CITY OF McPHERSON

2015 Street Improvements

Avenue "A" & Treatment Plant Road

PW-011-01 - Avenue "A"
PW-011-02 - Treatment Plant Road

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UTILITIES

KANSAS ONE CALL: 1-800-DIG-SAFE

CALL BEFORE YOU DIG
IT'S THE LAW
1-800-344-7233
WICHITA: 687-2470
ONE CALL KANSAS

Cable TV: COX Communications
Mr. Jess Parker
316-260-7740

Electric: Board of Public Utilities
401 W. Kansas Avenue
McPherson, KS 67460
Mr. Joe Mitchell
620-245-2560

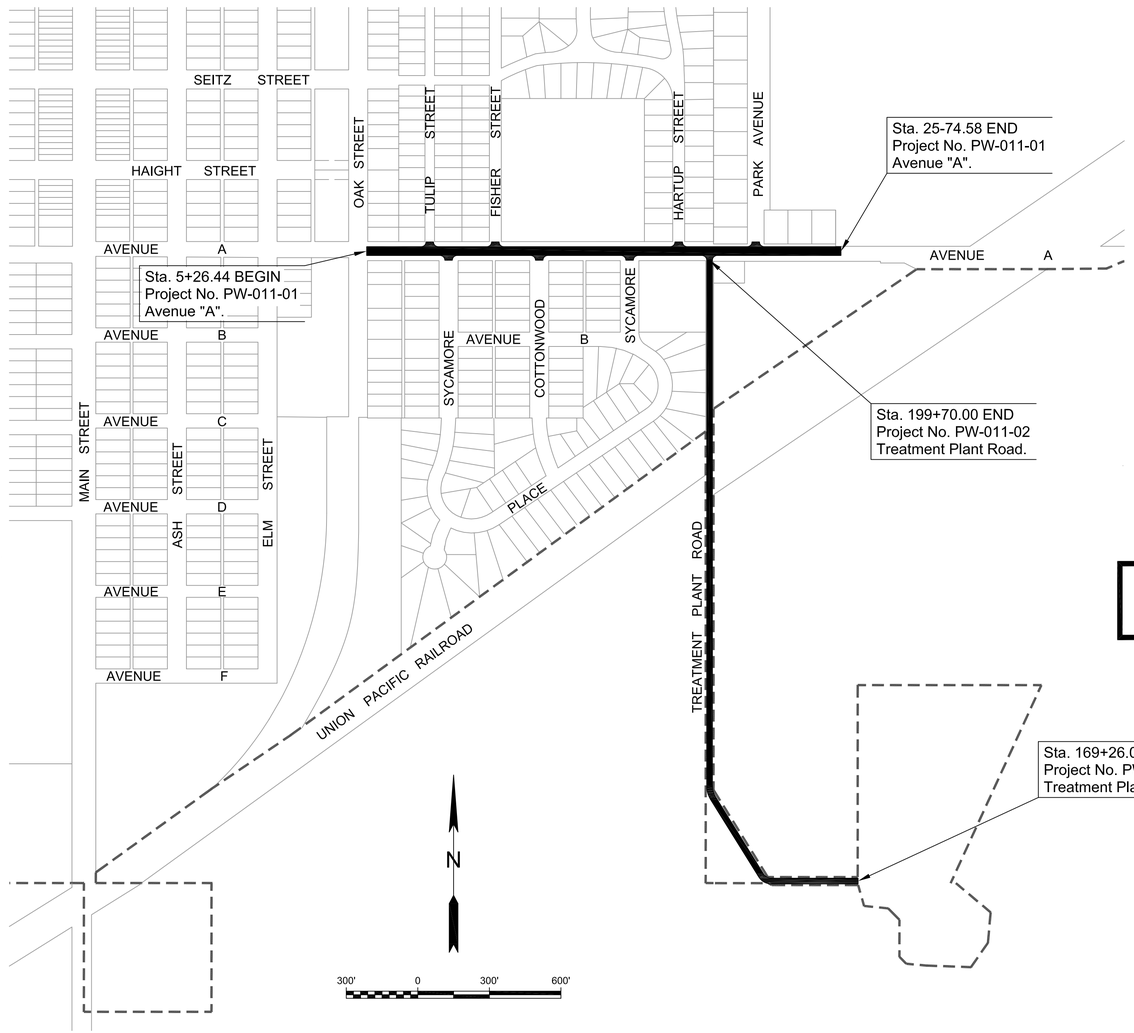
Gas: Kansas Gas Service
1644 W. Kansas Avenue
McPherson, KS 67460
620-241-0837

Sanitary Sewer: City of McPherson
400 E. Kansas Avenue
McPherson, KS 67460
Mr. Jeff Woodward
620-245-2545

Storm Sewer: City of McPherson
400 E. Kansas Avenue
McPherson, KS 67460
Mr. Jeff Woodward
620-245-2545

Telephone: A T & T
Ms. Patti Krebaum
620-665-1939

Water: Board of Public Utilities
401 W. Kansas Avenue
McPherson, KS 67460
Mr. Allen Elsasser
620-245-2560



CONTRACTOR SHALL COORDINATE WITH BOARD OF PUBLIC UTILITIES (BPU) ON WATER SERVICE LINE ADJUSTMENTS.

DATE SUBMITTED
02-06-2015

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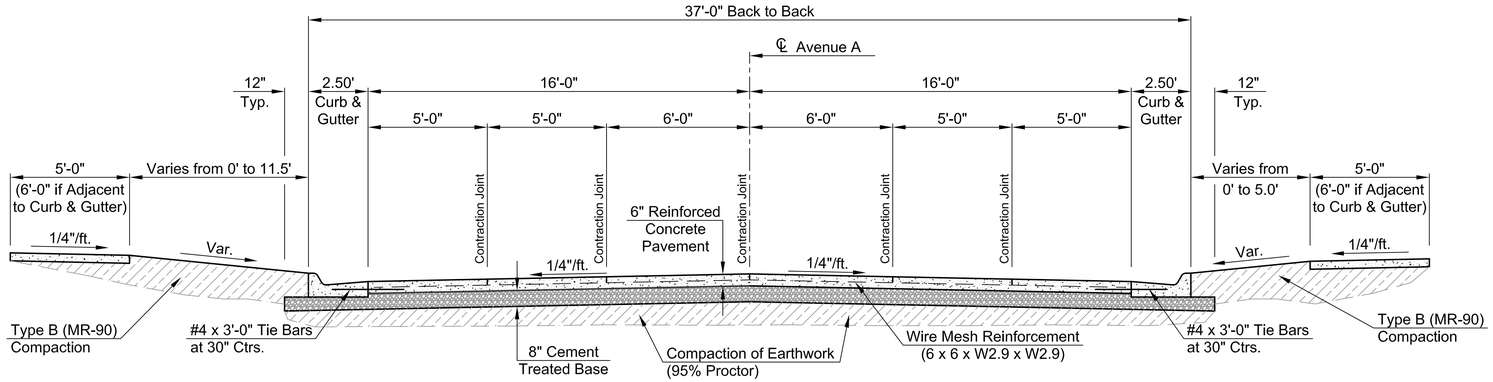
NO.	REVISIONS	DATE	INITIALS

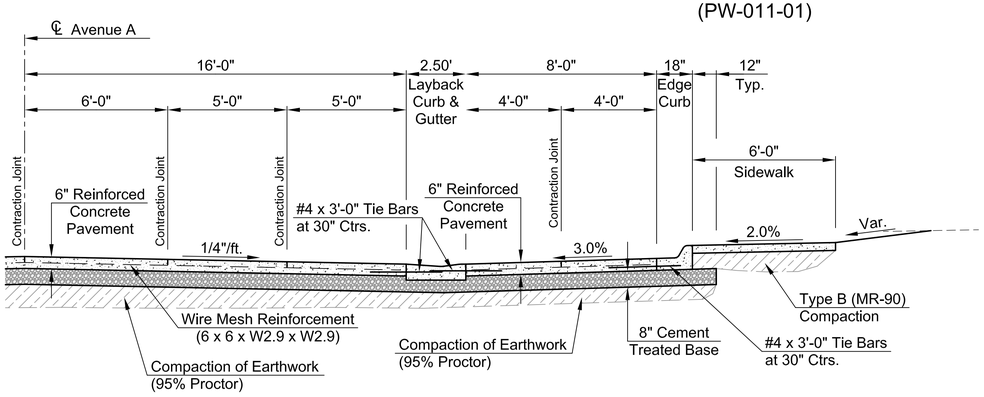
AVENUE "A" & TREATMENT PLANT ROAD
2015 STREET IMPROVEMENTS
McPHERSON, KANSAS

TITLE SHEET

Engineer:	J.T.S.
Drafter:	D.G.R.
Check:	S.L.A.
Date:	02-06-2015
Project No.	13-1443H
Sht. No.	1
Total Shts.	73

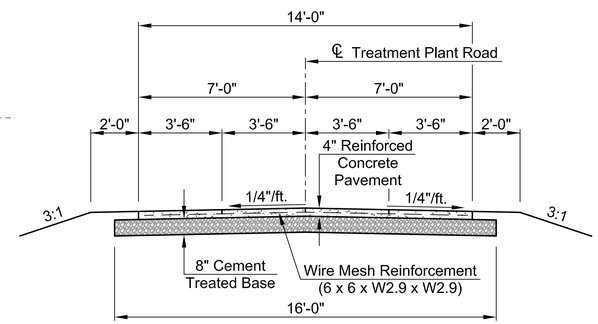


TYPICAL SECTION AVENUE "A" - STA. 5+48.80 TO STA. 25+74.58
(PW-011-01)

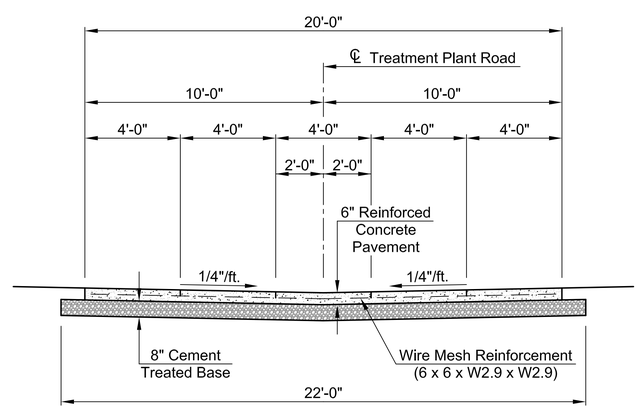


TYPICAL SECTION AVENUE "A" - STA. 16+85.93 TO STA. 19+44.34
(PW-011-01)

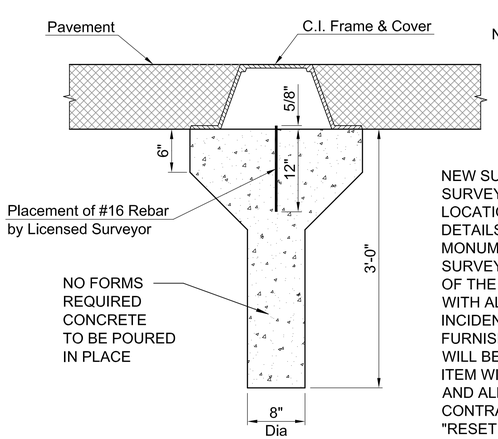
NOTE: See Typical Section Avenue "A" Sta. 5+48.80 to Sta. 25+74.58 for Dimensions and Information Left of Centerline



TYPICAL SECTION TREATMENT PLANT ROAD
(STA. 169+26.00 TO STA. 191+72.76)
(PW-011-02)



TYPICAL SECTION TREATMENT PLANT ROAD
(STA. 193+00.00 TO STA. 199+70.00)
(PW-011-02)



NOTE: The existing monument frame and cover shall be saved and reused at the location indicated in the plans.

NEW SURVEY MONUMENTS TO REPLACE EXISTING SURVEY MONUMENTS SHALL BE SET AT THE LOCATIONS AND IN CONFORMANCE WITH THE DETAILS OF THIS DETAIL SHEET. TIES TO EXISTING MONUMENTS WILL BE TAKEN BY A LICENSED SURVEYOR PRIOR TO CONSTRUCTION. PLACEMENT OF THE IRON SHALL BE BY A LICENSED SURVEYOR WITH ALL OTHER LABOR, MATERIALS, AND INCIDENTALS FOR THE NEW MONUMENT BEING FURNISHED BY THE CONTRACTOR. THE CONTRACTOR WILL BE RESPONSIBLE FOR COORDINATION OF THIS ITEM WITH THE CITY OF MCPHERSON. THIS WORK AND ALL MATERIALS SHALL BE BID FOR AT THE CONTRACT UNIT BID PRICE FOR "RESET MONUMENT BOX" PER EACH.

RESET MONUMENT BOX

GENERAL NOTES

1. SPECIFICATIONS FOR MOST OF THE WORK TO BE PERFORMED ON THIS PROJECT ARE LOCATED IN THE "PROJECT SPECIFICATIONS" WHICH CAN BE OBTAINED FROM BG CONSULTANTS, INC. PROJECT WILL COMPLY WITH THE CITY OF McPHERSON SPECIFICATIONS.
2. IF DISCOVERED DURING THE BID OR CONSTRUCTION PHASE OF THE PROJECT THAT SPECIFICATIONS FROM THE "PROJECT SPECIFICATIONS" AND THE "CITY OF McPHERSON SPECIFICATIONS" BOTH ADDRESS AN ITEM ASSOCIATED WITH THE CONSTRUCTION OF THE PROJECT AND THOSE SPECIFICATIONS DIFFER, THE SPECIFICATIONS LOCATED IN THE "PROJECT SPECIFICATIONS" SHALL GOVERN.
3. THE CONTRACTOR SHALL MAINTAIN ACCESS TO RESIDENCES TO THE EXTENT FEASIBLE DURING CONSTRUCTION. THE CONTRACTOR SHALL USE MATERIAL PROVIDED BY THE CITY TO RESTORE ACCESS TO RESIDENCES AT THE END OF THE WORK DAY. SUCH WORK SHALL BE CONSIDERED SUBSIDIARY. THE CEMENT SLURRY BASE MAY BE CONSIDERED SUFFICIENT FOR TEMPORARY ACCESS, ONCE CURED. MATERIAL IS LOCATED AT 1340 TREATMENT PLANT ROAD. CONTRACTOR IS RESPONSIBLE FOR TRANSPORTING MATERIALS.
4. NOTIFICATIONS: THE CONTRACTOR SHALL NOTIFY POLICE/SHERIFF, FIRE AND EMERGENCY PREPAREDNESS DEPARTMENTS PRIOR TO BLOCKING OR RESTRICTING TRAFFIC ON ANY STREET. THE CONTRACTOR SHALL NOTIFY ALL LANDOWNERS IN WRITING AT LEAST TWO (2) WEEKS PRIOR TO ANY CONSTRUCTION ACTIVITIES WHICH WOULD TAKE PLACE ADJACENT TO THEIR PROPERTY. INDIVIDUAL DETAILED NOTICES OF ACCESS RESTRICTIONS SHALL BE HAND DELIVERED 48 HOURS PRIOR TO RESTRICTIONS PUT IN PLACE.
5. THE CONTRACTOR SHALL CONFINE CONSTRUCTION OPERATIONS TO WITHIN THE EASEMENTS, RIGHTS-OF-WAY AND/OR PROPERTY AS SHOWN ON THE PLANS. REPLACEMENT OF LOT PINS OR BOUNDARY MARKERS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, SHOULD HE DISTURB THEM.
6. UTILITIES: UTILITY LOCATIONS AS SHOWN WERE COMPLETED WITH THE BEST INFORMATION AVAILABLE TO THE ENGINEER AT THE TIME OF PLAN PREPARATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING, IDENTIFYING AND MAKING HIS OWN DETERMINATIONS OF SUBSURFACE CONDITIONS. NO DIRECT PAYMENT WILL BE MADE FOR ABANDONED UTILITY REMOVAL. SUCH WORK SHALL BE CONSIDERED SUBSIDIARY. THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE UTILITY COMPANIES FOR LOCATION OF EXISTING UTILITIES. ANY DAMAGE TO UTILITY LINES CAUSED BY THE CONTRACTOR'S CONSTRUCTION OPERATIONS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
7. MAINTENANCE OF SURFACE DRAINAGE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
8. THE CONTRACTOR SHALL REMOVE AND RESET MAILBOXES AS REQUIRED FOR CONSTRUCTION WITHOUT DAMAGING. SUCH WORK SHALL BE CONSIDERED SUBSIDIARY TO RELATED ITEMS OF WORK.
9. THE CONTRACTOR SHALL RECEIVE THE APPROVAL OF THE OWNER PRIOR TO REMOVING ANY ITEM NOT SPECIFIED TO BE REMOVED. ANY SUCH ITEM REMOVED WITHOUT THE APPROVAL OF THE OWNER OR FOR CONSTRUCTION CONVENIENCE SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
10. TREES MARKED WITH AN "X" ARE TO BE REMOVED. ALL OTHER TREES SHALL NOT BE DISTURBED WITHOUT THE APPROVAL OF THE ENGINEER / CITY.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING, IDENTIFYING AND MAKING THEIR OWN DETERMINATIONS OF SUBSURFACE CONDITIONS. NO DIRECT PAYMENT WILL BE MADE FOR ABANDONED UTILITY REMOVAL OR DEWATERING. SUCH WORK SHALL BE CONSIDERED SUBSIDIARY.
12. ALL ASPHALT AND CONCRETE TO BE REMOVED SHALL BE NEATLY SAW CUT. SAW CUTS SHALL BE FULL DEPTH AND SHALL BE SUBSIDIARY TO RELATED BID ITEMS. PAVEMENT REMOVAL AND REPLACEMENT LIMITS SHALL BE AS SHOWN ON THE PLANS. IF THE CONTRACTOR EXCEEDS THOSE LIMITS WITHOUT THE APPROVAL OF THE ENGINEER, IT SHALL BE AT HIS EXPENSE.
13. ALL DISPOSAL SITES MUST BE APPROVED BY THE KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT. MATERIALS EITHER STOCKPILED OR DISPOSED OF IN A FLOOD PLAIN WOULD REQUIRE KANSAS DEPARTMENT OF AGRICULTURE APPROVAL. ANY MATERIAL DUMPED IN WATERS OF THE UNITED STATES OR WETLANDS IS SUBJECT TO U.S. CORPS OF ENGINEERS PERMITTING REGULATIONS.
14. STATION AND OFFSET INFORMATION FOR STORM DRAINAGE STRUCTURES (INLETS AND MANHOLES) IS GIVEN TO THE CENTER OF THE STRUCTURE.
15. ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY TO MAKE CONNECTIONS TO EXISTING PIPE OR CONNECTIONS TO EXISTING STRUCTURES SHALL NOT BE PAID FOR DIRECTLY, BUT SHALL BE CONSIDERED SUBSIDIARY TO THE RELATED BID ITEM. REMOVING AND REPLACING CONCRETE INVERTS IN EXISTING STRUCTURES TO FACILITATE POSITIVE DRAINAGE OF NEW PIPE CONNECTIONS SHALL ALSO BE CONSIDERED SUBSIDIARY TO THE RELATED BID ITEM.
16. EXCESS MATERIAL WILL BE STOCKPILED AT THE STREET DEPARTMENT'S OFFSITE STORAGE, 1340 TREATMENT PLANT ROAD. MILLINGS FOR TEMPORARY SURFACING ARE AVAILABLE AT THIS LOCATION AS WELL.
17. EXISTING PERMANENT TRAFFIC CONTROL SIGNS WILL BE REMOVED AND RESET OR COVERED BY OTHERS.
18. SUBGRADE PREPARATION WORK SHALL BE COORDINATED WITH THE CITY TO ENSURE AN ADEQUATE NUMBER OF UNINTERRUPTED WORKING DAYS WITH FAVORABLE CONDITIONS TO COMPLETE THIS PHASE OF CONSTRUCTION AND MAINTAIN ACCESSIBILITY FOR RESIDENTS AND EMERGENCY RESPONDERS. SUBGRADE SHALL BE TRIMMED TO FINAL GRADE AND APPROVED BY THE CITY PRIOR TO BATCHING THE CEMENT SLURRY MIXTURE.
19. BID ITEM "ADJUST SANITARY SEWER MANHOLE" SHALL INCLUDE REPLACING THE EXISTING RING AND LID WITH A DEETER 1010 24" RING AND LID. REMOVED RING AND LID SHALL GO TO THE CITY.
20. AVENUE "A" AND TREATMENT PLANT ROAD SHALL BE PAID FOR UNDER SEPARATE CONTRACTS.
21. CONTRACTOR IS RESPONSIBLE FOR ACQUIRING THE NECESSARY INSURANCE FOR WORKING ON RAILROAD RIGHT OF WAY (PW-011-02).
22. ALL AREAS DISTURBED WILL BE SEEDED AND COVERED WITH EROSION CONTROL MAT (CLASS 1 TYPE A).

SURVEY CONTROL - COORDINATE SCHEDULE

Ref.	Description	Station	Offset	Northing	Easting
-	NW Cor. 33-19-3	-	-	1,930,756.70	1,551,210.49
924	Control Point	5+03.10	28.17' Rt.	1,930,757.12	1,552,353.73
925	Control Point	10+53.56	21.31' Rt.	1,930,767.43	1,552,904.14
926	Control Point	13+85.80	22.40' Rt.	1,930,768.43	1,553,236.38
927	Control Point	16+74.44	19.45' Rt.	1,930,773.20	1,553,524.99
-	N 1/4 Cor. 33-19-3	20+00.00	0.00' Rt.	1,930,794.69	1,553,850.43
928	Control Point	20+12.35	24.51' Lt.	1,930,819.44	1,553,862.31
929	Control Point	26+08.95	28.00' Rt.	1,930,778.50	1,554,459.81
911	Control Point	26+74.91	33.07' Rt.	1,930,774.71	1,554,525.85
910	Control Point	27+99.88	49.97' Rt.	1,930,760.23	1,554,651.12
-	NE Cor. 33-19-3	-	-	1,930,845.92	1,556,494.66
-	W 1/4 Cor. 33-19-3	-	-	1,928,210.11	1,556,519.20

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NO.	REVISIONS	DATE	INITIALS

AVENUE "A" & TREATMENT PLANT ROAD
2015 STREET IMPROVEMENTS
McPHERSON, KANSAS

TYPICAL SECTIONS

Engineer: J.T.S.
Drafter: D.G.R.
Check: S.L.A.
Date: 02-06-2015
Project No. 13-1443H
Sht. No. 2
Total Shts. 73

Construction Limits = Existing City R/W

Possible Light Pole Location
Min. 6' off Back of Curb

Sta. 6+77.0, 38.6' Lt. Construct Inlet-Manhole (Special)(4'x3') w/1-Deeter 3024 Grate & Frame. Install 24" x 16 L.F. RCP Storm Sewer (S). Connect to Existing 18" RCP Storm Sewer (N). See Sheet No. 23, 25 & 27.

Sta. 6+77.0, 16.0' Lt. Construct Type 22 Curb Inlet (6'x4')(Setback). Install 3.3 Sq. Ft. x 49 L.F. RCPHE Storm Sewer (SW). See Sheet No. 22, 25 & 28.

Sta. 6+94.7, 8.2' Lt. Adjust Sanitary Sewer Manhole to Final Grade.

Sta. 5+26.44 BEGIN Avenue A Reconstruction. Match Existing Pavement and Curb & Gutter Lt. & Rt.

80' R/W

OAK STREET

TULIP STREET

40' R/W

℄ Sta. 8+89.10 Avenue A = ℄ Sta. 60+00.00 Sycamore Place (W)

+53.4 Ent. Lt. W = 16.0'

+19.7 Ent. Lt. W = 18.0'

+04.0 Ent. Lt. W = 14.0'

+53.2 Ent. Lt. W = 12.0'

Exist. R/W

Grade to Drain

AVENUE A

37'-0" B-B

8.2'

MATCH LINE STA. 10+00.00 - SEE SHEET NO. 4.

BM#13-7

CP #924

10'

Temp. Const. Easement

+40.10

Remove Existing Storm Sewer

+50.10

FL=1483.90

+00.7 Ent. Rt. W = 12.0'

+70.2 Ent. Rt. W = 26.0'

℄ Sta. 8+09.19 Avenue A = ℄ Sta. 50+00.00 Tulip Street

SYCAMORE PLACE

80' R/W

Sta. 9+53.0, 10.3' Lt. Adjust Sanitary Sewer Manhole to Final Grade.

Sta. 9+28.0, 16.0' Rt. Construct Type 22 Curb Inlet (5'x8') Install 10.2 Sq. Ft. x 74 L.F. RCPHE Storm Sewer (W). See Sheet No. 22, 25 & 28.

Sta. 5+36.0, 16.0' Rt. Construct Type 22 Curb Inlet (6'x8'). Install 48" x 16 L.F. RCP Storm Sewer with End Section (S). See Sheet No. 22, 25 & 27.

Sta. 6+50.0, 16.0' Rt. Construct Type 22 Curb Inlet (6'x9') Install 12.9 Sq. Ft. x 110 L.F. RCPHE Storm Sewer (W). See Sheet No. 22, 25 & 28.

Sta. 8+50.0, 16.0' Rt. Construct Type 22 Curb Inlet (5'x8') Install 10.2 Sq. Ft. x 196 L.F. RCPHE Storm Sewer (W). See Sheet No. 22, 25 & 28.

N

PLAN: Lat. & Long.
PROFILE: Horiz. same as above
Vert.

BM#13-7 - "□" Cut on Corner of Storm Sewer Inlet 21.7' Rt., Sta. 4+89.3 Elevation = 1491.47

40' V.C. | 110' V.C. | 50' V.C.

+49.0 P.V.I. Elev. = 1490.66

+50.0 P.V.I. Elev. = 1488.49

+09.19 ℄ Tulip Street

+45.0 P.V.I. Elev. = 1490.01

+89.10 ℄ Sycamore Pl.

-1.05%

-2.15%

Proposed Grade

Existing Ground

+0.78%

+0.30%

FL=1483.94

FL=1484.14

FL=1484.31

FL=1484.30

FL=1484.38

FL=1484.50

FL=1485.25

FL=1485.75

FL=1485.45

1494 1492 1490 1488 1486 1484 1482 1480

1490.87 +29.0 PVC
1490.61 +49.0 PVI
1490.59 +50.0
1490.25 +69.0 PVT
1490.10 +75.0
1489.67 +95.0 PVC
1489.57
1489.15 +25.0
1488.89 +50.0 PVI
1488.80 +75.0
1488.88
1488.92 +05.0 PVT
1489.08 +25.0
1489.27 +50.0
1489.47 +75.0
1489.66
1489.73 +09.19
1489.82 +20.0 PVC
1489.86 +25.0
1489.99 +45.0 PVI
1490.01 +50.0
1490.09 +70.0 PVT
1490.10 +75.0
1490.14 +89.10
1490.18
1490.25 +25.0
1490.33 +50.0
1490.40 +75.0
1490.48

4 5 6 7 8 9 10

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NO.	REVISIONS	DATE	INITIALS

AVENUE "A" & TREATMENT PLANT ROAD
2015 STREET IMPROVEMENTS
McPHERSON, KANSAS

AVENUE "A" PLAN & PROFILE
Sta. 4+00.00 to Sta. 10+00.00

Engineer: J.T.S.
Drafter: D.G.R.
Check: S.L.A.
Date: 12-12-2014
Project No. 13-1443H
Sht. No. 3
Total Shts. 73

Construction Limits = City R/W unless otherwise indicated

Possible Light Pole Location Min. 6' off Back of Curb

50' R/W

71 FISHER STREET

Sta. 11+05.5, 9.0' Lt. Adjust Sanitary Sewer Manhole to Final Grade.

Sta. 13+11.0, 16.0' Lt. Construct Type 22 Curb Inlet (5'). Install 15" x 37 L.F. RCP Storm Sewer (S). See Sheet No. 22, 25 & 27.

+58.0 Ent. Lt. W = 16.0'

℄ Sta. 12+69.88 Avenue A = ℄ Sta. 80+00.00 Cottonwood

Existing R/W

MATCH LINE STA. 10+00.00 - SEE SHEET NO. 3.

MATCH LINE STA. 15+00.00 - SEE SHEET NO. 5.

AVENUE A

10 70 11 12 80 13 14

37'-0" B-B

CP #926

+23.0 Ent. Rt. W = 14.0'

+79.2 Ent. Rt. W = 12.0'

℄ Sta. 10+83.33 Avenue A = ℄ Sta. 70+00.00 Fisher Street

Sta. 10+65.7, 16.0' Rt. Construct Type 22 Curb Inlet (5'x7'). Install 42" x 134 L.F. RCP Storm Sewer (W). See Sheet No. 22, 25 & 27.

Sta. 12+29.0, 16.0' Rt. Construct Type 22 Curb Inlet (5'x6'). Install 30" x 160 L.F. RCP Storm Sewer (W). See Sheet No. 22, 25 & 27.

+53.8 Ent. Lt. W = 12.0'

Sta. 13+11.0, 16.0' Rt. Construct Type 22 Curb Inlet (5'x6'). Install 4.1 Sq. Ft. x 79 L.F. RCPHE Storm Sewer (W). See Sheet No. 22, 25 & 28.

Proposed R/W

+60.7 Ent. Rt. W = 12.0'

10' Construction Easement

Sta. 14+80.0 to Sta. 16+00.0, Lt. Remove Row of Trees (Subsidiary to Clearing & Grubbing)

80' R/W

79 COTTONWOOD

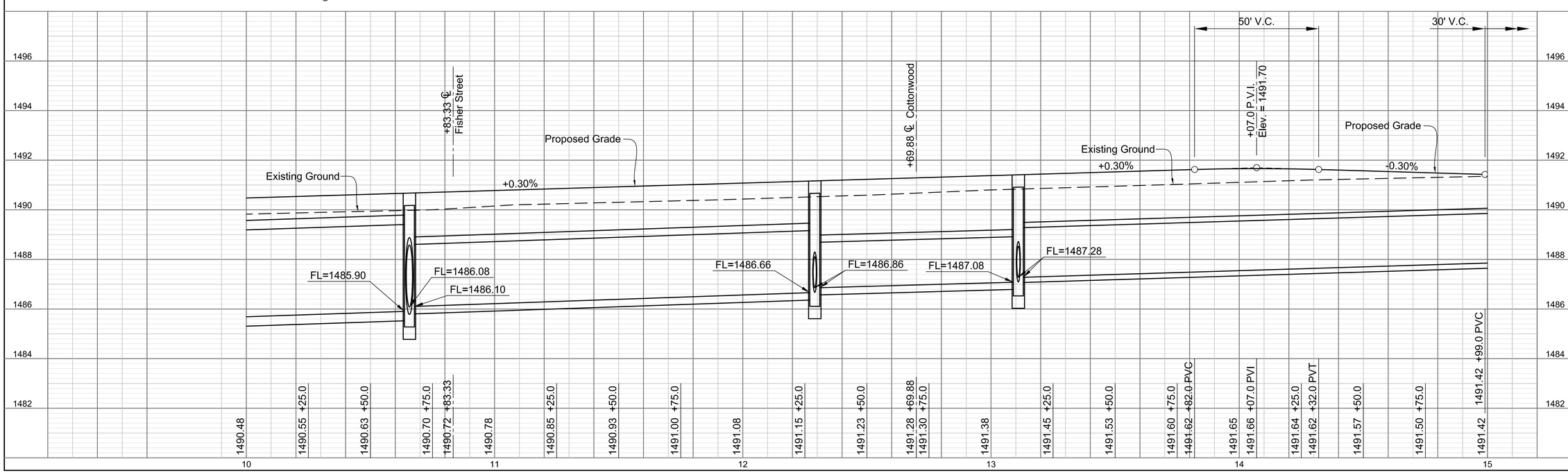
12'

N

PLAN: Lat. & Long.
PROFILE: Horiz. same as above
Vert.

20' 0 20' 40'

2' 0



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NO.	REVISIONS	DATE	INITIALS

AVENUE "A" & TREATMENT PLANT ROAD
2015 STREET IMPROVEMENTS
McPHERSON, KANSAS

AVENUE "A" PLAN & PROFILE
Sta. 10+00.00 to Sta. 15+00.00

Engineer: J.T.S.
Drafter: D.G.R.
Check: S.L.A.
Date: 12-12-2014
Project No. 13-1443H
Sht. No. 4
Total Shts. 73

Construction Limits = City R/W unless otherwise indicated

Possible Light Pole Location
Min. 6' off Back of Curb

Sta. 15+14.0, 16.0' Lt. Construct Type 22 Curb Inlet (5').
Install 15" x 37 L.F. RCP Storm Sewer (S).
See Sheet No. 22, 25 & 27.

℄ Sta. 16+50.34
Avenue A =
℄ Sta. 90+00.00
Sycamore Place (E)

+93.1 Ent. Lt.
W = 20.0'

Exist. R/W

Proposed R/W

50' R/W

HARTUP STREET

101

S1/4 Cor. Sec. 28,
T19S, R3W.

℄ Sta. 19+83.72
Avenue A =
℄ Sta. 200+00.00
Treatment Plant Road

Fence to be adjusted
by Others.

Sta. 20+00.00 Reset
Monument Box.
See Sheet No 2 for Detail.

MATCH LINE STA. 15+00.00 - SEE SHEET NO. 4.

MATCH LINE STA. 21+00.00 - SEE SHEET NO. 6.

AVENUE A

15 16 17 18 19 20

90 100 200

37'-0" B-B

41'

CP #927

CP #928

BM#13-5

BM#14

10' Construction
Easement

Exist.
R/W

Prop.
R/W

N

+45.1 Ent. Rt.
W = 18.2'

Sta. 14+80.0 to
Sta. 16+00.0, Lt.
Remove Row of Trees
(Subsidiary to
Clearing & Grubbing)

Sta. 15+14.0, 16.0' Rt. Construct Type 22 Curb Inlet (5').
Install 24" x 200 L.F. RCP Storm Sewer (W).
See Sheet No. 22, 25 & 27.

SYCAMORE PLACE

78' R/W

89

Temporary
Construction Esm't

℄ Sta. 18+53.68
Avenue A =
℄ Sta. 100+00.00
Hartup Street

Exist. Property Line

TREATMENT PLANT ROAD

199

35'

+31.1 Ent. Rt.
W = 19.0'

PLAN: Lat. & Long.
PROFILE: Horiz. same as above
Vert.

20' 0 20' 40'

2 0

30' V.C.

20' V.C.

200' V.C.

+14.0 P.V.I.
Elev. = 1491.38

+99.0

+50.34 ℄
Sycamore Place

+53.68 ℄
Hartup Street

+75.0 P.V.I.
Elev. = 1492.46

+83.72 ℄
Treatment Plant Road

+89.0 P.V.I.
Elev. = 1493.60

Proposed Grade

Existing Ground

+0.30%

+0.30%

+0.53%

FL=1488.09

FL=1487.89

1498 1496 1494 1492 1490 1488 1486 1484

1491.42 +00.0
1491.40 +14.0 PVI
1491.41 +25.0
1491.42 +29.0 PVT
1491.49 +50.0
1491.56 +75.0
1491.64
1491.71 +25.0
1491.79 +50.0
1491.79 +50.34
1491.86 +75.0
1491.94
1492.01 +25.0
1492.09 +50.0
1492.16 +75.0
1492.24
1492.31 +25.0
1492.39 +50.0
1492.40 +53.68
1492.43 +65.0 PVC
1492.47 +75.0 PVI
1492.51 +85.0 PVT
1492.59
1492.73 +25.0
1492.86 +50.0
1492.99 +75.0
1493.04 +83.72
1493.07 +89.0 PVC
1493.12
1493.19 +25.0
1493.20 +50.0
1493.14 +75.0
1493.08 +89.0 PVI
1493.02

15 16 17 18 19 20 21

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NO.	REVISIONS	DATE	INITIALS

AVENUE "A" & TREATMENT PLANT ROAD
2015 STREET IMPROVEMENTS
McPHERSON, KANSAS

AVENUE "A" PLAN & PROFILE
Sta. 15+00.00 to Sta. 21+00.00

Engineer: J.T.S.
Drafter: D.G.R.
Check: S.L.A.
Date: 02-06-2015
Project No. 13-1443H
Sht. No. 5
Total Shts. 73

Construction Limits = Existing City R/W

Possible Light Pole Location
Min. 6' off Back of Curb

70' R/W

PARK STREET

Sta. 21+55.9, 35.1' Lt.
Adjust Existing Water
Valve to Final Grade.

MATCH LINE STA. 21+00.00 - SEE SHEET NO. 5.

Exist. R/W

+98.1 Ent. Lt.
W = 22.0'

+37.5 Ent. Lt.
W = 24.0'

+96.3 Ent. Lt.
W = 34.0'

+12.6 P.I. (Curb)

AVENUE A

37'-0" B-B

48'6"± B-B

40'

℄ = ℄

21 22 23 24 25 26 27

110

CP #929

CP #911

BM#13-2

+51.9 Ent. Rt.
W = 22.0'

+69.3 Ent. Rt.
W = 22.0'

+21.0 P.I. (Curb)

12.4'

10.7'

9.9'

℄ Sta. 21+77.01
Avenue A =
℄ Sta. 110+00.00
Park Street

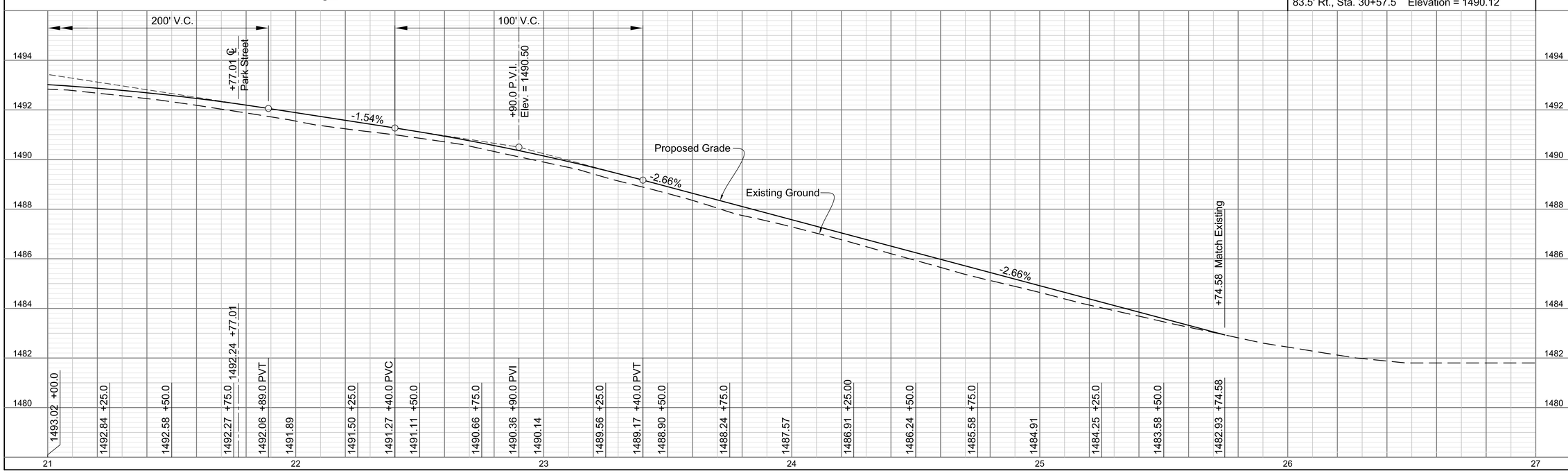
Sta. 25+74.58 END
Avenue A Reconstruction.
Match Existing Pavement
and Curb & Gutter Lt. & Rt.

N

20' 0 20' 40'

PLAN: Lat. & Long.
PROFILE: Horiz. same as above
Vert.

BM#13-2 - "□" Cut on Top of Storm Sewer Inlet 28.2' Rt., Sta. 26+89.5 Elevation = 1481.51
BM#13-8 - "□" Cut on Avenue A Bridge Abutment 25.6' Rt., Sta. 29+26.9 Elevation = 1485.62
BM#13-1 - "□" U.P. R.R. NE Bridge Abutment 83.5' Rt., Sta. 30+57.5 Elevation = 1490.12



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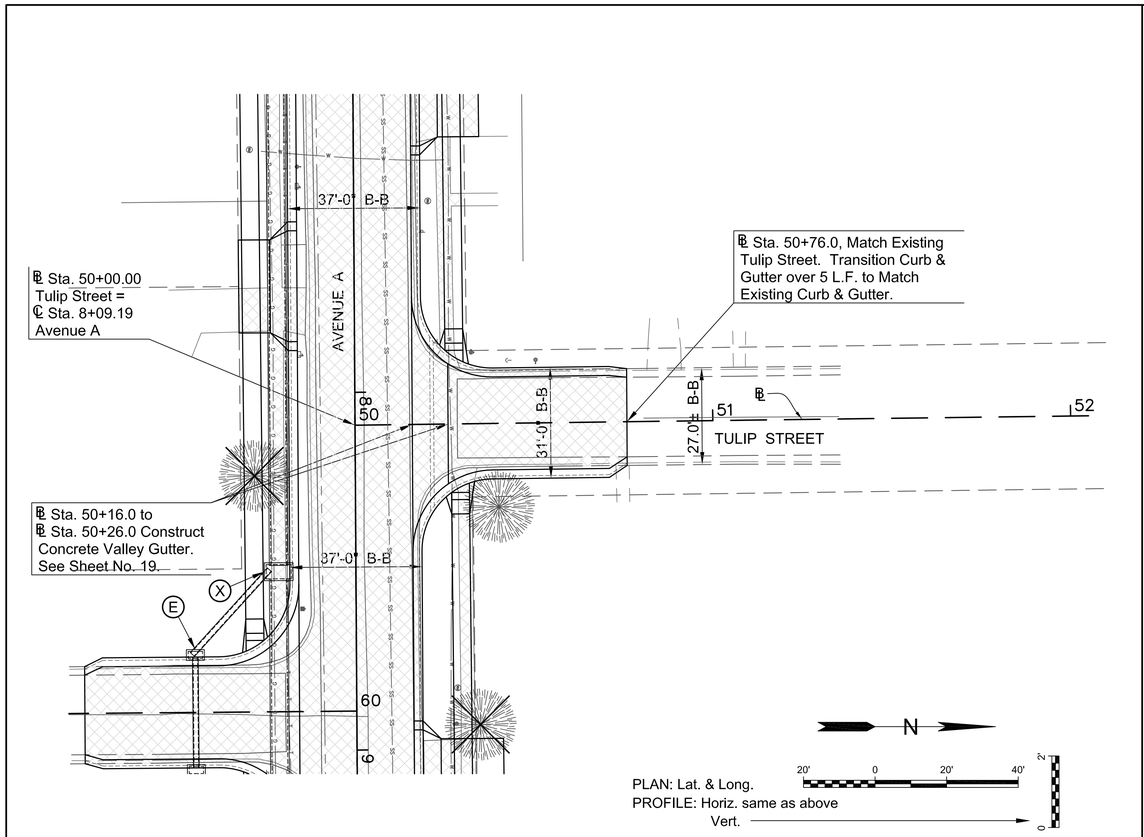
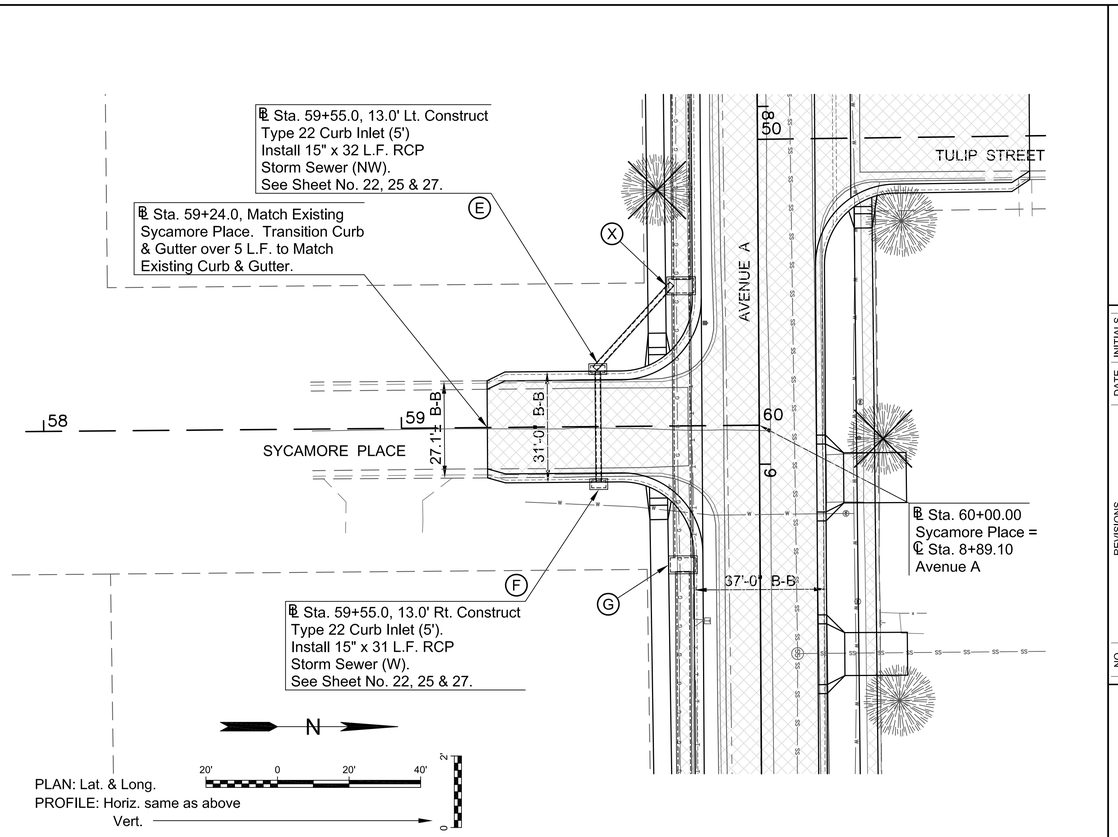
NO.	REVISIONS	DATE	INITIALS

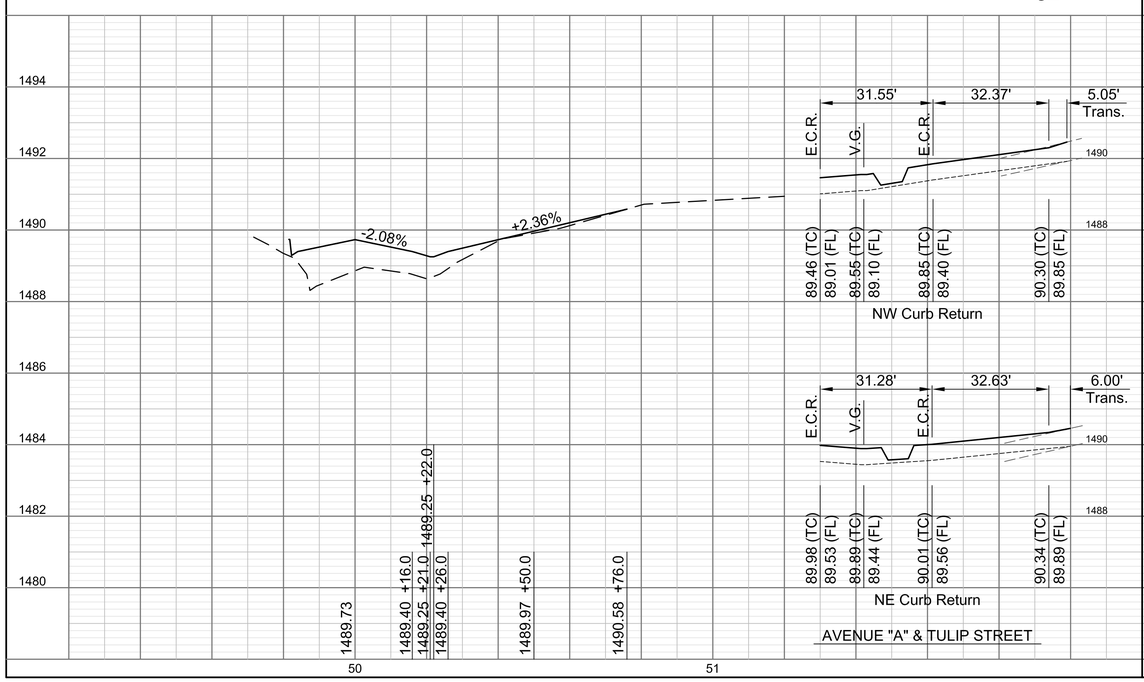
AVENUE "A" & TREATMENT PLANT ROAD
2015 STREET IMPROVEMENTS
McPHERSON, KANSAS

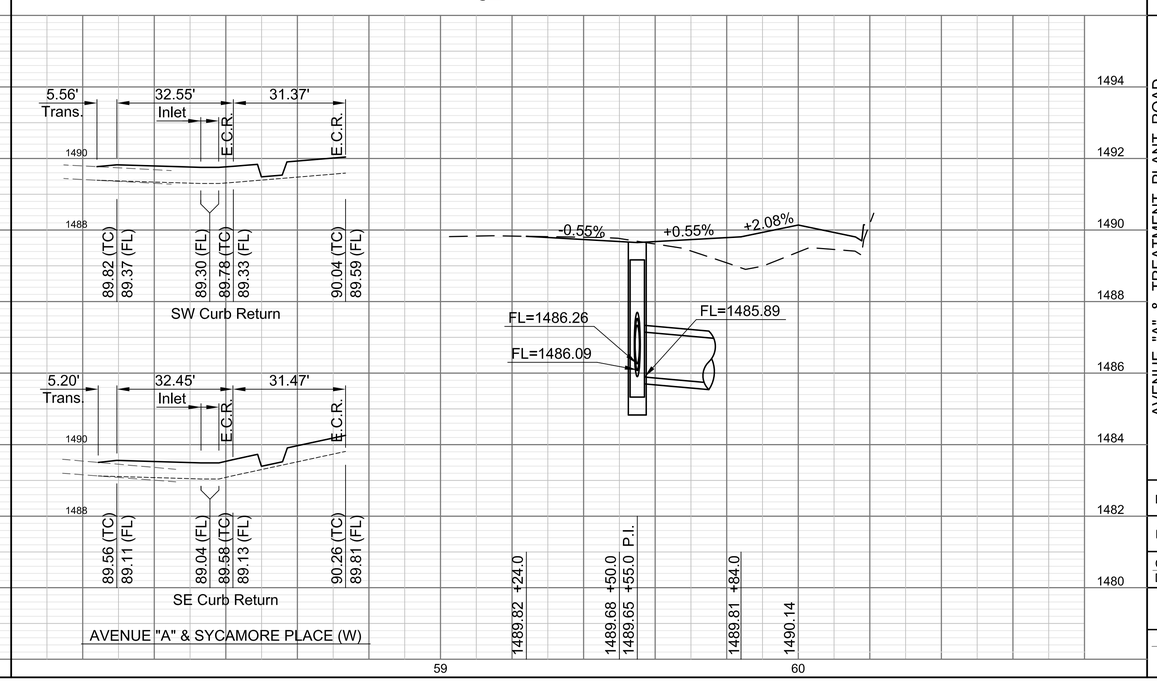
AVENUE "A" PLAN & PROFILE
Sta. 21+00.00 to Sta. 27+00.00

Engineer: J.T.S.
Drafter: D.G.R.
Check: S.L.A.
Date: 12-03-2014
Project No. 13-1443H
Sht. No. 6
Total Shts. 73









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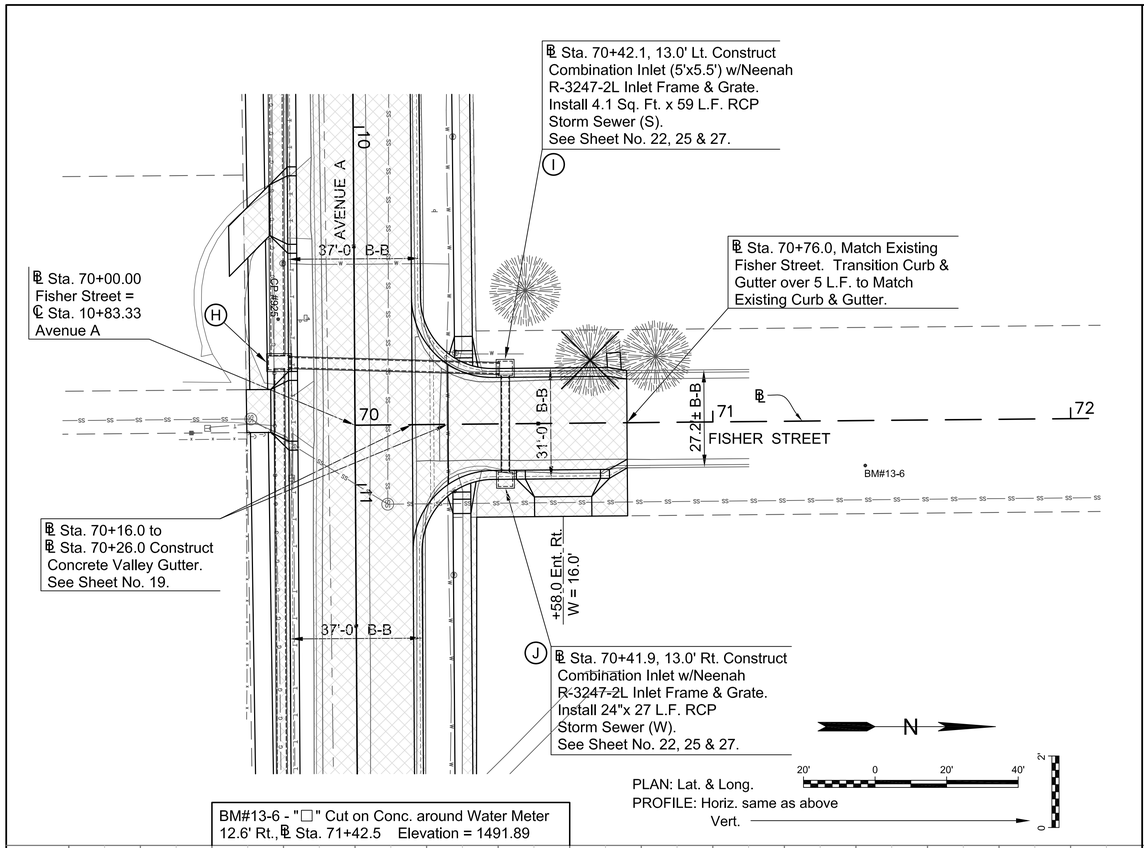
NO.	REVISIONS	DATE	INITIALS

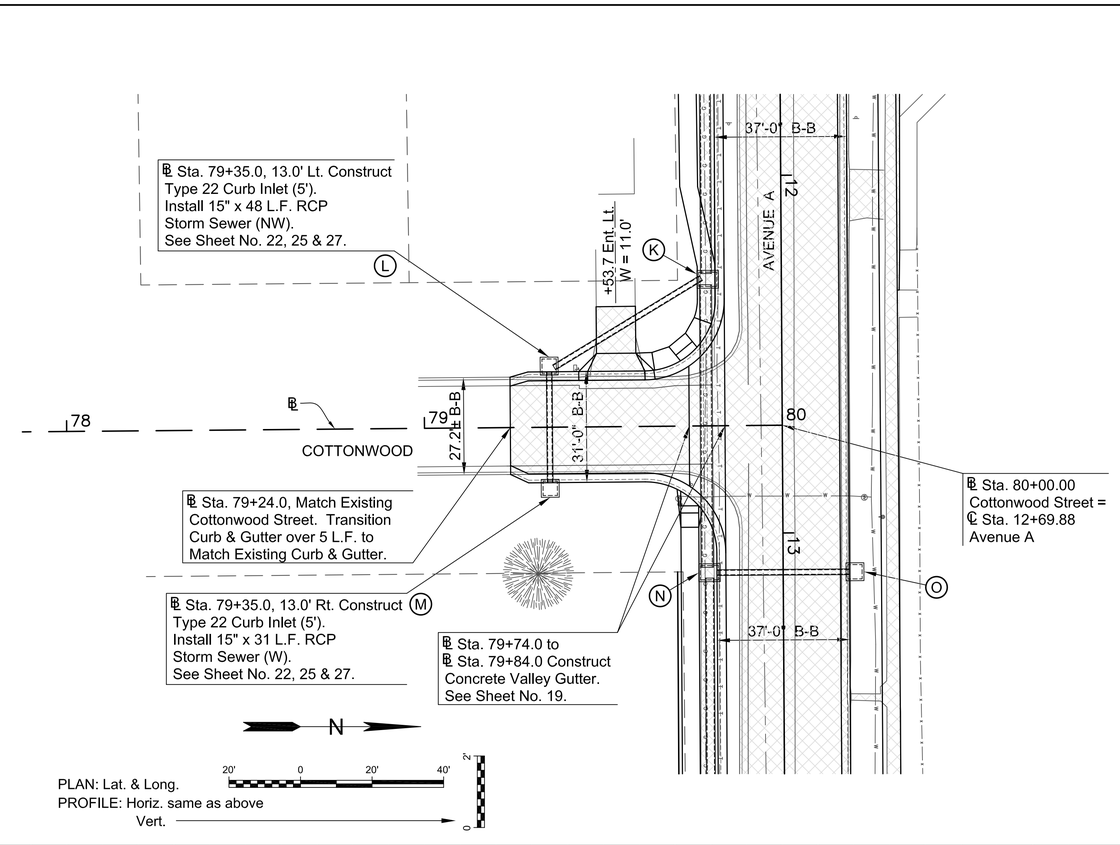
AVENUE "A" & TREATMENT PLANT ROAD
2015 STREET IMPROVEMENTS
McPHERSON, KANSAS

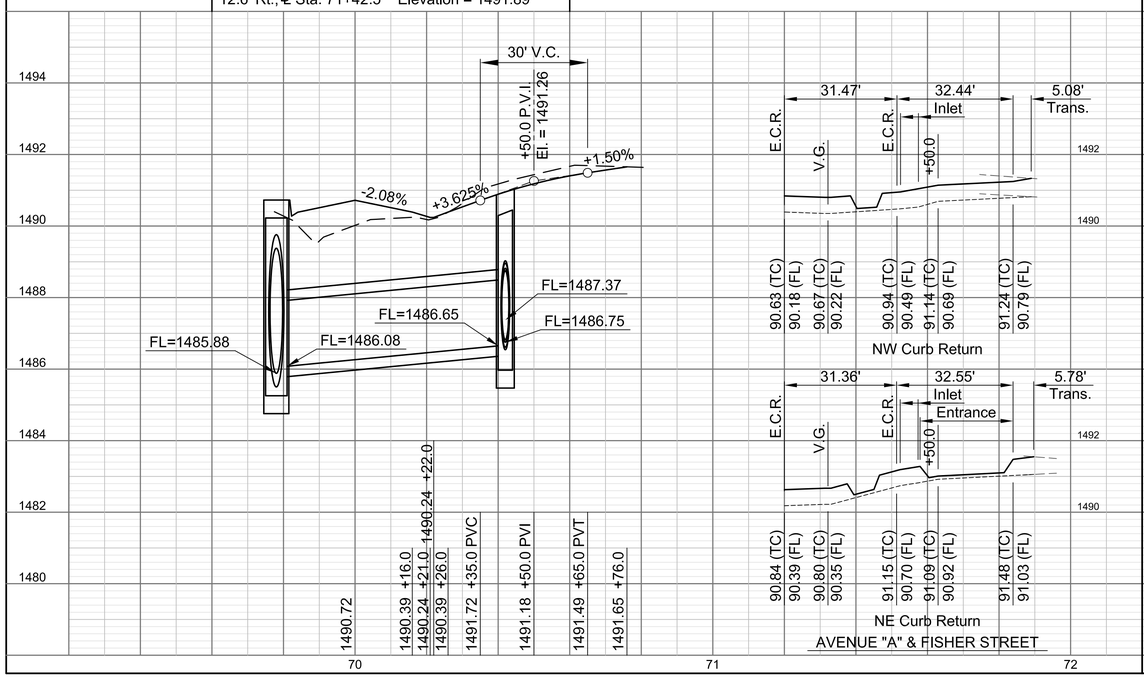
TULIP STREET PLAN & PROFILE
SYCAMORE PLACE PLAN & PROFILE

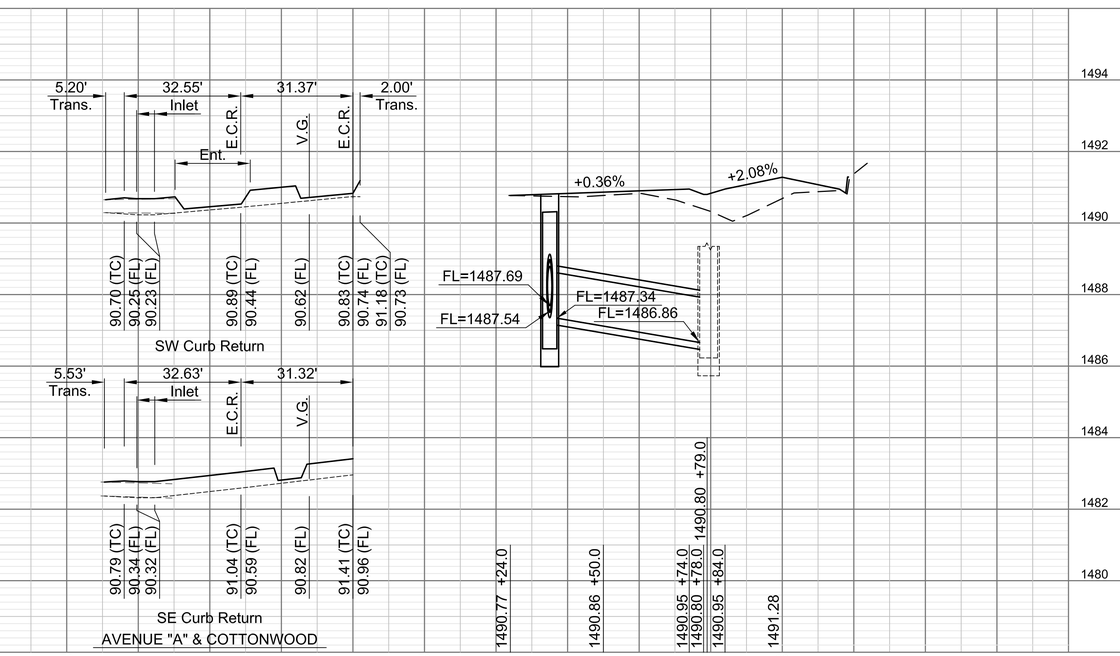
Engineer: J.T.S.
Drafter: D.G.R.
Check: S.L.A.
Date: 12-03-2014
Project No. 13-1443H
Sht. No. 7
Total Shts. 73



BM#13-6 - "□" Cut on Conc. around Water Meter 12.6' Rt., ℄ Sta. 71+42.5 Elevation = 1491.89







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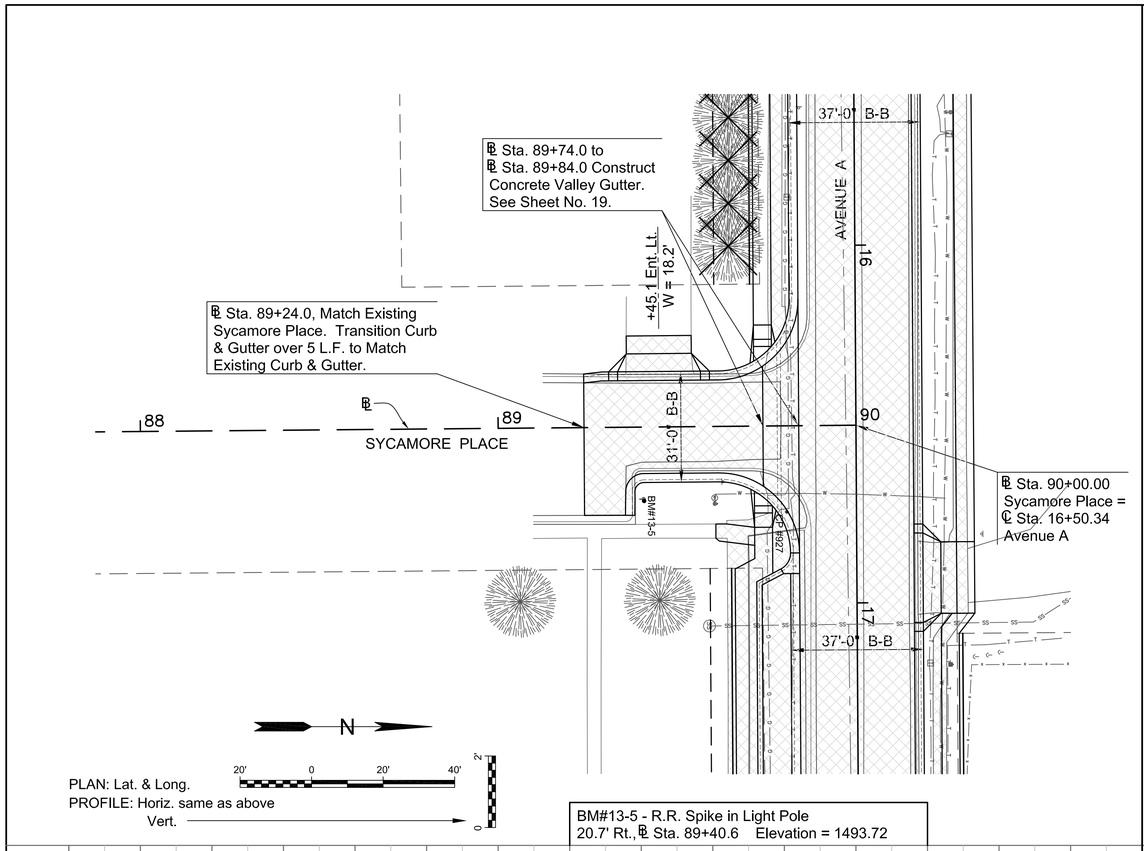
NO.	REVISIONS	DATE	INITIALS

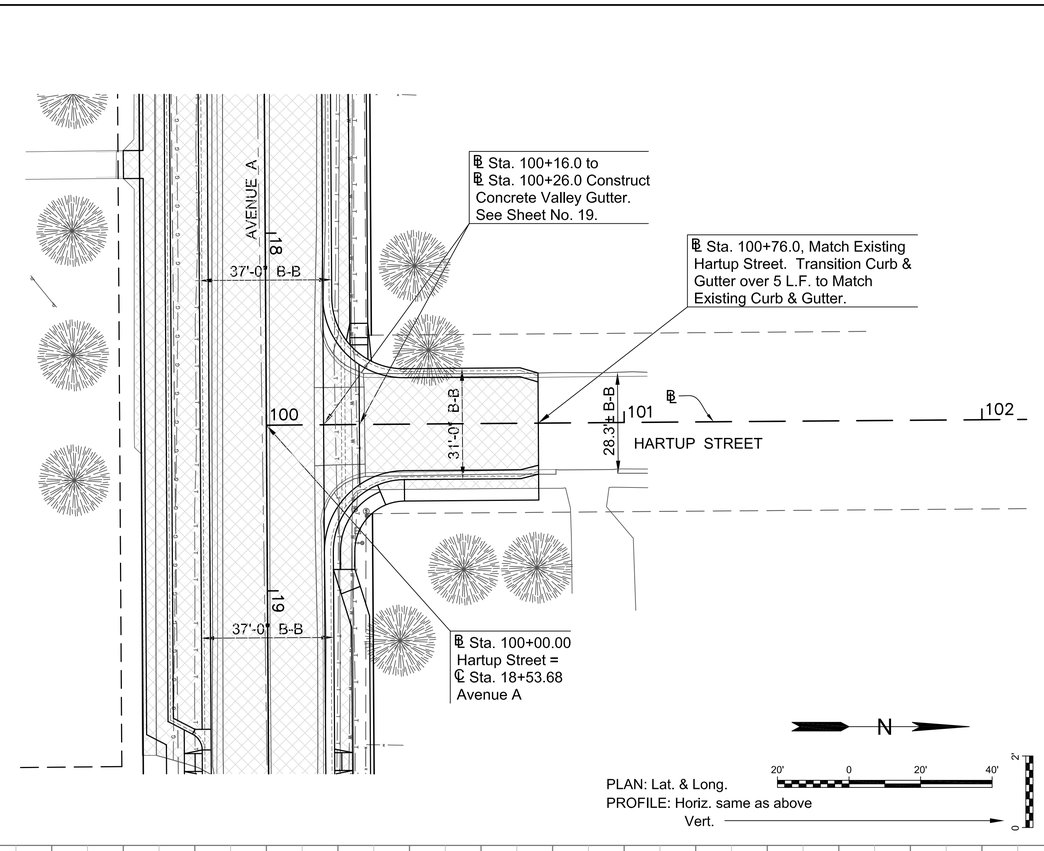
AVENUE "A" & TREATMENT PLANT ROAD
2015 STREET IMPROVEMENTS
McPHERSON, KANSAS

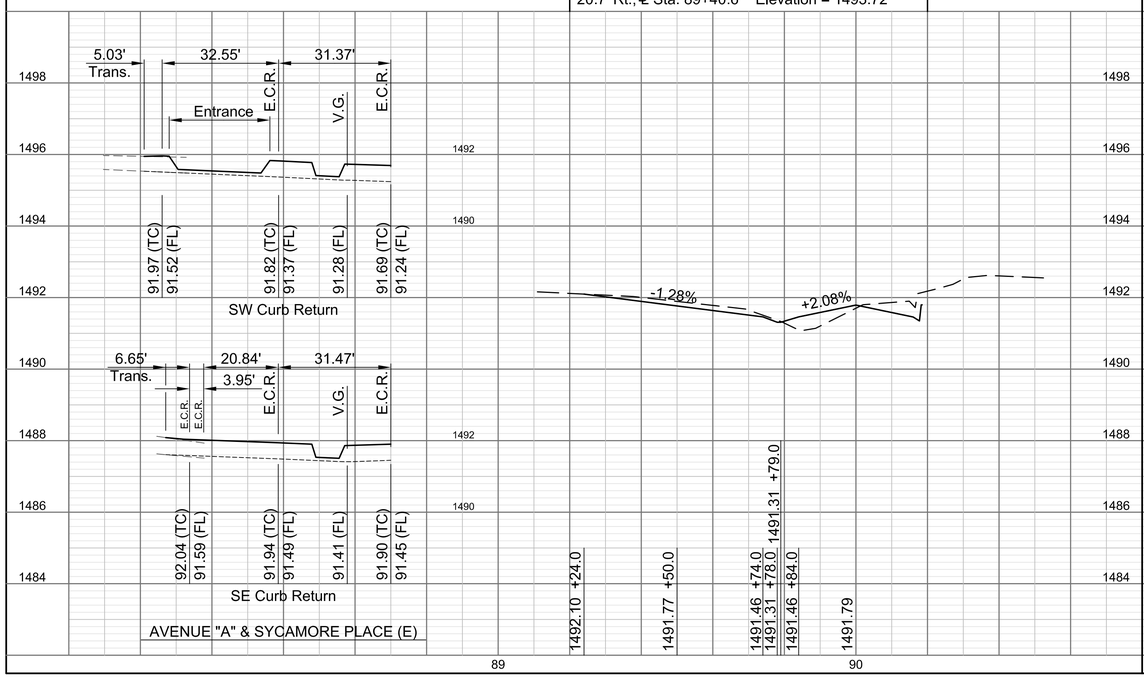
FISHER STREET PLAN & PROFILE
COTTONWOOD PLAN & PROFILE

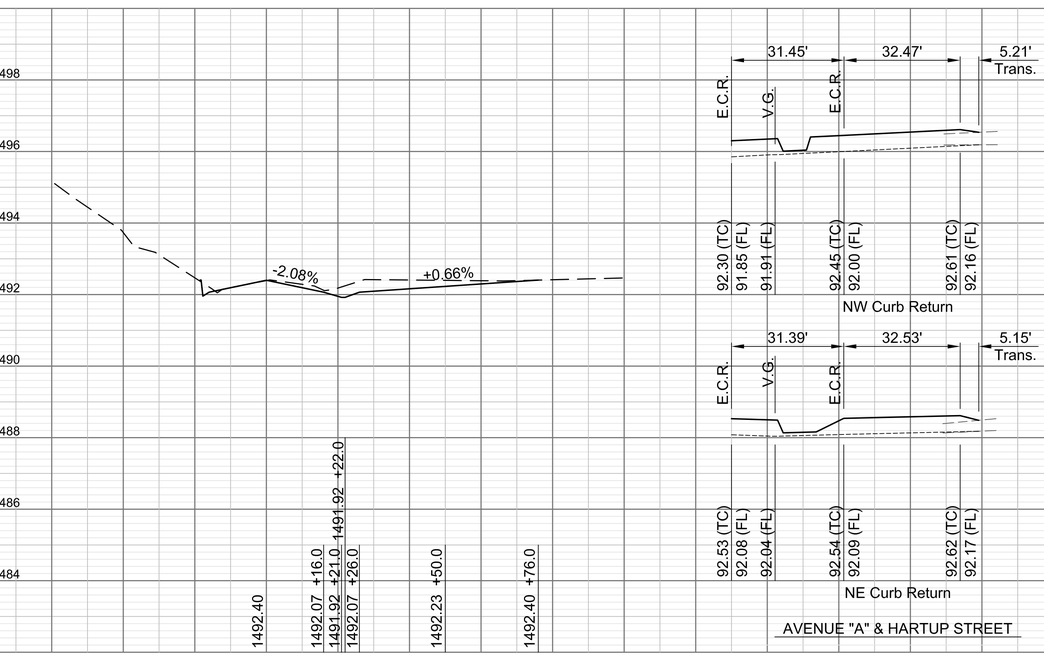
Engineer: J.T.S.
Drafter: D.G.R.
Check: S.L.A.
Date: 02-06-2015
Project No. 13-1443H
Sht. No. 8
Total Shts. 73



BM#13-5 - R.R. Spike in Light Pole
20.7' Rt., ℄ Sta. 89+40.6 Elevation = 1493.72







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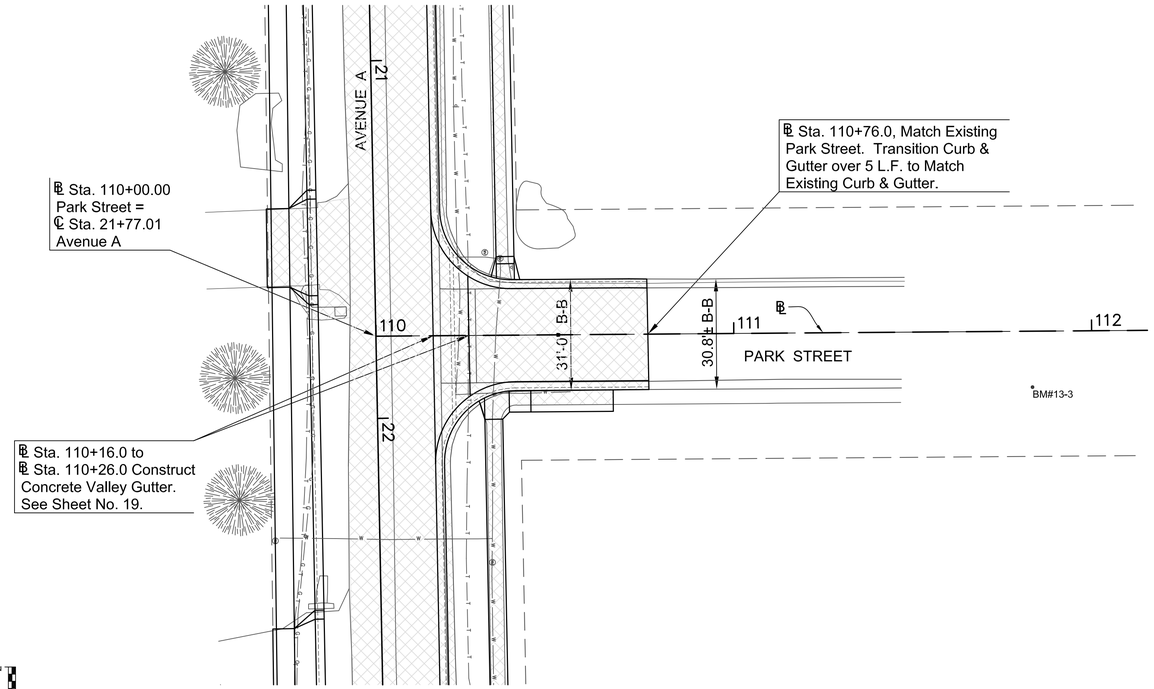
NO.	REVISIONS	DATE	INITIALS

AVENUE "A" & TREATMENT PLANT ROAD
2015 STREET IMPROVEMENTS
McPHERSON, KANSAS

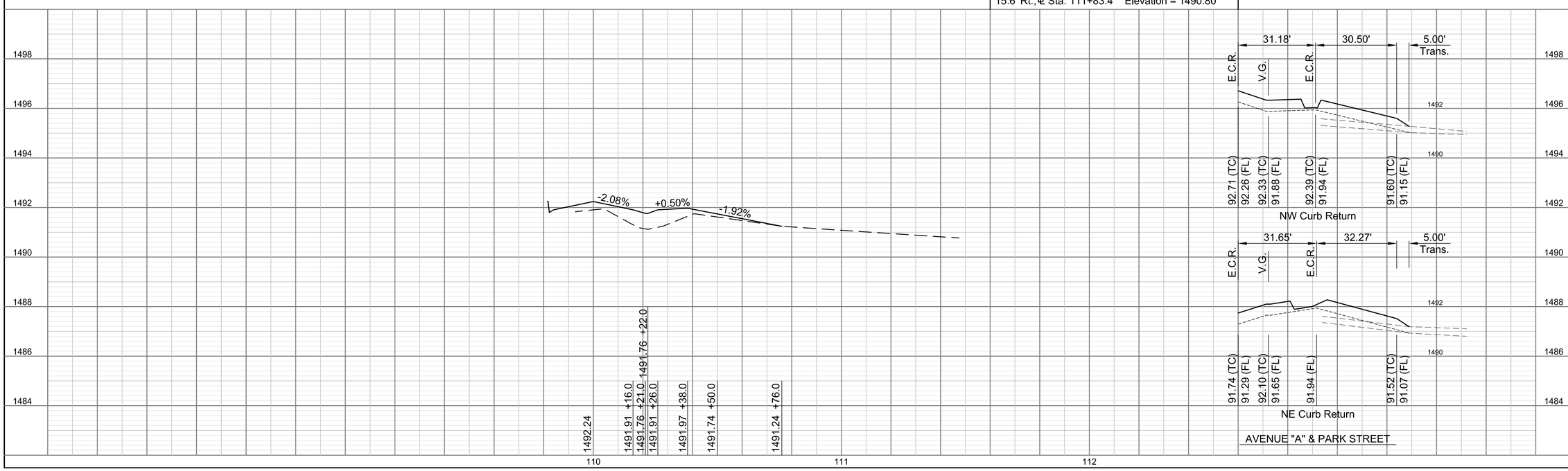
SYCAMORE PLACE PLAN & PROFILE
HARTUP STREET PLAN & PROFILE

Engineer: J.T.S.
Drafter: D.G.R.
Check: S.L.A.
Date: 02-06-2015
Project No. 13-1443H
Sht. No. 9
Total Shts. 73



PLAN: Lat. & Long.
PROFILE: Horiz. same as above
Vert.

BM#13-3 - "□" Cut on Top of Curb
15.6' Rt., ℄ Sta. 111+83.4 Elevation = 1490.80



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NO.	REVISIONS	DATE	INITIALS

AVENUE "A" & TREATMENT PLANT ROAD
2015 STREET IMPROVEMENTS
McPHERSON, KANSAS

PARK STREET PLAN & PROFILE

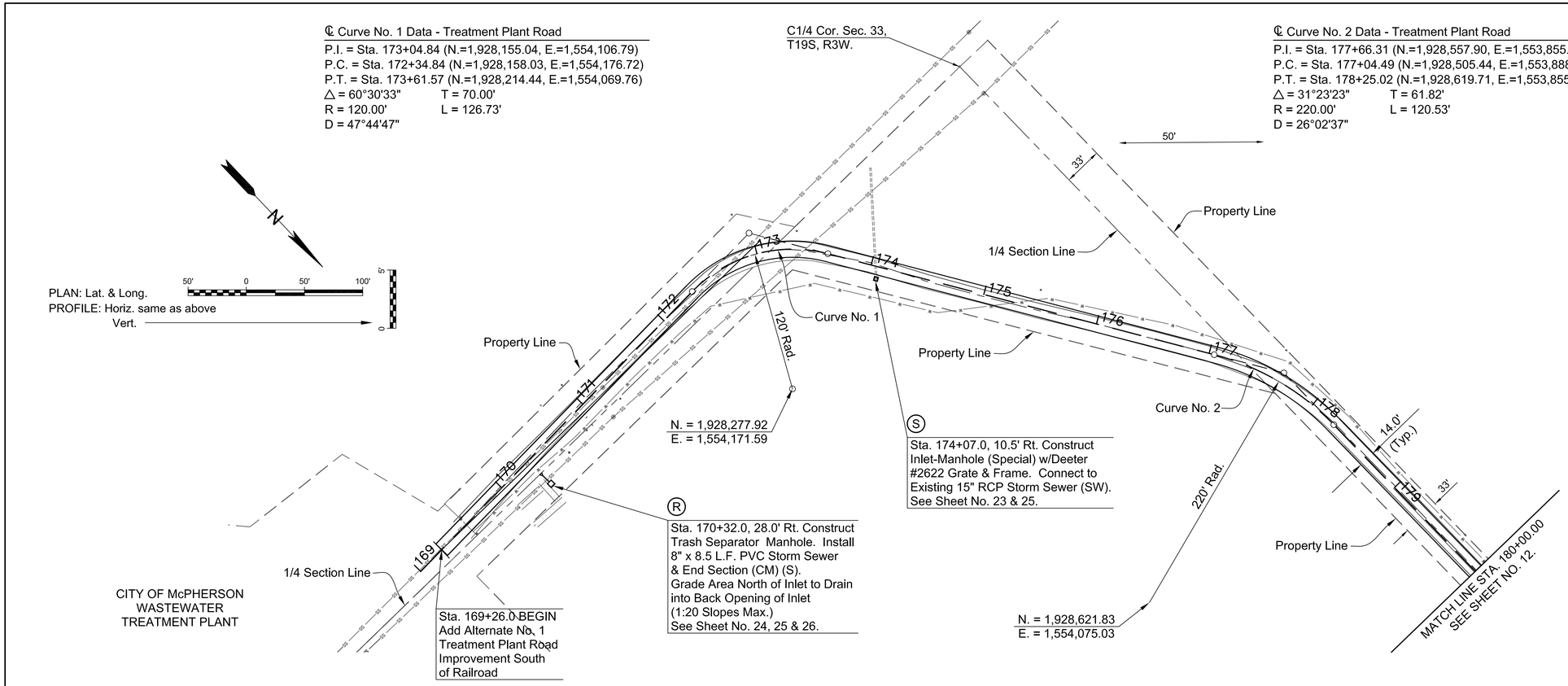
Engineer: J.T.S.
Drafter: D.G.R.
Check: S.L.A.
Date: 12-03-2014
Project No. 13-1443H
Sht. No. 10
Total Shts. 73

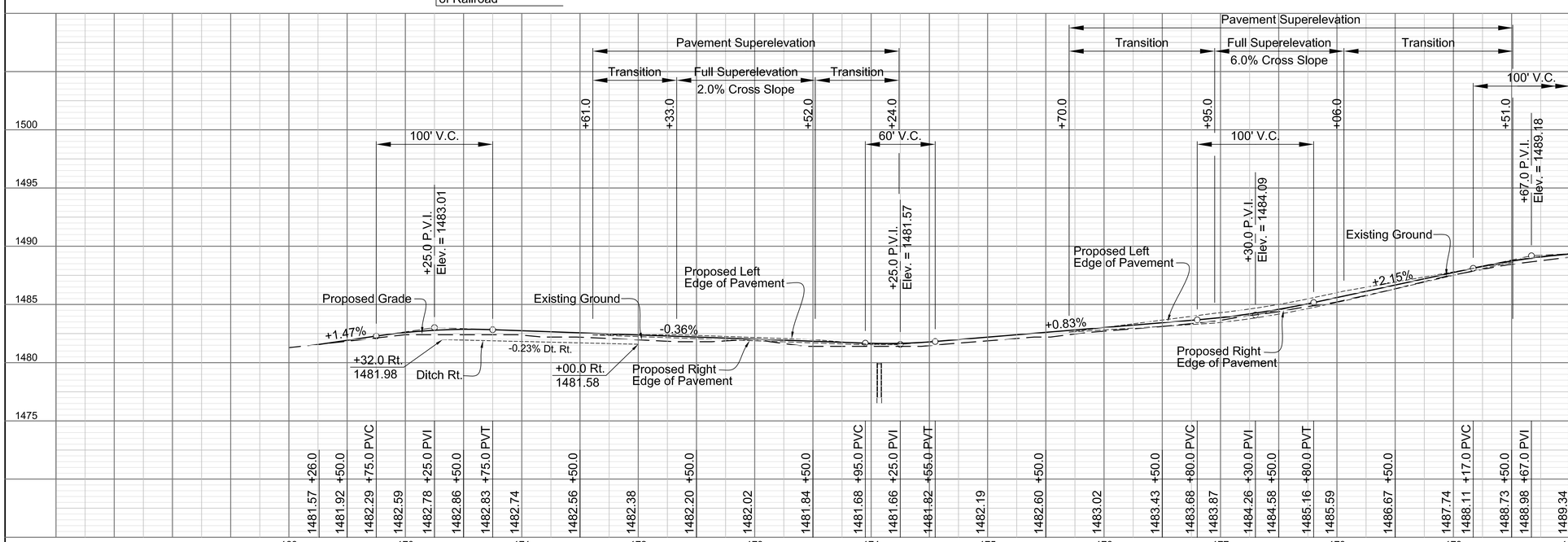
℄ Curve No. 1 Data - Treatment Plant Road

P.I. = Sta. 173+04.84 (N.=1,928,155.04, E.=1,554,106.79)
P.C. = Sta. 172+34.84 (N.=1,928,158.03, E.=1,554,176.72)
P.T. = Sta. 173+61.57 (N.=1,928,214.44, E.=1,554,069.76)
△ = 60°30'33" T = 70.00'
R = 120.00' L = 126.73'
D = 47°44'47"

℄ Curve No. 2 Data - Treatment Plant Road

P.I. = Sta. 177+66.31 (N.=1,928,557.90, E.=1,553,855.64)
P.C. = Sta. 177+04.49 (N.=1,928,505.44, E.=1,553,888.34)
P.T. = Sta. 178+25.02 (N.=1,928,619.71, E.=1,553,855.04)
△ = 31°23'23" T = 61.82'
R = 220.00' L = 120.53'
D = 26°02'37"





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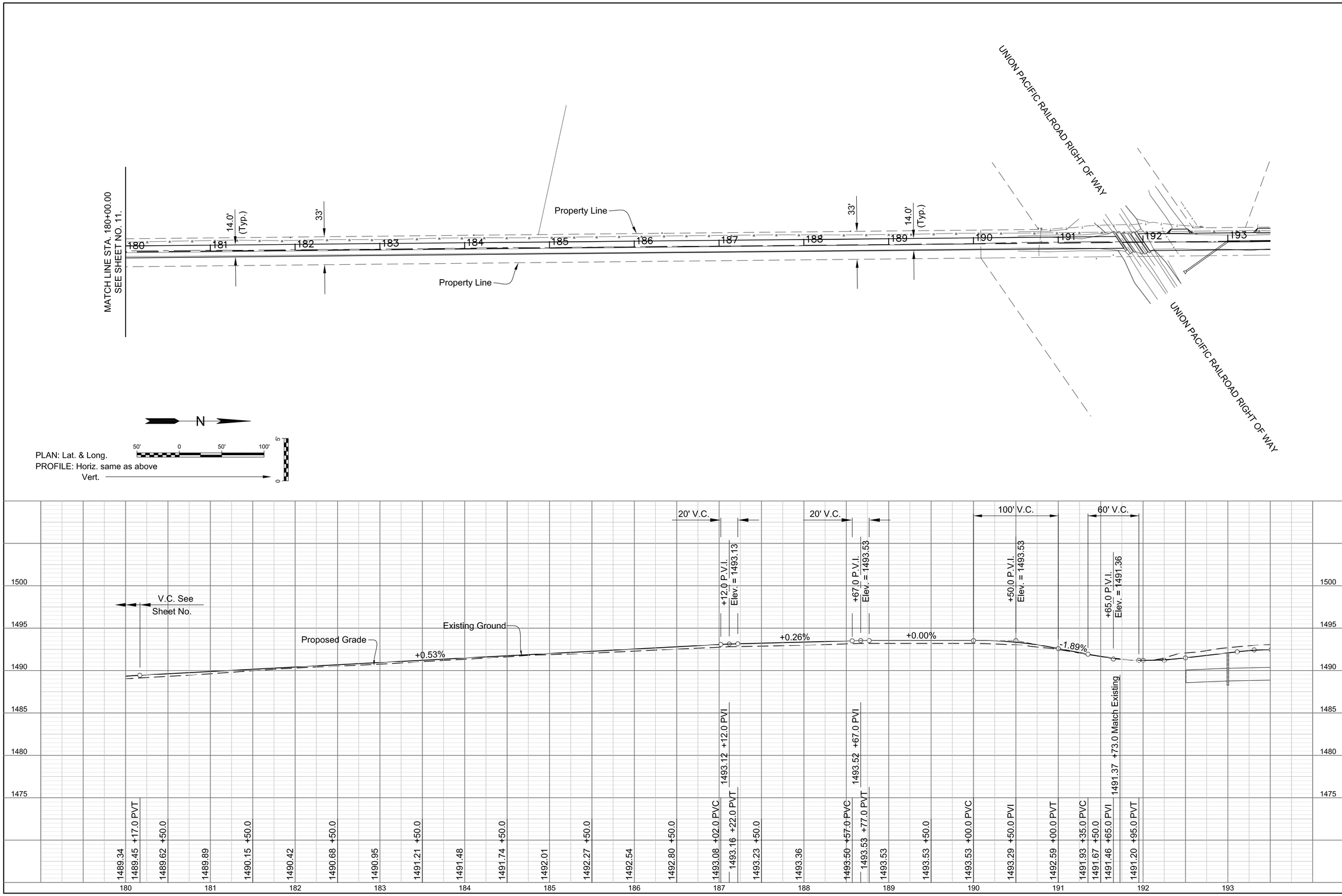
NO.	REVISIONS	DATE	INITIALS

AVENUE "A" & TREATMENT PLANT ROAD
2015 STREET IMPROVEMENTS
McPHERSON, KANSAS

Treatment Plant Road Plan & Profile
Sta. 169+00.00 to Sta. 180+00.00

Engineer: J.T.S.
Drafter: D.G.R.
Check: S.L.A.
Date: 12-03-2014
Project No. 13-1443H
Sht. No. 11
Total Shts. 73



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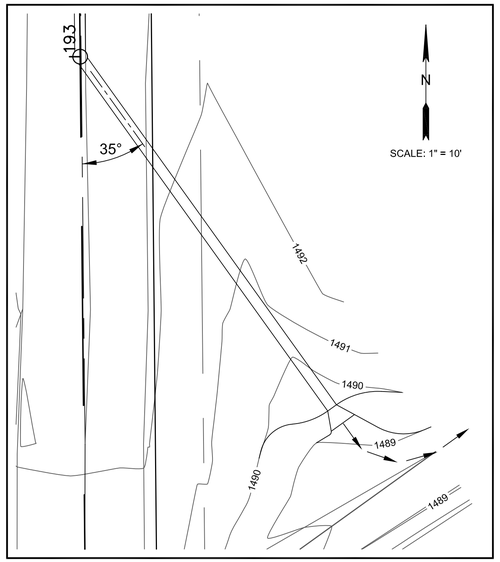
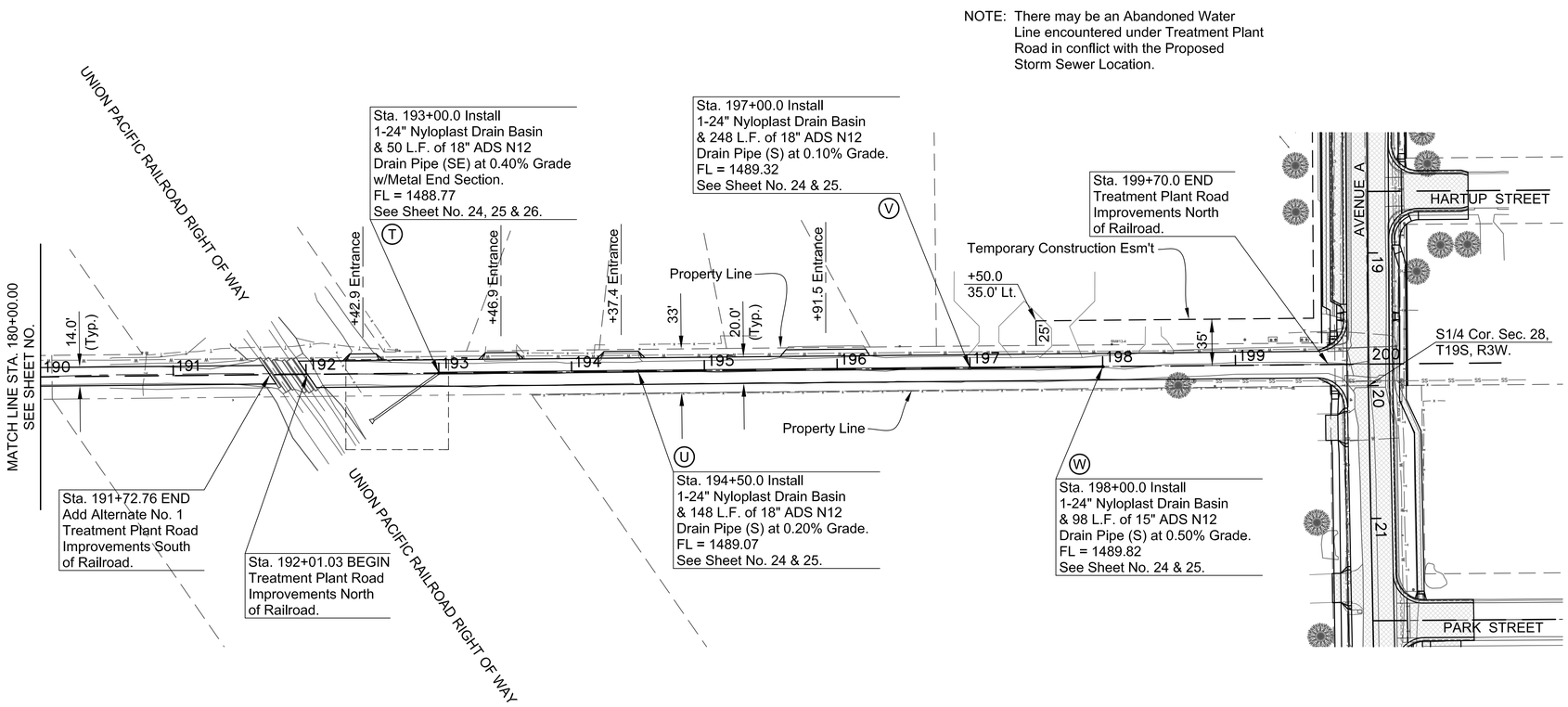
NO.	REVISIONS	DATE	INITIALS

AVENUE "A" & TREATMENT PLANT ROAD
2015 STREET IMPROVEMENTS
McPHERSON, KANSAS

Treatment Plant Road Plan & Profile
Sta. 180+00.00 to Sta. 190+00.00

Engineer: J.T.S.
Drafter: D.G.R.
Check: S.L.A.
Date: 12-03-2014
Project No. 13-1443H
Sht. No. 12
Total Shts. 73



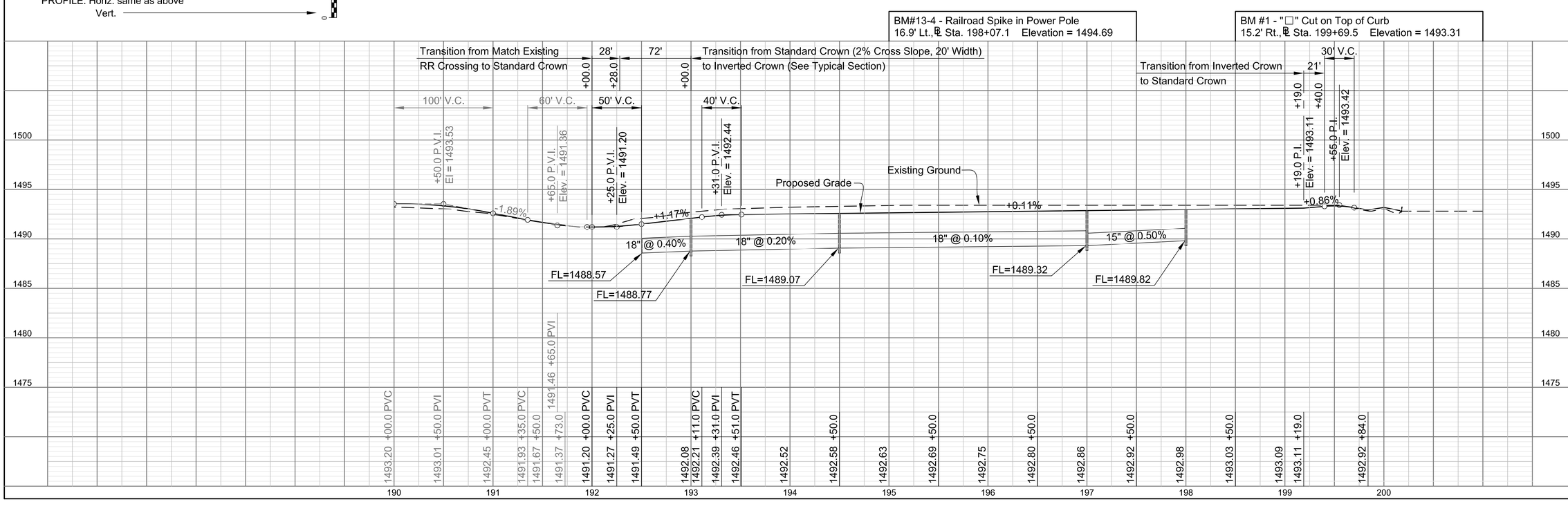


N

PLAN: Lat. & Long.
PROFILE: Horiz. same as above
Vert.

50' 0 50' 100'

5' 0



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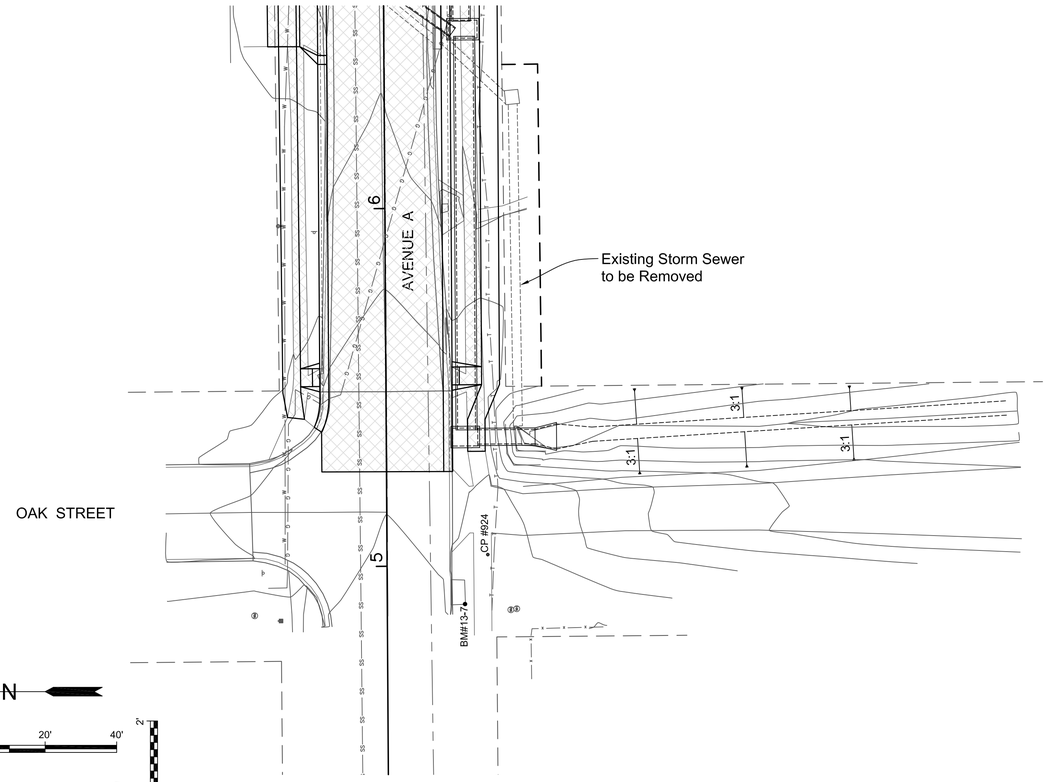
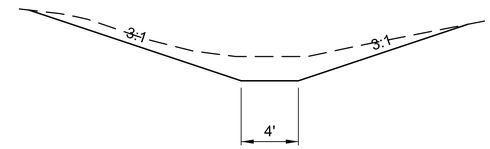
NO.	REVISIONS	DATE	INITIALS

AVENUE "A" & TREATMENT PLANT ROAD
2015 STREET IMPROVEMENTS
McPHERSON, KANSAS

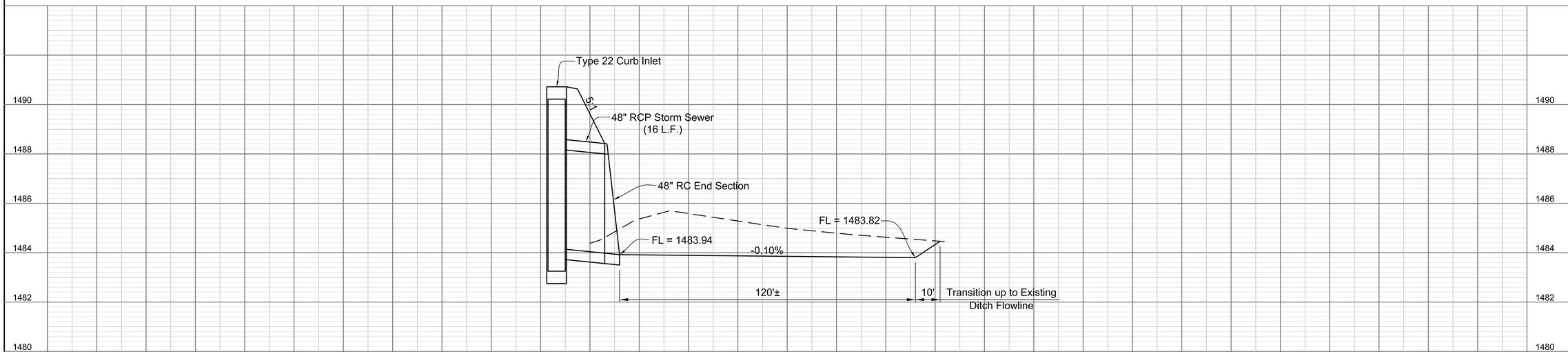
Treatment Plant Road Plan & Profile
Sta. 190+00.00 to Sta. 200+00.00

Engineer: J.T.S.
Drafter: D.G.R.
Check: S.L.A.
Date: 02-06-2015
Project No. 13-1443H
Sht. No. 13
Total Shts. 73





TYPICAL SECTION
Ditch Grading



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NO.	REVISIONS	DATE	INITIALS

AVENUE "A" & TREATMENT PLANT ROAD
2015 STREET IMPROVEMENTS
McPHERSON, KANSAS

DRAINAGE DITCH PLAN & PROFILE

Engineer: J.T.S.
Drafter: D.G.R.
Check: S.L.A.
Date: 12-03-2014
Project No. 13-1443H
Sht. No. 14
Total Shts. 73