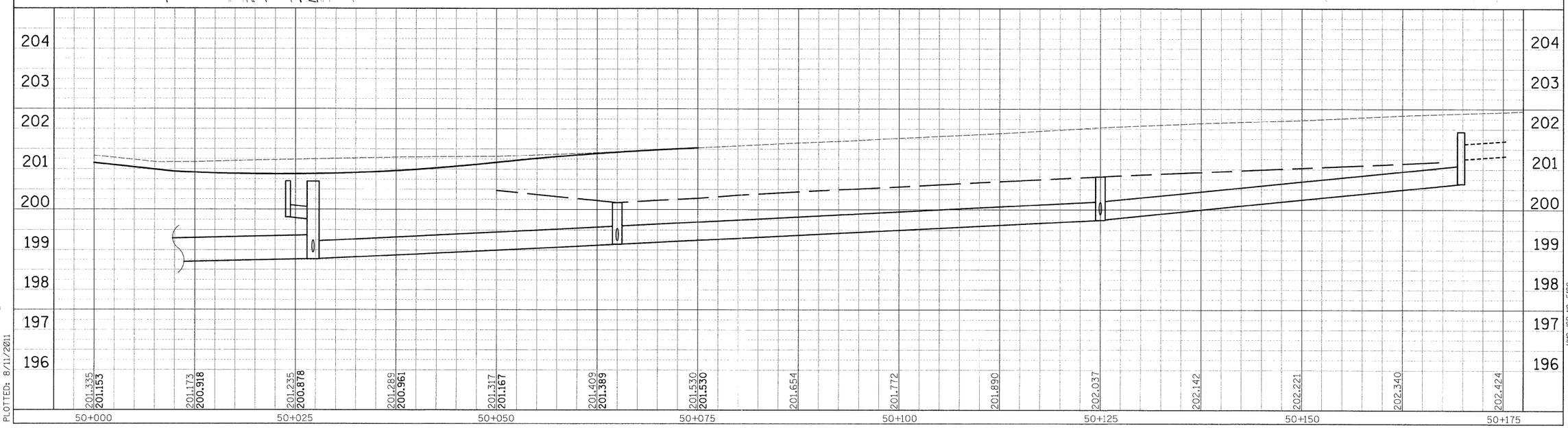
WS*1-27.9m 50mm water service

WS*2-9.3m 30mm water service

Dom. Water Service Box to be Removed

City to provide watermain shutdown south of V*6

SCALE IN METERS
0 5 10 15



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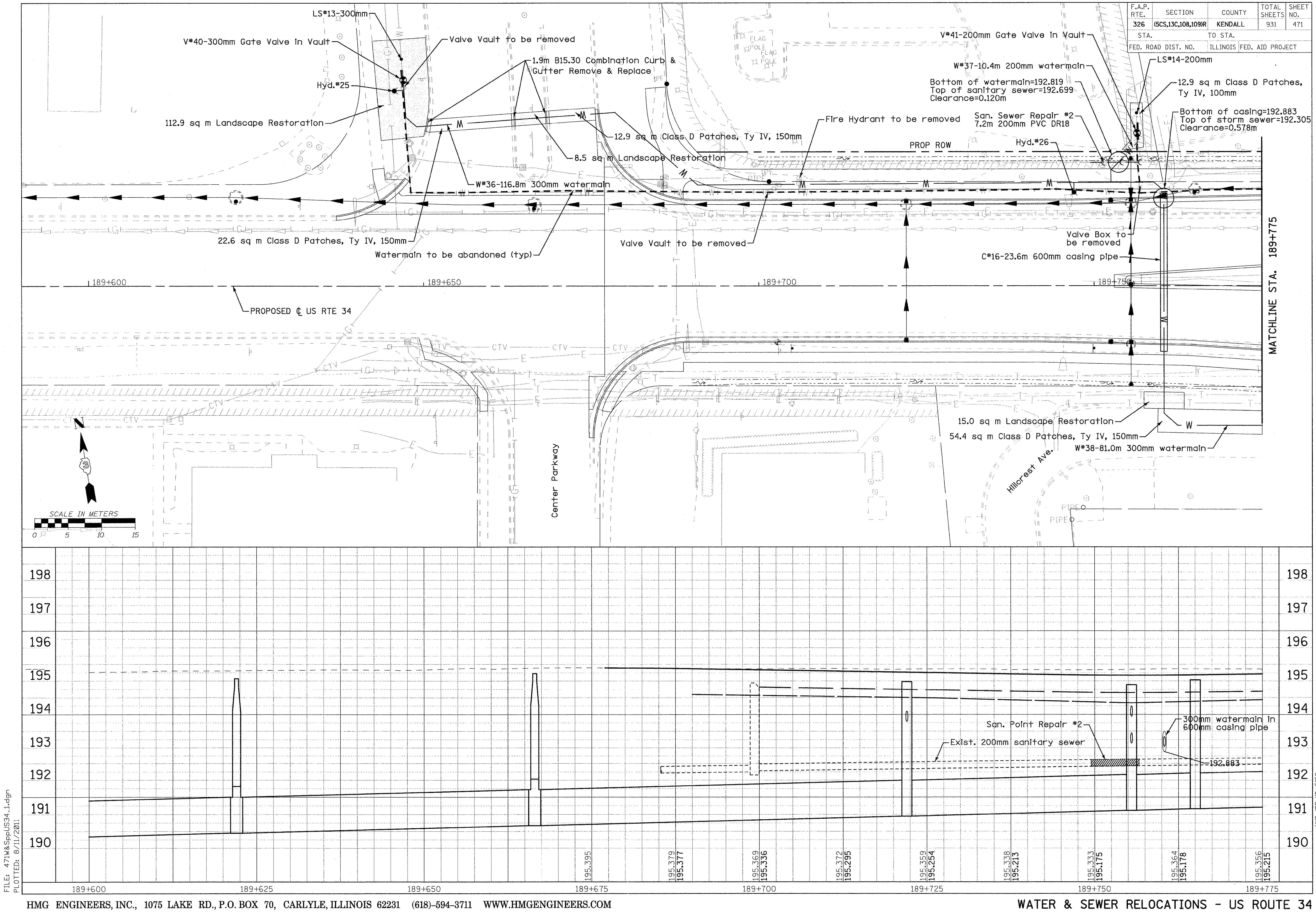
PLOTTED: 8/11/2011

HMG JOB NO. 5122

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	471
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	472
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

SCALE IN METERS
0 5 10 15

N

Watermain to be abandoned (typ)

WS*27-29.9m 40mm water service

LS*15-300mm

50.1 sq m Landscape Restoration

Dom Wat Service Box to be removed

V*46-300mm Gate Valve in Vault

Hyd.*28

Fire Hydrant to be removed

FLAG POLE

PROP ROW

Valve Vaults to be removed

MATCHLINE STA. 189+775

MATCHLINE STA. 189+950

W*44-40.9m 300mm watermain

Bottom of storm sewer=192.870
Bottom of casing=193.373
Clearance=0.503m

Top of san. sewer=193.002
Bottom of casing=193.223
Clearance=0.221m

189+800

189+850

189+900

PROPOSED ℄ US RTE 34

C*17-34.7m 600mm casing pipe

PROP TEMP EASEMENT

PROP ROW

W*38-81.0m 300mm watermain
Hillcrest Ave.

V*44-200mm Gate Valve in Vault

W*41-3.8m 200mm watermain

V*43-300mm Gate Valve in Vault

197.5 sq m Class D Patches, Ty IV, 150mm

Hyd.*27

W*42-61.9m 300mm watermain

W*43-3.8m 200mm watermain

W*40-12.3m 300mm watermain

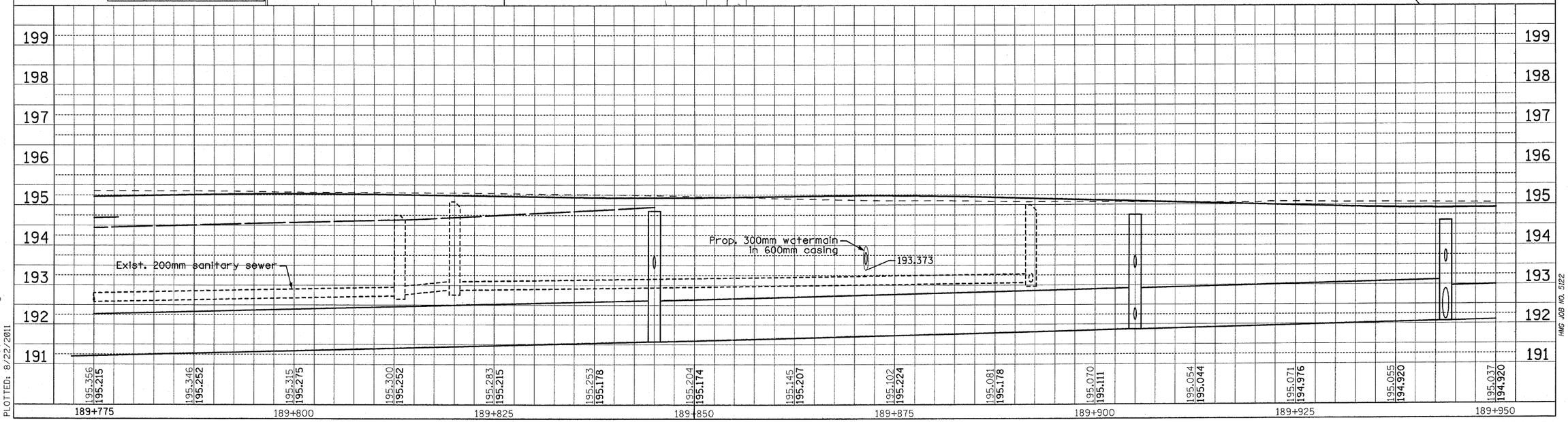
V*42-300mm Gate Valve in Vault

W*39-3.8m 300mm watermain

V*45-200mmX200mm Tapping Valve in Box

City to provide watermain shutdown on Sunset Ave.

23 sq m Landscape Restoration



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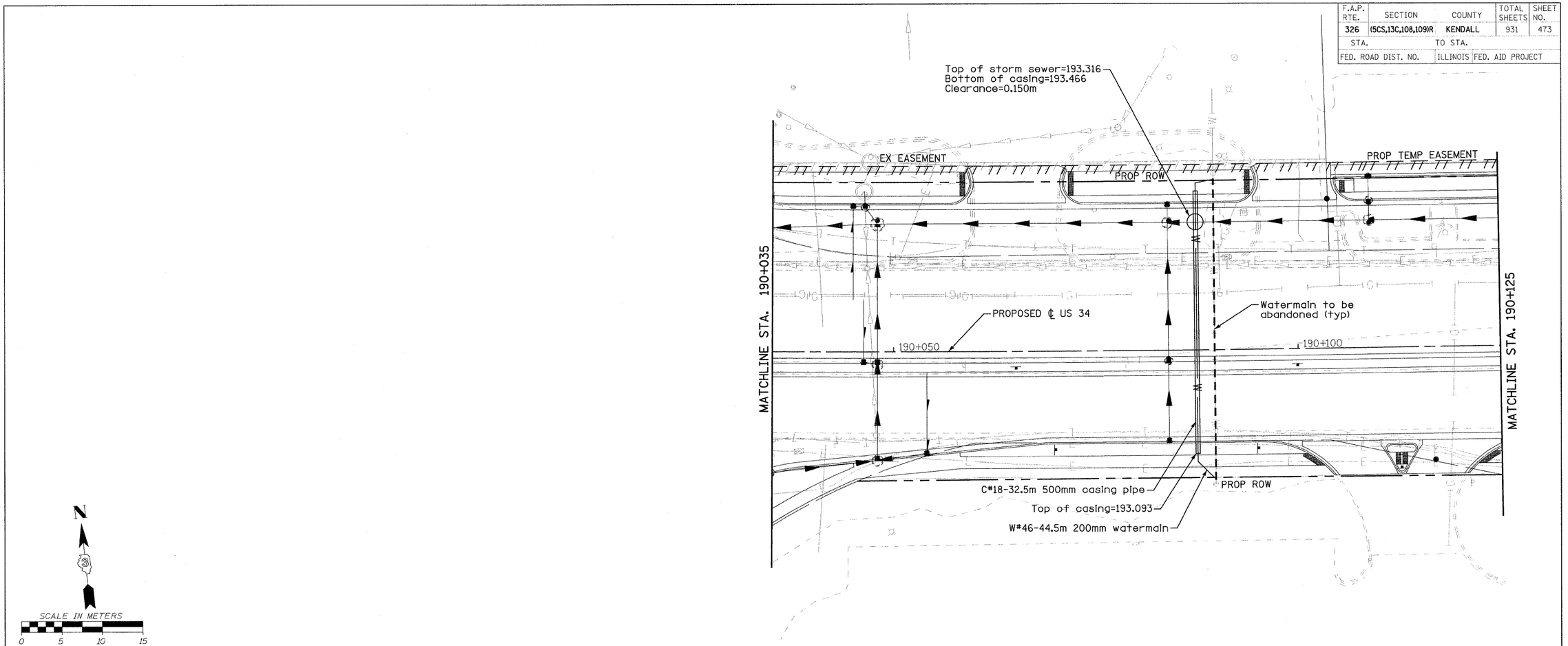
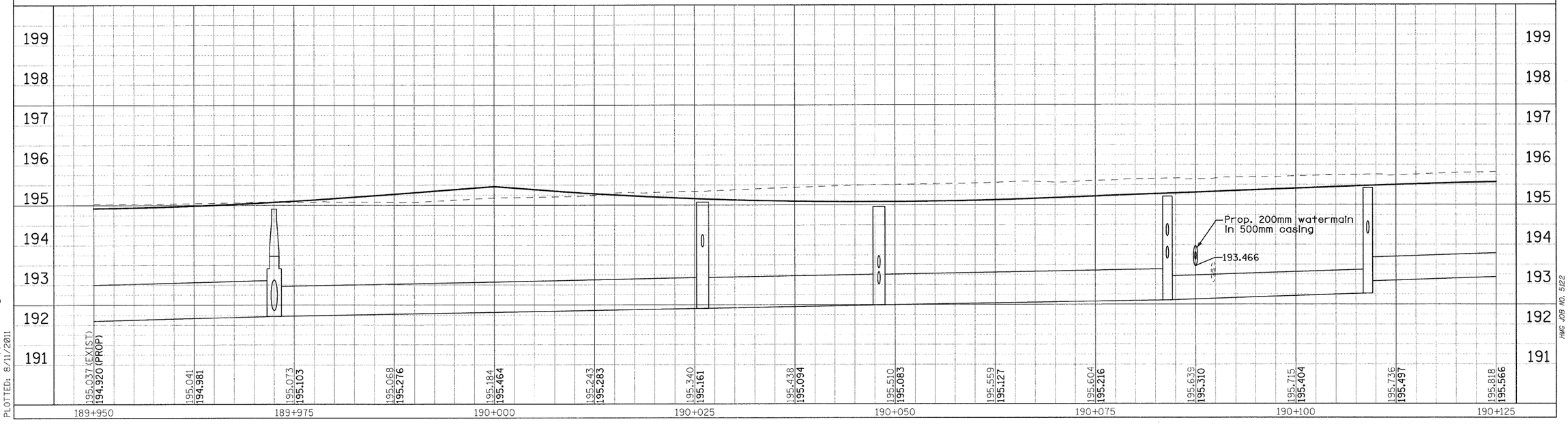
PLOTTED: 8/22/2011

HMG JOB NO. 5122

CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	473
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		





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PLOTTED: 8/11/2011

HMG JOB NO. 5122

CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	474
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

The Contractor shall confirm depths and locations of existing utilities and services prior to the start of construction.

San MH #8
R 200.529
I 197.135 200mm W
I 197.135 200mm E
I 197.165 200mm SE

San MH #5
R 200.593
I 197.661 200mm W
I 197.691 200mm N
I 197.691 200mm S

San MH #7
R 200.702
I 197.210 200mm NW
I 197.240 200mm E
I 197.757 150mm S

See Sheet 439 for continuation of sanitary sewer

MAIN ST.

PROPOSED ℄ FAP 326 (IL 47)

PIPE DEC

C*1-25.9m 500mm casing pipe

MH to be filled

1+100

1+050

ELIZABETH ST.

1+000

1+950

P*6-42.1m 200mm PVC SDR21 @ 1.00%

Bot. of Storm=198.640
Top of Casing=197.702
Clearance=0.938m

Construct temporary inverted siphon to allow construction of casing pipe

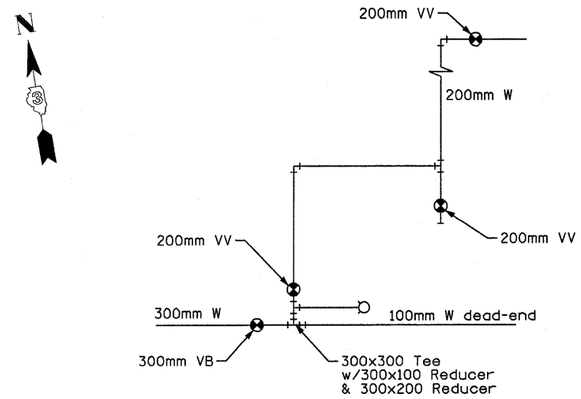
P*7-4.5m 200mm PVC SDR21 @ 1.00%

ABANDONED

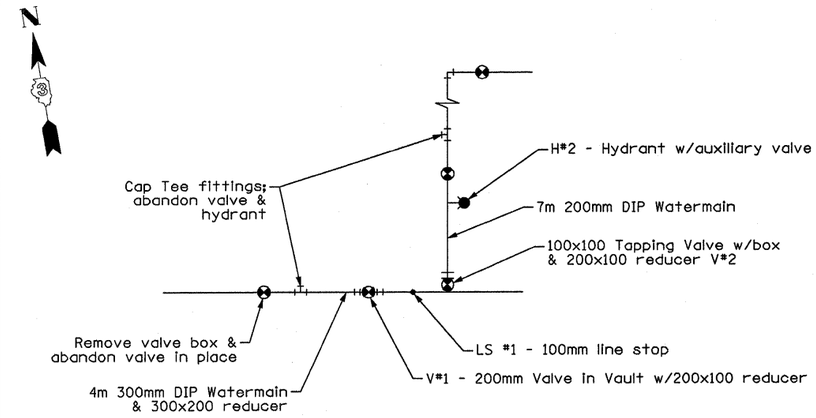
See detail this sheet for watermain improvements

FLAG POLE

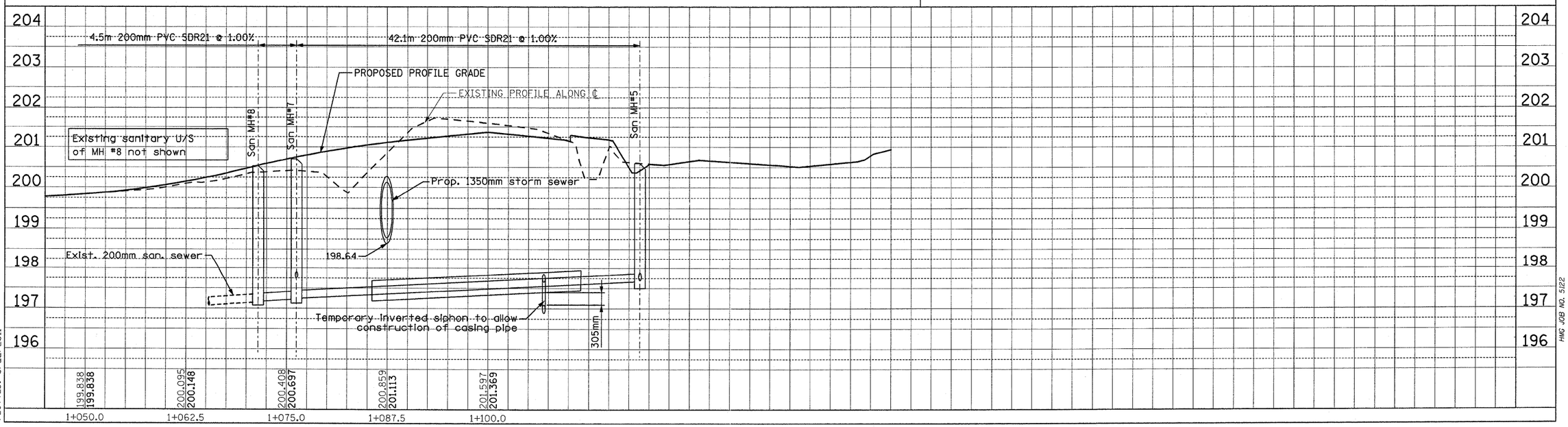
SCALE IN METERS
0 5 10 15



Existing



Proposed

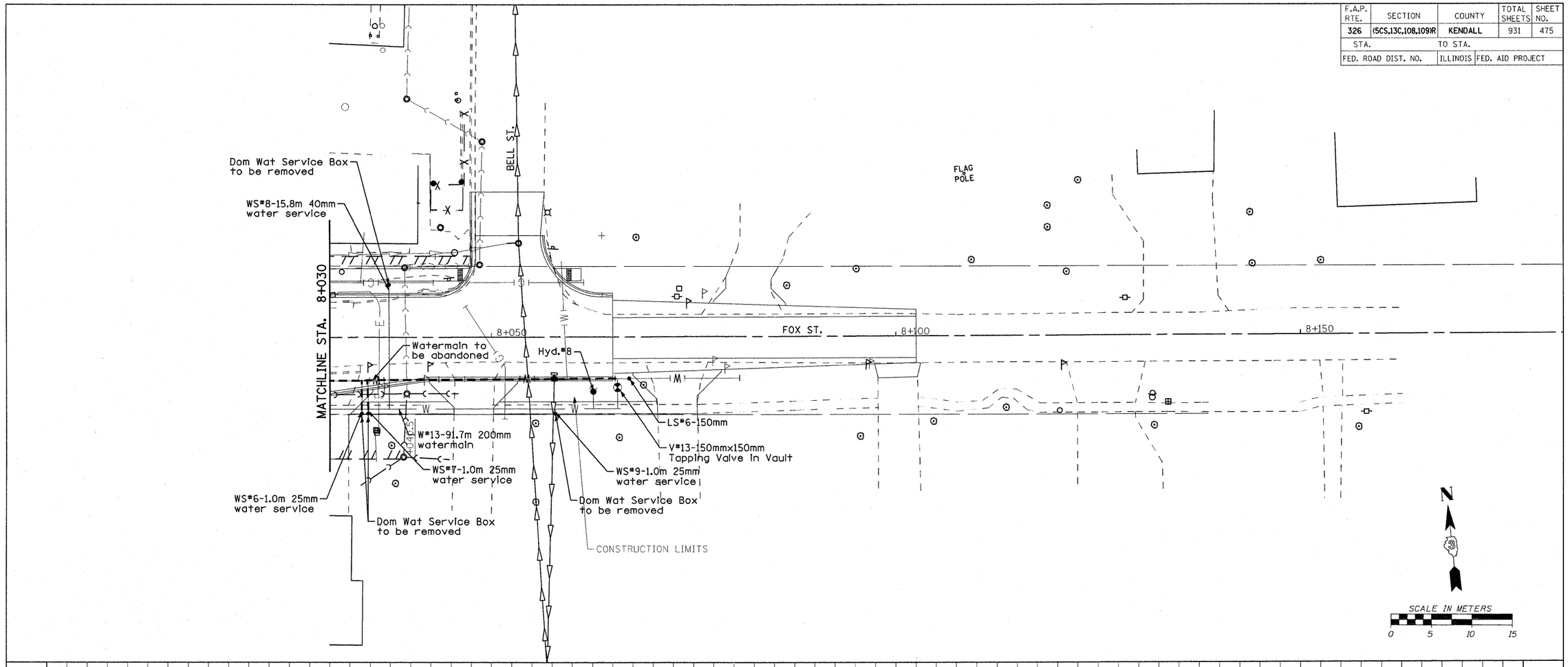


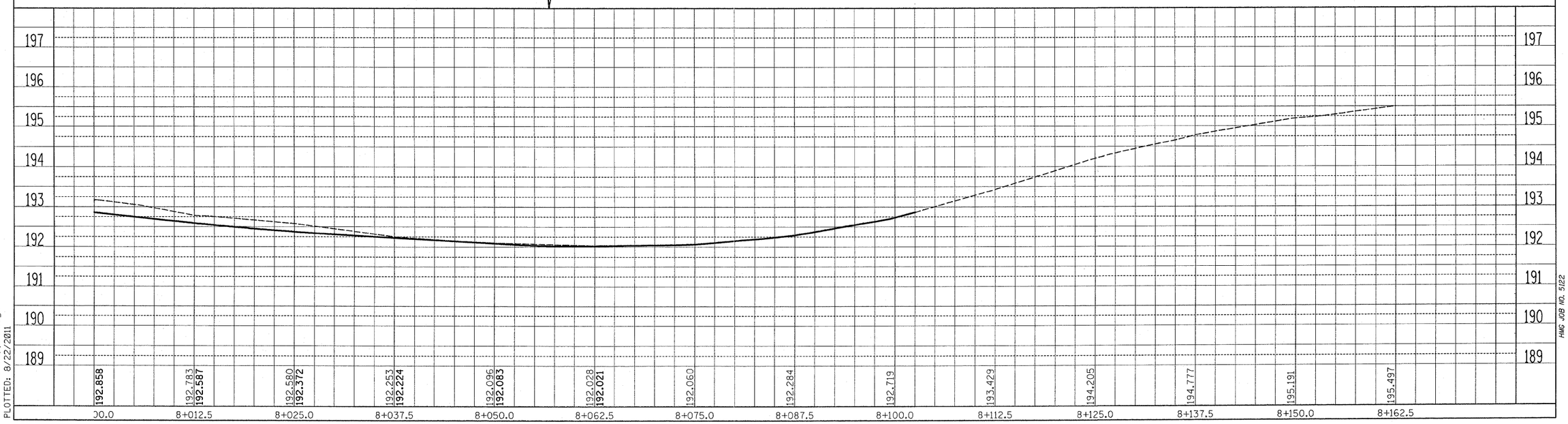
FILE: 474W&SppElizabeth.dgn
PLOTTED: 8/22/2011

HMG JOB NO. 5122

CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	475
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



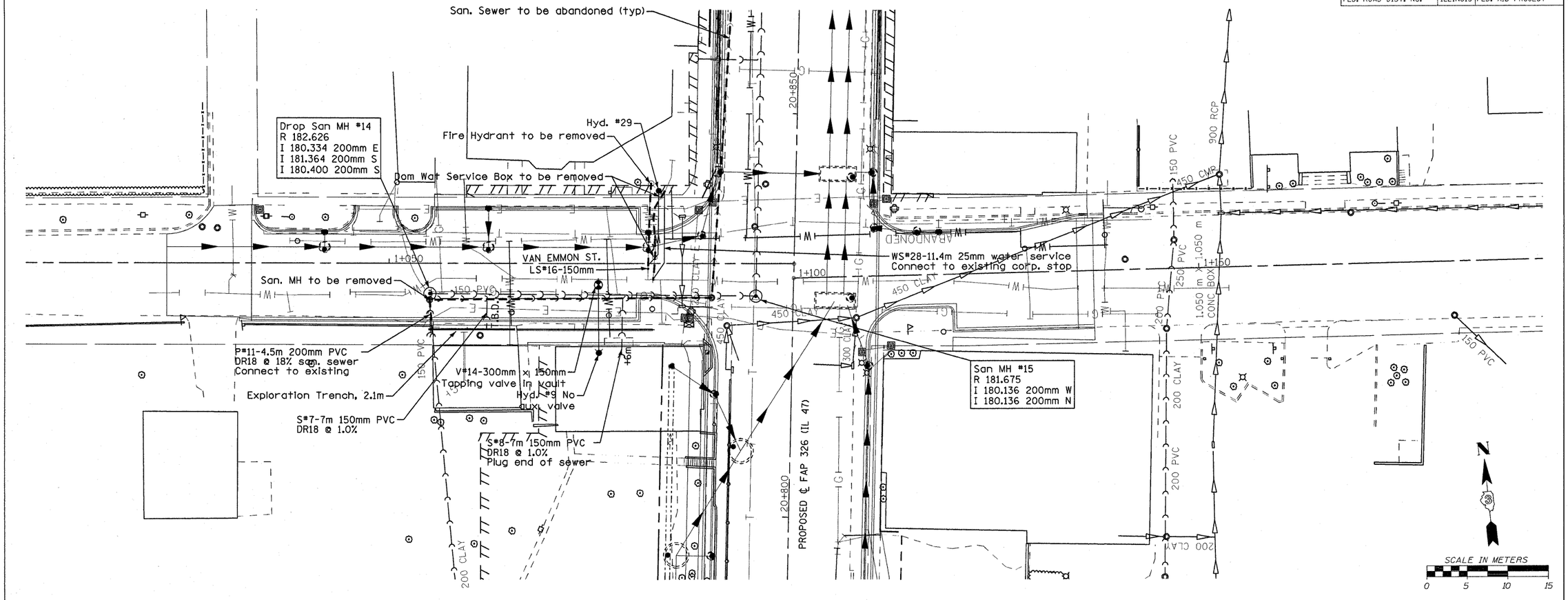


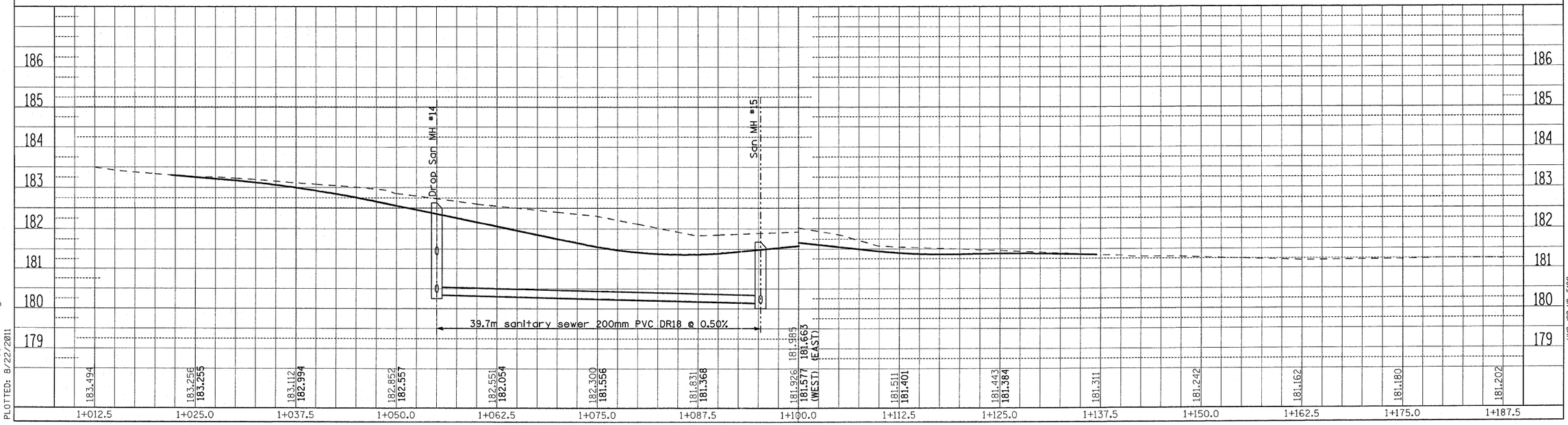
FILE: 475W&SppFox.dgn
PLOTTED: 8/22/2011

HMG JOB NO. 5122

CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	476
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	





FILE: 476W&SppVanE_1.dgn
PLOTTED: 8/22/2011

HMG JOB NO. 5122

CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	477
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

City to provide watermain shutdown on W. Main St.

Bottom of casing=189.450
Top of storm sewer=188.281
Clearance=1.169m

W*17-107.6m 200mm watermain

V*18-200mm Gate Valve in Vault

Hyd.*11

C*10-27.5m 500mm steel casing pipe

Bottom of watermain=189.395
Top of exist. casing=188.297
Clearance=1.098m

1+050

MAIN ST. N.

Dom Water Service Box to be removed

V*17-200mm Tapping Valve in Vault

WS*10-1.6m 25mm water service

W*15-13.6m 200mm watermain

V*16-200mm Gate Valve in Vault

W*14-144.8m 200mm watermain

300 RCP

21+350

PROPOSED ℄ FAP 326 (IL 47)

Don Water Service Box to be removed

WS*11-1.3m 25mm water service

WS*12-1.3m 25mm water service

PIPE

W*16-61.7m 200mm watermain

Hyd.*12

Watermain to be abandoned (typ)

Hydrant to be removed

LS*7-200mm

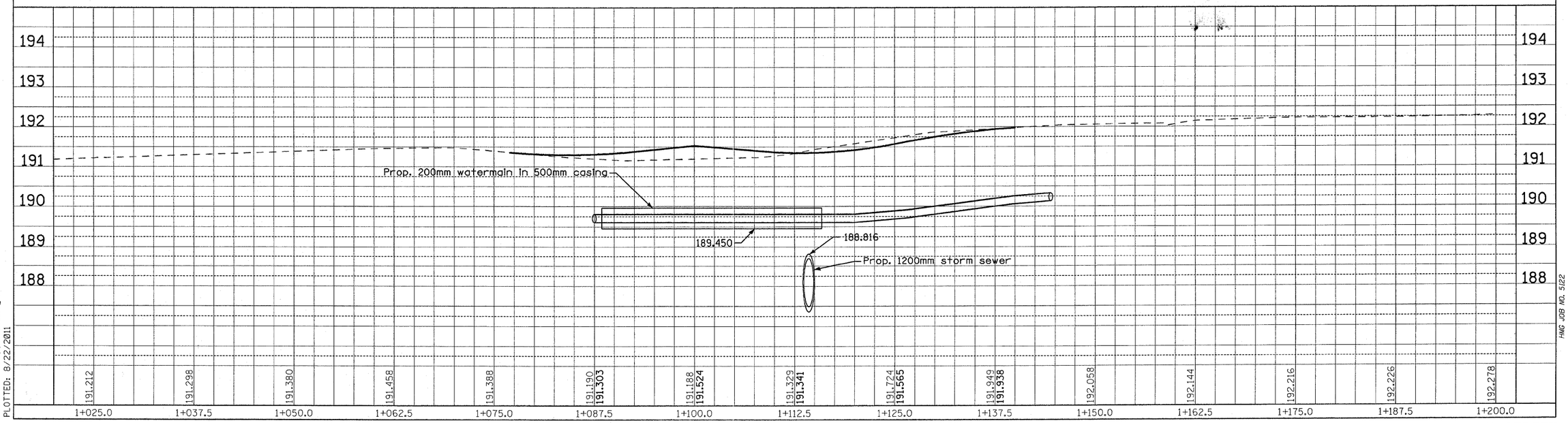
V*19-200mmX200mm Tapping Valve in Vault

1+150

Dom Water Service Box to be removed

N

SCALE IN METERS
0 5 10 15



FILE: 477W&SppMain_1.dgn
PLOTTED: 8/22/2011

HMG JOB NO. 5122

HMG ENGINEERS, INC., 1075 LAKE RD., P.O. BOX 70, CARLYLE, ILLINOIS 62231 (618)-594-3711 WWW.HMGENGINEERS.COM

WATER & SEWER RELOCATIONS - MAIN STREET

CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	478
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

Fire Hydrant to be removed

Dom Wat Service Box to be removed

V*24-150mmX150mm Tapping Valve In Vault

PROPOSED ℄ FAP 326 (IL 47)

PROP ROW

Valve Box to be removed

V*25-150mmX150mm Tapping Valve In Vault

SPRING ST.

NAT150

200 CLAY

C*12-26.4m 500mm casing pipe

W*25-10.6m 150mm watermain

WS*15-1.6m 25mm water service

W*24-35.2m 200mm watermain

V*23-200mm Gate Valve In Vault

W*19-94.4m 200mm watermain

City to provide watermain shutdown west of Rt.47.

W*23-10.8m 200mm watermain

Hyd.*16

Dom Wat Service Box to be removed

W*22-47.8m 200mm watermain

Bottom of storm sewer=187.579
Top of casing=187.274
Clearance=0.305m

City to provide watermain shutdown east of Rt.47.

Watermain to be abandoned (typ)

375 PVC

300 RCP

250 PVC

375 RCP

500 RCP

800 RCP

800 PVC

150 CLAY

200 CLAY

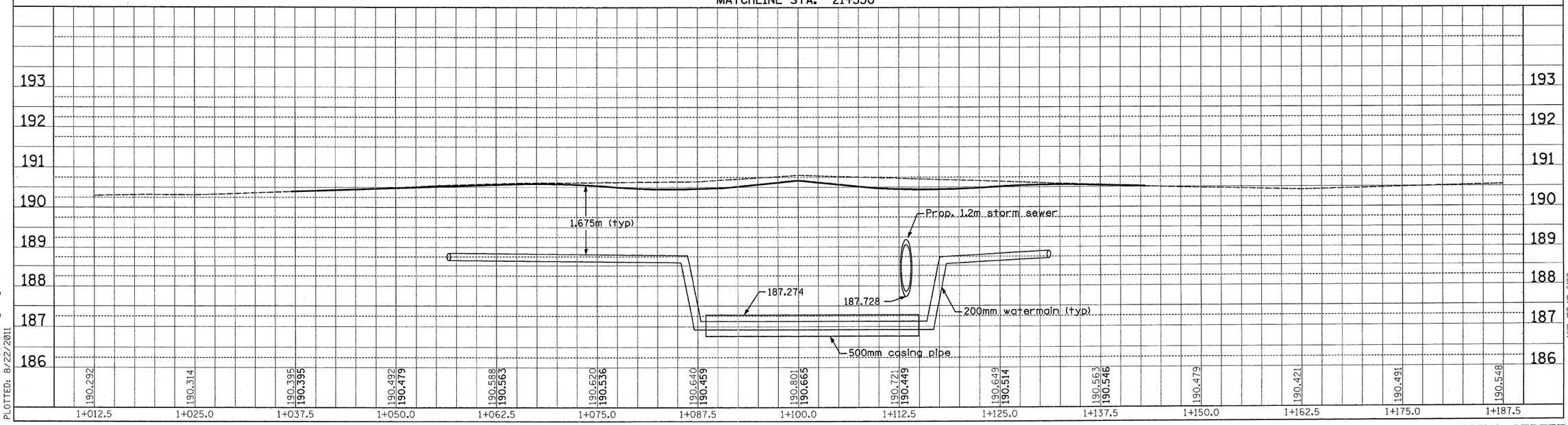
1+600

1+150

21+550

MATCHLINE STA. 21+550

SCALE IN METERS
0 5 10 15



FILE: 478W&SppSpring_1.dgn
PLOTTED: 8/22/2011

HMG JOB NO. 5122

HMG ENGINEERS, INC., 1075 LAKE RD., P.O. BOX 70, CARLYLE, ILLINOIS 62231 (618)-594-3711 WWW.HMGENGINEERS.COM

WATER & SEWER RELOCATIONS - SPRING STREET

CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	479
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

San MH#23
R-191.136
I-186.995 250mm NE
I-186.971 250mm W

P#18-1.6m 250mm PVC SDR21 @ 0.40%

San MH#24
R-191.144
I-187.007 250mm E
I-187.007 250mm W
I-187.001 250mm SW

Dom Wat Service Box to be removed

WS#25-17.9m 25mm water service

San sewer to be abandoned

Bottom of storm sewer=188.151
Top of casing=187.316
Clearance=0.835m

P#19-58.4m 250mm PVC SDR21 @ 0.40%

SOMONAUK ST.

1+000

1+050

1+100

V#27-200mmX200mm Tapping Valve in Vault

MH to be filled

C#4-29.7m 550mm casing pipe

Watermain to be abandoned (typ)

Valve Box to be removed

LS#9-200mm

Hyd.#17

Dom Water Service Box to be removed

WS#26-3.5m 25mm water service

Fire Hydrant to be removed

W#26-81.6m 200mm watermain

C#13-41.1m 500mm casing pipe

Bottom of storm sewer=188.185
Top of casing=187.880
Clearance=0.305m

1+650

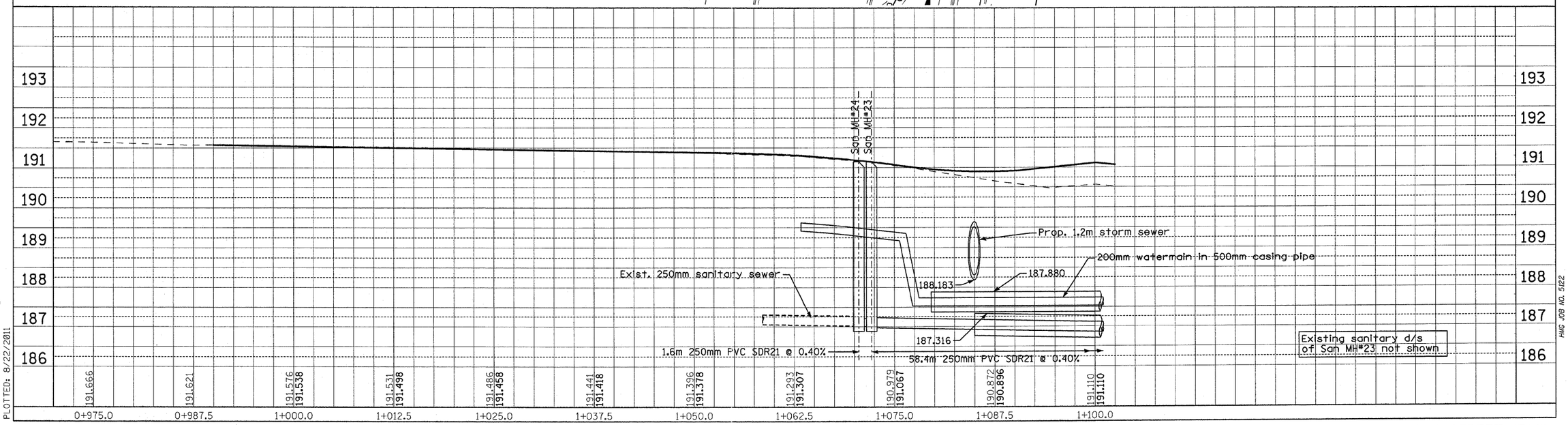
1+700

PROPOSED ℄ FAP 326 (IL 47)

See Sheet 463 for continuation of water & sanitary relocation

N

SCALE IN METERS
0 5 10 15

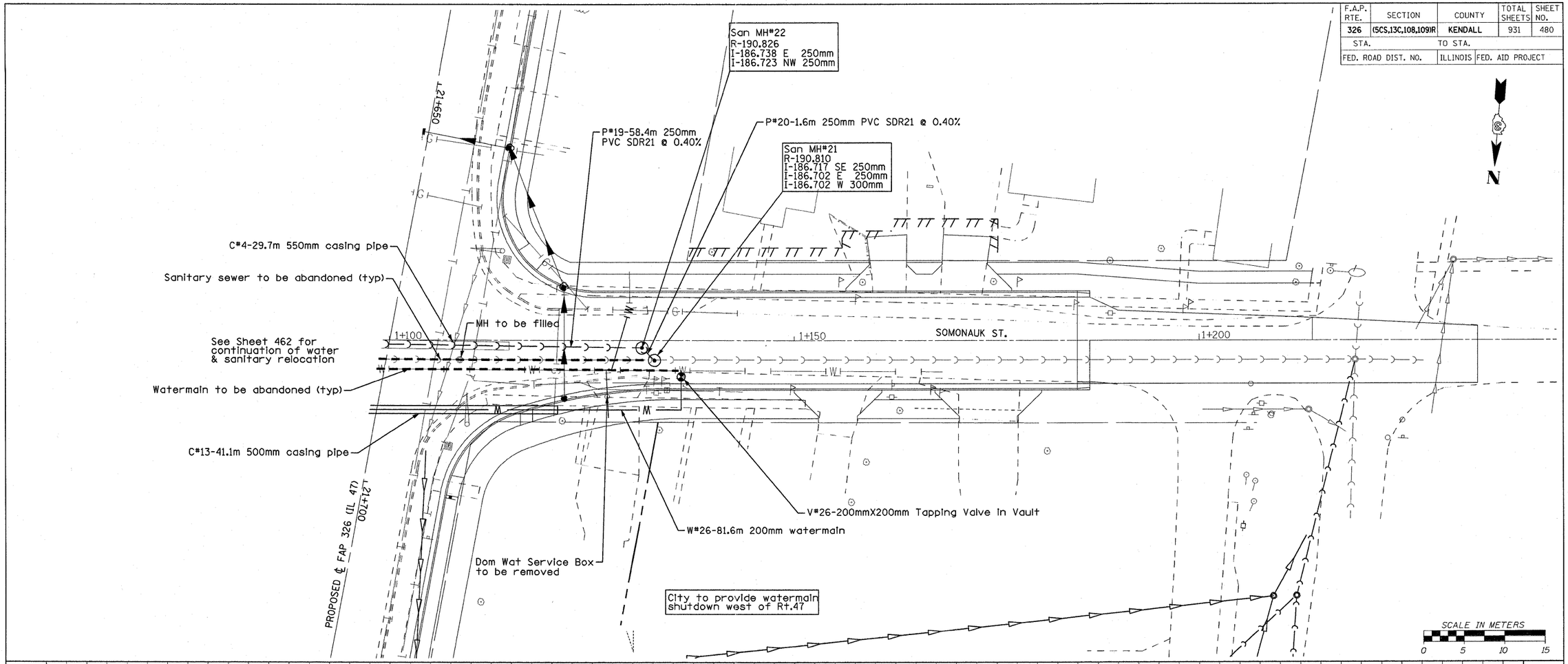


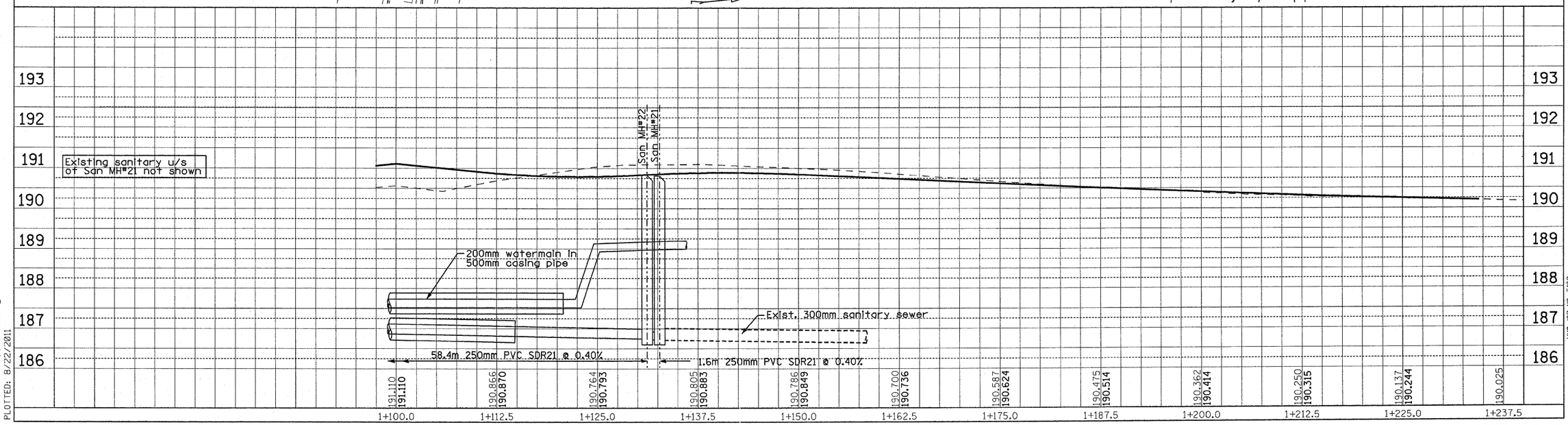
FILE: 479W&SppSomo_1.dgn
PLOTTED: 8/22/2011

HMG JOB NO. 5122

CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	480
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	





FILE: 480W&SppSomo_2.dgn
PLOTTED: 8/22/2011

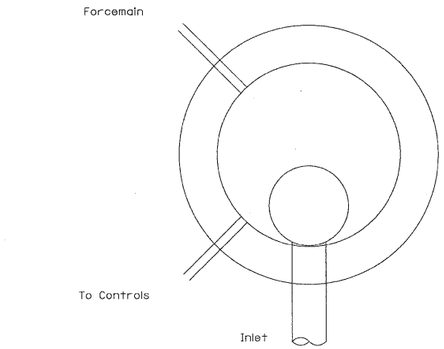
HMG JOB NO. 5122

HMG ENGINEERS, INC., 1075 LAKE RD., P.O. BOX 70, CARLYLE, ILLINOIS 62231 (618)-594-3711 WWW.HMGENGINEERS.COM

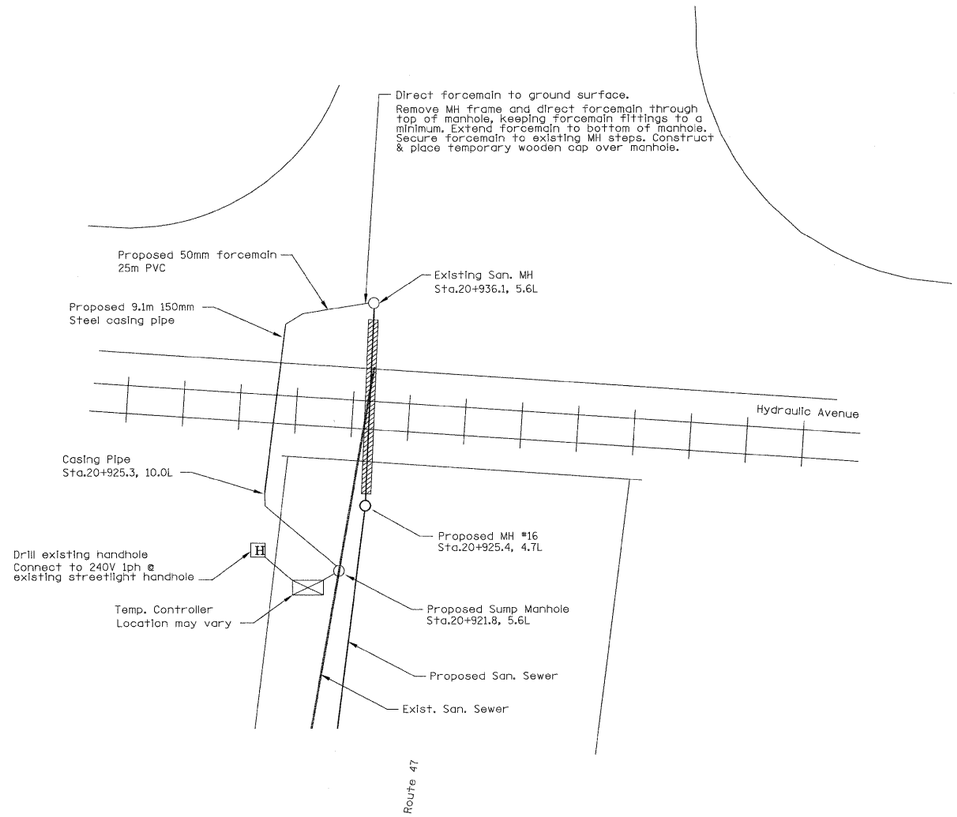
WATER & SEWER RELOCATIONS - SOMONAUK STREET (WEST)

CONTRACT NO. 66671

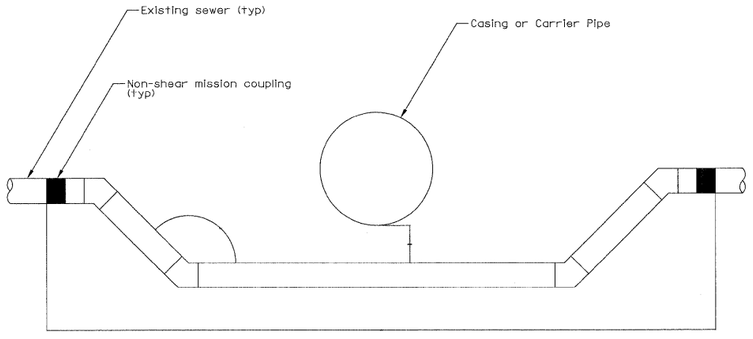
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	481
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



Bypass Pumping - Detail 2



Bypass Pumping - Detail 1



Notes: 1) Siphon pipe & fittings to be constructed of PVC-SDR26 of the same diameter as existing sewer.

2) Lower part of siphon to be of one piece, centered on casing or carrier pipe.

Temporary Siphon

Contractor to construct temporary sump MH over existing sanitary sewer south of RR tracks, jack 9.1m of 150mm casing pipe across tracks, and set up bypass pumping prior to construction of new sanitary sewer. Casing to be re-used for streetlight conduit.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SANITARY SEWER
TEMPORARY BYPASS
DETAILS

DRAWN BY

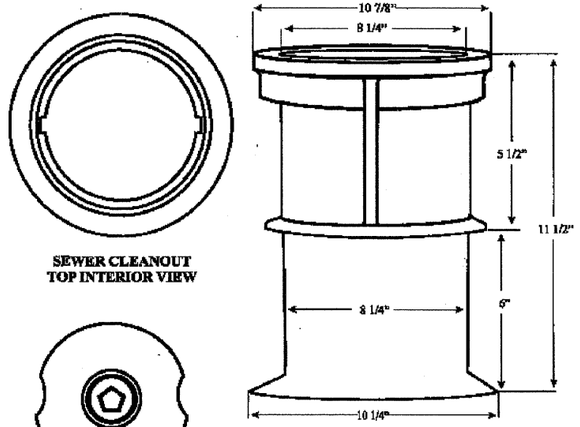
DATE CHECKED BY

HMG JOB NO. 5122

FILE: 481-485W&S details.dgn
PLOTTED: 8/11/2011

CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	482
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



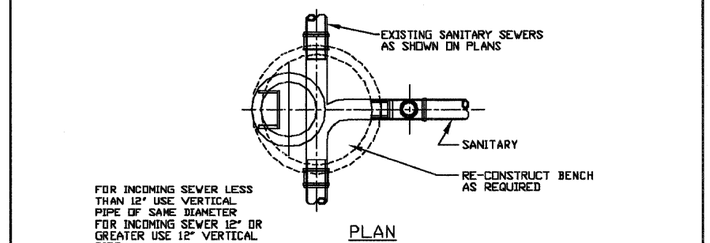
Locking SEWER Cleanout

Casting conforms to:
ASTM specification A-48 Class 30

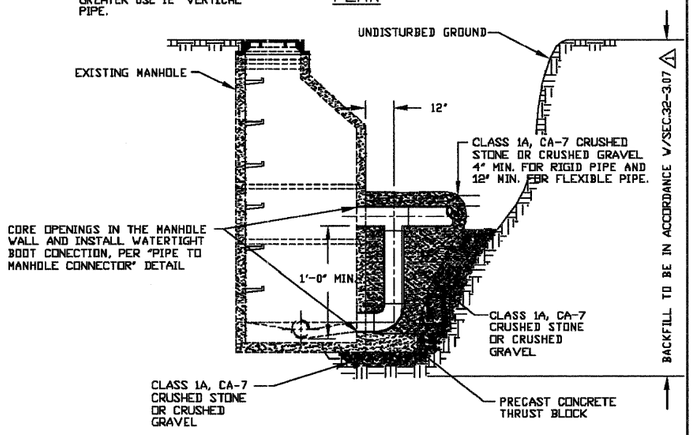
ABS shaft conforms to:
ASTM specification D-1788

CAST IRON CLEANOUT COVERS SHALL BE AS MANUFACTURED BY VALVCO, INC. OR APPROVED EQUAL.

YORKVILLE–BRISTOL SANITARY DISTRICT	CAST IRON CLEANOUT COVER		
	DESIGNED JWF	APPROVED PFM	SCALE NTS
	DRAWN	DATE 10/9/06	STD-012



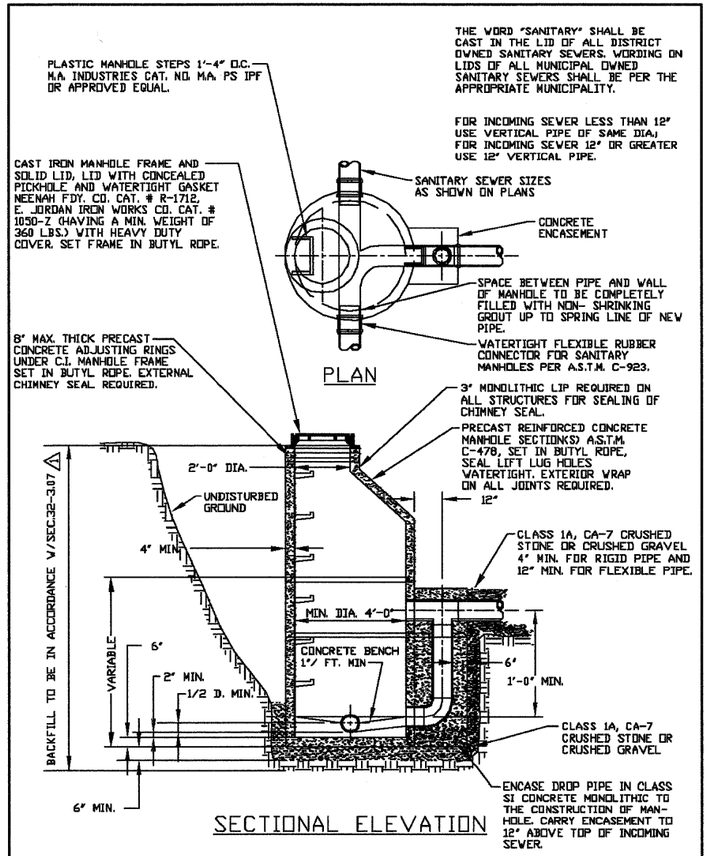
PLAN



SECTIONAL ELEVATION

1 REFERENCE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS (FIFTH EDITION)

YORKVILLE–BRISTOL SANITARY DISTRICT	DROP CONNECTION TO EXISTING MANHOLE		
	DESIGNED JWF	APPROVED PFM	SCALE NTS
	DRAWN	DATE 10/9/06	STD-008



PLAN

SECTIONAL ELEVATION

1 REFERENCE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS (FIFTH EDITION)

BENCH SHALL BE CONSTRUCTED OF CLASS SI CONCRETE

YORKVILLE–BRISTOL SANITARY DISTRICT	DROP MANHOLE/ NEW CONSTRUCTION		
	DESIGNED JWF	APPROVED PFM	SCALE NTS
	DRAWN	DATE 10/9/06	STD-007

Note:

1. These details have been provided by the Yorkville-Bristol Sanitary District (note dimensions are english units). A copy of the Yorkville-Bristol Sanitary District specifications, which are to be used for construction of the sanitary sewer work are included in the Special Provisions.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

WATER AND SANITARY SEWER DETAILS

DRAWN BY

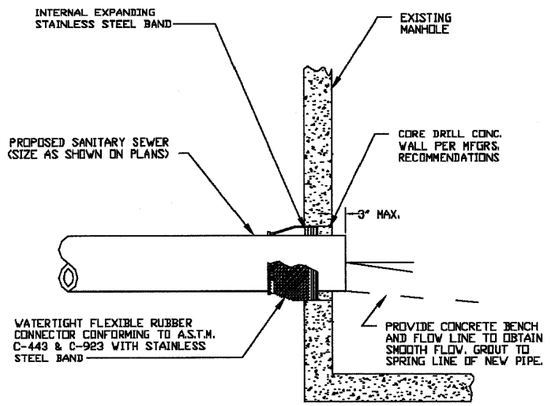
DATE CHECKED BY

HMG JOB NO. 5122

FILE: 481-485W&S details.dgn
PLOTTED: 8/11/2011

CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	483
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



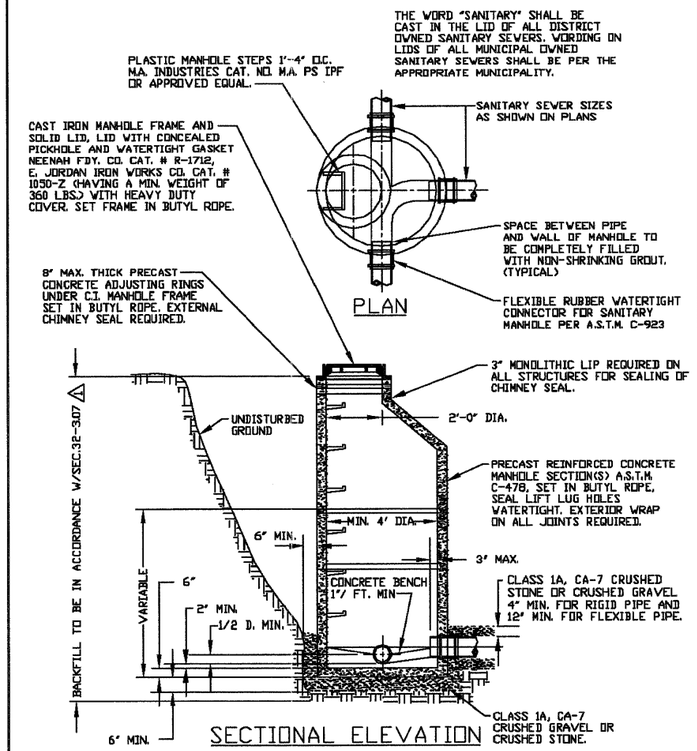
NOTE:

80% FLOW LINE OF PROPOSED SANITARY SEWER CONNECTION SHALL MATCH 80% FLOW LINE OF EXISTING SANITARY SEWER MAIN.

YORKVILLE–BRISTOL SANITARY DISTRICT

PIPE TO MANHOLE CONNECTOR

DESIGNED JWF	APPROVED PFM	SCALE NTS
DRAWN	DATE 10/9/06	STD-004



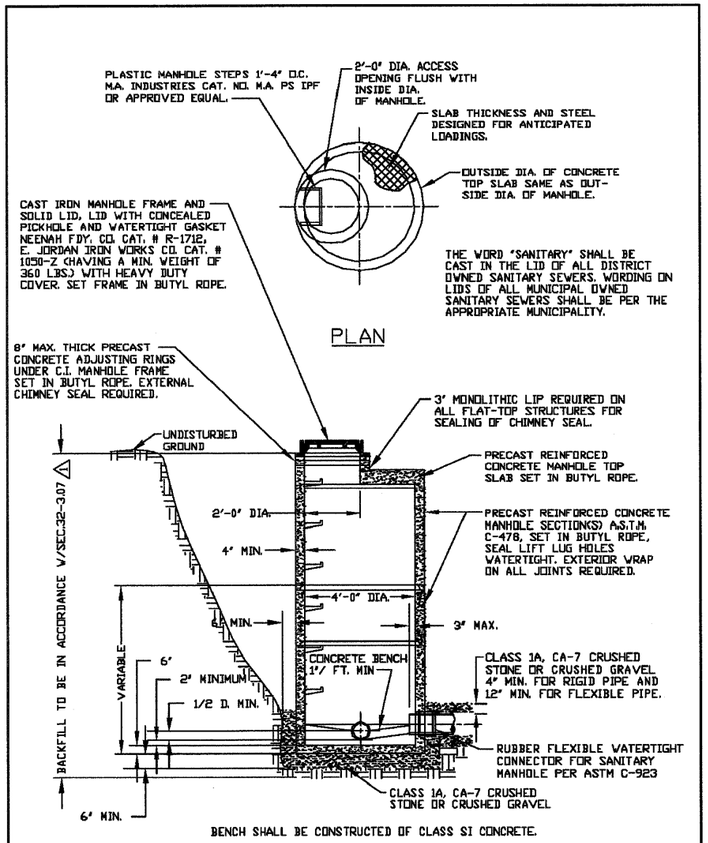
BENCH SHALL BE CONSTRUCTED OF CLASS SI CONCRETE.

1 REFERENCE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS (FIFTH EDITION)

YORKVILLE–BRISTOL SANITARY DISTRICT

TYPE "A" MANHOLE

DESIGNED JWF	APPROVED PFM	SCALE NTS
DRAWN	DATE 10/9/06	STD-005



BENCH SHALL BE CONSTRUCTED OF CLASS SI CONCRETE.

1 REFERENCE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS (FIFTH EDITION)

YORKVILLE–BRISTOL SANITARY DISTRICT

TYPE "B" MANHOLE

DESIGNED JWF	APPROVED PFM	SCALE NTS
DRAWN	DATE 10/9/06	STD-006

Note:

1. These details have been provided by the Yorkville-Bristol Sanitary District (note dimensions are english units). A copy of the Yorkville-Bristol Sanitary District specifications, which are to be used for construction of the sanitary sewer work are included in the Special Provisions.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

WATER AND SANITARY SEWER DETAILS

DRAWN BY

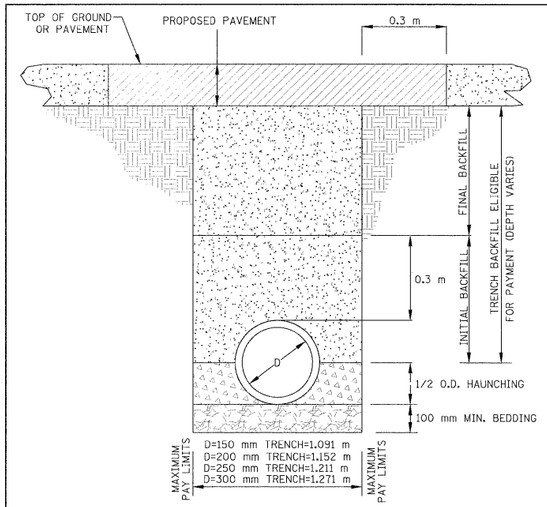
DATE CHECKED BY

HMG JOB NO. 5122

FILE: 481-485W&S details.dgn
PLOTTED: 8/11/2011

CONTRACT NO. 66671

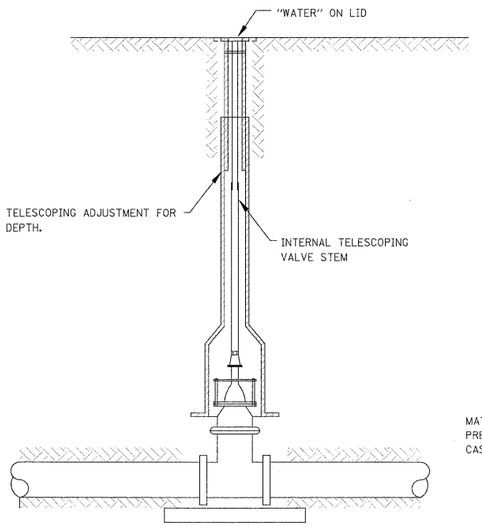
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	484
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



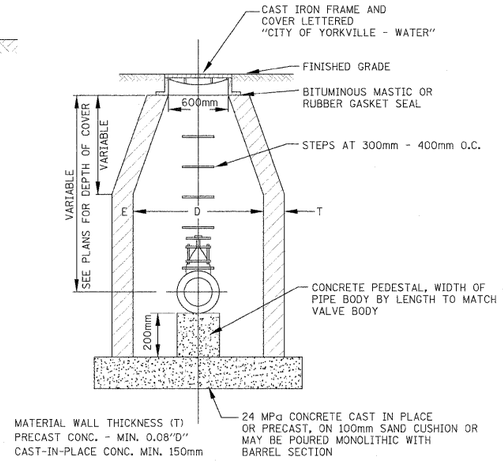
NOTES:

1. BEDDING AND HAUNCHING ARE REQUIRED FOR ALL SANITARY SEWER AND WATERMAIN. BEDDING AND HAUNCHING INCLUDED IN COST OF PIPE.
2. MAXIMUM TRENCH WIDTHS ARE LISTED FOR PAYMENT PURPOSES. MAX PAY LIMITS DECREASE BY 0.3 m IF SHORING IS NOT USED.
3. INITIAL BACKFILL TO 0.3 m ABOVE TOP OF PIPE REQUIRED FOR ALL SANITARY SEWER AND WATERMAIN.
4. FINAL BACKFILL TO BE CA-7 REQUIRED IN ALL LOCATIONS WHERE THE EDGE OF THE SANITARY SEWER OR WATERMAIN TRENCH IS LOCATED WITHIN 0.6 m OF A PERMANENT SURFACE EXCEPT TOP 0.3 m TO BE CA-6.
5. TYPICAL DEPTH OF COVER FOR WATERMAIN AND WATER SERVICE SHALL BE 1.67 m FROM FINISHED GRADE. REFER TO PLANS FOR LOCATIONS WHERE DEPTH OF COVER VARIES.

TRENCH DETAIL

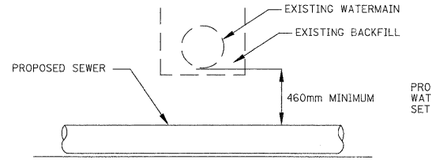


TYPICAL VALVE BOX INSTALLATION



NOTE: VALVE VAULT DIA. SHALL BE 1.2m FOR 200mm AND SMALLER VALVES AND 1.5m FOR 250mm AND LARGER VALVES. D= DIAMETER OF MANHOLE

TYPICAL VALVE VAULT DETAIL



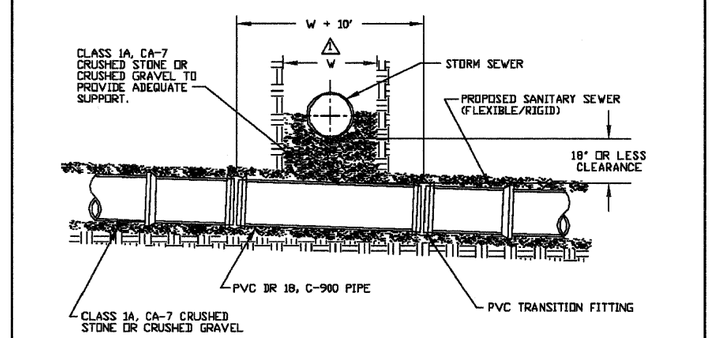
PROPOSED SEWER LINE BELOW EXISTING WATERMAIN WITH 460mm MINIMUM VERTICAL SEPARATION.

GUIDELINES

PROVIDE ADEQUATE SUPPORT FOR EXISTING WATERMAIN TO PREVENT DAMAGE DUE TO SETTLEMENT OF SEWER TRENCH.

WATER AND SEWER SEPARATION REQUIREMENTS

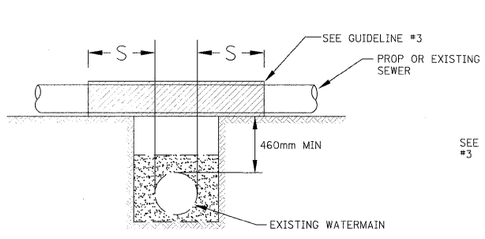
(VERTICAL SEPARATION)



SECTION ELEVATION

NOTE: PVC DR 18, C-900 PIPE SHALL BE REQUIRED WHEN THE BOTTOM OF THE STORM SEWER IS WITHIN 18" OF THE TOP OF THE SANITARY SEWER. UNDER NO CIRCUMSTANCES SHALL THE STORM SEWER BE SUPPORTED BY THE SANITARY LINE

⚠1 REFERENCE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS (FIFTH EDITION)



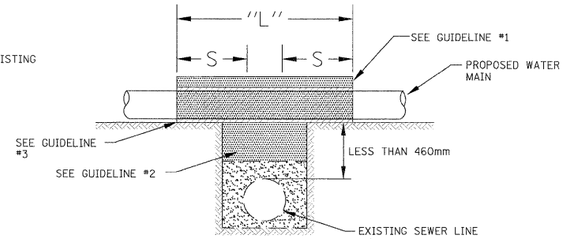
NOTE: "S" IS THE LENGTH NECESSARY TO TO PROVIDE 10 FEET OF SEPARATION AS MEASURED PERPENDICULAR TO THE PROPOSED STORM SEWER LINE.

GUIDELINES

1. IF SELECT GRANULAR BACKFILL EXISTS: REMOVE WITHIN WIDTH OF PROPOSED SEWER TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT
2. OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO 300 mm OVER TOP OF SEWER AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT THE LENGTH OF "L" METERS.
3. A) CONSTRUCT "L" METERS OF PROPOSED SEWER OF WATER MAIN MATERIAL AND PRESSURE TEST, OR;

   B) USE "L" METERS OF WATER MAIN MATERIAL FOR CASING OF PROPOSED SEWER AND SEAL ENDS OF CASING.

SEWER OVER EXISTING WATER CROSSING

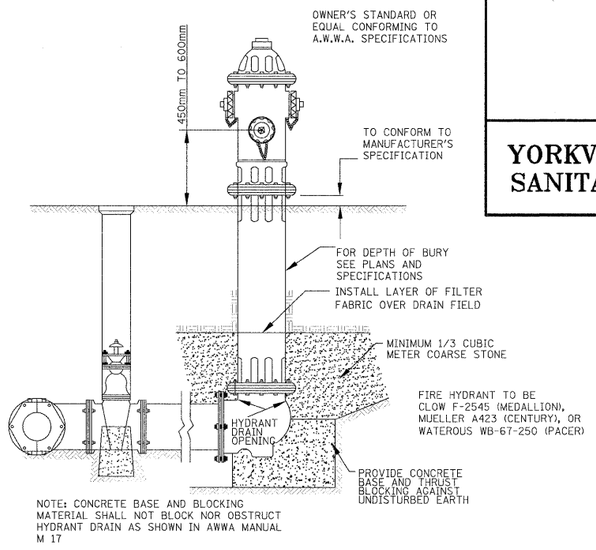


NOTE: "S" IS THE LENGTH NECESSARY TO TO PROVIDE 3.1 METERS OF SEPARATION AS MEASURED PERPENDICULAR TO THE PROPOSED STORM SEWER LINE.

GUIDELINES

1. OMIT SELECT GRANULAR EMBBEDMENT AND GRANULAR BACKFILL TO 300mm OVER TOP OF WATERMAIN AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT THE LENGTH OF "L".
2. IF SELECT GRANULAR BACKFILL EXISTS, REMOVE WITHIN WIDTH OF EXISTING SEWER LINE TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT.
3. USE "L" METERS OF WATERMAIN MATERIAL FOR CASING OF PROPOSED WATERMAIN AND SEAL ENDS OF CASING.
4. POINT LOADS SHALL NOT BE ALLOWED BETWEEN WATERMAIN CASING AND SEWER

PROPOSED WATERMAIN CROSSING ABOVE EXISTING SEWER WITH LESS THAN 460mm SEPARATION



NOTE: CONCRETE BASE AND BLOCKING MATERIAL SHALL NOT BLOCK NOR OBSTRUCT HYDRANT DRAIN AS SHOWN IN AWWA MANUAL M 17

TYPICAL HYDRANT INSTALLATION

YORKVILLE–BRISTOL SANITARY DISTRICT	SANITARY SEWER AT STORM SEWER CROSSING		
	DESIGNED JWF	APPROVED PFN	SCALE NTS
	DRAWN	DATE 10/9/08	STD-009

Note:

1. These details have been provided by the Yorkville-Bristol Sanitary District (note dimensions are english units). A copy of the Yorkville-Bristol Sanitary District specifications, which are to be used for construction of the sanitary sewer work are included in the Special Provisions.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

WATER AND SANITARY SEWER DETAILS

DRAWN BY

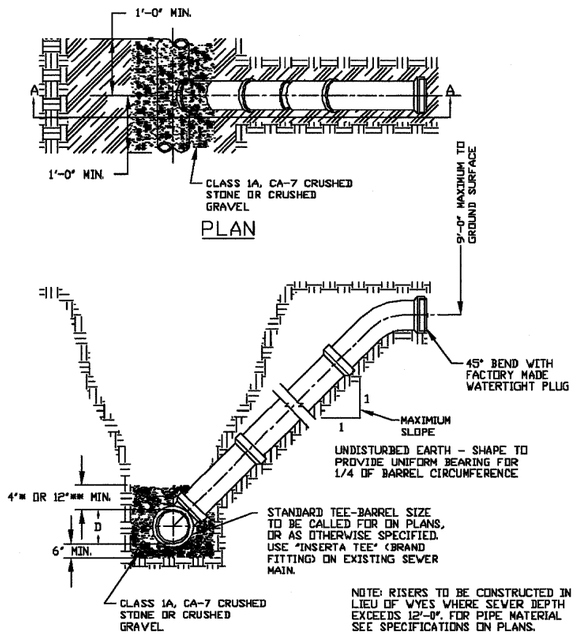
DATE CHECKED BY

HMG JOB NO. 5122

FILE: 481-485W&S details.dgn
PLOTTED: 8/11/2011

CONTRACT NO. 66671

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(5CS,13C,108,109)R	KENDALL	931	485
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



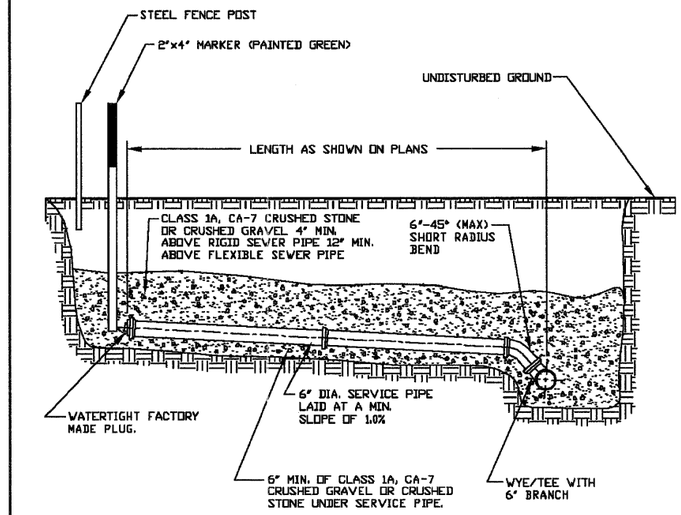
* ALL RIGID PIPE INSTALLATION

** ALL FLEXIBLE PIPE INSTALLATION

YORKVILLE-BRISTOL SANITARY DISTRICT

TYPICAL RISER FOR SERVICE LATERAL

DESIGNED JWF	APPROVED PFM	SCALE NTS
DRAWN	DATE 10/9/06	STD-003



NOTE: SELECT GRANULAR BACKFILL REQUIRED UNDER PAVED AREAS BACKFILL TO BE APPORVED BY APPROPRIATE MUNICIPALITY.

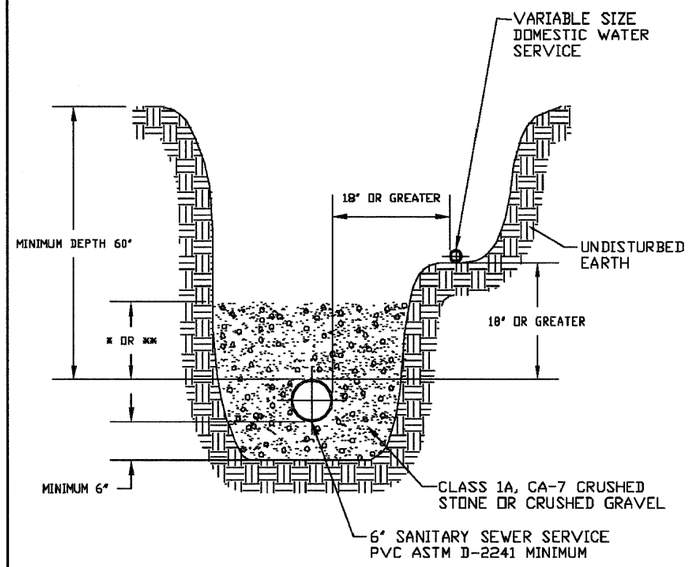
SECTIONAL ELEVATION

YORKVILLE-BRISTOL SANITARY DISTRICT

SERVICE CONNECTION

DESIGNED JWF	APPROVED PFM	SCALE NTS
DRAWN	DATE 10/9/06	STD-002

REQUIRED WHEN A SEPARATE TRENCH OR A 10' MINIMUM SEPARATION IS NOT POSSIBLE



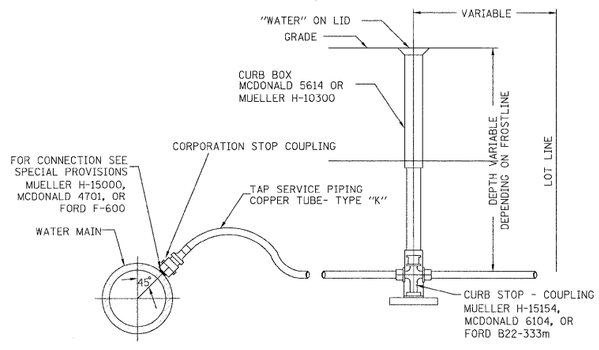
* 4' MIN. FOR RIGID PIPE INSTALLATION

** 12" MIN. FOR FLEXIBLE PIPE INSTALLATION

YORKVILLE-BRISTOL SANITARY DISTRICT

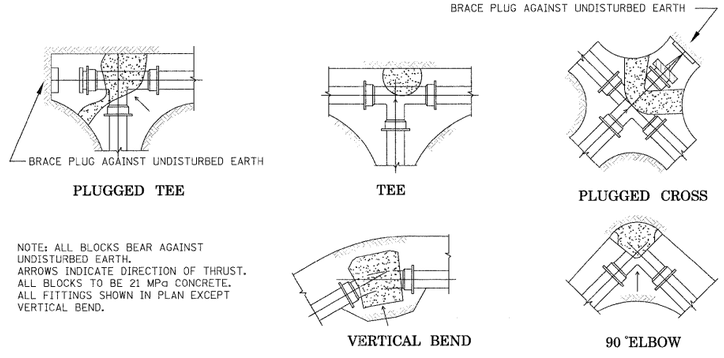
SANITARY SEWER SERVICE & POTABLE WATER SERVICE SEPARATION

DESIGNED JWF	APPROVED PFM	SCALE NTS
DRAWN	DATE 10/9/06	STD-010



TYPICAL TAP SERVICE PIPING (COPPER)

MINIMUM DEPTH OF BURY TO BE 1.5 METERS



TYPICAL THRUST BLOCK INSTALLATIONS

Note:

1. These details have been provided by the Yorkville-Bristol Sanitary District (note dimensions are english units). A copy of the Yorkville-Bristol Sanitary District specifications, which are to be used for construction of the sanitary sewer work are included in the Special Provisions.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

WATER AND SANITARY SEWER DETAILS

DRAWN BY

DATE CHECKED BY

HMG JOB NO. 5122

FILE: 481-485W&S details.dgn
PLOTTED: 8/11/2011

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	•	KENDALL	931	486

• (5CS, 13C, 108, 109)R

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
RIGHT OF WAY PLANS
FOR PROPOSED
FEDERAL AID HIGHWAY

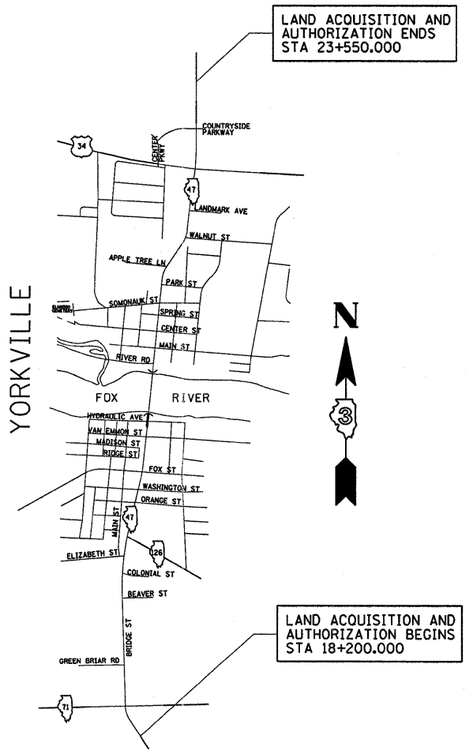
FAP 326 (IL 47)
SECTION (5CS, 13C, 108, 109)R
KENDALL COUNTY
JOB NO. R-93-014-94

LEGEND

——— - - ———	PROPOSED RIGHT OF WAY LINE
⊓⊓⊓⊓⊓⊓⊓⊓	PROPOSED TEMPORARY EASEMENT
——— ———	EXISTING RIGHT OF WAY LINE
——— - ——— - ———	CENTERLINE
LL	PLATTED LOT LINES
PL	PROPERTY LINE
APL	APPARENT PROPERTY LINE
——— - - - ———	SECTION LINE
129.324	MEASURED DIMENSION
129.324 (COMP)	COMPUTED DIMENSION
(129.324)	RECORDED DIMENSION
+	CUT CROSS FOUND OR SET
●	IRON PIPE OR IRON ROD FOUND
⊠	EXISTING ROW MARKER

SHEET NO.	STATION TO STATION	PARCEL NUMBER
1	COVER SHEET	———
2	18+100 - 18+275	3KC0001*, 002*, 003*, 145*
3	18+275 - 18+450	———
4	18+450 - 18+625	3KC0004, 005, 007
5	18+625 - 18+800	3KC0006,
6	18+800 - 18+975	3KC0009, 010, 012
7	18+975 - 19+150	
8	19+150 - 19+325	3KC0014
9	19+325 - 19+500	3KC0015, 016, 146, 147, 148
10	19+500 - 19+675	3KC0017, 018, 149, 150
11	19+675 - 19+850	3KC0019, 020, 021, 022, 023, 024
12	19+850 - 20+025	3KC0025, 026, 027, 028
13	20+025 - 20+200	3KC0030, 032, 134, 151
13 A	IL 126	3KC0037
14	20+200 - 20+375	3KC0033, 034, 035, 036, 038, 039, 040, 141
15	20+375 - 20+550	3KC0041, 042, 043, 044, 045, 046, 047, 048
16	20+550 - 20+725	3KC0049, 050, 051, 052, 053
16 A	FOX STREET	3KC0008, 011, 013,
17	20+725 - 20+900	3KC0054, 057, 058, 059, 060, 061, 062, 063, 064, 065, 066
18	20+900 - 21+075	3KC0067, 068, 069, 070, 071
19	21+200 - 21+375	3KC0073, 074, 075, 076, 135
20	21+375 - 21+550	3KC0077, 078, 079, 080, 081
21	21+550 - 21+725	3KC0082, 083, 084, 085, 086, 087, 088, 089, 090
22	21+725 - 21+900	3KC0091, 092, 093, 094, 095, 096, 097, 152
23	21+900 - 22+075	3KC0098, 099, 100, 101, 102, 103, 104, 105
24	22+075 - 22+250	3KC0106, 107, 108, 109
25	22+250 - 22+425	3KC0110, 111, 112
26	22+425 - 22+600	3KC0114, 115, 116, 117
27	22+600 - 22+775	3KC0118
28	22+775 - 22+950	3KC0119
29	22+950 - 23+125	3KC0120, 143, 144
30	23+125 - 23+300	3KC0121, 124
31	23+300 - 23+475	———
32	23+475 - 23+650	———
33	189+625 - 189+775 (US 34)	———
34	189+775 - 189+950 (US 34)	3KC0125, 126, 127, 137, 138, 139
35	190+050 - 190+230 (US 34)	3KC0130, 131, 132, 133
36	190+230 - 190+400 (US 34)	3KC0140

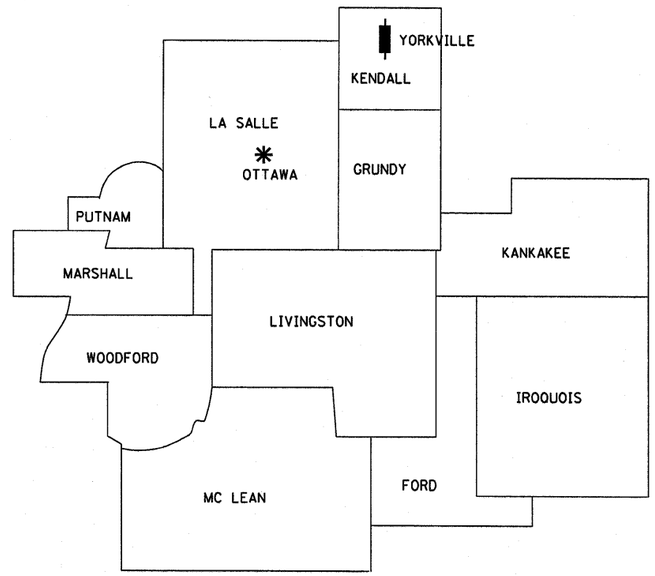
*NOT ACQUIRED



NET LENGTH OF LAND ACQUISITION = 5,350 m (17,552.46 LIN FT = 3.324 MILES
NET LENGTH OF AUTHORIZATION = 5,350 m (17,552.46 LIN FT = 3.324 MILES

PARCEL NUMBERS NOT USED: 3KC0029, 31, 55, 56, 72, 113, 122, 123, 128, 129, 136, 142

DISTRICT 3



✱ DISTRICT HEADQUARTERS
LOCATION OF SECTION INDICATED THUS:- ▬

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED _____ 20 _____
_____
DISTRICT ENGINEER

EXAMINED _____ 20 _____
_____
DISTRICT LAND ACQUISITION ENGINEER

PASSED _____ 20 _____
_____
DISTRICT CHIEF OF PLATS AND PLANS

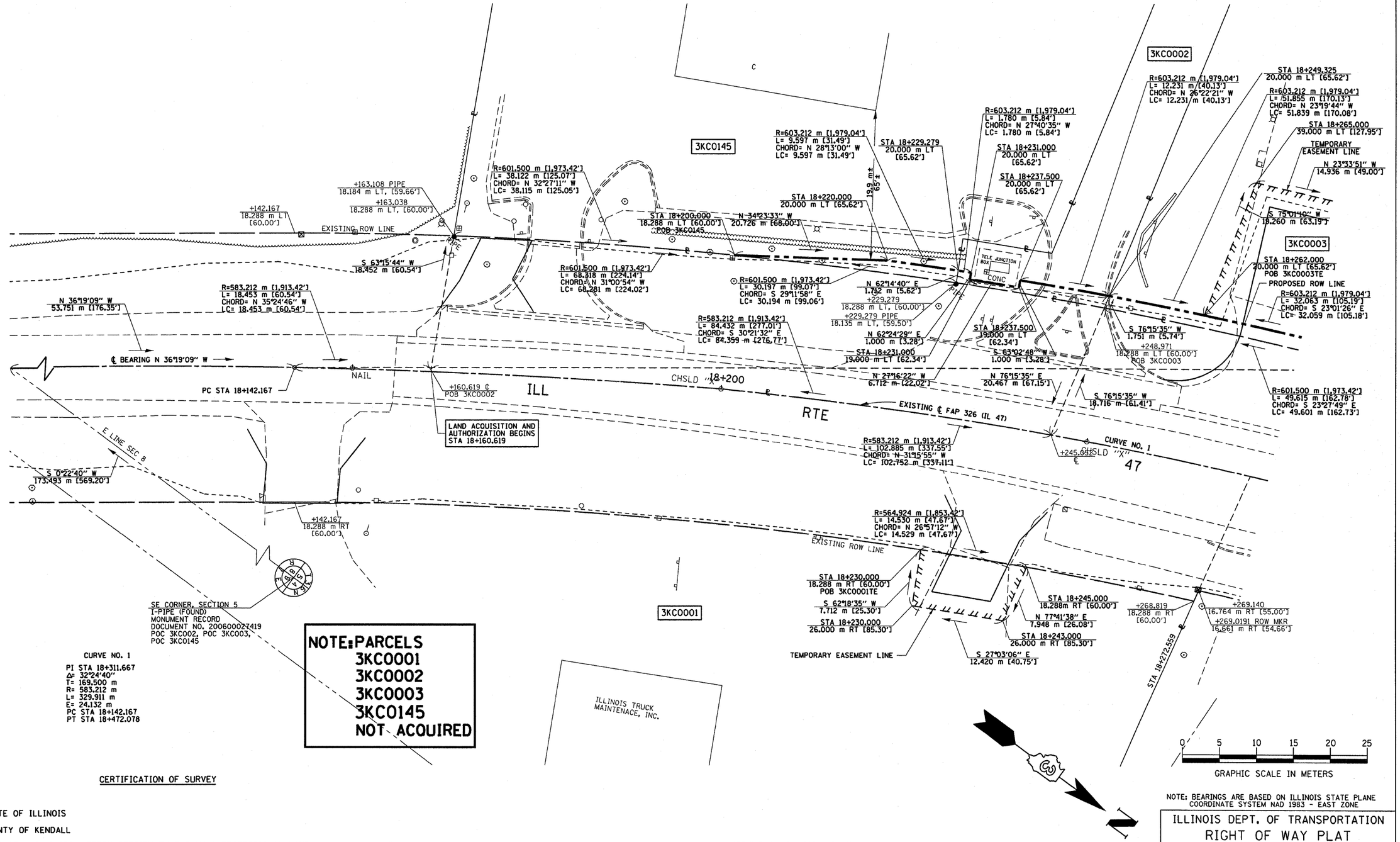
REVIEWED _____ 20 _____
_____
CENTRAL BUREAU RIGHT OF WAY PLANS ENGINEER

APPROVED _____ 20 _____
_____
ENGINEER OF LAND ACQUISITION

RECORDED AS DOCUMENT NO. _____ FLAT FILE

TOTAL SHEETS	SHEET NO.
931	487

NE ¼, SEC 8, T 36 N, R 7 E, 3RD PM



CERTIFICATION OF SURVEY

STATE OF ILLINOIS

COUNTY OF KENDALL

I, TIMOTHY C. QUIGG, HEREBY CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR OF THE STATE OF ILLINOIS, THAT THE SURVEY OF PROPOSED F.A.P. 326 (IL. 47) WAS MADE BY ME OR UNDER MY DIRECTION AND THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT ALL MONUMENTS AND MARKS ARE OF THE CHARACTER AND OCCUPY THE POSITION SHOWN THEREON, AND ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED.

DATE: _____ _____
ILLINOIS PROFESSIONAL LAND SURVEYOR NUMBER 3063

SURVEY BOOK NOS.

TIMOTHY C. QUIGG 3063 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS JACKSONVILLE, IL

LICENSE EXPIRES 11/30/08

AREAS SHOWN IN HECTARES [ACRES]
AREAS SHOWN IN SQUARE METERS [SQUARE FEET]

PARCEL NO.	OWNER	TOTAL HOLDING	TOTAL ROW REQUIRED	AREA IN EXISTING ROADWAY	NET ROW REQUIRED	REMAINDER	TEMPORARY EASEMENT AREA	EASEMENT PURPOSE
3KC0001	RICK D. MARTINEZ, et ux	1.6498 ha± [4.077 AC]±	——	——	——	——	0.0104 ha± 104 m² ± [0.026 AC]± [1,119 SF]±	DRIVE RECONSTRUCTION
3KC0002	CASTLE BANK, N.A., TRUST NO. 1797	2.8395 ha± [7.017 AC]±	0.1611 ha± [0.398 AC]±	0.1583 ha± [0.391 AC]±	0.0028 ha± [0.007 AC]±	2.6784 ha± [6.619 AC]±	——	
3KC0003	EQUILON ENTERPRISES, LLC	1.0712 ha± [2.647 AC]±	0.0087 ha± 87 m² ± [0.022 AC]± [936 SF]±	——	0.0087 ha± [0.022 AC]±	1.0625 ha± [2.625 AC]±	0.0446 ha± [0.110 AC]±	DRIVE RECONSTRUCTION
3KC0145	ARCHLAND PROPERTY II, LP	0.4756 ha± [1.175 AC]±	0.0033 ha± 33 m² ± [0.008 AC]± [355 SF]±	——	0.0033 ha± [0.008 AC]±	0.4723 ha± [1.167 AC]±	——	SHEET NO. 2 OF 36

NOTE: BEARINGS ARE BASED ON ILLINOIS STATE PLANE COORDINATE SYSTEM NAD 1983 - EAST ZONE

ILLINOIS DEPT. OF TRANSPORTATION
RIGHT OF WAY PLAT

ROUTE FAP 326 (IL 47)
SECTION (5CS, 13C, 108, 109)R
COUNTY : KENDALL
JOB# R-93-014-94 PROJECT#
SEC 8 T 36 N, R 7 E OF 3RD P.M.
STA 18+100.000 TO STA 18+275.000
SCALE: 1:250 SHEET NO. 2 OF 36

R001

RECORDED AS DOCUMENT NO. _____ FLAT FILE _____

TOTAL SHEETS	SHEET NO.
931	488

NE 1/4, SEC 8, T 36 N, R 7 E, 3RD PM

SE 1/4, SEC 5, T 36 N, R 7 E, 3RD PM

N 23°33'51" W
14.936 m [49.00']
STA 18+279.000
39.000 m LT [127.95']

PROPOSED TEMPORARY EASEMENT LINE

R=603.212 m [1,979.04']
L= 32.063 m [105.19']
CHORD= S 23°01'26" E
LC= 32.059 m [105.18']

N 30°03'58" E
24.026 m [78.82']

STA 18+293.000
20.000 m LT [65.62']
R=603.212 m [1,979.04']
L= 51.855 m [170.13']
CHORD= N 23°19'44" W
LC= 51.839 m [170.08']

PROPOSED ROW LINE
STA 18+299.461
20.000 m LT [65.62']

SHELL GAS STATION

FLAG POLE

FLAG POLE

FLAG POLE

EXISTING ROW LINE

STA 18+268.725

3KC0003

PI STA 18+311.667

EXISTING ROW LINE

S 55°47'45" E
2.999 m [9.84']

+297.078
18.288 m LT [60.00']

R=601.500 m [1,973.42']
L= 49.615 m [162.78']
CHORD= S 23°27'49" E
LC= 49.601 m [162.73']

18+300

EXISTING ℄ FAP 326 (IL 47)

ILL

STA. 18+370.248 (IL 47) =
STA. 30+000.000 (IL 71)

30+000

EXISTING ℄ IL RTE 71

RTE

29+950

71

CURVE NO. 1

18+400

RTE

FOUNTAIN VILLAGE
OF YORKVILLE
(DOC. NO. 200600021140)

LOT 5

STA 18+436.570
22.000 m LT
[72.18']

EXISTING ROW LINE

CTRL

0.00

+399.919
12.192 m RT
[40.00']

R=583.212 m [1913.42']
L= 101.831 m [334.09']
CHORD= N 8°54'37" W
LC= 101.702 m [333.67']

47

R=2353.329 m [7720.88']
L= 29.098 m [95.47']
CHORD= S 80°46'38" W
LC= 29.098 m [95.47']

+334.198 ROW MKR
17.767 m RT [55.01']

+334.836
16.784 m RT
[55.09']

EXISTING ROW LINE

+343.502 ROW MKR
31.671 m RT [103.91']

+343.462
31.760 m RT [104.20']

+025.894
15.240 m LT
[50.00']

EXISTING ROW LINE

STA 18+395.000
22.000 m RT
[72.18']

S 48°44'07" E
13.392 m [43.94']

PROPOSED ROW LINE

R=561.212 m [1841.25']
L= 74.171 m [243.34']
CHORD= S 7°41'39" E
LC= 74.117 m [243.17']

+029.098
CL

ILL

STA 18+383.762, 30.000 m RT [98.43']
STA 30+029.098, 15.240 m LT [50.00']

S 9°54'37" E
15.240 m [50.00']

15.240 m
[50'] ROW

3KC0004

IL RTE 47
CURVE NO. 1
PI STA 18+311.667
Δ= 32°24'40"
T= 169.500 m
R= 583.212 m
L= 329.911 m
E= 24.132 m
PC STA 18+142.167
PT STA 18+472.078

IL RTE 71
CURVE DATA
P.I. STA 30+120.636
Δ= 14°56'34"
T= 308.626 m
R= 2353.329 m
L= 613.749 m
E= 20.151 m
PC STA 29+812.010
PT STA 30+425.759

SILVER DOLLARS
FAMILY RESTAURANT

0 5 10 15 20 25

GRAPHIC SCALE IN METERS

NOTE: BEARINGS ARE BASED ON ILLINOIS STATE PLANE COORDINATE SYSTEM NAD 1983 - EAST ZONE

CERTIFICATION OF SURVEY

STATE OF ILLINOIS

COUNTY OF KENDALL

I, TIMOTHY C. QUIGG, HEREBY CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR OF THE STATE OF ILLINOIS, THAT THE SURVEY OF PROPOSED F.A.P. 326 (IL. 47) WAS MADE BY ME OR UNDER MY DIRECTION AND THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT ALL MONUMENTS AND MARKS ARE OF THE CHARACTER AND OCCUPY THE POSITION SHOWN THEREON, AND ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED.

DATE: _____ _____
ILLINOIS PROFESSIONAL LAND SURVEYOR NUMBER 3063

SURVEY BOOK NOS.

TIMOTHY C. QUIGG 3063 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS JACKSONVILLE, IL

LICENSE EXPIRES
11/30/08

NOTE: PARCEL 3KC0003 NOT ACQUIRED

ILLINOIS DEPT. OF TRANSPORTATION
RIGHT OF WAY PLAT

ROUTE FAP 326 (IL 47)
SECTION (5CS, 13C, 108, 109)R
COUNTY : KENDALL
JOB# R-93-014-94 PROJECT#
SEC 5 & 8 T 36 N, R 7 E OF 3RD P.M.
STA 18+275.000 TO STA 18+450.000
SCALE: 1:250 SHEET NO. 3 OF 36

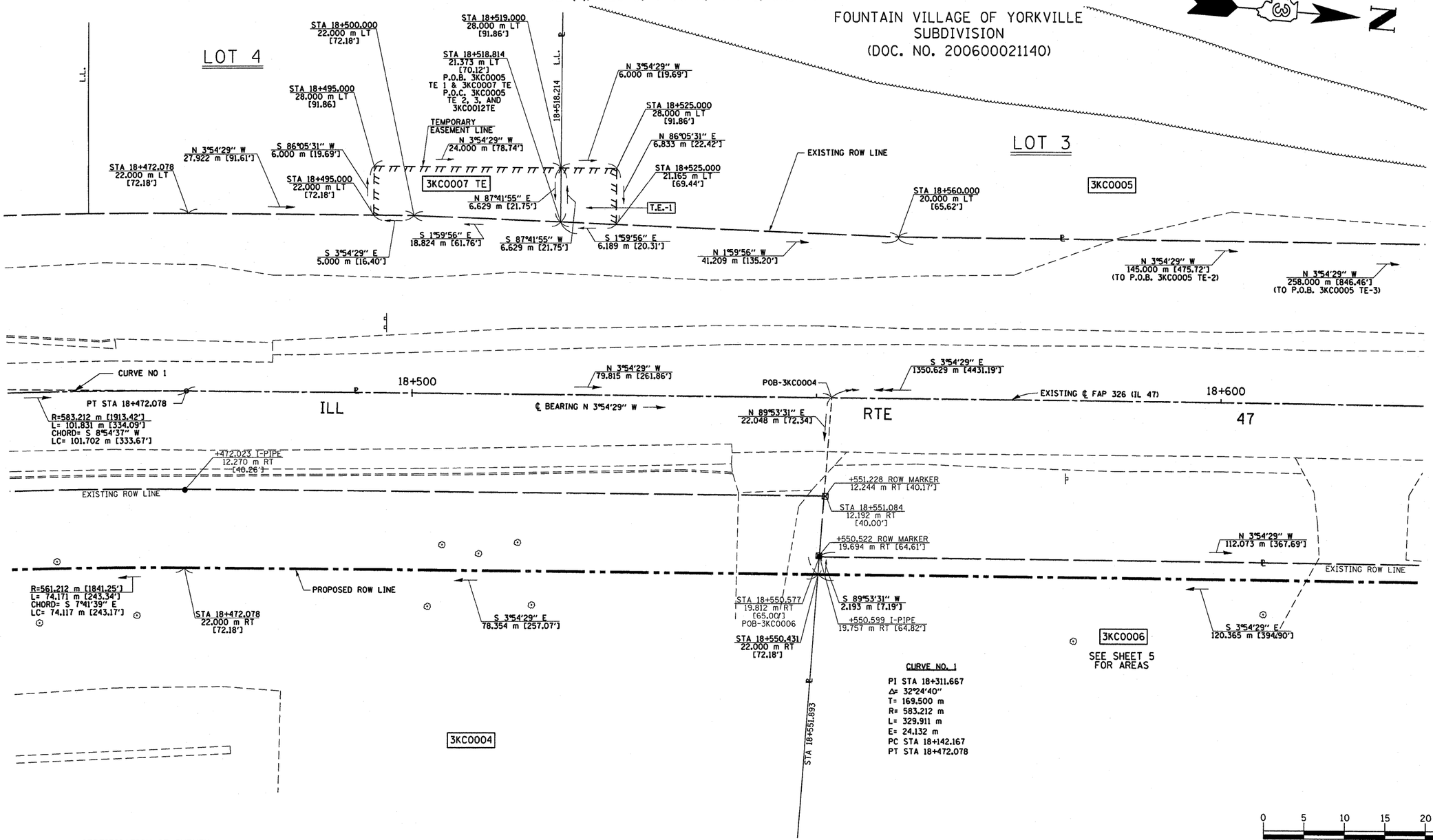
R002

RECORDED AS DOCUMENT NO. _____ FLAT FILE _____

TOTAL SHEETS	SHEET NO.
931	489

SE ¼, SEC 5, T 36 N, R 7 E, 3RD PM

FOUNTAIN VILLAGE OF YORKVILLE SUBDIVISION (DOC. NO. 200600021140)



0 5 10 15 20 25

GRAPHIC SCALE IN METERS

NOTE: BEARINGS ARE BASED ON ILLINOIS STATE PLANE COORDINATE SYSTEM NAD 1983 - EAST ZONE

CERTIFICATION OF SURVEY

STATE OF ILLINOIS

COUNTY OF KENDALL

I, TIMOTHY C. QUIGG, HEREBY CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR OF THE STATE OF ILLINOIS, THAT THE SURVEY OF PROPOSED F.A.P. 326 (IL. 47) WAS MADE BY ME OR UNDER MY DIRECTION AND THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT ALL MONUMENTS AND MARKS ARE OF THE CHARACTER AND OCCUPY THE POSITION SHOWN THEREON, AND ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED.

DATE:_____ _____ ILLINOIS PROFESSIONAL LAND SURVEYOR NUMBER 3063

SURVEY BOOK NOS.

TIMOTHY C. QUIGG 3063 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS JACKSONVILLE, IL

LICENSE EXPIRES 11/30/08

AREAS SHOWN IN HECTARES [ACRES]
AREAS SHOWN IN SQUARE METERS [SQUARE FEET]

PARCEL NO.	OWNER	TOTAL HOLDING	TOTAL ROW REQUIRED	AREA IN EXISTING ROADWAY	NET ROW REQUIRED	REMAINDER	TEMPORARY EASEMENT AREA	EASEMENT PURPOSE
3KC0004	GROWMARK, INC.	3.0190 ha± [7.460 AC]±	4115 m² ± [1.017 AC]±	2514 m² ± [0.621 AC]±	1601 m² ± [0.396 AC]±	2.6075 ha± [6.443 AC]±		
3KC0005	STANDARD BANK AND TRUST CO. TRUST NO. 19335	3.8036 ha± [9.40 AC]±					TE-1 41 m² ± [442 SF]± TE-2 688 m² ± [7405 SF]± TE-3 154 m² ± [1658 SF]±	DRIVEWAY CONSTRUCTION
3KC0007	INTERRA-VISION (YORKVILLE, IL), LLC	0.7244 ha± [1.79 AC]±					149 m² ± [1608 SF]±	DRIVEWAY CONSTRUCTION

ILLINOIS DEPT. OF TRANSPORTATION
RIGHT OF WAY PLAT

ROUTE FAP 326 (IL 47)
SECTION (5CS, 13C, 108, 109)R
COUNTY : KENDALL
JOB* R-93-014-94 PROJECT*
SEC 5 T 36 N, R 7 E OF 3RD P.M.
STA 18+450.000 TO STA 18+625.000
SCALE: 1:250 SHEET NO. 4 OF 36

RECORDED AS DOCUMENT NO. _____ FLAT FILE

TOTAL SHEETS	SHEET NO.
931	490

SE ¼, SEC 5, T 36 N, R 7 E, 3RD PM

FOUNTAIN VILLAGE OF YORKVILLE SUBDIVISION
(DOC. NO. 200600021140)

LOT 3

LOT 2

ROCK

L.L.

STA 18+710.000
45.000 m LT
[147.63']

N 3°54'29" W
20.000 m [65.62']

STA 18+730.000
45.000 m LT
[147.63']

TEMPORARY EASEMENT LINE

N 64°17'26" E
26.926 m [88.34']

N 82°35'53" W
25.495 m [83.65']

3KC0005 TE
TRACT NO. 2

STA 18+705.000
20.000 m LT
[65.62']
P.O.B.3KC0005TE-2

STA 18+740.000
20.000 m LT
[65.62']

EXISTING ROW LINE

N 3°54'29" W
145.000 m [475.72']
(TO P.O.B. 3KC0005 TE-2)

S 3°54'29" E
35.000 m [114.83']

N 3°54'29" W
258.000 m [846.46']
(TO P.O.B. 3KC0005TE-3)

S 3°54'29" E
1242.910 m [4077.78']

18+700

℄ BEARING N 3°54'29" W

EXISTING ℄ FAP 326 (IL 47)

18+800

ILL RTE 47

STA 18+662.650
19.812 m RT
[65.00']

N 3°54'29" W
112.073 m [367.69']

N 11°07'30" E
8.436 m [27.68']

PROPOSED ROW LINE

3KC0006

EXISTING ROW LINE

S 3°54'29" E
120.365 m [394.90']

STA 18+670.797
22.000 m RT
[72.18']

STA 18+691.023
27.432 m RT
[90.00']

FOUNTAINVIEW DRIVE

STA 18+725.682

STA 18+739.791
27.432 m RT
[90.00']

STA 18+758.808
19.812 m RT
[65.00']

LOT 1

FOUNTAINVIEW SUNDIVISION

BARN

HIGHWAY DEPARTMENT

CERTIFICATION OF SURVEY

0 5 10 15 20 25

GRAPHIC SCALE IN METERS

NOTE: BEARINGS ARE BASED ON ILLINOIS STATE PLANE COORDINATE SYSTEM NAD 1983 - EAST ZONE

STATE OF ILLINOIS

COUNTY OF KENDALL

I, TIMOTHY C. QUIGG, HEREBY CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR OF THE STATE OF ILLINOIS, THAT THE SURVEY OF PROPOSED F.A.P. 326 (IL. 47) WAS MADE BY ME OR UNDER MY DIRECTION AND THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT ALL MONUMENTS AND MARKS ARE OF THE CHARACTER AND OCCUPY THE POSITION SHOWN THEREON, AND ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED.

DATE: _____ _____
ILLINOIS PROFESSIONAL LAND SURVEYOR NUMBER 3063

SURVEY BOOK NOS.

TIMOTHY C. QUIGG 3063 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS JACKSONVILLE, ILL.

LICENSE EXPIRES
11/30/08

AREAS SHOWN IN HECTARES [ACRES]
AREAS SHOWN IN SQUARE METERS [SQUARE FEET]

PARCEL NO.	OWNER	TOTAL HOLDING	TOTAL ROW REQUIRED	REMAINDER	TEMPORARY EASEMENT AREA	EASEMENT PURPOSE
3KC0006	COUNTY OF KENDALL	2.6798 ha± [6.622 AC]±	0.0254 ha± .063 AC ± [254 m²]± [2734 SF]±	2.6544 ha ± [6.559 AC]±		

ILLINOIS DEPT. OF TRANSPORTATION
RIGHT OF WAY PLAT

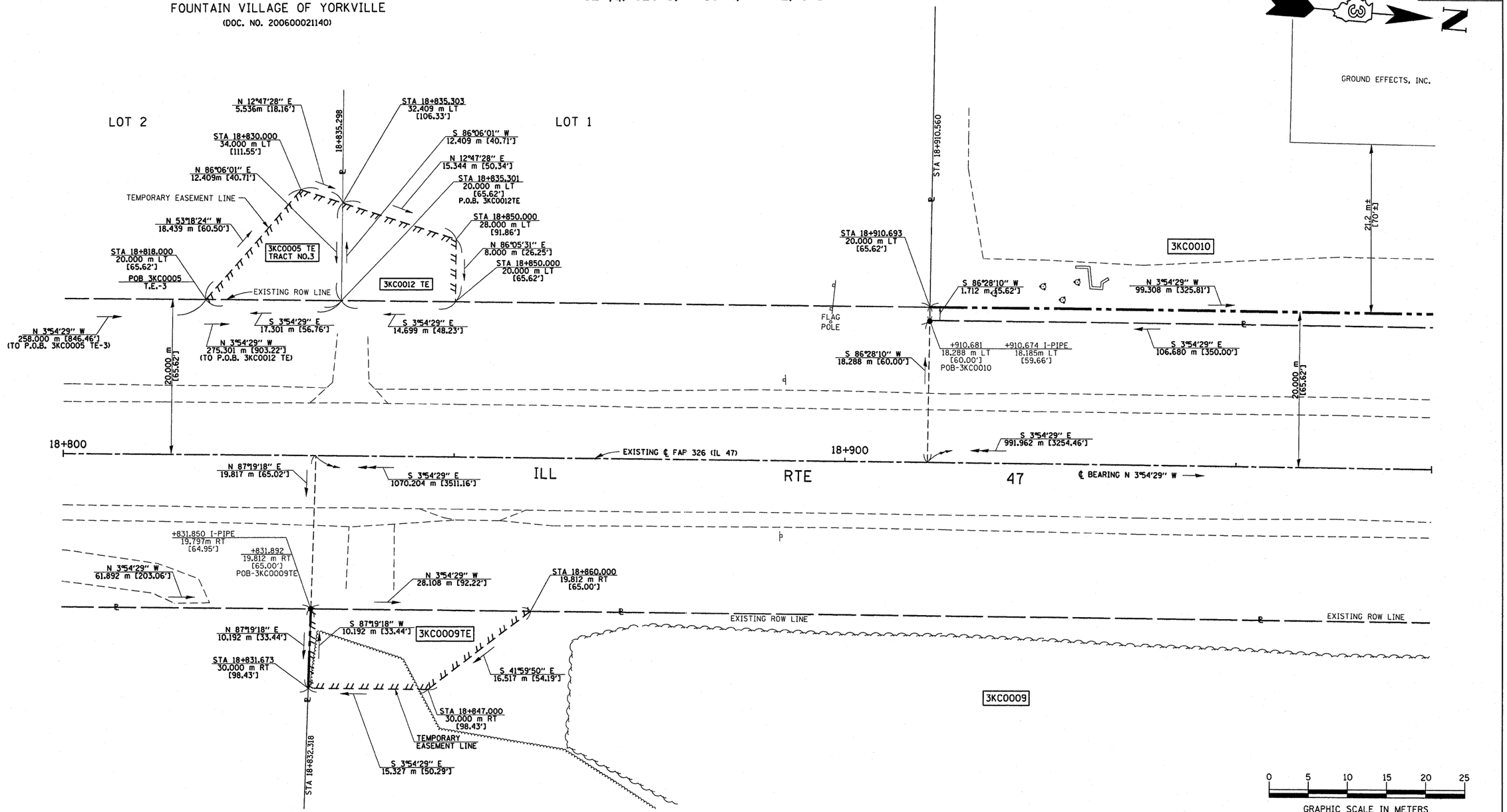
ROUTE FAP 326 (IL 47)
SECTION (5CS, 13C, 108, 109)R
COUNTY : KENDALL
JOB# R-93-014-94 PROJECT#
SEC 5 T 36 N, R 7 E OF 3RD P.M.
STA 18+625.000 TO STA 18+800.000
SCALE: 1:250 SHEET NO. 5 OF 36

RECORDED AS DOCUMENT NO. _____ FLAT FILE_____

TOTAL SHEETS	SHEET NO.
931	491

SE ¼, SEC 5, T 36 N, R 7 E, 3RD PM

FOUNTAIN VILLAGE OF YORKVILLE
(DOC. NO. 2006000021140)



0 5 10 15 20 25
GRAPHIC SCALE IN METERS

NOTE: BEARINGS ARE BASED ON ILLINOIS STATE PLANE COORDINATE SYSTEM NAD 1983 - EAST ZONE

CERTIFICATION OF SURVEY

STATE OF ILLINOIS

COUNTY OF KENDALL

I, TIMOTHY C. QUIGG, HEREBY CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR OF THE STATE OF ILLINOIS, THAT THE SURVEY OF PROPOSED F.A.P. 326 (IL. 47) WAS MADE BY ME OR UNDER MY DIRECTION AND THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF. THAT ALL MONUMENTS AND MARKS ARE OF THE CHARACTER AND OCCUPY THE POSITION SHOWN THEREON, AND ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED.

DATE:_____ _____
ILLINOIS PROFESSIONAL LAND SURVEYOR NUMBER 3063

SURVEY BOOK NOS.

TIMOTHY C. QUIGG 3063 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS JACKSONVILLE, IL

LICENSE EXPIRES 11/30/08

AREAS SHOWN IN HECTARES [ACRES]
AREAS SHOWN IN SQUARE METERS [SQUARE FEET]

PARCEL NO.	OWNER	TOTAL HOLDING	TOTAL ROW REQUIRED	REMAINDER	TEMPORARY EASEMENT AREA	EASEMENT PURPOSE
3KC0009	FOX VALLEY FARM PARTNERSHIP	37.1325 ha± [91.756 AC]±	——	——	0.0221 ha± 221 m² ± [0.055 AC]± [2,379 SF]±	GRADING AND DRIVE RECONSTRUCTION
3KC0010	MICHAEL GRAVES, et al	2.0234 ha± [5.000 AC]±	0.0205 ha± 205 m² ± [0.051 AC]± [2,207 SF]±	2.0029 ha± [4.949 AC]±	0.0089 ha± 89 m² ± [0.022 AC]± [958 SF]±	GRADING
3KC0012	CASTLE BANK, NA	6162 m² [1.523 AC]±	——	——	0.0150 ha± 150 m² ± [0.037 AC]± [1614 SF]±	GRADING AND DRIVE RECONSTRUCTION

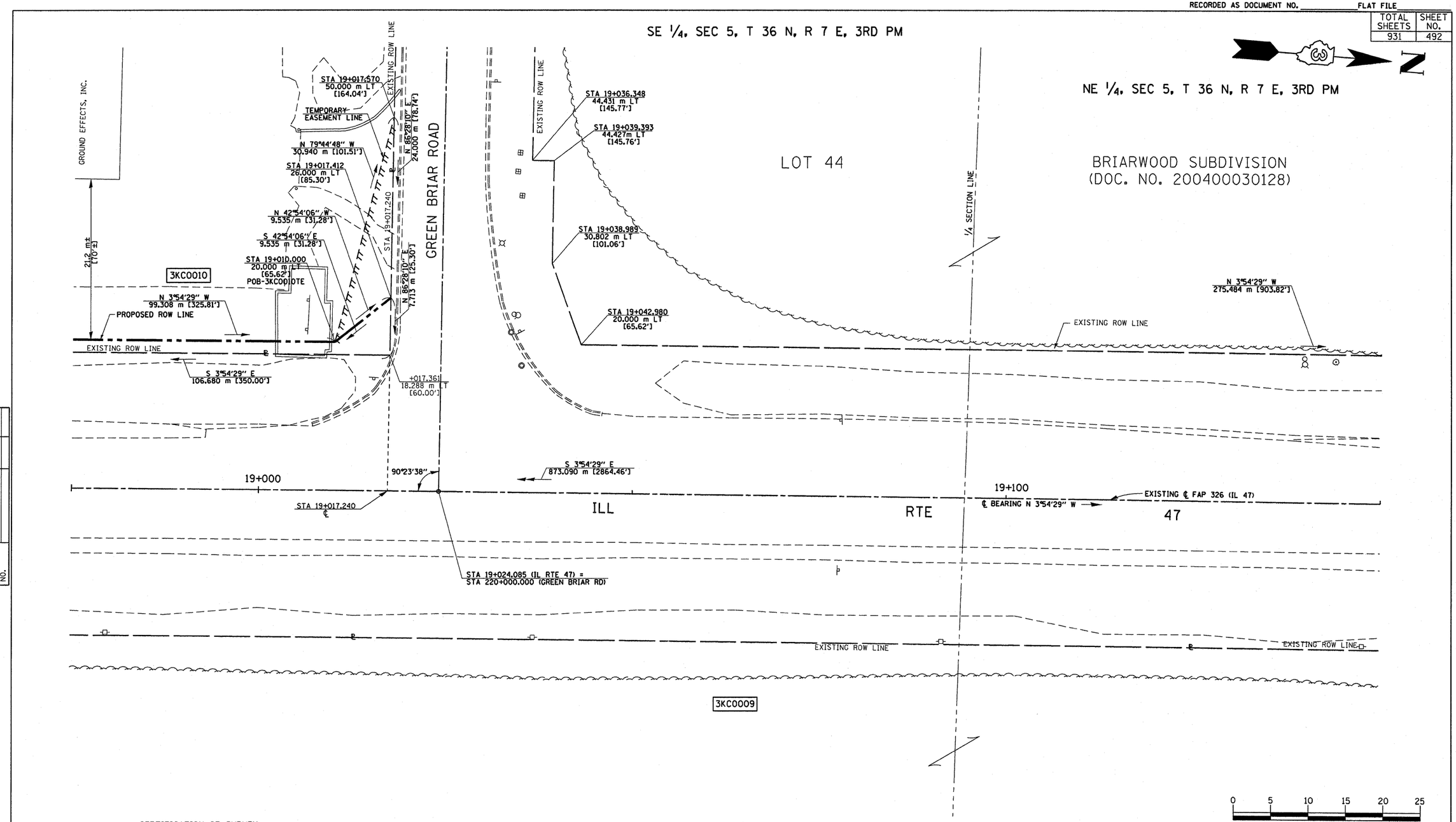
ILLINOIS DEPT. OF TRANSPORTATION
RIGHT OF WAY PLAT

ROUTE FAP 326 (IL 47)
SECTION (5CS, 13C, 108, 109)R
COUNTY : KENDALL
JOB# R-93-014-94 PROJECT#
SEC 5 T 36 N, R 7 E OF 3RD P.M.
STA 18+800.000 TO STA 18+975.000
SCALE: 1:250 SHEET NO. 6 OF 36

R005

RECORDED AS DOCUMENT NO. _____ FLAT FILE

TOTAL SHEETS	SHEET NO.
931	492



R.O.W. PLAT	NOTEBOOK NO.	BY	DATE

CERTIFICATION OF SURVEY

STATE OF ILLINOIS

COUNTY OF KENDALL

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DATE:_____ _____
ILLINOIS PROFESSIONAL LAND SURVEYOR NUMBER 3063

SURVEY BOOK NOS.

TIMOTHY C. QUIGG 3063 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS JACKSONVILLE, IL

LICENSE EXPIRES 11/30/08

R006

0 5 10 15 20 25

GRAPHIC SCALE IN METERS

NOTE: BEARINGS ARE BASED ON ILLINOIS STATE PLANE COORDINATE SYSTEM NAD 1983 - EAST ZONE

ILLINOIS DEPT. OF TRANSPORTATION

RIGHT OF WAY PLAT

ROUTE FAP 326 (IL 47)
SECTION (5CS, 13C, 108, 109)R
COUNTY : KENDALL
JOB# R-93-014-94 PROJECT#
SEC 5 T 36 N, R 7 E OF 3RD P.M.
STA 18+975.000 TO STA 19+150.000
SCALE: 1:250 SHEET NO. 7 OF 36

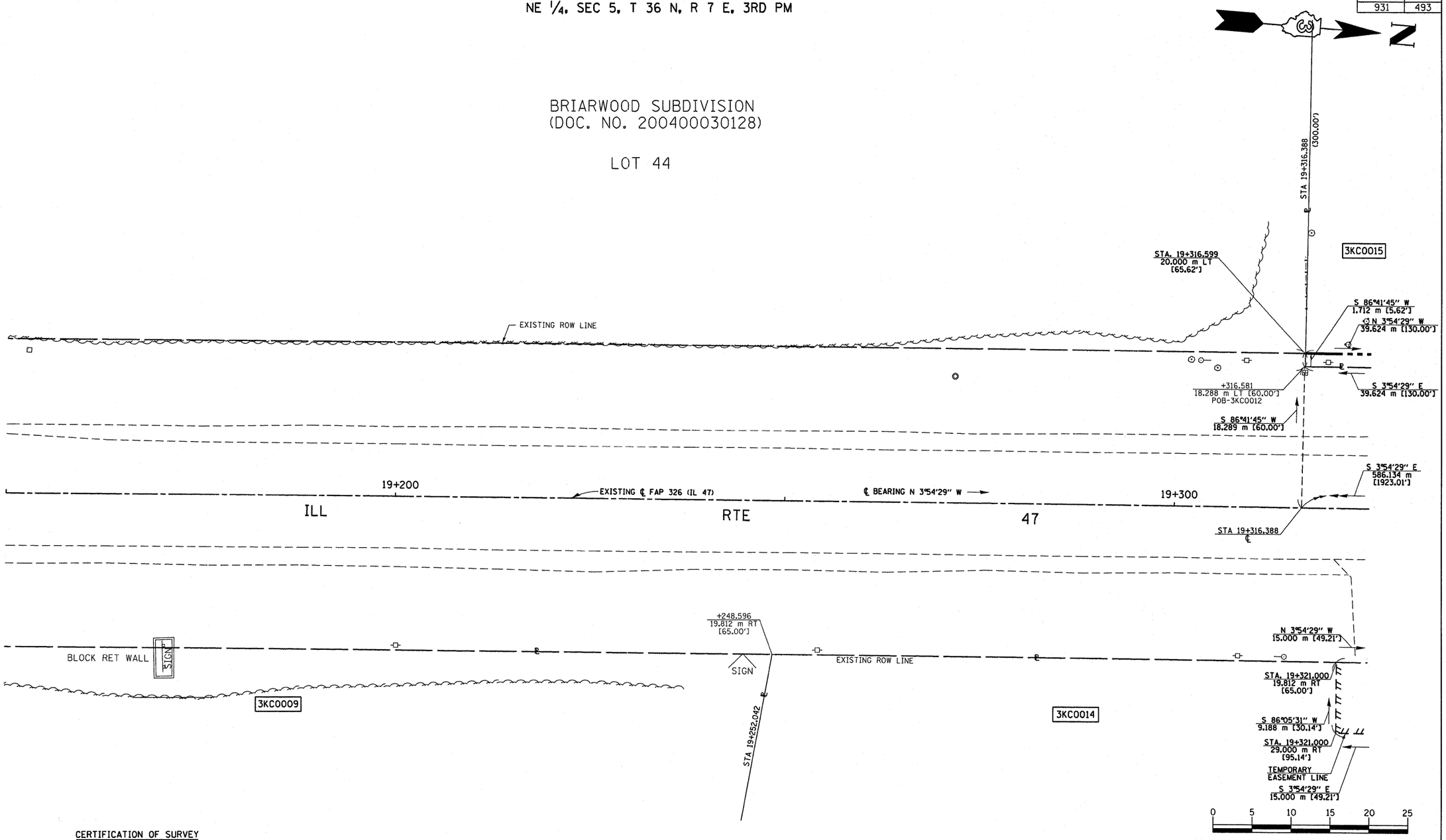
RECORDED AS DOCUMENT NO. _____ FLAT FILE

TOTAL SHEETS	SHEET NO.
931	493

NE 1/4, SEC 5, T 36 N, R 7 E, 3RD PM

BRIARWOOD SUBDIVISION
(DOC. NO. 200400030128)

LOT 44



NOTE: BEARINGS ARE BASED ON ILLINOIS STATE PLANE COORDINATE SYSTEM NAD 1983 - EAST ZONE

DATE	BY		R.O.W. PLAT	NOTEBOOK NO.

CERTIFICATION OF SURVEY

STATE OF ILLINOIS

COUNTY OF KENDALL

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DATE: _____ _____
ILLINOIS PROFESSIONAL LAND SURVEYOR NUMBER 3063

SURVEY BOOK NOS.

TIMOTHY C. QUIGG 3063 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS JACKSONVILLE, IL

LICENSE EXPIRES
11/30/08

AREAS SHOWN IN HECTARES [ACRES]
AREAS SHOWN IN SQUARE METERS [SQUARE FEET]

PARCEL NO.	OWNER	TOTAL HOLDING	TOTAL ROW REQUIRED	REMAINDER	TEMPORARY EASEMENT AREA	EASEMENT PURPOSE
3KC0014	STORAGE INVESTMENTS, LLC	1.4674 ha± [3.626 AC]±	———	———	0.0138 ha± 138 m² ± [0.034 AC]± [1,485 SF]±	DRIVE RECONSTRUCTION

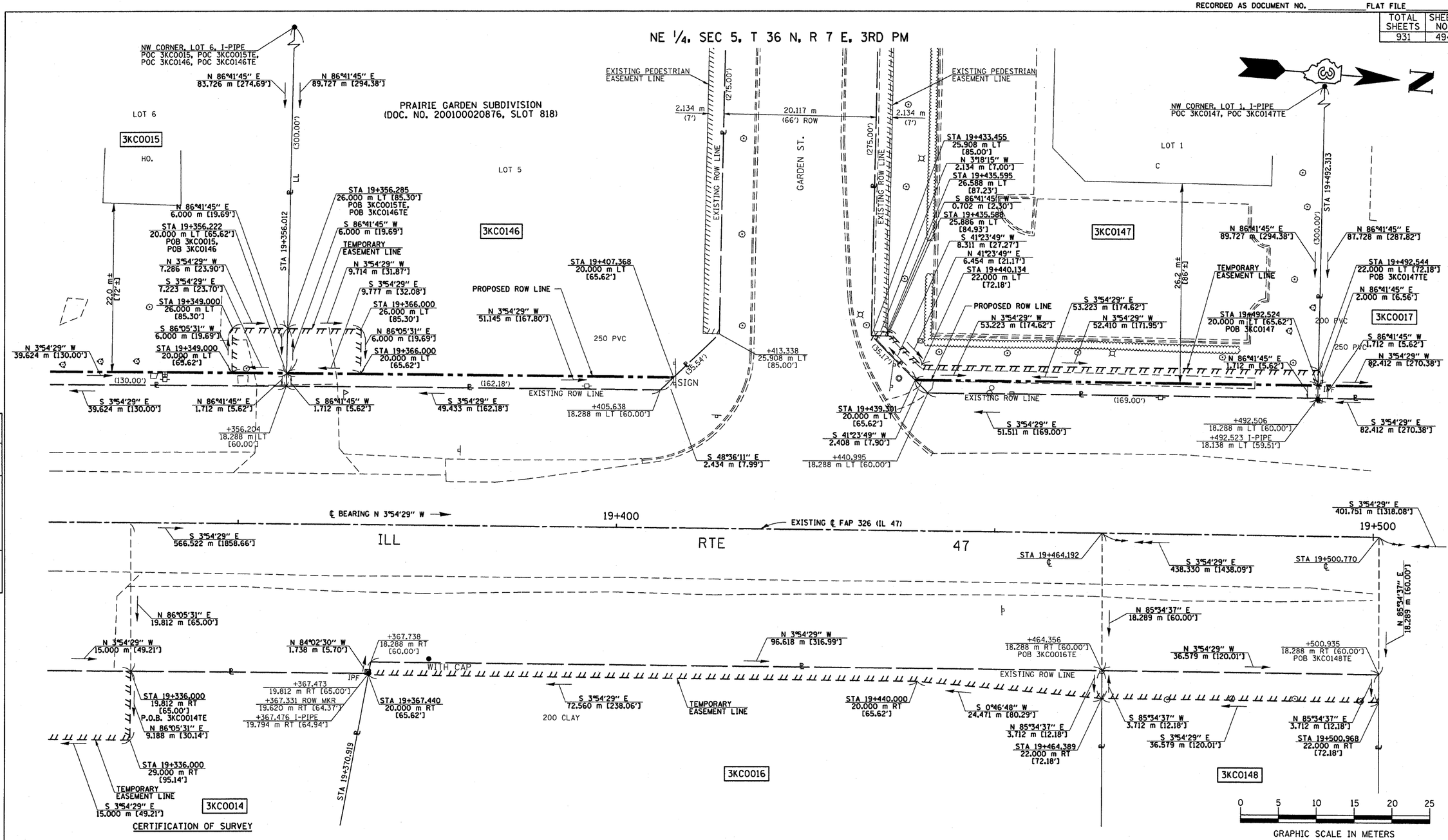
ILLINOIS DEPT. OF TRANSPORTATION
RIGHT OF WAY PLAT

ROUTE FAP 326 (IL 47)
SECTION (5CS, 13C, 108, 109)R
COUNTY : KENDALL
JOB# R-93-014-94 PROJECT#
SEC 5 T 36 N, R 7 E OF 3RD P.M.
STA 19+150.000 TO STA 19+325.000
SCALE: 1:250 SHEET NO. 8 OF 36

ROOT

RECORDED AS DOCUMENT NO. FLAT FILE

TOTAL SHEETS	SHEET NO.
931	494



DATE	BY	R.O.W. PLAT	NOTEBOOK NO.

CERTIFICATION OF SURVEY

STATE OF ILLINOIS

COUNTY OF KENDALL

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DATE:_____ ILLINOIS PROFESSIONAL LAND SURVEYOR NUMBER 3063

SURVEY BOOK NOS.

TIMOTHY C. QUIGG 3063 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS JACKSONVILLE, IL

LICENSE EXPIRES 11/30/08

AREAS SHOWN IN HECTARES [ACRES]
AREAS SHOWN IN SQUARE METERS [SQUARE FEET]

PARCEL NO.	OWNER	TOTAL HOLDING	TOTAL ROW REQUIRED	REMAINDER	TEMPORARY EASEMENT AREA	EASEMENT PURPOSE
3KC0015	SLMD PROPERTIES, LLC	0.2415 ha± [0.597 AC]±	0.0068 ha± [0.017 AC]± 68 m² ± [732 SF]±	0.2347 ha± [0.580 AC]±	0.0044 ha± [0.011 AC]± 44 m² ± [474 SF]±	DRIVE RECONSTRUCTION
3KC0016	NARVICK BROS. LUMBER COMPANY	1.4557 ha± [3.597 AC]±	——	——	0.0190 ha± [0.047 AC]± 190 m² ± [2,045 SF]±	GRADING
3KC0146	BRIDGE STREET YORKVILLE, LLC	0.5188 ha± [1.282 AC]±	0.0086 ha± [0.021 AC]± 86 m² ± [926 SF]±	0.5102 ha± [1.261 AC]±	0.0058 ha± [0.014 AC]± 58 m² ± [624 SF]±	DRIVE RECONSTRUCTION
3KC0147	S & K DEVELOPMENT, LLC	0.5378 ha± [1.329 AC]±	0.0090 ha± [0.022 AC]± 90 m² ± [969 SF]±	0.5288 ha± [1.307 AC]±	0.0120 ha± [0.030 AC]± 120 m² ± [1,292 SF]±	SIDEWALK RECONSTRUCTION
3KC0148	OAKWOOD BUILDING AND LAND CORP.	0.4237 ha± [1.047 AC]±	——	——	0.0136 ha± [0.034 AC]± 136 m² ± [1,464 SF]±	GRADING

NOTE: BEARINGS ARE BASED ON ILLINOIS STATE PLANE COORDINATE SYSTEM NAD 1983 - EAST ZONE

ILLINOIS DEPT. OF TRANSPORTATION
RIGHT OF WAY PLAT

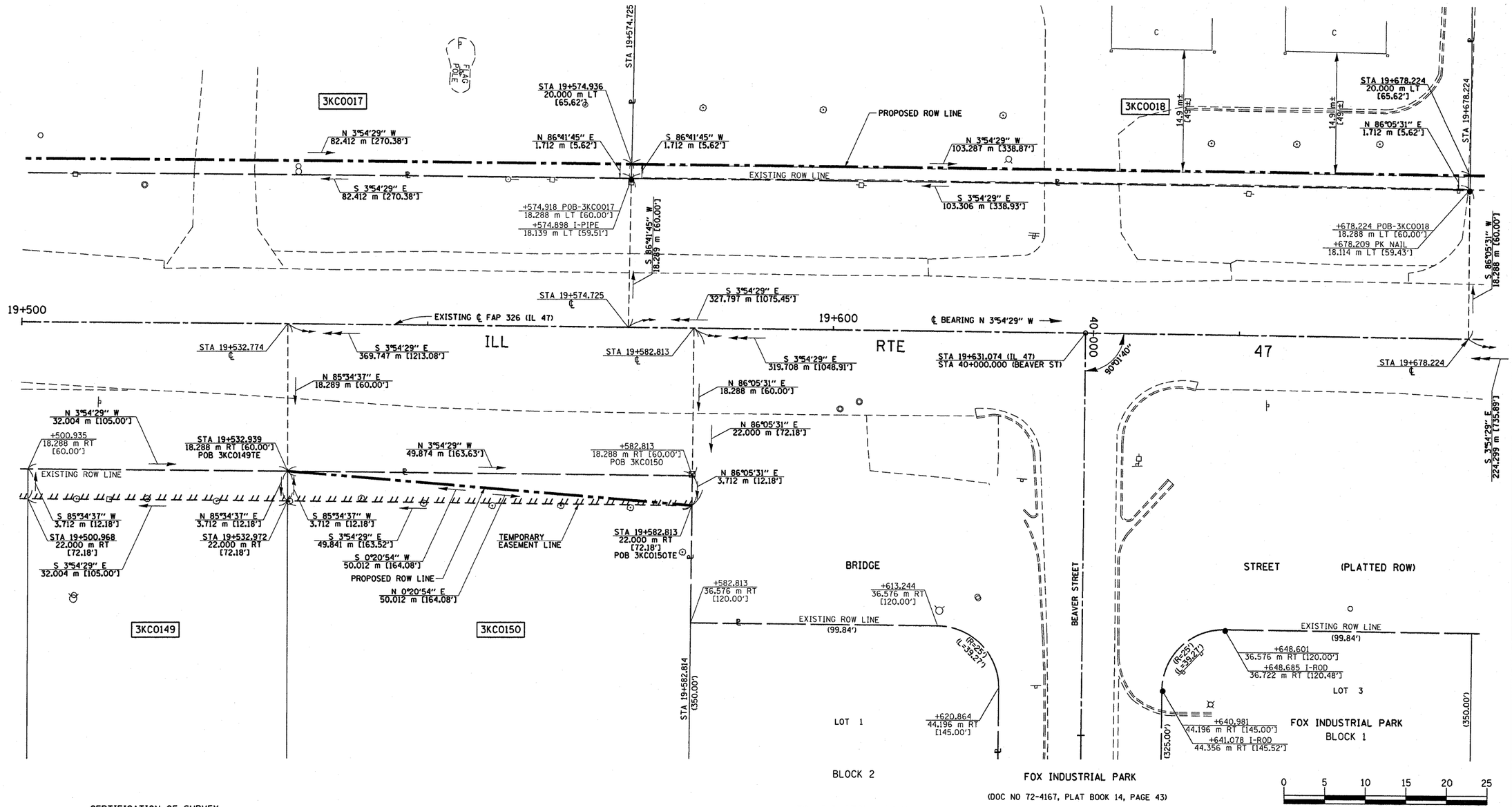
ROUTE FAP 326 (IL 47)
SECTION (5CS, 13C, 108, 109)R
COUNTY : KENDALL
JOB# R-93-014-94 PROJECT#
SEC 5 T 36 N, R 7 E OF 3RD P.M.
STA 19+325.000 TO STA 19+500.000
SCALE: 1:250 SHEET NO. 9 OF 36

R008

RECORDED AS DOCUMENT NO. _____ FLAT FILE _____

TOTAL SHEETS	SHEET NO.
931	495

NE 1/4, SEC 5, T 36 N, R 7 E, 3RD PM



0 5 10 15 20 25

GRAPHIC SCALE IN METERS

NOTE: BEARINGS ARE BASED ON ILLINOIS STATE PLANE COORDINATE SYSTEM NAD 1983 - EAST ZONE

R.O.W. PLAT	NOTEBOOK NO.	BY	DATE

CERTIFICATION OF SURVEY

STATE OF ILLINOIS

COUNTY OF KENDALL

I, TIMOTHY C. QUIGG, HEREBY CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR OF THE STATE OF ILLINOIS, THAT THE SURVEY OF PROPOSED F.A.P. 326 (IL. 47) WAS MADE BY ME OR UNDER MY DIRECTION AND THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT ALL MONUMENTS AND MARKS ARE OF THE CHARACTER AND OCCUPY THE POSITION SHOWN THEREON, AND ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED.

DATE:_____

_____
ILLINOIS PROFESSIONAL LAND SURVEYOR NUMBER 3063

SURVEY BOOK NOS.

TIMOTHY C. QUIGG 3063 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS JACKSONVILLE, IL

LICENSE EXPIRES 11/30/08

AREAS SHOWN IN HECTARES [ACRES]
AREAS SHOWN IN SQUARE METERS [SQUARE FEET]

PARCEL NO.	OWNER	TOTAL HOLDING	TOTAL ROW REQUIRED	REMAINDER	TEMPORARY EASEMENT AREA	EASEMENT PURPOSE
3KC0017	FIRST NATIONAL BANK OF DeKALB, TRUST NO. 1796	1.8729 ha± [4.628 AC]±	0.0141 ha± 141 m² ± [0.035 AC]± [1,518 SF]±	1.8588 ha± [4.593 AC]±	——	
3KC0018	DUNTOV-DAVIDSON, INC.	1.5091 ha± [3.729 AC]±	0.0177 ha± 177 m² ± [0.044 AC]± [1,905 SF]±	1.4914 ha± [3.685 AC]±	——	
3KC0149	STEVEN HEUBEL	0.4071 ha± [1.006 AC]±	——	——	0.0119 ha± 119 m² ± [0.029 AC]± [1,281 SF]±	GRADING
3KC0150	TIMOTHY M. SENNOTT, et ux	0.7037 ha± [1.739 AC]±	0.0093 ha± 93 m² ± [0.023 AC]± [1,001 SF]±	0.6944 ha± [1.716 AC]±	0.0093 ha± 93 m² ± [0.023 AC]± [1,001 SF]±	GRADING

ILLINOIS DEPT. OF TRANSPORTATION
RIGHT OF WAY PLAT

ROUTE FAP 326 (IL 47)
SECTION (5CS, 13C, 108, 109)R
COUNTY : KENDALL
JOB# R-93-014-94 PROJECT#
SEC 5 T 36 N, R 7 E OF 3RD P.M.
STA 19+500.000 TO STA 19+675.000
SCALE: 1:250 SHEET NO. 10 OF 36

R009

RECORDED AS DOCUMENT NO. _____ FLAT FILE _____

TOTAL SHEETS	SHEET NO.
931	496

PARCEL NO. 3KC0019			
COURSE	BEARING	DISTANCE	
POC-1	S 87°29'43" W	199.803 m	655.52'
1-20	S 3°54'29" E	216.984 m	711.89'
20-POB	S 86°05'31" W	18.288 m	60.00'
POB-24	S 3°54'29" E	7.315 m	24.00'
24-25	S 86°05'31" W	1.712 m	5.62'
25-22	N 3°54'29" W	7.315 m	24.00'
22-POB	N 86°05'31" E	1.712 m	5.62'

PARCEL NO. 3KC0020			
COURSE	BEARING	DISTANCE	
POC-1	S 87°29'43" W	199.803 m	655.52'
1-19	S 3°54'29" E	162.873 m	534.36'
19-POB	S 87°29'43" W	18.293 m	60.02'
POB-21	S 3°54'29" E	54.559 m	179.00'
21-22	S 86°05'31" W	1.712 m	5.62'
22-16	N 3°54'29" W	54.601 m	179.14'
16-POB	N 87°29'43" E	1.712 m	5.62'

PARCEL NO. 3KC0021			
COURSE	BEARING	DISTANCE	
POC-1	S 87°29'43" W	199.803 m	655.52'
1-10	S 3°54'29" E	83.125 m	272.72'
10-POB	S 87°29'43" W	10.732 m	35.21'
POB-14	S 4°04'41" W	54.408 m	178.50'
14-15	S 3°54'29" E	25.682 m	84.26'
15-16	S 87°29'43" W	1.712 m	5.62'
16-17	N 3°54'29" W	25.640 m	84.12'
17-11	R=940.492m [3085.60'] L=54.099m [177.49'] C=54.092m [177.47'] CHORD BRG N 2°15'37" W		
11-POB	N 87°29'43" E	7.718 m	25.32'

PARCEL NO. 3KC0021TE			
COURSE	BEARING	DISTANCE	
POC-1	S 87°29'43" W	199.803 m	655.52'
1-10	S 3°54'29" E	83.125 m	272.72'
10-POB	S 87°29'43" W	18.450 m	60.53'
POB-26	R=940.492m [3085.60'] L=12.494m [40.99'] C=12.494m [40.99'] CHORD BRG S 0°59'34" E		
26-18	S 88°37'36" W	4.000 m	13.12'
18-12	R=944.492m [3098.73'] L=12.415m [40.73'] C=12.415m [40.73'] CHORD BRG N 0°59'49" W		
12-POB	N 87°29'43" E	4.002 m	13.13'

PARCEL NO. 3KC0023			
COURSE	BEARING	DISTANCE	
POC-1	S 87°29'43" W	199.803 m	655.52'
1-POB	S 3°54'29" E	78.553 m	257.72'
POB-10	S 3°54'29" E	4.572 m	15.00'
10-11	S 87°29'43" W	18.450 m	60.53'
11-3	R=940.492m [3085.60'] L= 4.574m [15.01'] C=4.574m [15.01'] CHORD BRG N 0°28'23" W		
3-2	N 87°29'43" E	18.176 m	59.63'

PARCEL NO. 3KC0023TE			
COURSE	BEARING	DISTANCE	
POC-1	S 87°29'43" W	199.803 m	655.52'
1-10	S 3°54'29" W	83.125 m	272.72'
10-POB	S 87°29'43" W	18.450 m	60.53'
POB-12	S 87°29'43" W	4.002 m	13.13'
12-8	R=944.492m [3098.73'] L= 4.574m [15.01'] C= 4.574m [15.01'] CHORD BRG N 0°28'54" W		
8-3	N 87°29'43" E	4.002 m	13.13'
3-POB	R=940.492m [3085.60'] L= 4.574m [15.01'] C= 4.574m [15.01'] CHORD BRG S 0°28'23" E		

NE 1/4, SEC 5, T 36 N, R 7 E, 3RD PM

OFFICE BUILDING

3KC0018 | 3KC0019 | 3KC0020 | 3KC0021 | 3KC0023 | 3KC0025 | 3KC0022 | 3KC0024

STA 19+678.224 | STA 19+685.539 | STA 19+739.650 | STA 19+819.389 | STA 19+823.963

(25) STA 19+678.224 20.000 m LT [65.62']

(22) STA 19+685.539 20.000 m LT [65.62']

(16) STA 19+740.140 20.000 m LT [65.62']

(17) STA 19+765.780 20.000 m LT [65.62']

(12) STA 19+818.600 24.000 m LT [78.74']

(11) STA 19+818.729 20.000 m LT [65.62'] POB 3KC0023TE & POB 3KC0021TE

(18) STA 19+806.500 24.000 m LT [78.74']

(26) STA 19+806.500 20.000 m LT [65.62']

TEMPORARY EASEMENT LINE

(8) STA 19+823.057 24.000 m LT [78.74']

(3) STA 19+823.205 20.000 m LT [65.62'] POB-3KC0025TE

(9) STA 19+830.000 24.000 m LT [78.74']

(4) STA 19+830.000 20.000 m LT [65.62']

(5) STA 19+830.000 18.200 m LT [59.71']

PROPOSED ROW LINE

EXISTING ROW LINE

(21) +685.539 POB-3KC0019 18.288 m LT [60.00'] +685.533 PK NAIL 18.111 m LT [59.42']

(15) +740.098 POB-3KC0020 18.288 m LT [60.00'] +740.101 I-ROD 18.096 m LT [59.37']

(14) +765.780 18.288 m LT [60.00'] +765.748 ROW MKR 18.009 m LT [59.08']

(24) +678.224 18.288 m LT [60.00'] +678.209 PK NAIL 18.114 m LT [59.43']

(13) +818.980 POB-3KC0021 12.286 m LT [40.31']

+823.485 12.512 m LT [41.05']

(20) (19) (23)

19+700 | 19+800

℄ BEARING N 3°54'29" W

ILL | RTE | 47

PC STA 19+765.780

N 3°54'29" W 8.572 m [28.12']

+757.208 15.240 m RT [50.00'] +757.338 I-ROD 15.204 m RT [49.88']

+765.780 15.240 m RT [50.00'] +765.797 ROW MKR 15.105 m RT [49.56'] +765.824 I-ROD 15.244 m RT [50.01']

+801.499 15.240 m RT [50.00'] +801.703 I-ROD 15.159 m RT [49.73']

(10) +819.337 1.560 m LT [5.12']

(2) +823.892 1.837 m LT [6.03'] P.O.B. PARCEL 3KC0023

CURVE NO. 2

R=905.252 m [2969.98'] L= 35.127 m [115.25'] CHORD= N 2°47'47" W LC= 35.125 m [115.24']

R=905.252 m [2969.98'] L= 35.094 m [115.14'] CHORD= N 0°47'01" E LC= 35.091 m [115.13']

R=103.632 m [340.00'] L= 5.075 m [16.65'] CHORD= N 70°07'10" W LC= 5.074 m [16.65']

R=900.492 m [2954.36'] L= 37.071 m [121.62'] CHORD= S 0°44'27" W LC= 37.068 m [121.61']

(47.45') (R= 2873.49', L=99.90')

EXISTING ROW LINE

R=123.749 m [406.00'] L= 5.008 m [16.43'] CHORD= S 71°38'34" E LC= 5.008 m [16.43']

+823.312 15.240 m RT [50.00'] (R= 2873.49', L=110.00')

EXISTING ROW LINE

S 87°51'32" W 1.761 m [5.78']

STA 19+765.780 17.000 m RT [55.77'] PROPOSED ROW LINE

7.6 m± [25'±]

R=903.492 m [2964.21'] L= 31.625 m [103.76'] CHORD= S 2°54'19" E LC= 31.623 m [103.75']

STA 19+798.000 17.000 m RT [55.77']

S 3°54'29" E 8.626 m [28.30']

STA 19+799.914 20.000 m RT [65.62']

COLONIAL PARKWAY

STA 19+757.154 17.000 m RT [55.77'] POB-3KC0022

STA 19+757.678

+756.549 36.576 m RT [120.00'] +756.727 I-ROD 36.744 m RT [120.55']

BRIDGE STREET (PLATTED ROW)

(99.84') EXISTING ROW LINE (124.46') (129.86')

LOT 3 (350.00') LL LOT 2 (350.00') LL LOT 1

(144.00') (350.17')

BLOCK 1

FOX INDUSTRIAL PARK

(DOC NO 72-4167, PLAT BOOK 14, PAGE 43)

S 87°51'32" W 39.081 m [128.22']

SE CORNER LOT 9 POC 3KC0022

(119.70')

LOT 9

APARTMENTS

S 56°08'52" W 5.638 m [11.61']

20.117 m (66') ROW

(148.41') EXISTING ROW LINE

R=103.632 m [340.00'] L= 38.878 m [127.55'] CHORD= N 82°16'10" W LC= 38.651 m [126.81']

(156.12') EXISTING ROW LINE

APARTMENTS

MILLER SUBDIVISION

(DOC NO 72-4211, PLAT BOOK 14, PAGE 46)

S 86°58'59" W 4.039 m [13.25']

SE CORNER LOT 1 POC 3KC0024

STA 19+821.520 20.000 m RT [65.62'] POB 3KC0024

9.7 m± [32'±]

LOT 1

CURVE NO. 2
PI STA 19+925.861
Δ= 19°43'52"
T= 160.081 m
R= 920.492 m
L= 316.992 m
E= 13.816 m
PC STA 19+765.780
PT STA 20+082.772

0 5 10 15 20 25

GRAPHIC SCALE IN METERS

NOTE: BEARINGS ARE BASED ON ILLINOIS STATE PLANE COORDINATE SYSTEM NAD 1983 - EAST ZONE

DATE	BY	R.O.W. PLAT	NOTEBOOK NO.

CERTIFICATION OF SURVEY

STATE OF ILLINOIS

COUNTY OF KENDALL

I, TIMOTHY C. QUIGG, HEREBY CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR OF THE STATE OF ILLINOIS, THAT THE SURVEY OF PROPOSED F.A.P. 326 (IL. 47) WAS MADE BY ME OR UNDER MY DIRECTION AND THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT ALL MONUMENTS AND MARKS ARE OF THE CHARACTER AND OCCUPY THE POSITION SHOWN THEREON, AND ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED.

DATE: _____

_____ ILLINOIS PROFESSIONAL LAND SURVEYOR NUMBER 3063

SURVEY BOOK NOS.

R010

TIMOTHY C. QUIGG 3063 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS JACKSONVILLE IL

LICENSE EXPIRES 11/30/08

AREAS SHOWN IN HECTARES [ACRES]
AREAS SHOWN IN SQUARE METERS [SQUARE FEET]

PARCEL NO.	OWNER	TOTAL HOLDING	TOTAL ROW REQUIRED	AREA IN EXISTING ROADWAY	NET ROW REQUIRED	REMAINDER	TEMPORARY EASEMENT AREA	EASEMENT PURPOSE
3KC0019	BRENT SCHALHAMER, et al	0.0013 ha± [0.003 AC]±	0.0013 ha± [0.003 AC]± 13 m² ± [140 SF]±	———	———	0.00 ha± [0.00 AC]±	———	
3KC0020	BRENT A. SCHALHAMER	0.4229 ha± [1.045 AC]±	0.0093 ha± [0.023 AC]± 93 m² ± [1,001 SF]±	———	0.0093 ha± [0.023 AC]±	0.4136 ha± [1.022 AC]±	———	
3KC0021	WILLIAM W. DAVIS	1.3796 ha± [3.409 AC]±	0.0313 ha± [0.077 AC]± 313 m² ± [3,369 SF]±	———	0.0313 ha± [0.077 AC]±	1.3483 ha± [3.332 AC]±	0.0050 ha± [0.012 AC]± 50 m² ± [538 SF]±	DRIVE RECONSTRUCTION
3KC0022	RICHARD GROESCH	1,595 m² ± [17,168 SF]±	81 m² ± [872 SF]±	———	81 m² ± [872 SF]±	1,514 m² ± [16,296 SF]±	———	
3KC0023	JOHN H. CLEMENS, et al	3.6217 ha± [8.949 AC]±	0.0084 ha± [0.021 AC]± 84 m² ± [901 SF]±	0.0049 ha± [0.012 AC]±	0.0035 ha± [0.009 AC]±	3.6133 ha± [8.927 AC]±	0.0018 ha± [0.005 AC]± 18 m² ± [194 SF]±	DRIVE RECONSTRUCTION
3KC0024	WILLMAN TOWNHOUSE ASSOC., LOT 1	1,581 m² ± [17,017 SF]±	172 m² ± [1,851 SF]±	———	172 m² ± [1,851 SF]±	1,409 m² ± [15,166 SF]±	———	

ILLINOIS DEPT. OF TRANSPORTATION
RIGHT OF WAY PLAT

ROUTE FAP 326 (IL 47)
SECTION (5CS, 13C, 108, 109)R
COUNTY : KENDALL
JOB* R-93-014-94 PROJECT*
SEC 5 T 36 N, R 7 E OF 3RD P.M.
STA 19+675.000 TO STA 19+850.000
SCALE: 1:250 SHEET NO. 11 OF 36

RECORDED AS DOCUMENT NO. _____ FLAT FILE _____

TOTAL SHEETS	SHEET NO.
931	497

NE 1/4, SEC 5, T 36 N, R 7 E, 3RD PM

SE 1/4, SEC 32, T 37 N, R 7 E, 3RD PM

PARCEL NO 3KC0025			
COURSE	BEARING	DISTANCE	
POC-POB	S 87°29'43" W	199.803 m	655.52'
POB-2	S 3°54'29" E	78.553 m	257.72'
2-3	S 87°29'43" W	18.176 m	59.63'
3-4	R=940.492m [3085.60'] L= 6.943m [22.78'] C= 6.943m [22.78'] CHORD BRG N 0°07'20" W		
4-5	S 89°54'39" E	1.800 m	5.91'
5-6	N 2°58'53" W	26.600 m	87.27'
6-7	R=940.492m [3085.60'] L=45.295m [148.61'] C=45.291m [148.59'] CHORD BRG N 3°05'15" E		
7-POB	N 87°29'43" E	9.973 m	32.72'

PARCEL NO 3KC0025TE			
COURSE	BEARING	DISTANCE	
POC-1	S 87°29'43" W	199.803 m	655.52'
1-2	S 3°54'29" E	73.152 m	240.00'
2-POB	S 87°29'43" W	18.176 m	59.63'
POB-8	S 87°29'43" W	4.002 m	13.13'
8-9	R=944.492m [3098.73'] L= 7.124m [23.37'] C=7.124m [23.37'] CHORD BRG N 0°07'36" W		
9-4	S 89°54'39" E	4.000 m	13.12'
4-POB	R=940.492m [3085.60'] L= 6.943m [22.78'] C=6.943m [22.78'] CHORD BRG S 0°07'20" E		

CURVE NO. 2
PI STA 19+925.861
Δ= 19°43'52"
T= 160.081 m
R= 920.492 m
L= 316.992 m
E= 13.816 m
PC STA 19+765.780
PT STA 20+082.772

HUGHES SUBDIVISION
(DOC NO 108119, PLAT BOOK 9, PAGE 29)

MARTIN'S SUBDIVISION
(DOC NO 123713, PLAT BOOK 9, PAGE 86)

MILLER SUBDIVISION
(DOC NO 72-4211, PLAT BOOK 14, PAGE 46)

COZY CORNER SUBDIVISION
(DOC. NO. 2007-00005257)

3KC0024 · 3KC0025 · 3KC0026 · 3KC0027 · 3KC0028 · 3KC0030 · 3KC0134

LOT 1 · LOT 2 · LOT 3 · HO. (#1011) · HO. (#1101)

OFFICE BUILDING · FLAG POLE · F.W. WITT

ELIZABETH STREET · MAIN STREET · T 37 N, T 36 N

EXISTING ROW LINE · PROPOSED ROW LINE · TEMPORARY EASEMENT LINE

EXISTING ℄ FAP 326 (IL 47) · CURVE NO. 2

ILL RTE 47 · 19+900 · 20+000

STA 19+856.000 20.000 m LT [65.62'] (6)
STA 19+900.332 20.000 m LT [65.62'] (7)
+900.349 I-PIPE 19.863 m LT [65.17'] P.O.B. 3KC0027TE P.O.C. 3KC0027
STA 19+900.693 17.000 m LT [55.77'] POB 3KC0027
+901.529 POB-3KC0025 10.101 m LT [33.14'] (1)
STA 19+901.557 9.880 m LT [32.41']
STA 19+913.000 24.600 m LT [80.71']
STA 19+913.000 21.866 m LT [71.74']
STA 19+925.861
STA 19+940.000 17.000 m LT [55.77']
STA 19+948.553 31.000 m LT [101.71']
+948.955 28.589 m LT [93.80']
STA 19+950.709 18.693 m LT [61.33']
STA 20+002.854 20.584 m LT [67.53']
STA 20+002.854 20.000 m LT [65.62']
20+002.854 12.735 m LT [41.78']
STA 19+857.687 (157.00')
STA 19+905.334 20.000 m RT [65.62] POB 3KC0026
STA 19+859.415 20.000 m RT [65.62']
STA 19+964.809
STA 19+968.910 20.000 m RT [65.62]
STA 19+999.853 16.000 m RT [52.49']
STA 20+000.344 18.000 m RT [59.06']
STA 20+000.837 20.000 m RT [65.62]

N 87°29'43" E 2.884 m [9.46']
S 87°29'43" W 7.174m [23.54']
S 3°56'15" E 50.680 m [166.27']
N 3°56'18" W 13.091 m [42.95']
N 84°44'32" W 2.734 m [8.97']
N 3°33'17" W 37.160 m [121.92']
N 87°44'43" E 2.450 m [8.04']
N 87°14'43" E 10.058 m [33.00']
S 44°24'39" E 14.782 m [48.50']
N 44°24'39" W 14.782 m [48.50']
N 79°09'05" W 7.265m [23.84']
S 87°29'43" W 199.803 m [655.52']
S 87°29'43" W 169.465 m [555.99']
S 86°58'59" W 4.778 m [15.68']
N 86°58'59" E 4.778 m [15.68']
N 87°08'29" E 4.859 m [15.94']
N 87°08'29" E 1.761 m [5.78']
S 87°08'29" W 3.952 m [12.97']
S 87°08'29" W 2.057 m [6.75']
S 87°08'29" W 2.057 m [6.75']
S 87°08'29" W 1.748 m [5.73']

R=905.252 m [2969.98']
L= 35.094 m [115.14']
CHORD= N 0°47'01" E
LC= 35.091 m [115.13']

R=905.252 m [2969.98']
L= 107.117 m [351.43']
CHORD= N 5°17'03" E
LC= 107.055 m [351.23']

R=900.492 m [2954.36']
L= 37.071 m [121.62']
CHORD= S 0°44'27" W
LC= 37.068 m [121.61']

R=900.492 m [2954.36']
L= 44.922 m [147.38']
CHORD= S 3°20'58" W
LC= 44.917 m [147.36']

R=900.492 m [2954.36']
L= 62.195 m [204.05']
CHORD= N 6°45'26" E
LC= 62.182 m [204.01']

R=937.492 m [3075.76']
L= 40.033 m [131.34']
CHORD= N 5°42'48" E
LC= 40.030 m [131.33']

R=899.579 m [2951.37']
L= 75.093 m [246.37']
CHORD= S 13°21'17" W
LC= 75.071 m [246.30']

R=902.204 m [2959.98']
L= 31.229 m [102.46']
CHORD= N 9°42'18" E
LC= 31.228 m [102.45']

R=900.492 m [2954.36']
L= 31.232 m [102.47']
CHORD= N 9°43'46" E
LC= 31.231 m [102.46']

R=908.335 m [2980.10']
L= 76.789 m [251.93']
CHORD= N 13°02'17" E
LC= 76.765 m [251.85']

R=904.492 m [2967.49']
L= 73.841 m [242.26']
CHORD= N 13°00'02" E
LC= 73.821 m [242.19']

R=902.492 m [2660.93']
L= 70.255 m [230.50']
CHORD= S 12°55'21" W
LC= 70.238 m [230.44']

R=940.492 m [3085.60']
L= 37.953 m [124.52']
CHORD= N 12°00'17" E
LC= 37.951 m [124.51']

+858.997 15.240 m RT [50.00']
+859.136 I-PIPE 15.224 m RT [49.95']
+936.479 ROW MKR 15.117 m RT [49.60']
+936.549 I-PIPE 15.230 m RT [49.97']
+967.918 15.240 m RT [50.00']
+967.930 ROW MKR 15.030 m RT [49.31']
+968.080 I-PIPE 15.258 m RT [50.06']
+968.552 18.288 m RT [60.00']
+998.917 12.192 m RT [40.0']
+998.035 ROW MKR 12.073 m RT [39.61']
+000.415 18.288 m RT [60.00']
+999.245 I-PIPE 18.102 m RT [59.39']

(166.5') · (166.2') · (100.0') · (94.9') · (93.20') · (128.45') · (66') ROW · 18.288 m (60') ROW · 20.117 m

S LINE, SE 1/4, SEC 32 · N LINE, NE 1/4, SEC 5

NE CORNER, SECTION 5
I-ROD (SET)
MONUMENT RECORD
DOCUMENT NO. 200600027418
POC 3KC0004, POC 3KC0006, POC 3KC0009TE, POC 3KC0010, POC 3KC0010TE, POC 3KC0016TE, POC 3KC0017, POC 3KC0018, POC 3KC0019, POC 3KC0020, POC 3KC0021, POC 3KC0023, POC 3KC0025, POC 3KC0026, POC 3KC0148TE, POC 3KC0149TE, POC 3KC0150, POC 3KC0150TE

0 5 10 15 20 25
GRAPHIC SCALE IN METERS

NOTE: BEARINGS ARE BASED ON ILLINOIS STATE PLANE COORDINATE SYSTEM NAD 1983 - EAST ZONE

BY	DATE

R.O.W. PLAT NO. _____ NOTEBOOK NO. _____

CERTIFICATION OF SURVEY

STATE OF ILLINOIS

COUNTY OF KENDALL

I, TIMOTHY C. QUIGG, HEREBY CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR OF THE STATE OF ILLINOIS, THAT THE SURVEY OF PROPOSED F.A.P. 326 (IL. 47) WAS MADE BY ME OR UNDER MY DIRECTION AND THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT ALL MONUMENTS AND MARKS ARE OF THE CHARACTER AND OCCUPY THE POSITION SHOWN THEREON, AND ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED.

DATE: _____ _____
ILLINOIS PROFESSIONAL LAND SURVEYOR NUMBER 3063

SURVEY BOOK NOS.

R011

TIMOTHY C. QUIGG 3063 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS JACKSONVILLE, IL

LICENSE EXPIRES 11/30/08

AREAS SHOWN IN HECTARES [ACRES]
AREAS SHOWN IN SQUARE METERS [SQUARE FEET]

PARCEL NO.	OWNER	TOTAL HOLDING	TOTAL ROW REQUIRED	AREA IN EXISTING ROADWAY	NET ROW REQUIRED	REMAINDER	TEMPORARY EASEMENT AREA	EASEMENT PURPOSE
3KC0025	CASTLE BANK, N.A., TRUSTEE	0.8094 ha± [2.000 AC]±	0.1123 ha± [0.278 AC]±	0.0806 ha± [0.199 AC]±	0.0317 ha± [0.079 AC]±	0.6971 ha± [1.722 AC]±	0.0028 ha± [0.007 AC]± 28 m² ± [301 SF]±	DRIVE RECONSTRUCTION
3KC0026	CA YORKVILLE, LLC	16,082 m² ± [173,105 SF]±	510 m² ± [5,490 SF]±	———	510 m² ± [5,490 SF]±	15,572 m² ± [167,615 SF]±	———	
3KC0027	JOANNE M. RIEMENSCHNEIDER, TRUSTEE	2,094 m² ± [22,540 SF]±	215 m² ± [2314 SF]±	———	———	1,879 m² ± [20,226 SF]±	391 m² ± [4,209 SF]±	DRIVE RECONSTRUCTION AND GRADING
3KC0028	STATE BANK OF ILLINOIS, TR#1-1344	5,381 m² ± [57,918 SF]±	54 m² ± [576 SF]±	———	———	5,327 m² ± [57,342 SF]±	———	

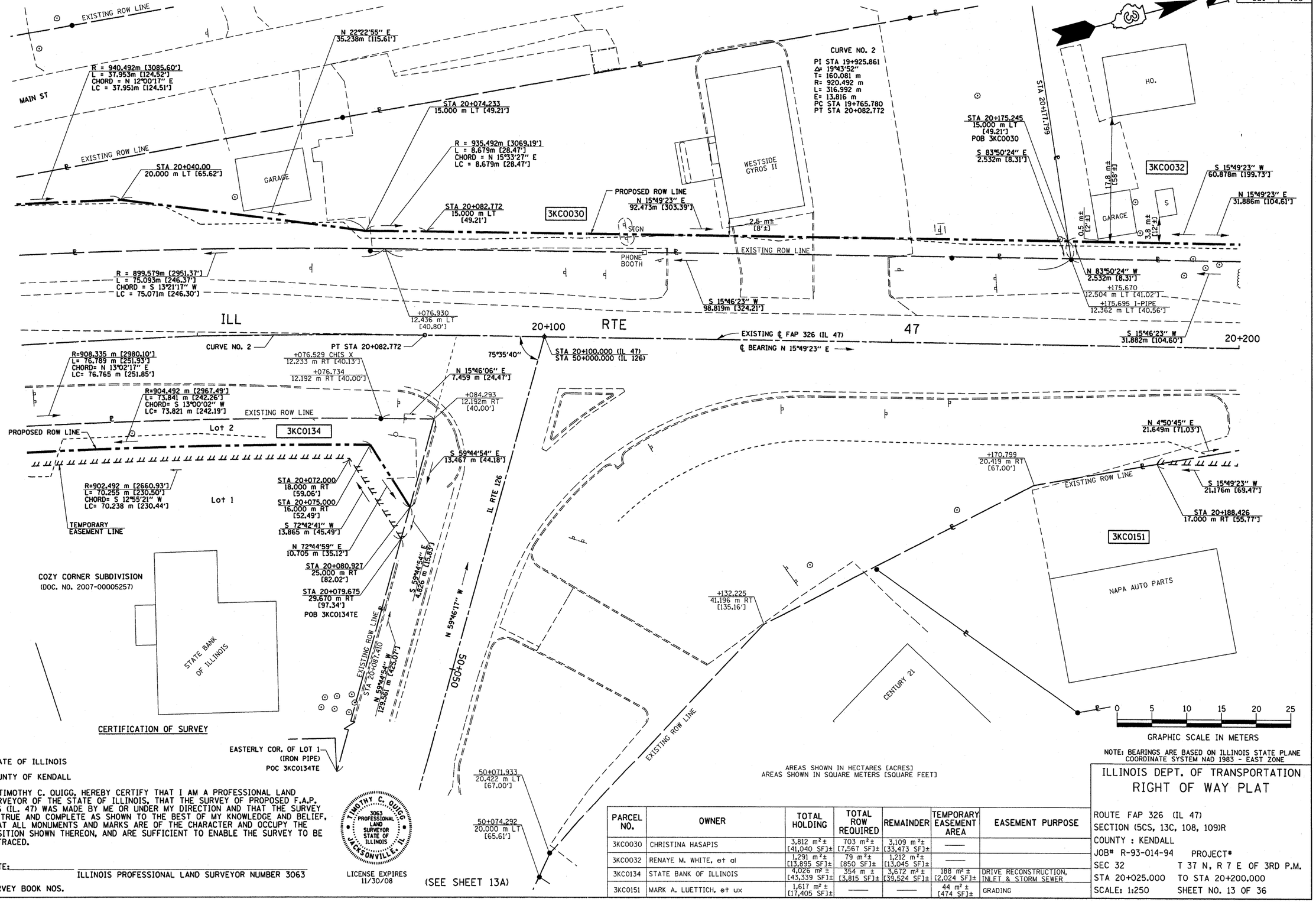
ILLINOIS DEPT. OF TRANSPORTATION
RIGHT OF WAY PLAT

ROUTE FAP 326 (IL 47)
SECTION (5CS, 13C, 108, 109)R
COUNTY : KENDALL
JOB# R-93-014-94 PROJECT#
SEC 5 T 36 N, R 7 E OF 3RD P.M.
SEC 32 T 37 N, R 7 E OF 3RD P.M.
STA 19+850.000 TO STA 20+025.000
SCALE: 1:250 SHEET NO. 12 OF 36

RECORDED AS DOCUMENT NO. _____ FLAT FILE _____

TOTAL SHEETS	SHEET NO.
931	498

SE ¼, SEC 32, T 37 N, R 7 E, 3RD PM



CERTIFICATION OF SURVEY

STATE OF ILLINOIS

COUNTY OF KENDALL

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DATE:_____ _____
ILLINOIS PROFESSIONAL LAND SURVEYOR NUMBER 3063

SURVEY BOOK NOS.

TIMOTHY C. QUIGG 3063 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS JACKSONVILLE, IL

LICENSE EXPIRES
11/30/08

(SEE SHEET 13A)

EASTERLY COR. OF LOT 1
(IRON PIPE)
POC 3KC0134TE

NOTE: BEARINGS ARE BASED ON ILLINOIS STATE PLANE COORDINATE SYSTEM NAD 1983 - EAST ZONE

AREAS SHOWN IN HECTARES [ACRES]
AREAS SHOWN IN SQUARE METERS [SQUARE FEET]

PARCEL NO.	OWNER	TOTAL HOLDING	TOTAL ROW REQUIRED	REMAINDER	TEMPORARY EASEMENT AREA	EASEMENT PURPOSE
3KC0030	CHRISTINA HASAPIS	3,812 m² ± [41,040 SF]±	703 m² ± [7,567 SF]±	3,109 m² ± [33,473 SF]±	——	
3KC0032	RENAYE M. WHITE, et al	1,291 m² ± [13,895 SF]±	79 m² ± [850 SF]±	1,212 m² ± [13,045 SF]±	——	
3KC0134	STATE BANK OF ILLINOIS	4,026 m² ± [43,339 SF]±	354 m ± [3,815 SF]±	3,672 m² ± [39,524 SF]±	188 m² ± [2,024 SF]±	DRIVE RECONSTRUCTION, INLET & STORM SEWER
3KC0151	MARK A. LUETTICH, et ux	1,617 m² ± [17,405 SF]±	——	——	44 m² ± [474 SF]±	GRADING

ILLINOIS DEPT. OF TRANSPORTATION
RIGHT OF WAY PLAT

ROUTE FAP 326 (IL 47)
SECTION (5CS, 13C, 108, 109)R
COUNTY : KENDALL
JOB# R-93-014-94 PROJECT#
SEC 32 T 37 N, R 7 E OF 3RD P.M.
STA 20+025.000 TO STA 20+200.000
SCALE: 1:250 SHEET NO. 13 OF 36

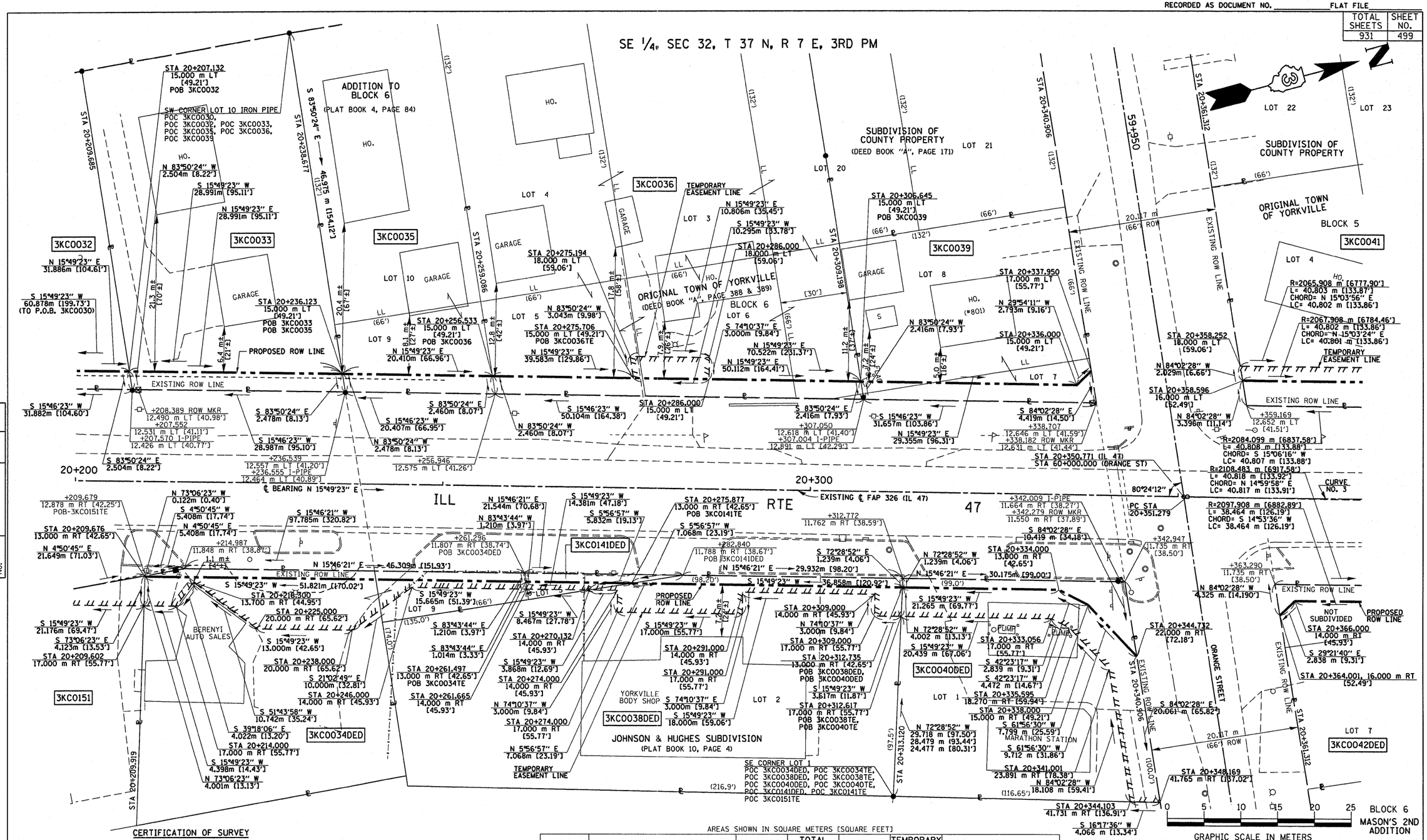
DATE	BY	R.O.W. PLAT	NOTEBOOK NO.

R012

RECORDED AS DOCUMENT NO. _____ FLAT FILE

TOTAL SHEETS	SHEET NO.
931	499

SE 1/4, SEC 32, T 37 N, R 7 E, 3RD PM



DATE	BY	R.O.W. PLAT	NOTEBOOK NO.

CERTIFICATION OF SURVEY

STATE OF ILLINOIS

COUNTY OF KENDALL

I, TIMOTHY C. QUIGG, HEREBY CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR OF THE STATE OF ILLINOIS, THAT THE SURVEY OF PROPOSED F.A.P. 326 (IL. 47) WAS MADE BY ME OR UNDER MY DIRECTION AND THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT ALL MONUMENTS AND MARKS ARE OF THE CHARACTER AND OCCUPY THE POSITION SHOWN THEREON, AND ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED.

DATE:_____ _____
ILLINOIS PROFESSIONAL LAND SURVEYOR NUMBER 3063

SURVEY BOOK NOS.

TIMOTHY C. QUIGG
3063
PROFESSIONAL LAND SURVEYOR
STATE OF ILLINOIS
JACKSONVILLE, IL

LICENSE EXPIRES
11/30/08

AREAS SHOWN IN SQUARE METERS [SQUARE FEET]

PARCEL NO.	OWNER	TOTAL HOLDING	TOTAL ROW REQUIRED	REMAINDER	TEMPORARY EASEMENT AREA	EASEMENT PURPOSE
3KC0033	LARRY L. SIMMONS, et al	1,337 m²± [14,391 SF]±	71 m²± [764 SF]±	1,266 m²± [13,627 SF]±	——	
3KC0034DED	THE OLD SECOND NATIONAL BANK OF AURORA, TRUST NO. 2057	1,074 m²± [11,560 SF]±	58 m²± [624 SF]±	——	195 m²± [2,099 SF]±	DRIVE RECONSTRUCTION AND GRADING
3KC0035	MARTHA L. MOLINA	1,030 m²± [11,087 SF]±	50 m²± [538 SF]±	980 m²± [10,549 SF]±	——	
3KC0036	BIG ROCK REALTY, LLC	2,830 m²± [30,462 SF]±	120 m²± [1,292 SF]±	2,710 m²± [29,170 SF]±	32 m²± [344 SF]±	DRIVE RECONSTRUCTION
3KC0038DED	BANK OF PONTIAC, TRUSTEE	1,886 m²± [20,301 SF]±	41 m²± [441 SF]±	——	102 m²± [1,098 SF]±	DRIVE RECONSTRUCTION AND GRADING
3KC0039	SILAS SEBBY, et al	751 m²± [8,084 SF]±	77 m²± [829 SF]±	674 m²± [7,255 SF]±	——	
3KC0040DED	PATRICK K. BEARDSLEY, et al	981 m²± [10,559 SF]±	72 m²± [775 SF]±	——	209 m²± [2,250 SF]±	DRIVE RECONSTRUCTION AND GRADING
3KC0141DED	OSCAR H. JETER, et ux	39 m²± [420 SF]±	22 m²± [237 SF]±	——	11 m²± [118 SF]±	GRADING

NOTE : BEARINGS ARE BASED ON ILLINOIS STATE PLANE COORDINATE SYSTEM NAD 1983 - EAST ZONE

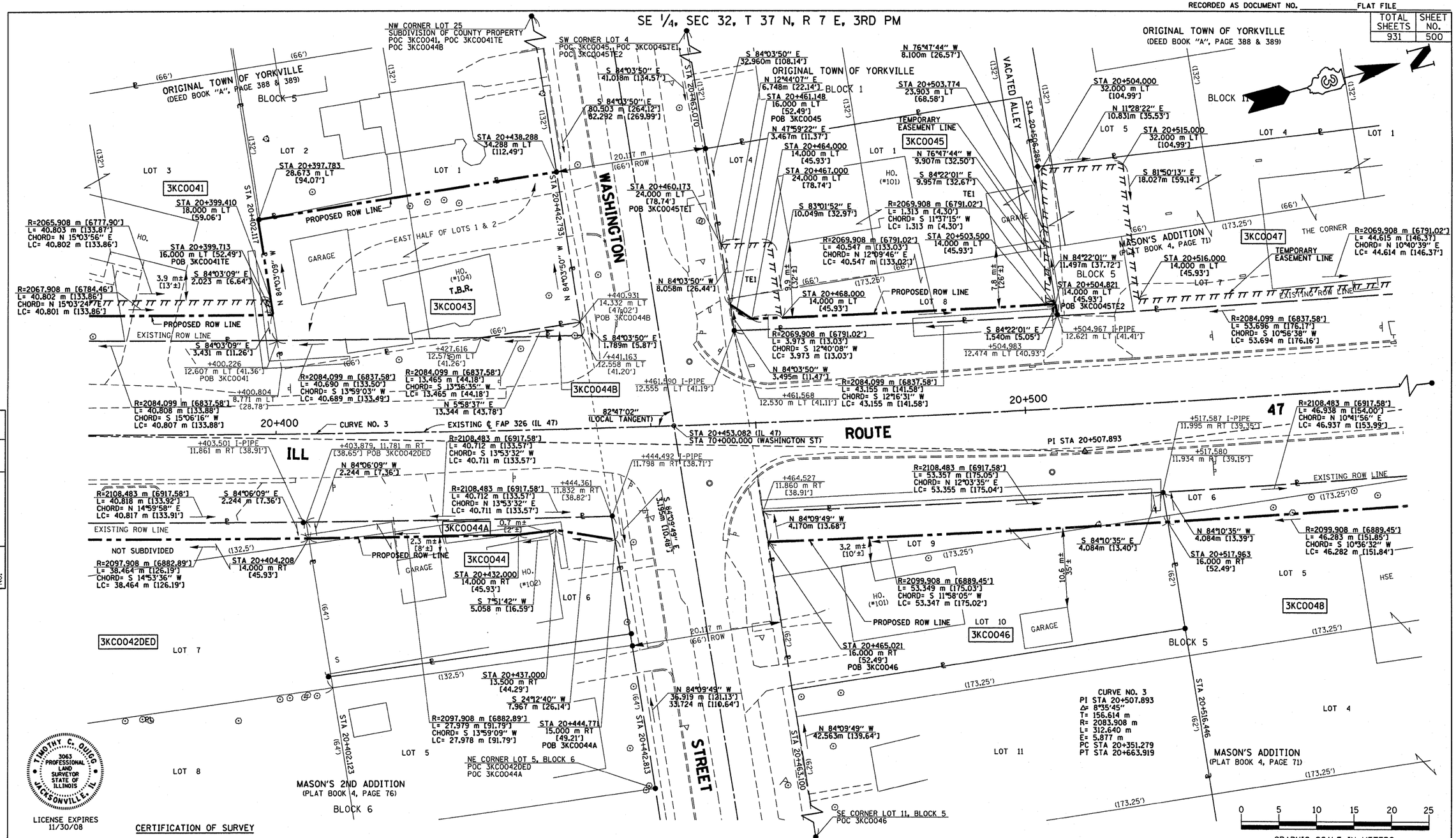
ILLINOIS DEPT. OF TRANSPORTATION
RIGHT OF WAY PLAT

ROUTE FAP 326 (IL 47)
SECTION (5CS, 13C, 108, 109)R
COUNTY : KENDALL
JOB# R-93-014-94 PROJECT#
SEC 32 T 37 N, R 7 E OF 3RD P.M.
STA 20+200.000 TO STA 20+375.000
SCALE: 1:250 SHEET NO. 14 OF 36

RECORDED AS DOCUMENT NO. _____ FLAT FILE _____

TOTAL SHEETS	SHEET NO.
931	500

SE ¼, SEC 32, T 37 N, R 7 E, 3RD PM



DATE	BY	R.O.W. PLAT	NOTEBOOK NO.

TIMOTHY C. QUIGG
3063
PROFESSIONAL LAND SURVEYOR
STATE OF ILLINOIS
JACKSONVILLE, IL

LICENSE EXPIRES
11/30/08

CERTIFICATION OF SURVEY

STATE OF ILLINOIS

COUNTY OF KENDALL

I, TIMOTHY C. QUIGG, HEREBY CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR OF THE STATE OF ILLINOIS, THAT THE SURVEY OF PROPOSED F.A.P. 326 (IL. 47) WAS MADE BY ME OR UNDER MY DIRECTION AND THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT ALL MONUMENTS AND MARKS ARE OF THE CHARACTER AND OCCUPY THE POSITION SHOWN THEREON, AND ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED.

DATE:_____ _____
ILLINOIS PROFESSIONAL LAND SURVEYOR NUMBER 3063

SURVEY BOOK NOS.

R015

AREAS SHOWN IN SQUARE METERS [SQUARE FEET]

PARCEL NO.	OWNER	TOTAL HOLDING	TOTAL ROW REQUIRED	AREA IN EXISTING ROADWAY	NET ROW REQUIRED	REMAINDER	TEMPORARY EASEMENT AREA	EASEMENT PURPOSE
3KC0041	STEVEN L. FAHLMARK, et ux	1,337 m²± [14,391 SF]±	138 m²± [1,485 SF]±	———	138 m²± [1,485 SF]±	1,199 m²± [12,906 SF]±	82 m²± [883 SF]±	GRADING
3KC0042DED	DEAN A. FOSTER, TRUSTEE, et al	1,022 m²± [11,001 SF]±	94 m²± [1,012 SF]±	———	———	———		
3KC0043	DENNIS E. WEBER, et ux	809 m²± [8,708 SF]±	809 m²± [8,708 SF]±	52 m²± [560 SF]±	757 m²± [8,148 SF]±	———	———	
3KC0044	KRISTOFOR LEE DAHL, et ux	752 m²± [8,094 SF]±	TRACT A, 90 m²± [969 SF]± TRACT B, 12 m²± [129 SF]±	———	102 m²± [1,098 SF]±	650 m²± [6,996 SF]±		
3KC0045	MICHAEL E. CROWE, et ux	1,151 m²± [12,389 SF]±	67 m²± [721 SF]±	———	67 m²± [721 SF]±	1,084 m²± [11,668 SF]±	TE*1, 64 m²± [689 SF]± TE*2, 7 m²± [75 SF]±	DRIVE RECONSTRUCTION
3KC0046	DALE CHARLES HENRICKSEN, et al	1,125 m²± [12,109 SF]±	219 m²± [2,357 SF]±	———	219 m²± [2,357 SF]±	906 m²± [9,752 SF]±		
3KC0047	DIVYESH A. PATEL, et al	1,356 m²± [14,596 SF]±	27 m²± [292 SF]±	———	27 m²± [292 SF]±	1,329 m²± [14,304 SF]±	TE*1, 289 m²± [3110 SF]± TE*2, 103 m²± [1108 SF]±	DRIVE RECONSTRUCTION AND GRADING
3KC0048	VERNE LEE HENNE	1,428 m²± [15,371 SF]±	204 m²± [2,195 SF]±	———	204 m²± [2195 SF]±	1,224 m²± [13,176 SF]±	102 m²± [1,102 SF]±	DRIVE RECONSTRUCTION AND GRADING

NOTE: BEARINGS ARE BASED ON ILLINOIS STATE PLANE COORDINATE SYSTEM NAD 1983 - EAST ZONE

ILLINOIS DEPT. OF TRANSPORTATION
RIGHT OF WAY PLAT

ROUTE FAP 326 (IL 47)
SECTION (5CS, 13C, 108, 109)R
COUNTY : KENDALL
JOB* R-93-014-94 PROJECT#
SEC 32 T 37 N, R 7 E OF 3RD P.M.
STA 20+375.000 TO STA 20+550.000
SCALE: 1:250 SHEET NO. 15 OF 36