



**AGENDA
CITY OF HARRISONVILLE
PUBLIC WORKS COMMITTEE
REGULAR MEETING
CITY HALL
MARCH 6, 2014
6:00 PM**

- I. Call to Order**
 - A. Roll Call**
- II. Approval of Minutes**
 - A. Public Works Committee - Regular Meeting - Feb 6, 2014 6:00 PM**
- III. Agenda Items**
 - A. MECHANIC STREET J4P2257 PRESENTATION**
- IV. Stormwater Issues**
 - A. Public Concerns and Education Opportunities**
- V. Public Works Project Updates**
 - A. PUBLIC WORKS UPATE MARCH 2014**
- VI. Airport Reports**
 - A. AIRPORT MONTHLY REPORT**
- VII. General Discussion**
- VIII. Adjourn**

This meeting will be open to the public.

Posted on City Hall Bulletin Board this 27th day of February, 2014

Kim Hubbard, City Clerk



DRAFT
MINUTES
CITY OF HARRISONVILLE
PUBLIC WORKS COMMITTEE
REGULAR MEETING
CITY HALL
FEBRUARY 6, 2014
6:00 PM

I. Call to Order

The meeting was called to order at 6:00 PM by Chair Ivan Stull

Attendee Name	Title	Status	Arrived
Kevin Wood	Member	Present	
Doug Meyer	Alternate	Absent	
Morris Coburn	Member	Present	
David Dickerson	Member	Present	
Ivan Stull	Chair	Present	
Bill Mollenhour	Member	Absent	

Others Present: City Administrator Keith Moody, Public Works Director Jerry Gibbs, Assistant Public Works Director Eric Patterson, Street Superintendent Rodney Jacobs, Airport Manager James Green, Police Chief John Hofer, and City Clerk Kim Hubbard.

II. Approval of Minutes

- A. Public Works Committee - Regular Meeting - Jan 2, 2014 6:00 PM** Accepted
Minutes were approved.

III. Agenda Items

- A. Approval of Proposed Transportation Sales Tax Projects** Recommended

Mr. Gibbs stated the schedule included in the committee's packet is tentative, reviewed the six (6) streets listed and noted that even though Mechanic Street was listed, money has already been budgeted for this project and that portion of the sales tax money would be freed up and could go toward storm water projects.

Mr. Moody distributed transportation sales tax flyers and stated the information would be shared with civic groups and made available to the residents. Mr. Moody also noted the City is not borrowing money for the projects but as sales tax money accrue projects would be completed.

Minutes Acceptance: Minutes of Feb 6, 2014 6:00 PM (Approval of Minutes)

Alderman Dickerson inquired if there would be any money used from reserves for the Mechanic Street Project and was told there would not be.

B. An Ordinance Allowing the City of Harrisonville, Missouri to Accept Reimbursement from the Missouri Department of Transportation in an Amount of \$99,978 for Design and Surveying of Utilities Associated with the Mechanic Street Project (MoDOT J4P2257) Recommended

Mr. Gibbs reported this agreement this is the second agreement with MoDOT for the Mechanic Street Project and once the Municipal Agreement is approved then the Utility Design Agreement can be approved. Mr. Gibbs stated this is an agreement for MoDOT to reimburse the City in full for the Utility Design that is being done by Trekk in the amount of \$99,978.

C. A Resolution Authorizing the City Administrator to Execute Amendment 2 to the Burns and McDonnell Contract in an Amount Not to Exceed for \$59,645 Recommended

Mr. Gibbs reported that Phase 1 of the Burns and McDonnell Water Infrastructure Engineering Improvements have been completed. Mr. Gibbs stated he has spoken with the Missouri Department of Natural Resources and they agree there are other styles of overflows to consider. They also conceded that the abandoning of the existing overflow would have challenges.

Mr. Gibbs stated Burns and McDonnell inspection will assist them in finding solutions to problems or determine if repair or replacement is needed immediately.

Mr. Gibbs reported that staff recommends positive support to the Board of Aldermen.

D. Acceptance of Oakland Cemetery

Mr. Moody updated the committee that he and staff met with Theron DeShazer at the Oakland Cemetery. Mr. Moody reported on the condition of stones at the cemetery, that the City owns the property to the east, and there is a creek that runs near. Mr. Moody also reported that there is a steep embankment that is close to graves which the City will need to find a way to keep the erosion from affecting the graves.

Discussion took place of why the City would take the cemetery over. Mayor Wood stated he believes the City has an obligation to the community. There was also discussion regarding the possibility of increasing the cost of lots, and charging a fee for maintenance.

Mayor Wood made the recommendation for this to move forward to the full Board for a decision once the City Attorney has provided the needed information for the transfer.

The consensus was for this item to go to the full Board.

E. A Resolution Authorizing the City Administrator to Execute An Agreement with Murphy Tractor & Equipment Company for the Purchase of John Deere 444K Loader for the Street Department in an Amount Not to Exceed \$116,160 Recommended

Mr. Jacobs reviewed the need to replace their current loader and shared he felt the current loader was almost at the end of it's life.

Mr. Jacobs reported that Mr. Moody had him get the cost to refurbish the current loader and cost to purchase a new one. The cost to refurbish was \$106,000 and to purchase a new one was \$116,000.

There was discussion regarding the amount of electronics that the new ones have and the things that can go wrong. Mr. Jacobs asked for direction on whether to pay an additional \$2,200 for an additional 2 year warranty. The warranty that comes with it is three (3) years.

The committee asked Mr. Jacobs to bring more information regarding the warranty to the Board of Aldermen at the next regular meeting.

IV. Public Works Project Updates

A. Public Works Update

Mr. Gibbs reported that staff will be meeting in the middle of February with Kansas City Water regarding available options.

Redzone-Mr. Gibbs reported that Redzone would be sending the program to us next week and that will assist in our decision to move forward with them. The question was asked if any funds have paid out and the answer was no.

Eastwood Sanitary Sewer Reroute Project-this project was thought to be a major project and it was discovered there could be 70 foot of sewer line installed. Mr. Gibbs noted the project was able to be bid as a maintenance program and reviewed the bids received. Mr. Gibbs stated he was looking for support from the Committee to take Power's Trenching bid to the Board for approval. Alderman Coburn moved to forward the to the Board, Alderman Dickerson seconded the motion and it was approved.

Siemen's Mr. Gibbs reported he is waiting on numbers.

The 291pole relocation bid notice is out and and there should be an executed contract with the TDD at the end of February. It was noted that the TDD is paying the cost to relocate the poles that are in conflict with the project.

Contractors for the North Independence Bridge Project anticipate that it will be open to traffic by mid April.

Sidewalk Program-It is too cold right now for this program to be active.

Mr. Patterson distributed a map depicting two way traffic on Lexington and the closing of the alley behind city hall and the police department. Mr. Patterson explained this had been a discussion item originally at the Public Safety Committee and this map had been requested. Mayor Wood shared his uncertainty of the barricade in the alley.

V. Airport Reports

A. AIRPORT REPORT

Airport Manager James Green reviewed that the Federal Aviation Administration (FAA) had identified four (4) trees one (1) on city/airport property, two (2) south of the airport which is on J Harold Smith's property and one (1) on private property (Michael Myler is the owner). Mr. Green reported the FAA has given the City thirty (30) days to confirm or remove. The City's response will be that three (3) will be removed and the one on the Myler property we need additional time to identify. Mr. Green noted that Mr. Myler has not been contacted at this time.

The question was asked if Mr. Green had heard anything regarding the sign that the state was attempting to install earlier and Mr. Green stated he probably will not hear anything until closer to spring.

Mayor Wood inquired as to how soon the hangar loans would be paid off. Mr. Green stated he thought that there was one that would be paid off within the next couple of years. Mayor Wood discussed the possibility of constructing more hangars on the development land once one of the loans are paid off.

Mr. Green reported the increased sale of jet fuel was due to four (4) Blackhawk helicopters that had refueled at the airport.

VI. General Discussion

None.

VII. Adjourn

Alderman Dickerson made a motion to adjourn, seconded by Alderman Coburn and it was approved. Meeting adjourned at 7:32 p.m.

Kevin Wood, Mayor & Ex-Officio
Chairman of the Board of Aldermen

ATTEST:

Kim Hubbard, City Clerk



TO: Public Works Committee
FROM: Jerry Gibbs, Director
DATE: February 24, 2014
SUBJECT: MECHANIC STREET J4P2257 PRESENTATION

Type of Item: *Presentation*

Background

The Mechanic Street Project (MoDOT J4P2257) is approximate 0.655 miles length and will rebuild the existing three lane road and add a third lane with curb & gutter/sidewalks between Independence and Stella. A Municipal Agreement has been adopted by the City and waiting the Commission's signature. The Municipal Agreement outlines MoDOT and the city's responsibilities. The City is contributing \$2.05 M in STP funding received from MARC and \$510,000 in required city fund match. A Utility Reimbursement Agreement was adopted by the City on 2-24 for the City's design of sewer and water infrastructure impacted by the project. TREKK design was awarded this project last year.

The tentative project schedule is:

- Public Works Committee 3-6-14
- Public Meeting - 03/11/2014
- Preliminary Plans Approved - March 2014
- Right of Way Plans Approved - March 2014
- Right of Way Acquisition - 11/15/2014
- PS&E Submittal - 12/15/2014
- City Funds Deposited - 01/2015
- Letting - 02/2015
- Project Length -1 construction season

ANALYSIS

Area Engineer Matt Killion, Chief Designer Jodie Puhr and Transportation Project

Manager Lee Ann Kell will be attending representing MoDOT. The purpose of the meeting is to:

- provide the committee with an update on the project and to give them a chance to provide comments/feedback
- review the scope of the project - improvements being made (roadway, pavement, drainage & pedestrian), right of way and access impacts, and review traffic control during construction.
- emergency access
- schedule and estimate/budget.

A. Discussion Item (ID # 1327)

MECHANIC STREET J4P2257 PRESENTATION

Attachments:

J4P2257 ROW PLANS.pdf (PDF)

J4P2257 ROW ESTIMATE.pdf (PDF)

Microsoft Word - J4P2257 Prel Plan Comments Responses (PDF)

A.A.D.T. - 2015 = 12000
A.A.D.T. - 2025 = 17500
D.H.V. = 1610
T = 10.0%
V = 35 M.P.H.

NORMAL RIGHT OF WAY

THE DESIGN GUIDE FOR THE WIDTH OF RIGHT OF WAY
HALL FOR THIS PROJECT WILL BE 100 FEET. MORE
R LESS RIGHT OF WAY AS WELL AS OTHER PROPERTY
INTERESTS MAY BE SECURED TO SATISFY THE
EQUIREMENTS OF THE DESIGN FEATURES OF THIS
PROJECT.

	EXISTING	NEW
BUILDINGS AND STRUCTURES		
GUARD RAIL		
CONCRETE RIGHT-OF-WAY MARKER		
STEEL RIGHT-OF-WAY MARKER		
LOCATION SURVEY MARKER		
UTILITIES		
FIBER OPTICS	— FO —	— FO —
OVERHEAD TELEPHONE		
UNDERGROUND TELEPHONE	— T —	— T —
OVERHEAD POWER		
UNDERGROUND POWER	— P —	— P —
GAS	— G —	— G —
WATER	— W —	— W —
MANHOLE		
FIRE HYDRANT		
WATER VALVE		
WATER METER		
DROP INLET		
DITCH BLOCK		
GROUND MOUNTED SIGN		
LIGHT POLE		
H-FRAME POWER POLE		
TELEPHONE PEDESTAL		
FENCE		
CHAIN LINK		
WOVEN WIRE		
GATE POST		
BENCHMARK		

NOTE: DASHED OR OPEN SYMBOLS INDICATE
EXISTING FEATURES

CASS COUNTY
RIGHT OF WAY PLANS

HARRISONVILLE

T45N
T44N

R32W
R31W

7

2

LOG MILE 36.248
STA 627+34.21

LOG MILE 35.248
STA 587+52.917

PROJECT LIMITS
(BIRD AVE TO INDEPENDENCE)

PAVING, GRADING, DRAINAGE, LIGHTING,
SIGNING, AND SIDEWALK IMPROVEMENTS

NOT TO SCALE

DESCRIPTION	SHEET NUMBER
TITLE SHEET -----	1
TYPICAL SECTIONS (TS) (1 SHEETS)---	2
QUANTITIES (QU) (XX SHEETS)-----	3
PLAN-PROFILE (PP)-----	4-19
REFERENCE POINTS (RP)-----	XX
COORDINATE POINTS (CP)-----	XX-XX
SPECIAL SHEETS (SS)-----	XX-XX
DRAINAGE SHEETS (DS)-----	12-19
TRAFFIC CONTROL SHEETS (TC)-----	20-27
EROSION CONTROL SHEETS (EC)-----	XX-XX
SIGNALS (SG)-----	XX-XX
SIGNING (SN)-----	28-35
PAVEMENT MARKING (PM)-----	XX-XX
CULVERT SECTIONS (CS)-----	XX-XX
CROSS SECTIONS (XS)	
MAINLINE CROSS SECTIONS (XS)----	XX-XX
CHANNEL CROSS SECTIONS (XS)----	XX-XX
STREET CROSS SECTIONS (XS)-----	XX-XX
DRIVEWAY CROSS SECTIONS (XS)----	XX-XX
TEMP. BYPASS CROSS SECTIONS (XS)	XX-XX

BEGINNING OF PROJECT	STA. 587+52.97
END OF PROJECT	STA 627+34.21
APPARENT LENGTH	3981.24 FEET
EQUATIONS AND EXCEPTIONS:	

EQUATIONS AND EXCEPTIONS:

TOTAL CORRECTIONS	0.0	FEET
NET LENGTH OF PROJECT	3981.24	FEET
STATE LENGTH	0.754	MILES

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A CERTIFIED
DOCUMENT."

DATE PREPARED
2/27/2014

ROUTE 7	STATE MO
DISTRICT KC	SHEET NO. 1

COUNTY	CASS
JOB NO.	J4P2257
CONTRACT ID.	

PROJECT NO.

BRIDGE NO.

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WAYS AND TRANSPORTATION



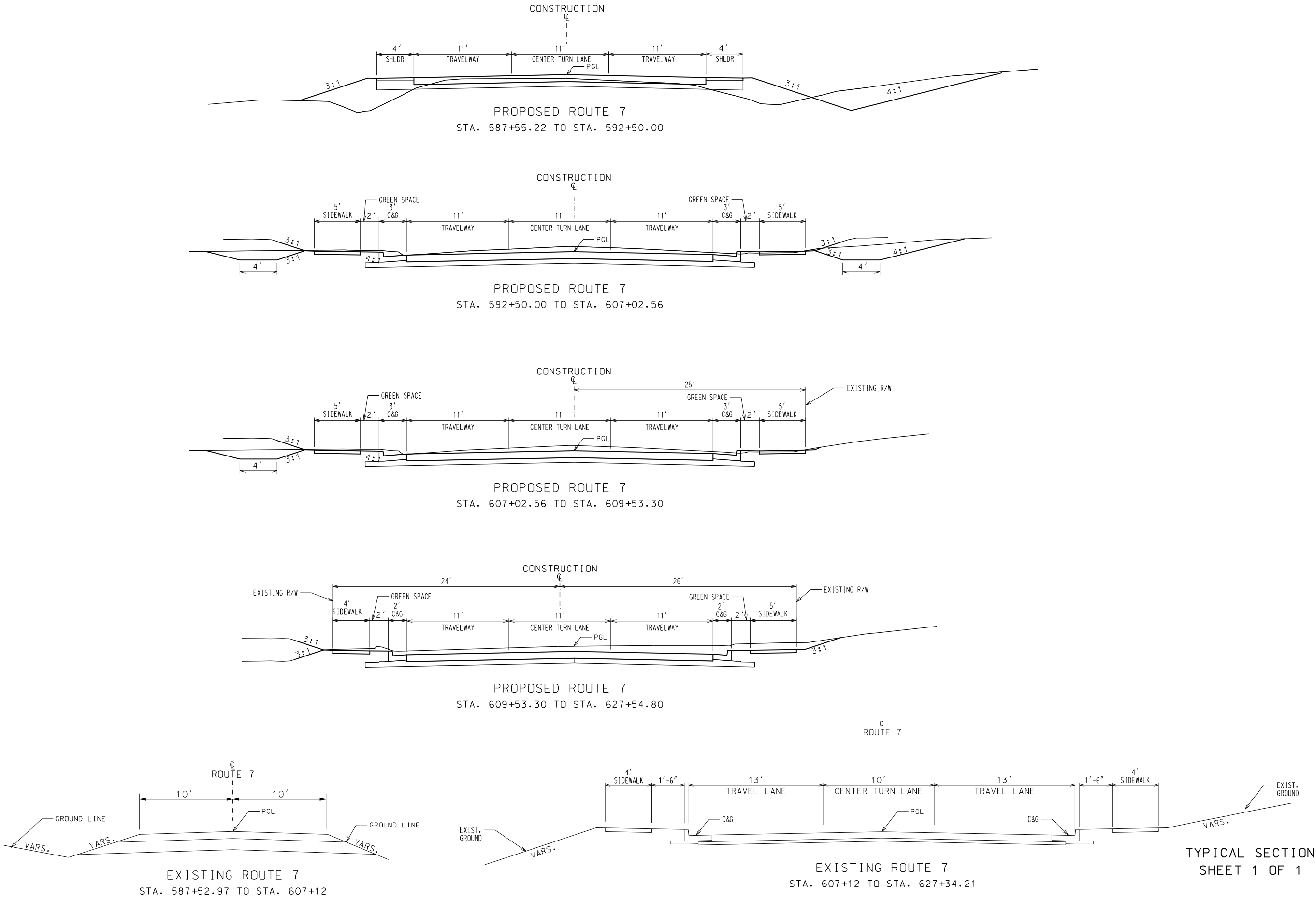
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JEFFERSON CITY, MO 65102
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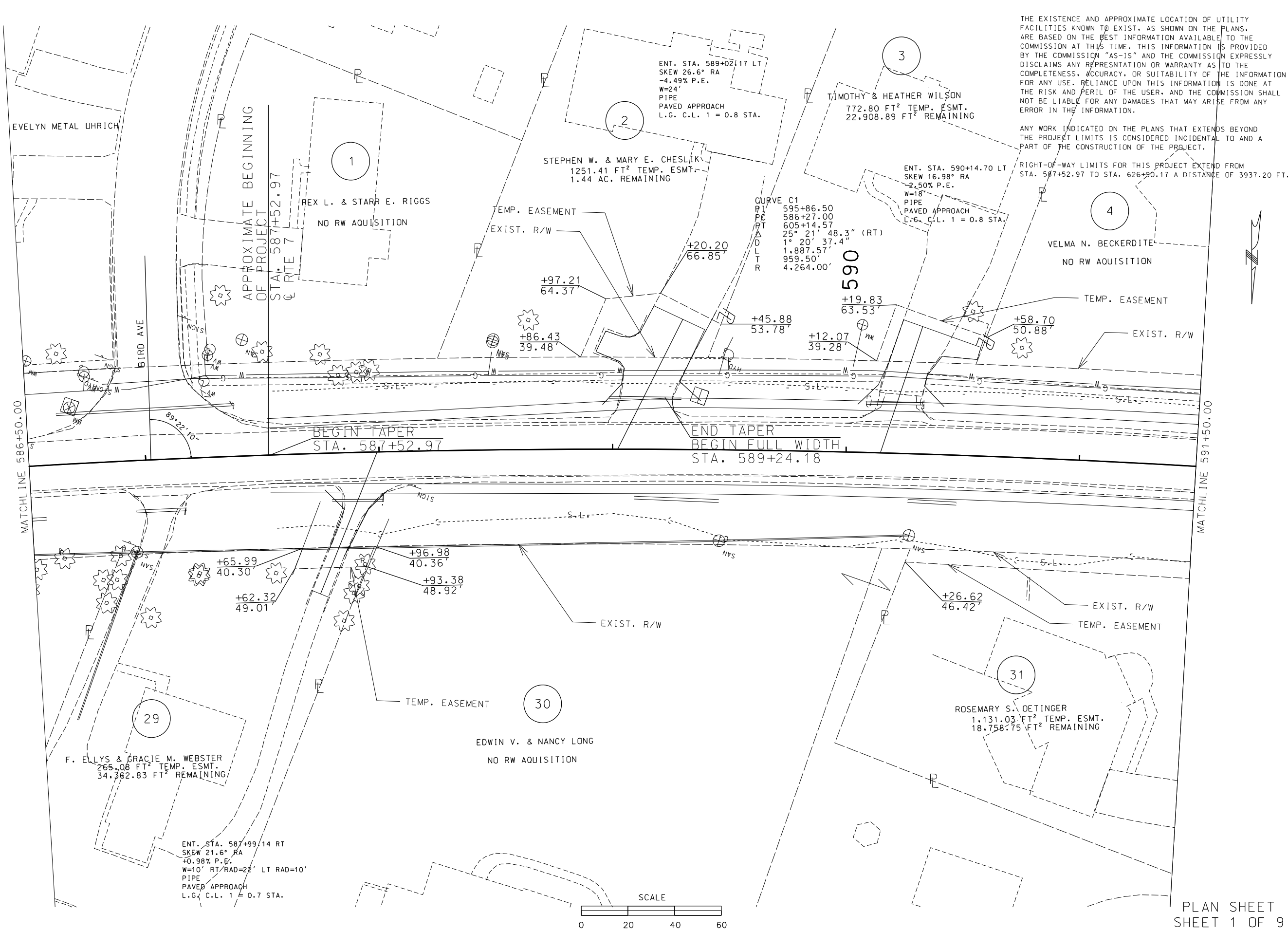
REV.

3.A.a

Attachment: J4P2257 ROW PLANS.pdf (MECHANIC STREET J4P2257 PRESENTATION)



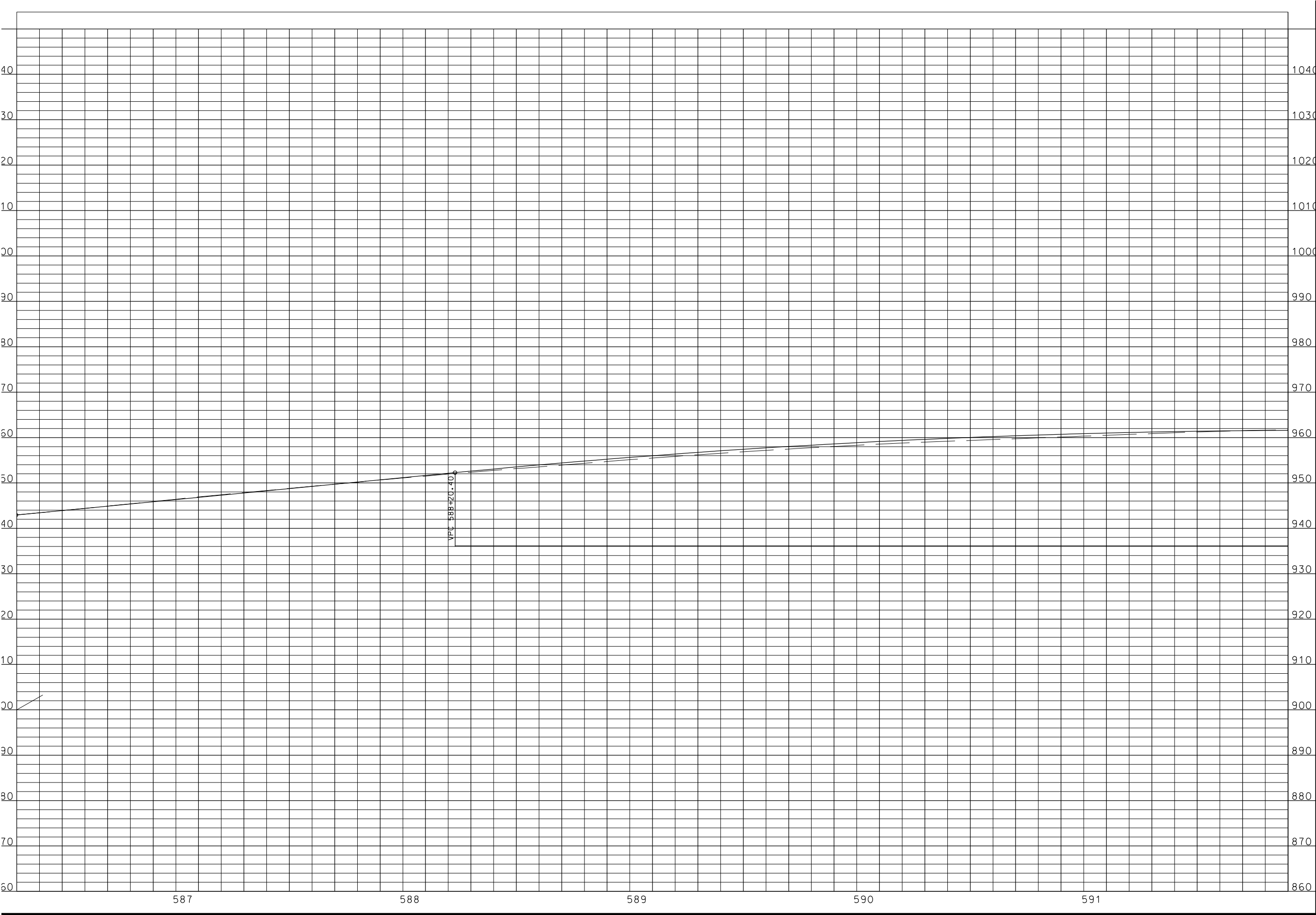
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PLAN SHEET
SHEET 1 OF 9

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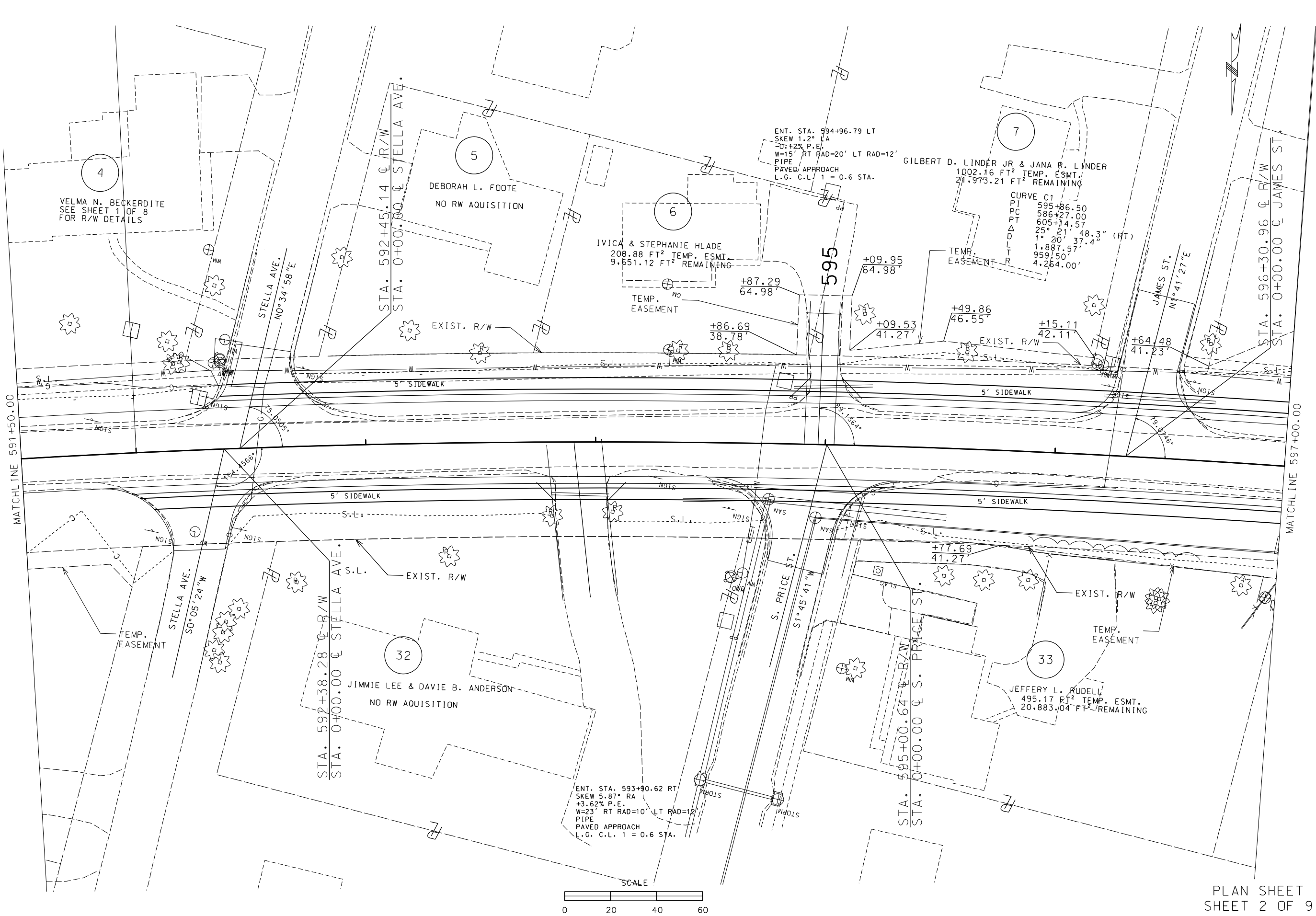
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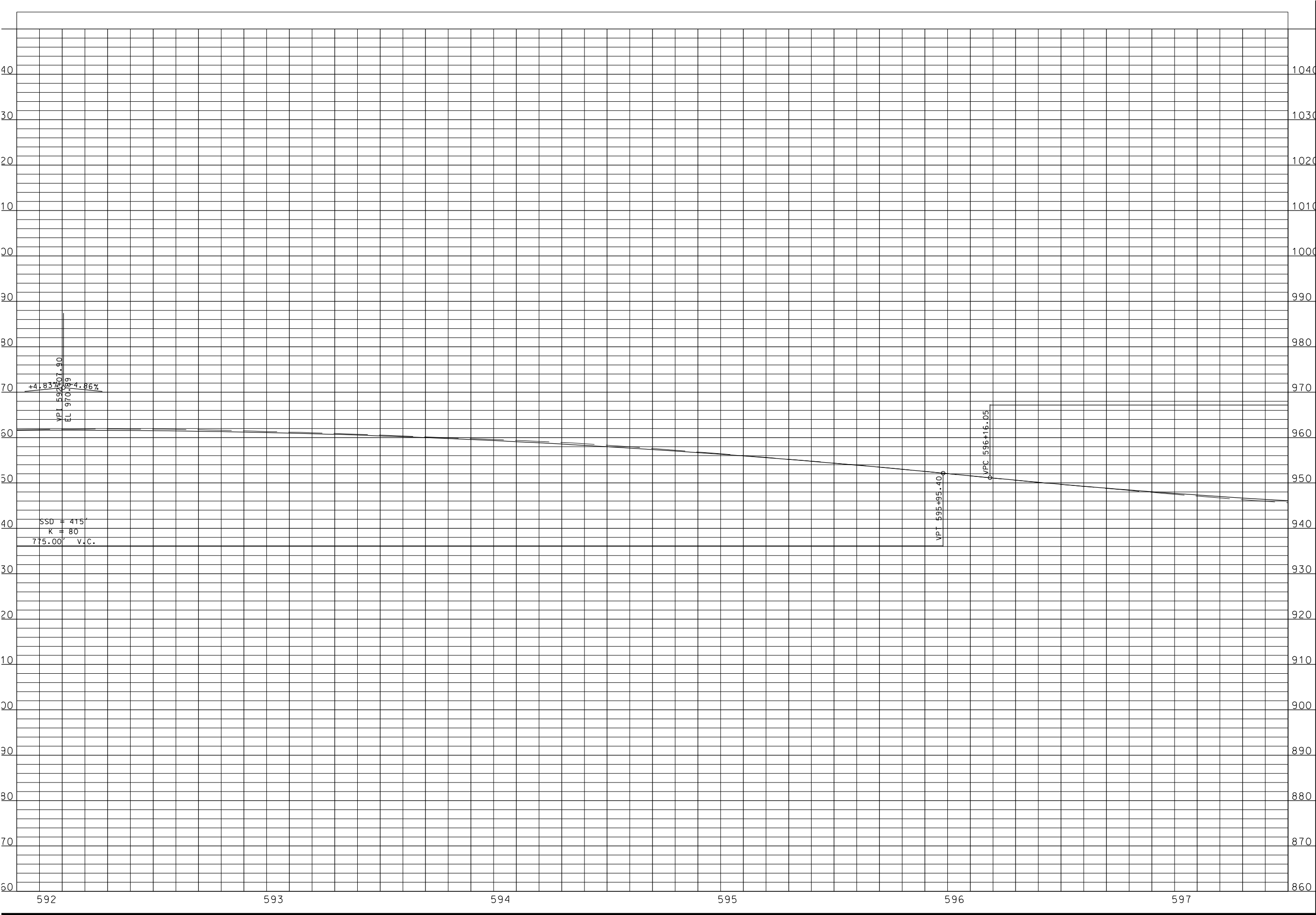
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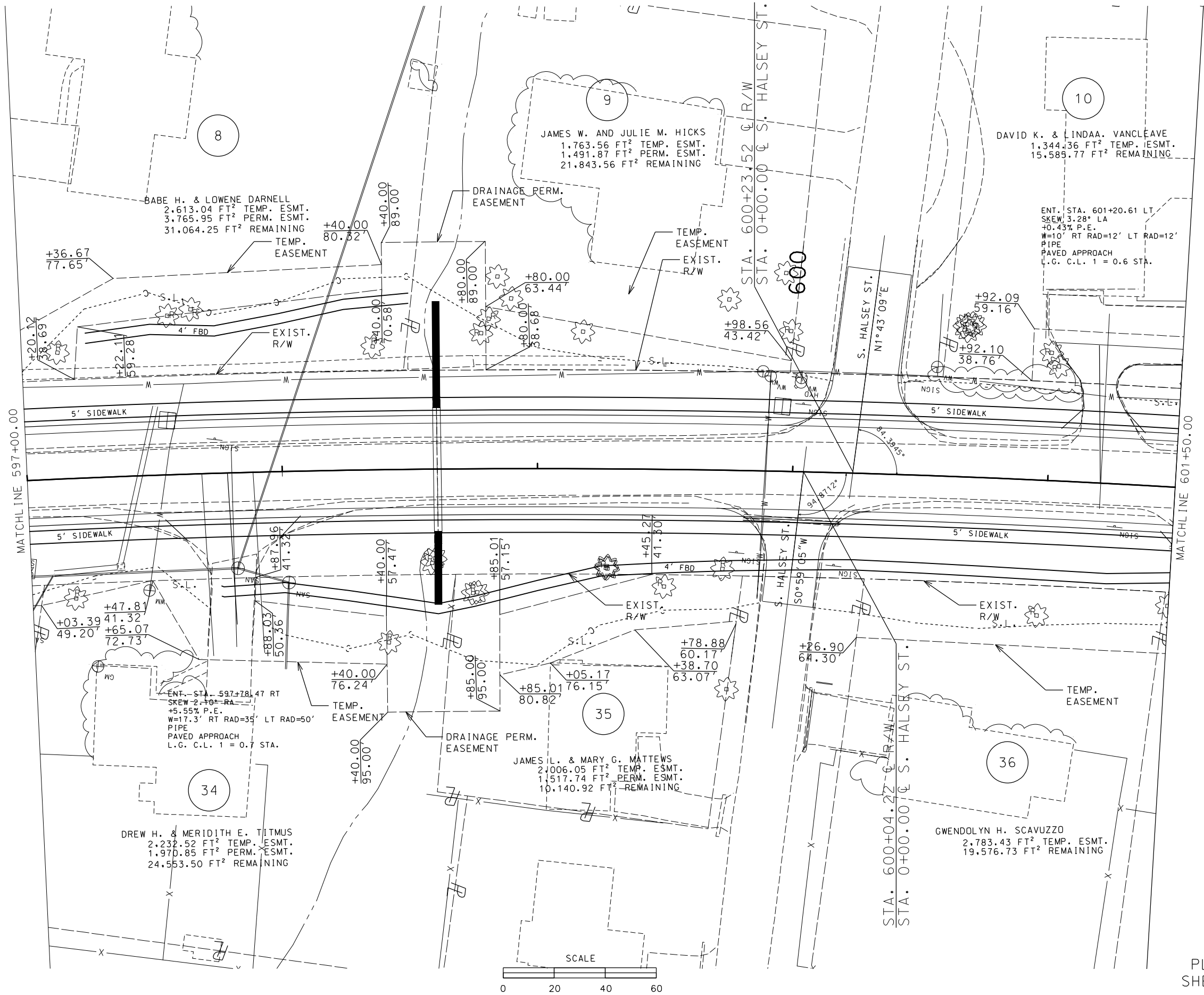
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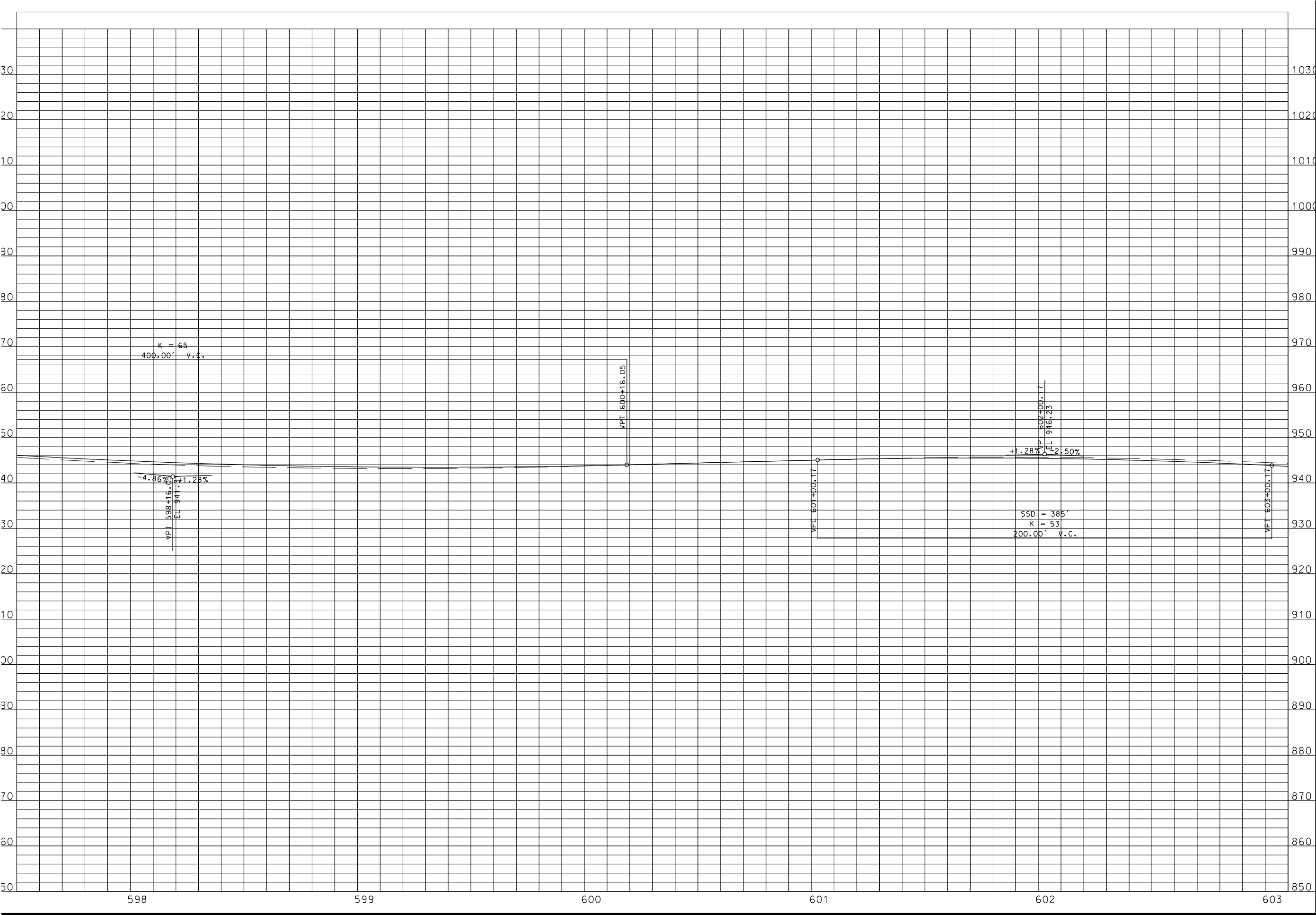
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PLAN SHEET
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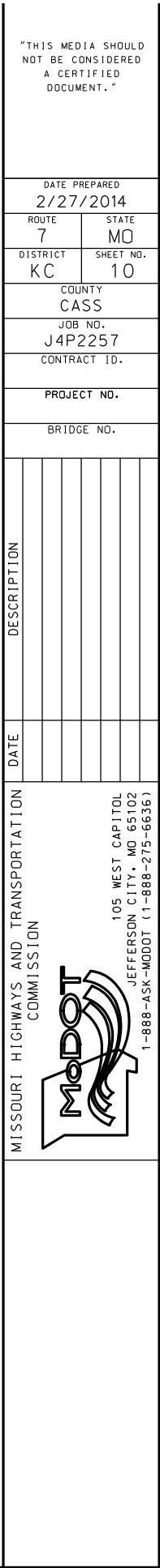
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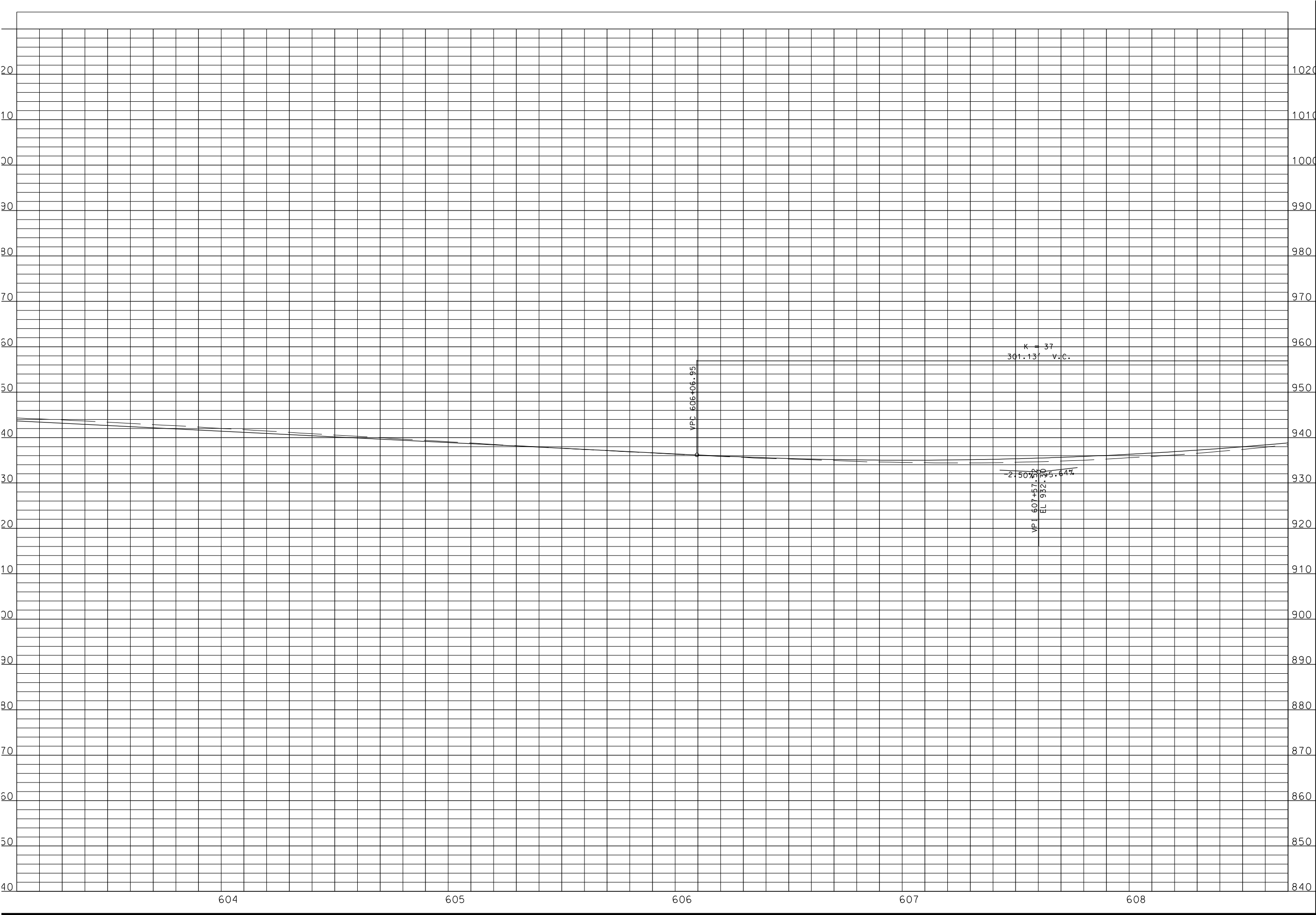


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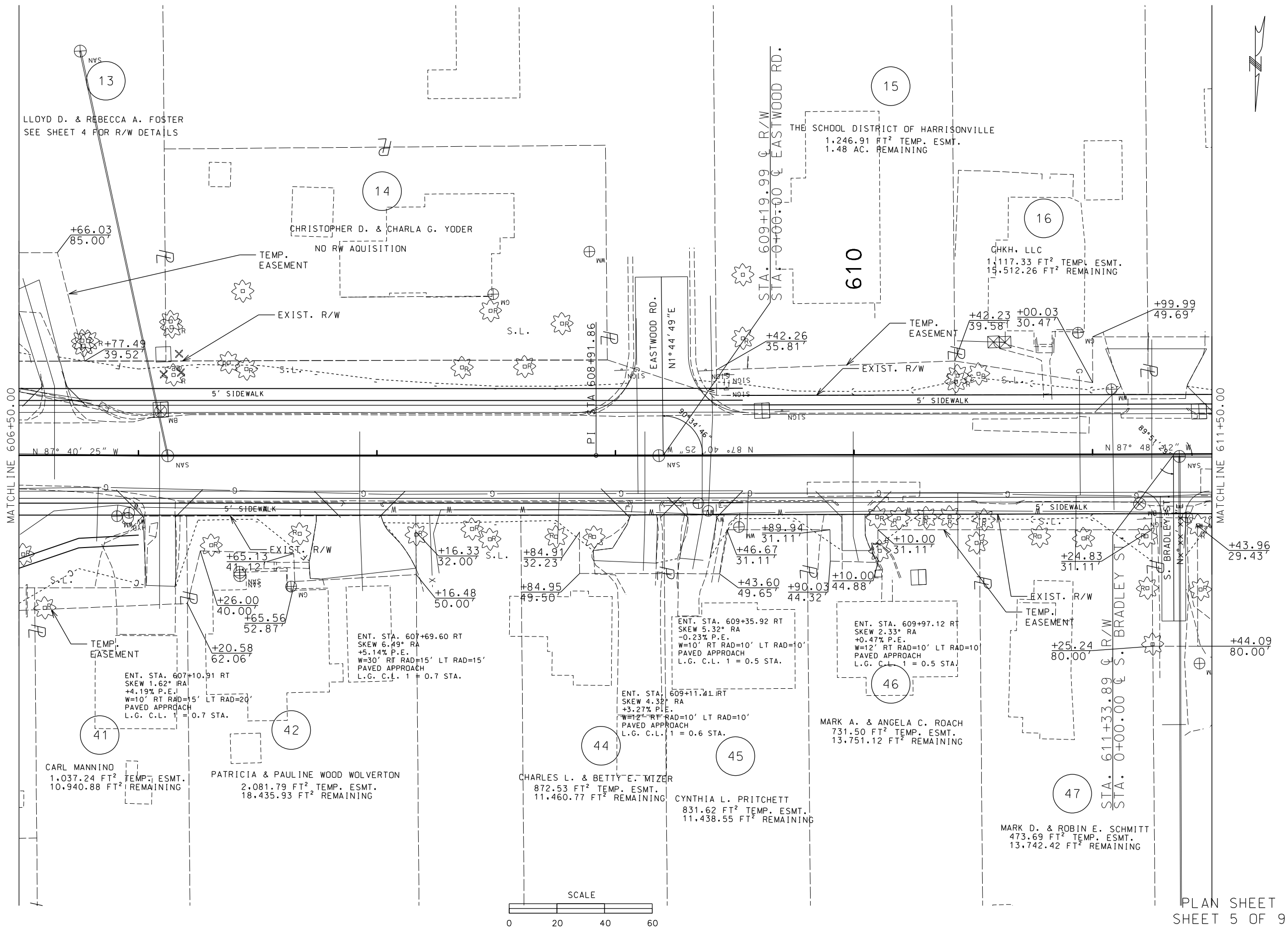
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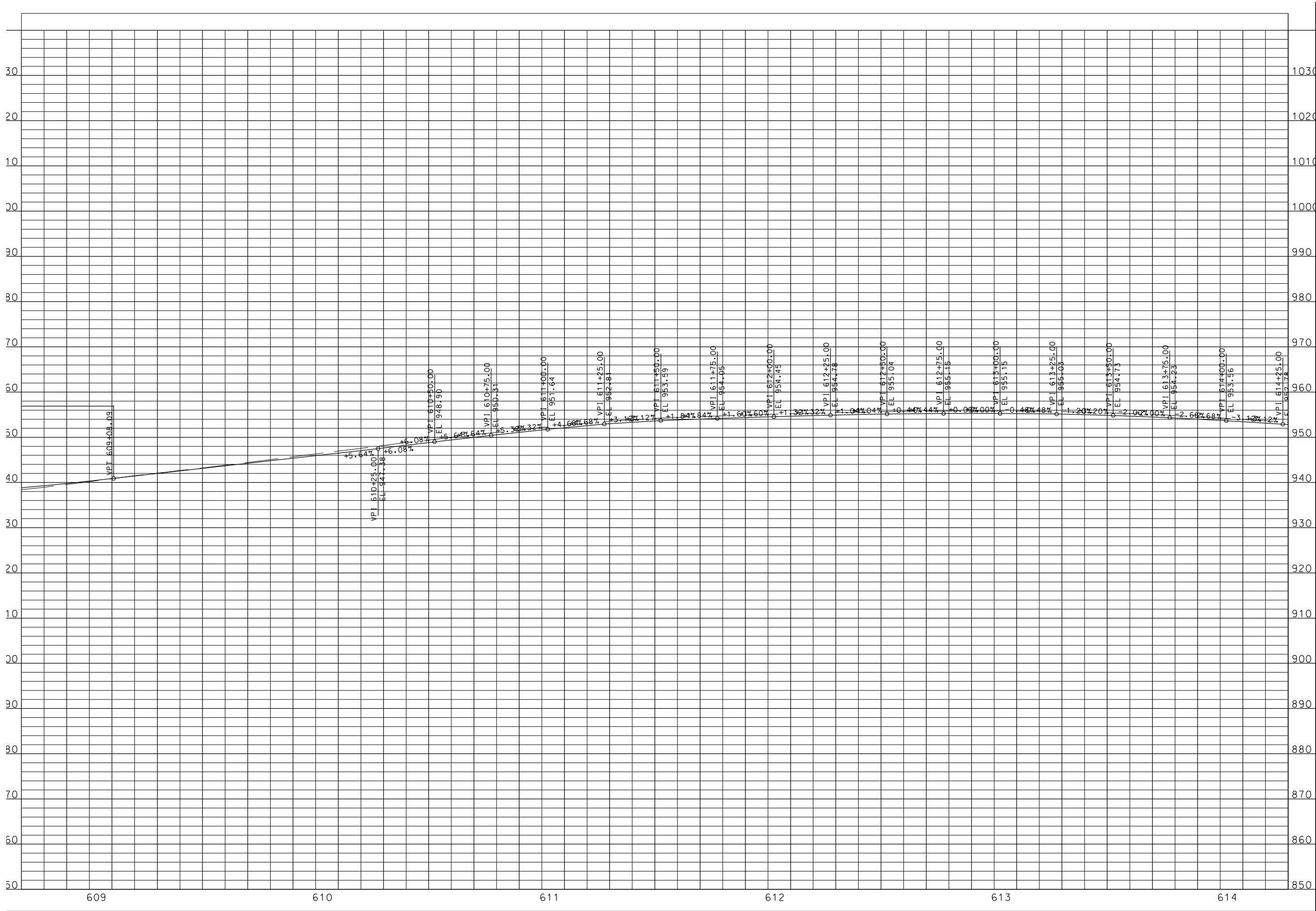
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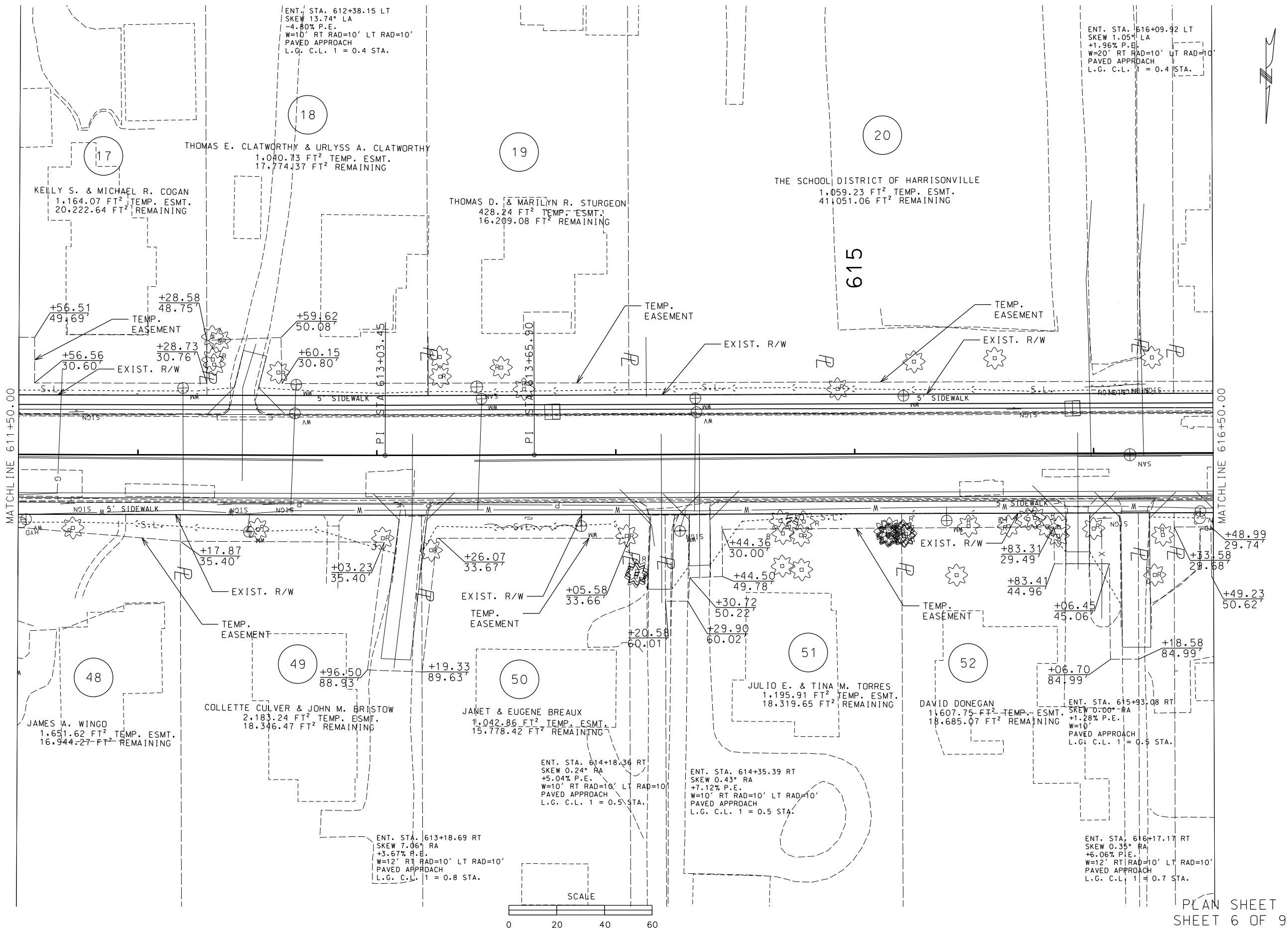


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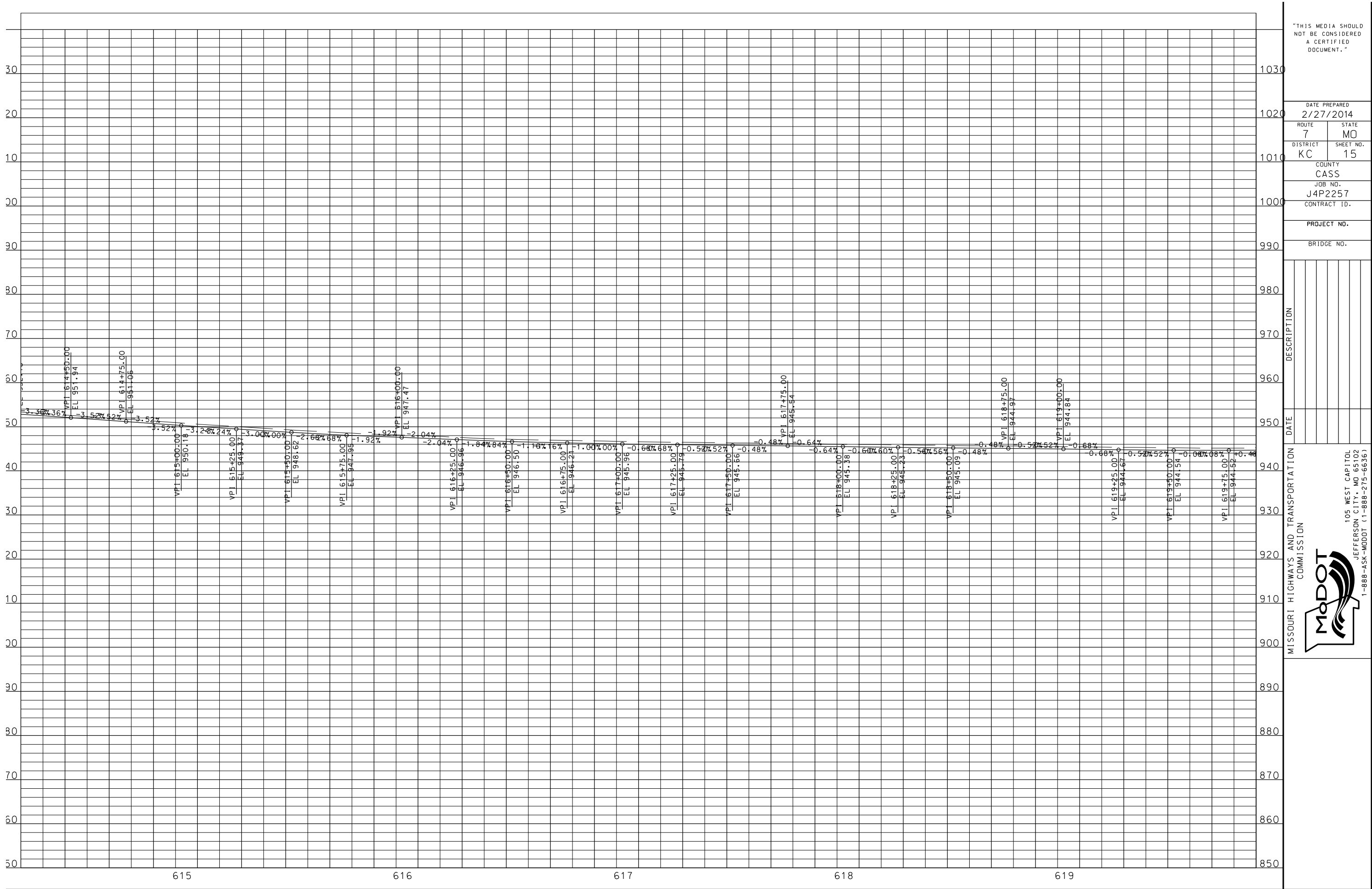
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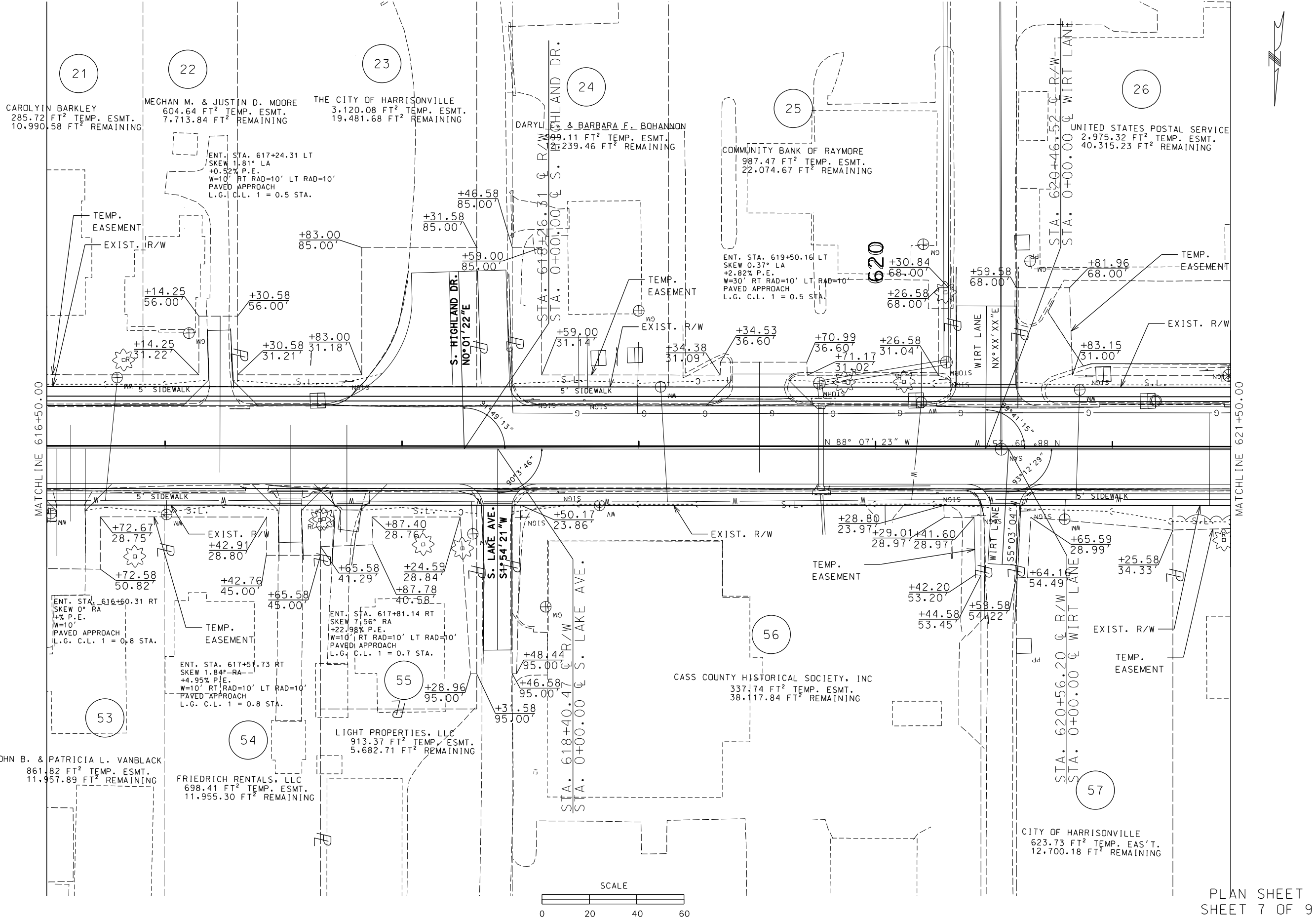


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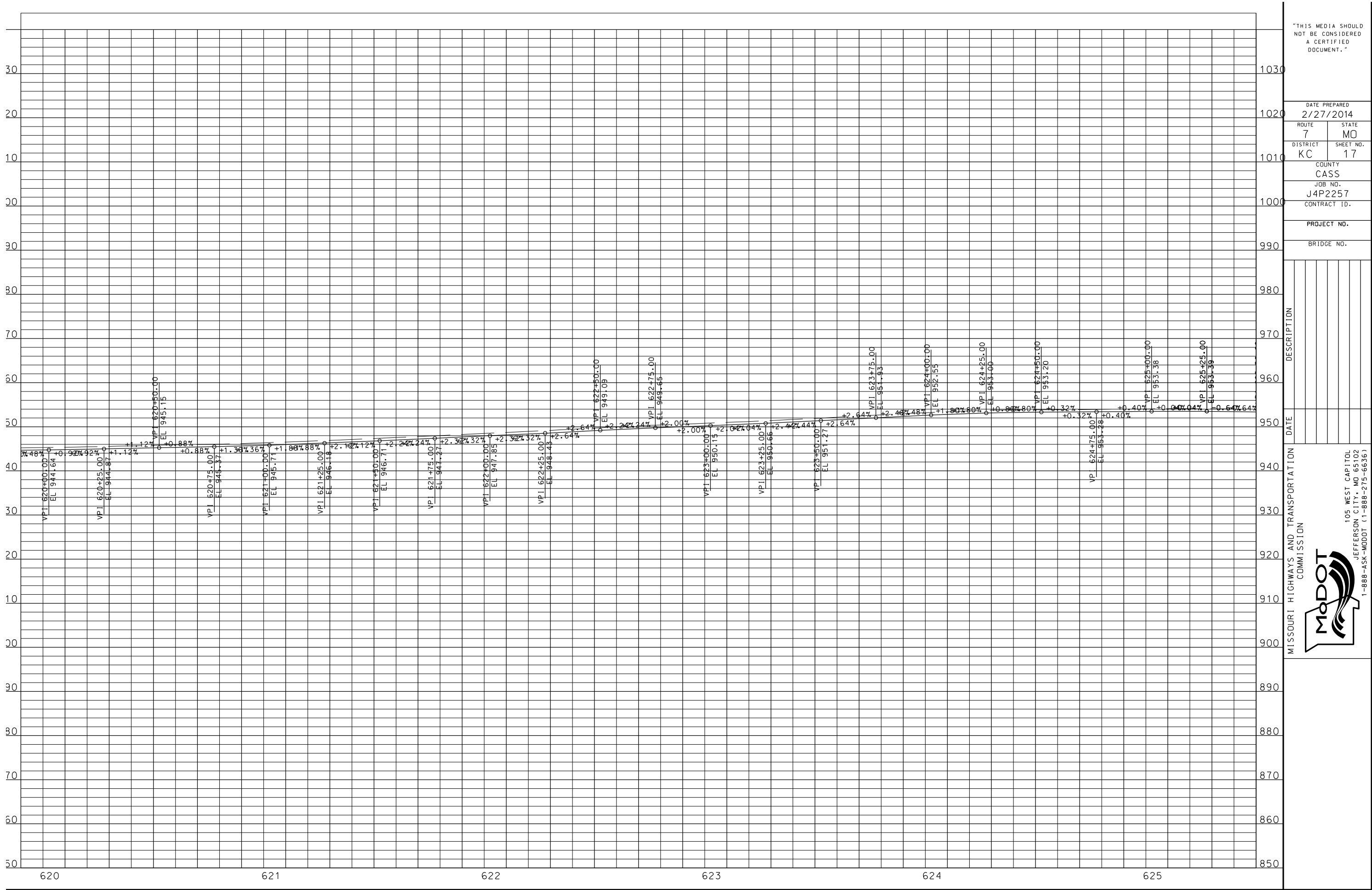
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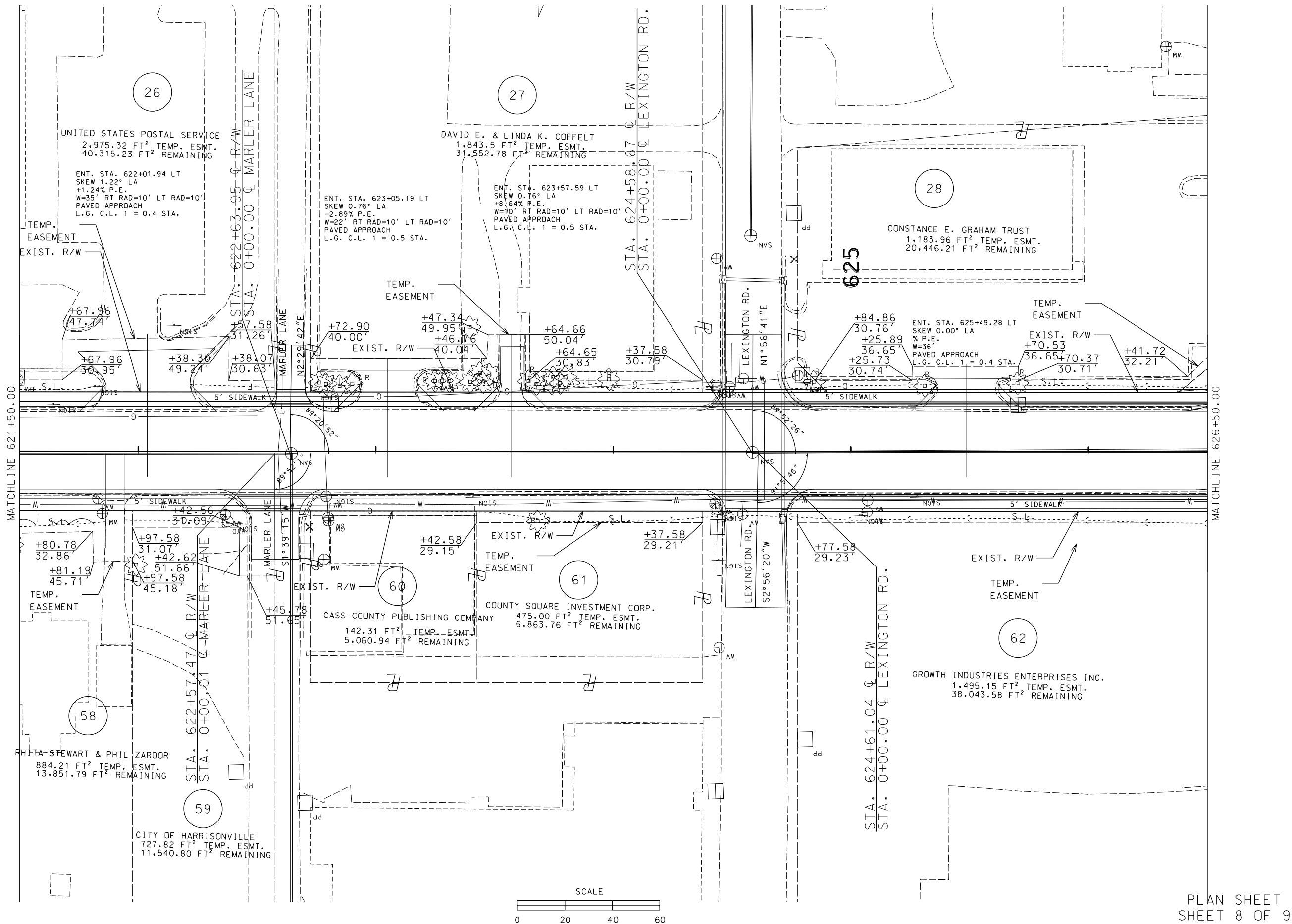




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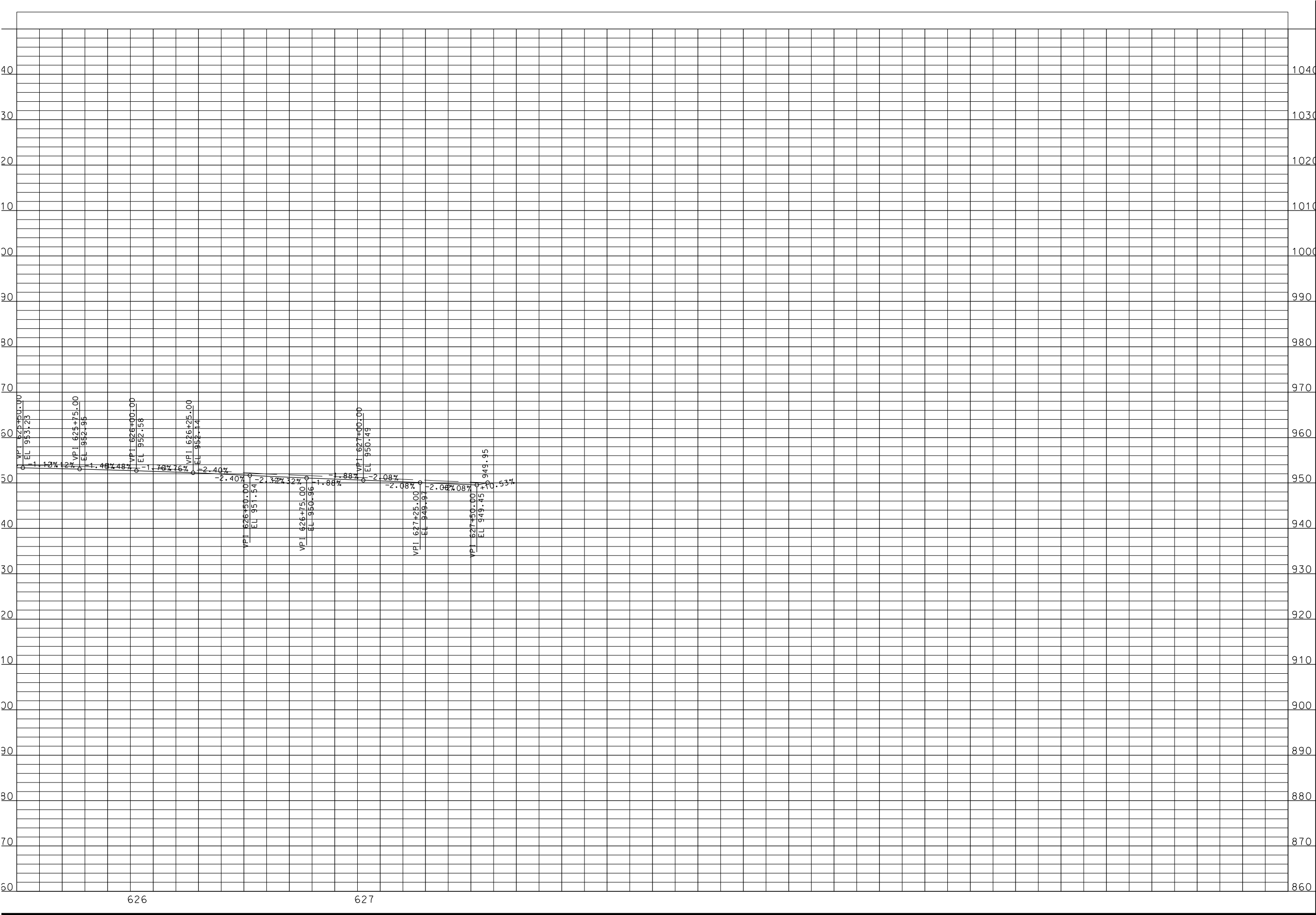
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ROUTE 7	STATE MO
DISTRICT KC	SHEET NO. 18
COUNTY CASS	
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DESCRIPTION	DATE
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DISTRICT
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CONTRACT ID.

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BRIDGE NO.

DESCRIPTION

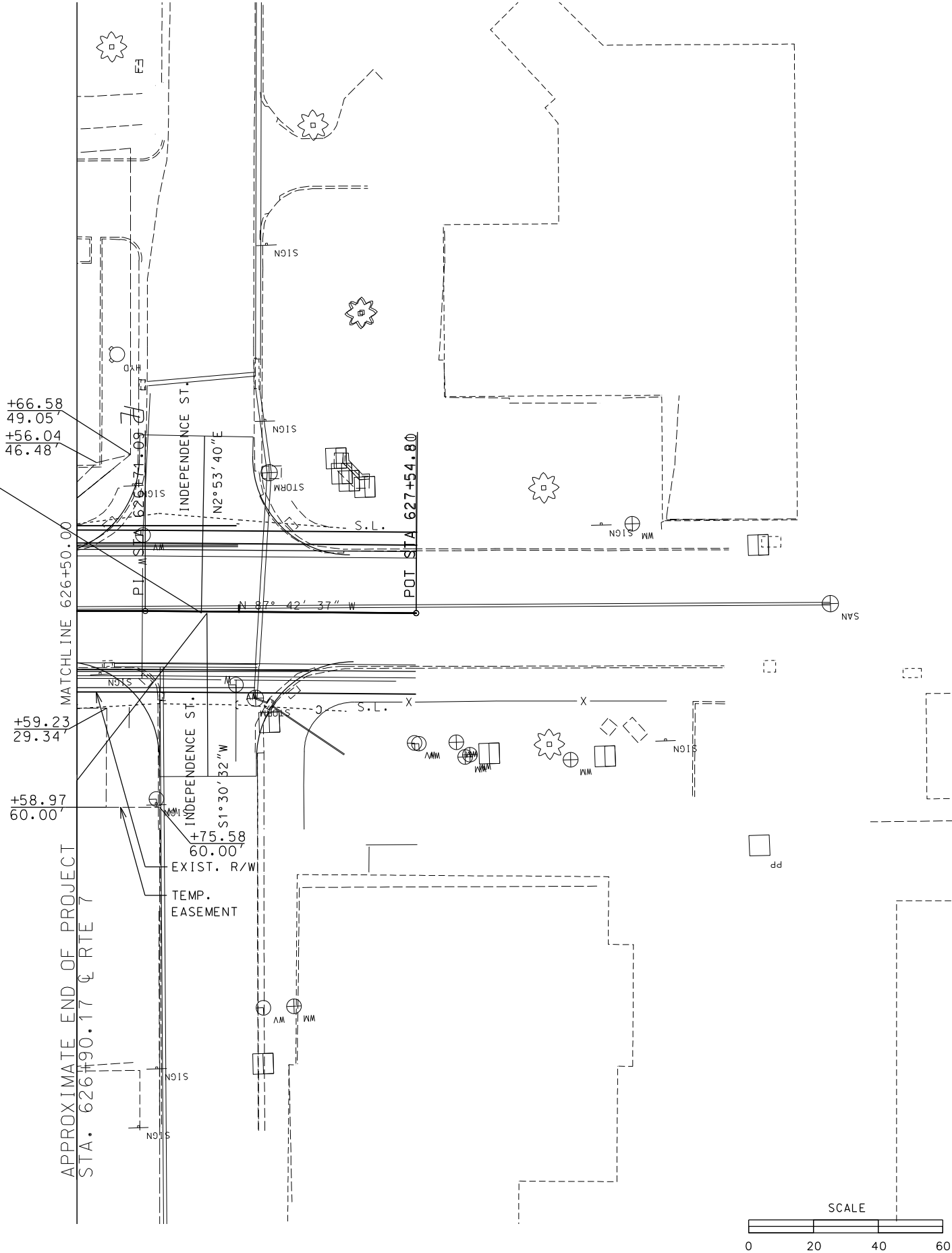
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

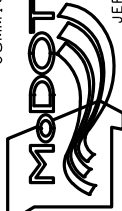
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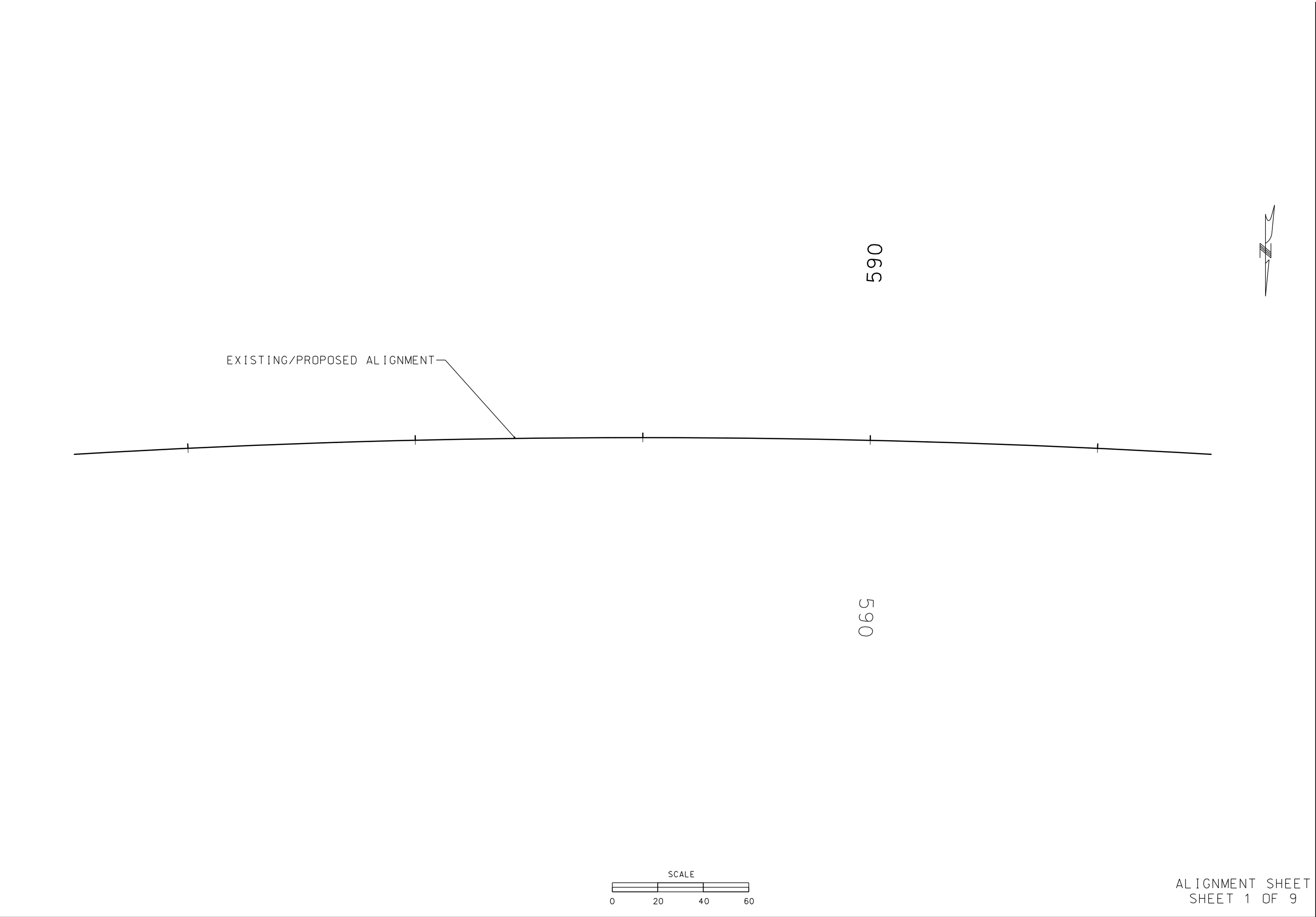
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PLAN SHEET
SHEET 9 OF 9

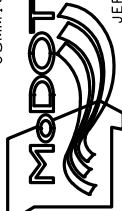
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DATE PREPARED 2/27/2014	
ROUTE 7	STATE MO
DISTRICT KC	SHEET NO. 20
COUNTY CASS	
JOB NO. J4P2257	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	
DESCRIPTION	DATE
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION	
	
105 WEST CAPITAL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)	

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATE



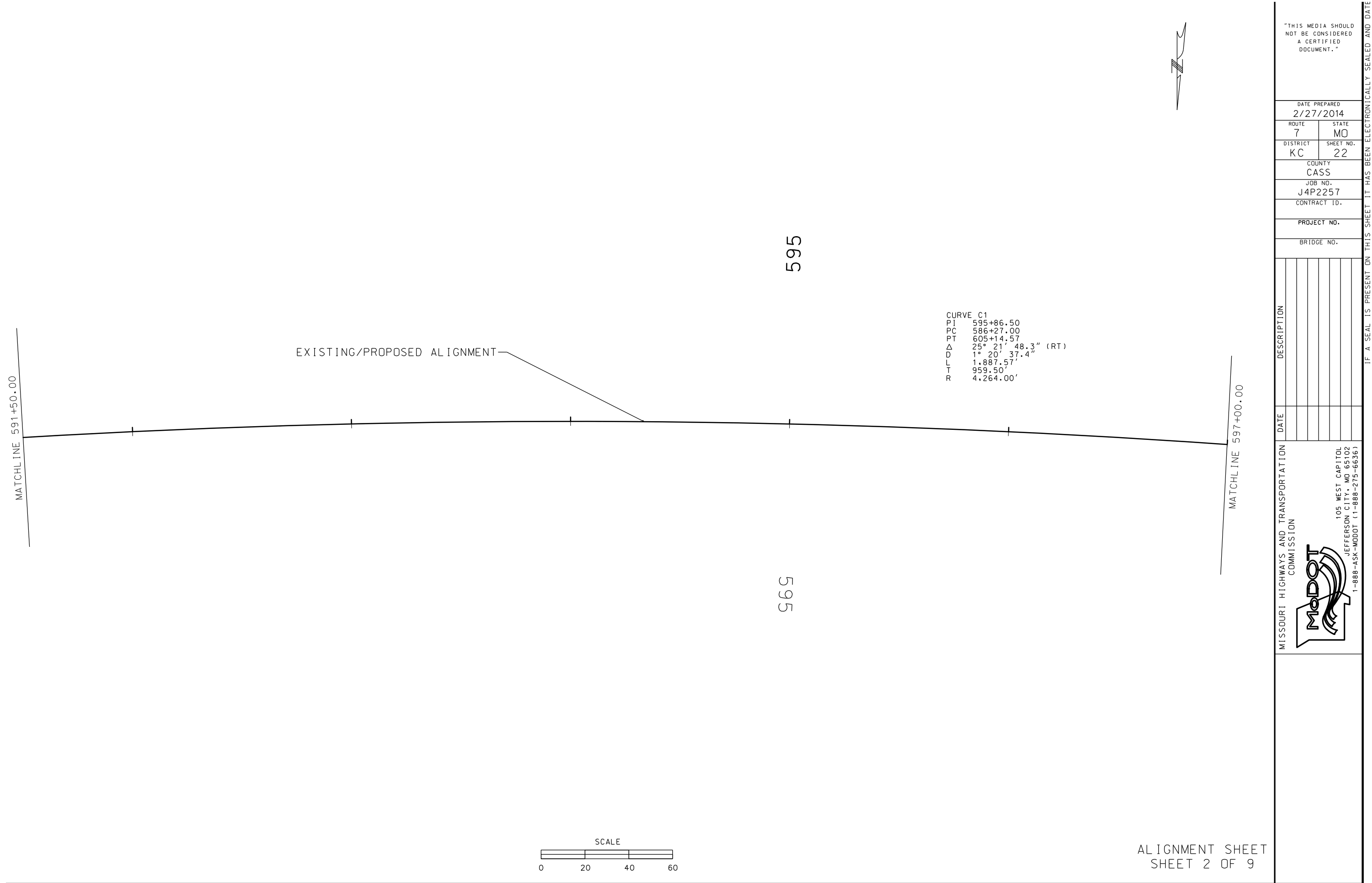
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DATE PREPARED 2/27/2014	
ROUTE 7	STATE MO
DISTRICT KC	SHEET NO. 21
COUNTY CASS	
JOB NO. J4P2257	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	
DESCRIPTION	DATE

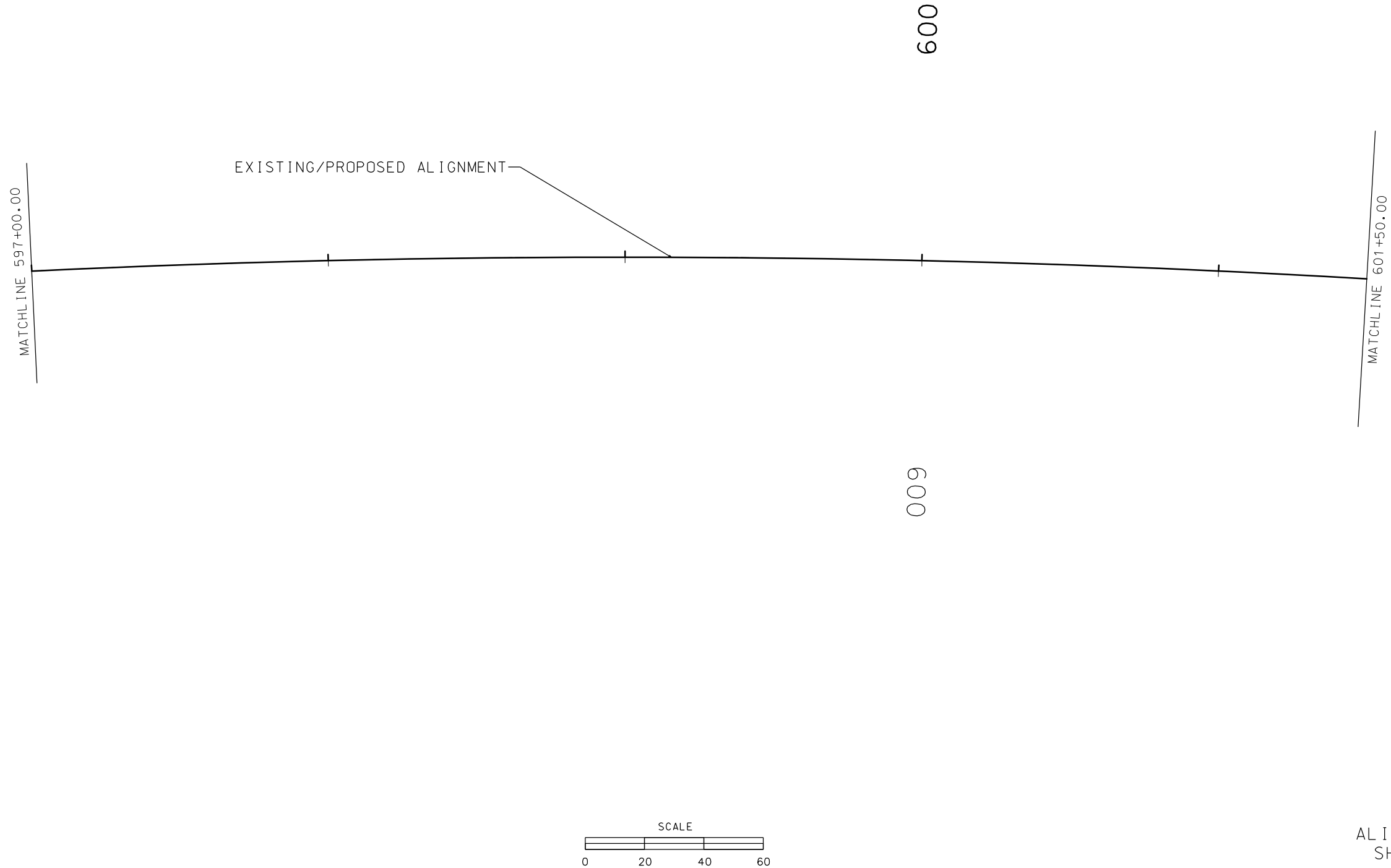
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



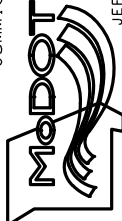
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATE

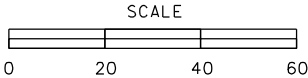
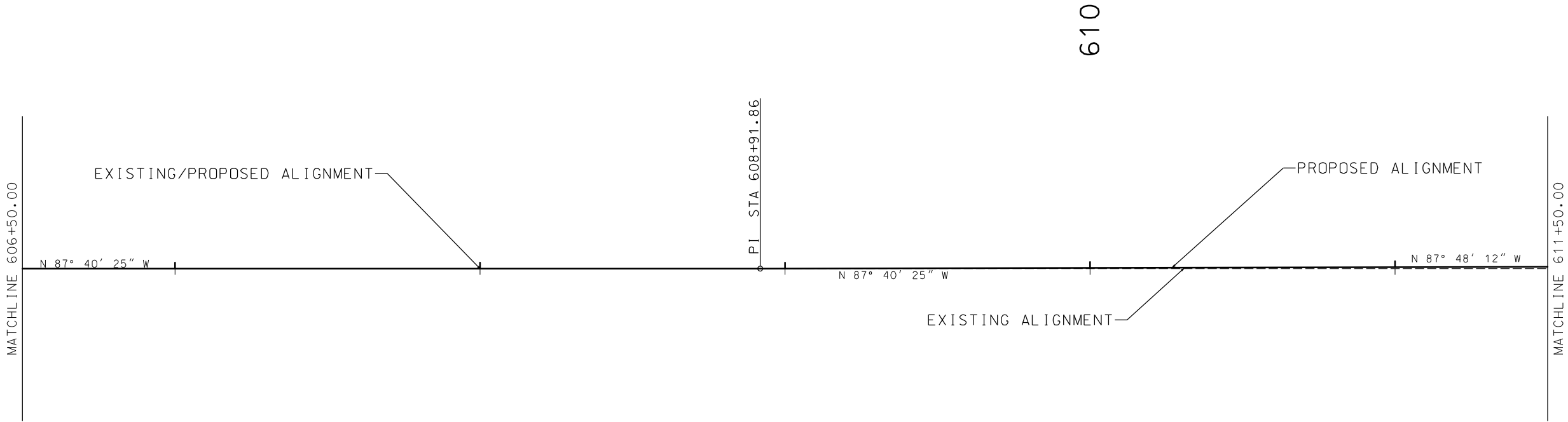




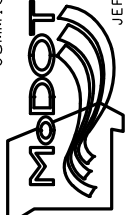
ALIGNMENT SHEET
SHEET 3 OF 9

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION		DATE		DESCRIPTION	
 105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)					
"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."		DATE PREPARED 2/27/2014			
ROUTE 7		STATE MO			
DISTRICT KC		SHEET NO. 23			
COUNTY CASS		JOB NO. J4P2257			
CONTRACT ID.		PROJECT NO.			
BRIDGE NO.					

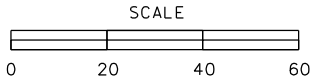
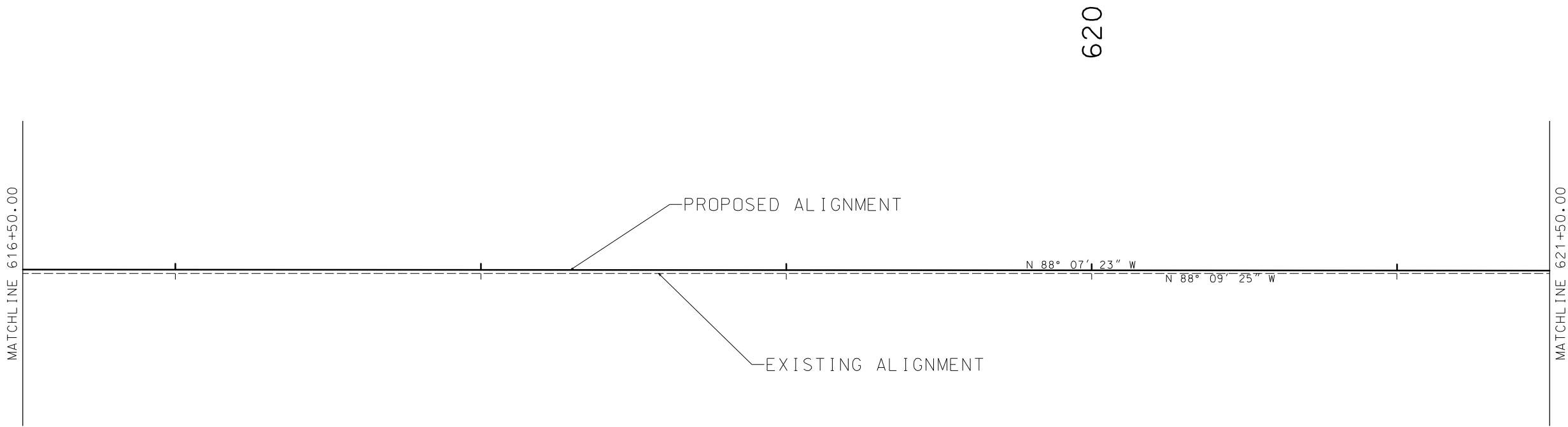
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATE



ALIGNMENT SHEET
SHEET 5 OF 9

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION		DATE		DESCRIPTION	
 105 WEST CAPITAL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)					
"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."		DATE PREPARED 2/27/2014			
ROUTE 7		STATE MO			
DISTRICT KC		SHEET NO. 25			
COUNTY CASS		JOB NO. J4P2257			
CONTRACT ID.		PROJECT NO.			
BRIDGE NO.					

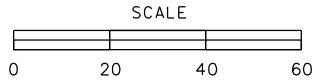
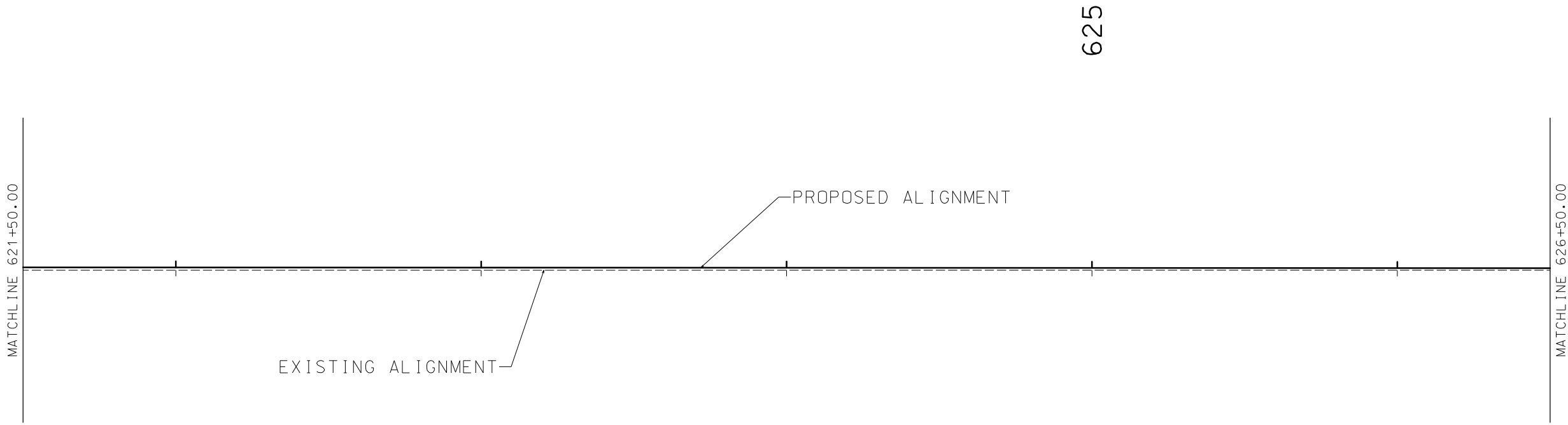
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATE



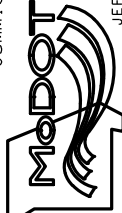
ALIGNMENT SHEET
SHEET 7 OF 9



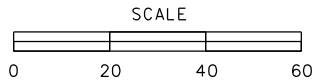
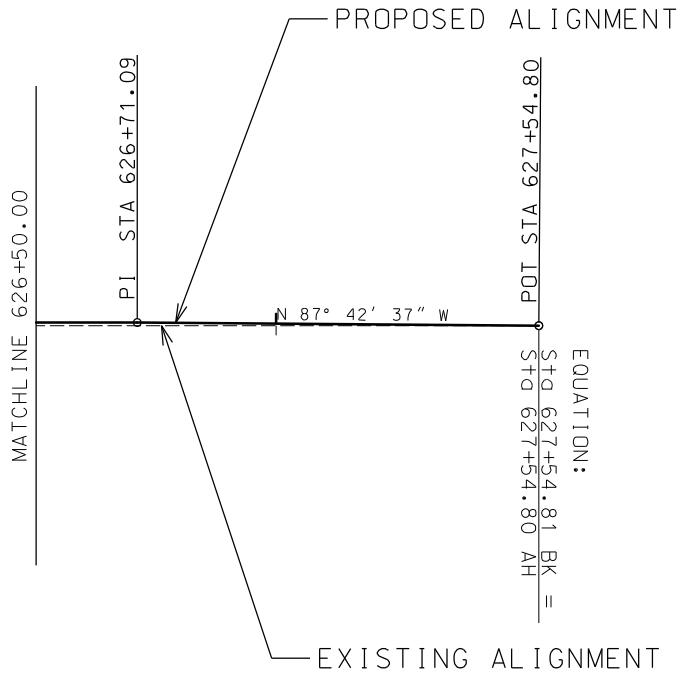
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION		DATE		DESCRIPTION	
 105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)					
COUNTY CASS		ROUTE 7		STATE MO	
JOB NO. J4P2257		DISTRICT KC		SHEET NO. 27	
CONTRACT ID.		PROJECT NO.			
BRIDGE NO.		IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATE			
"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."					



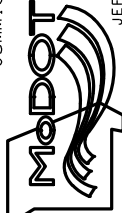
ALIGNMENT SHEET
SHEET 8 OF 9

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION		DATE		DESCRIPTION	
 105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)					
"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."		DATE PREPARED 2/27/2014			
ROUTE 7		STATE MO			
DISTRICT KC		SHEET NO. 28			
COUNTY CASS		JOB NO. J4P2257			
		CONTRACT ID.			
		PROJECT NO.			
		BRIDGE NO.			

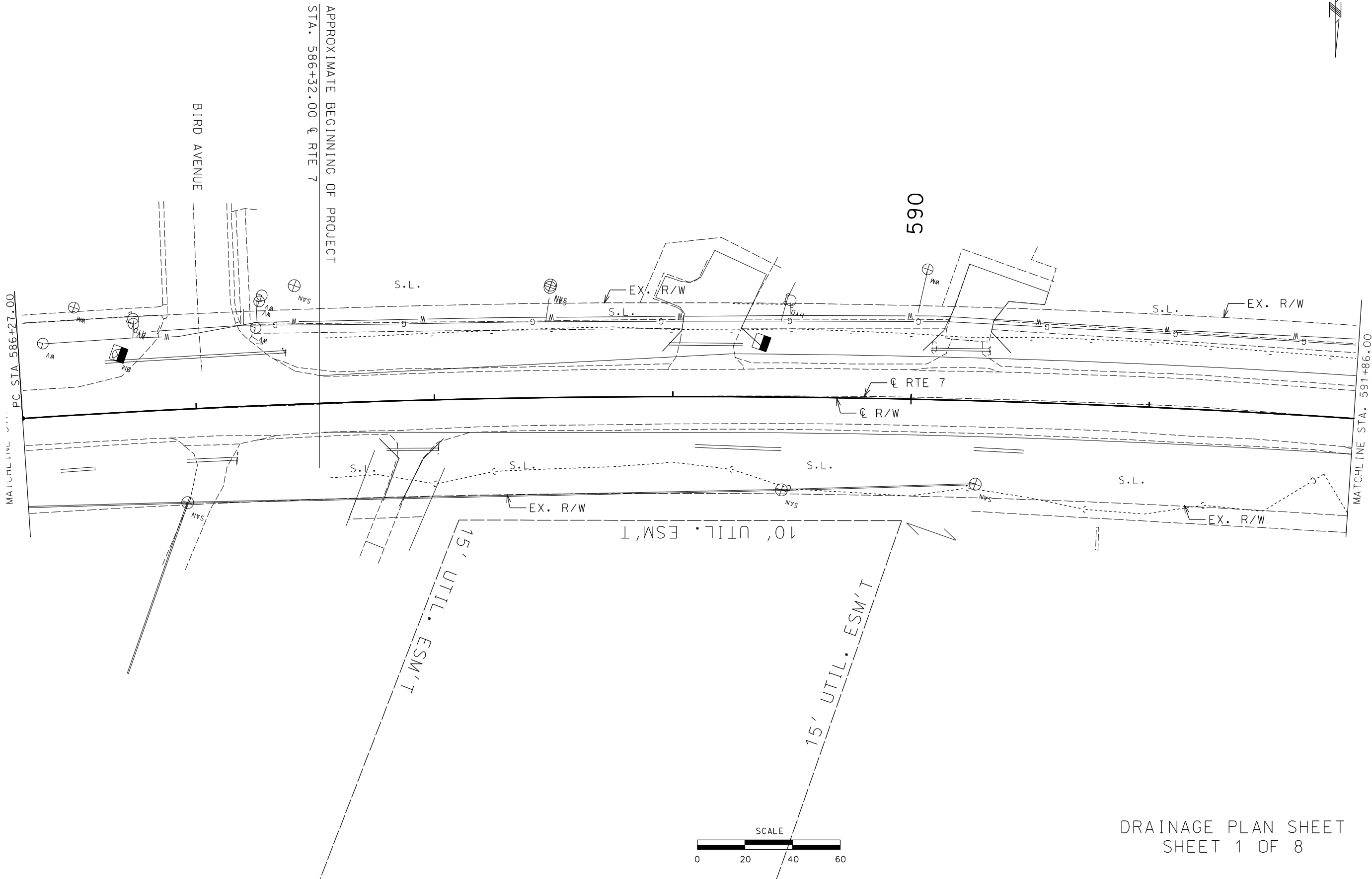
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATE



ALIGNMENT SHEET
SHEET 9 OF 9

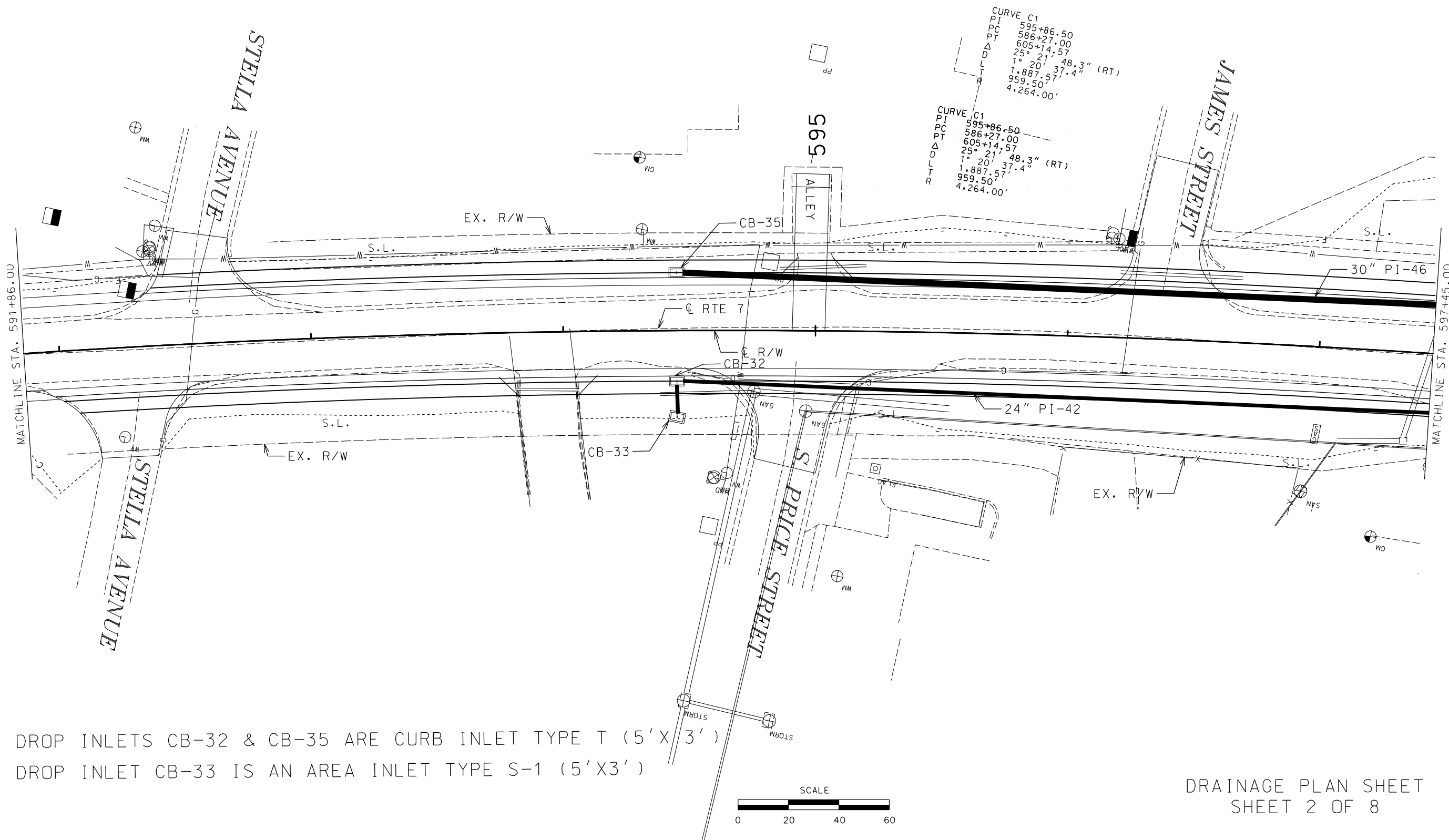
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DATE PREPARED 2/27/2014	
ROUTE 7	STATE MO
DISTRICT KC	SHEET NO. 29
COUNTY CASS	
JOB NO. J4P2257	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	
DESCRIPTION	DATE
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION	
 105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)	

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATE



DRAINAGE PLAN SHEET
SHEET 1 OF 8

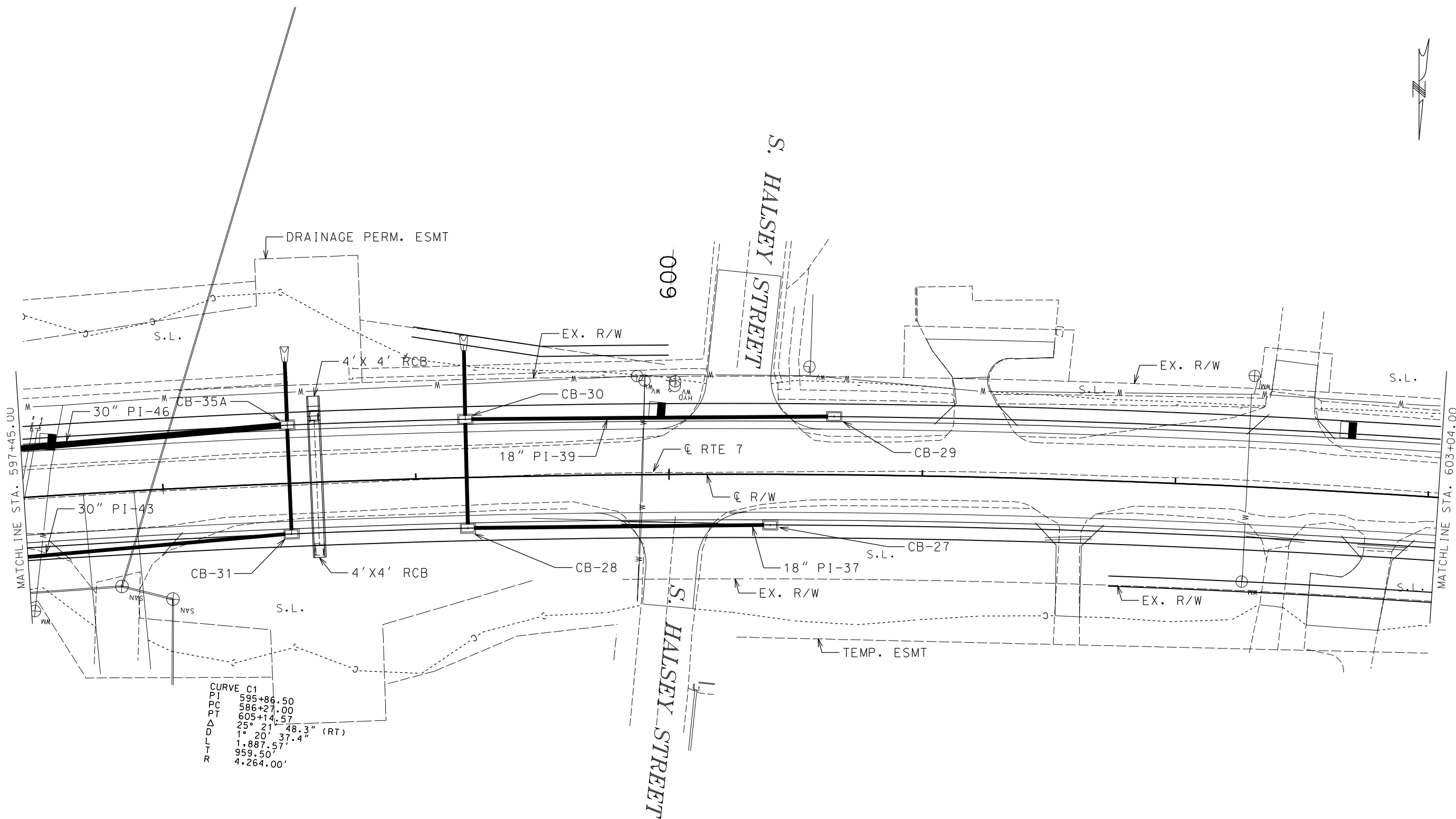
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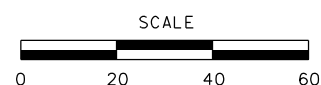
DROP INLETS CB-32 & CB-35 ARE CURB INLET TYPE T (5'X3')

DROP INLET CB-33 IS AN AREA INLET TYPE S-1 (5'X3')

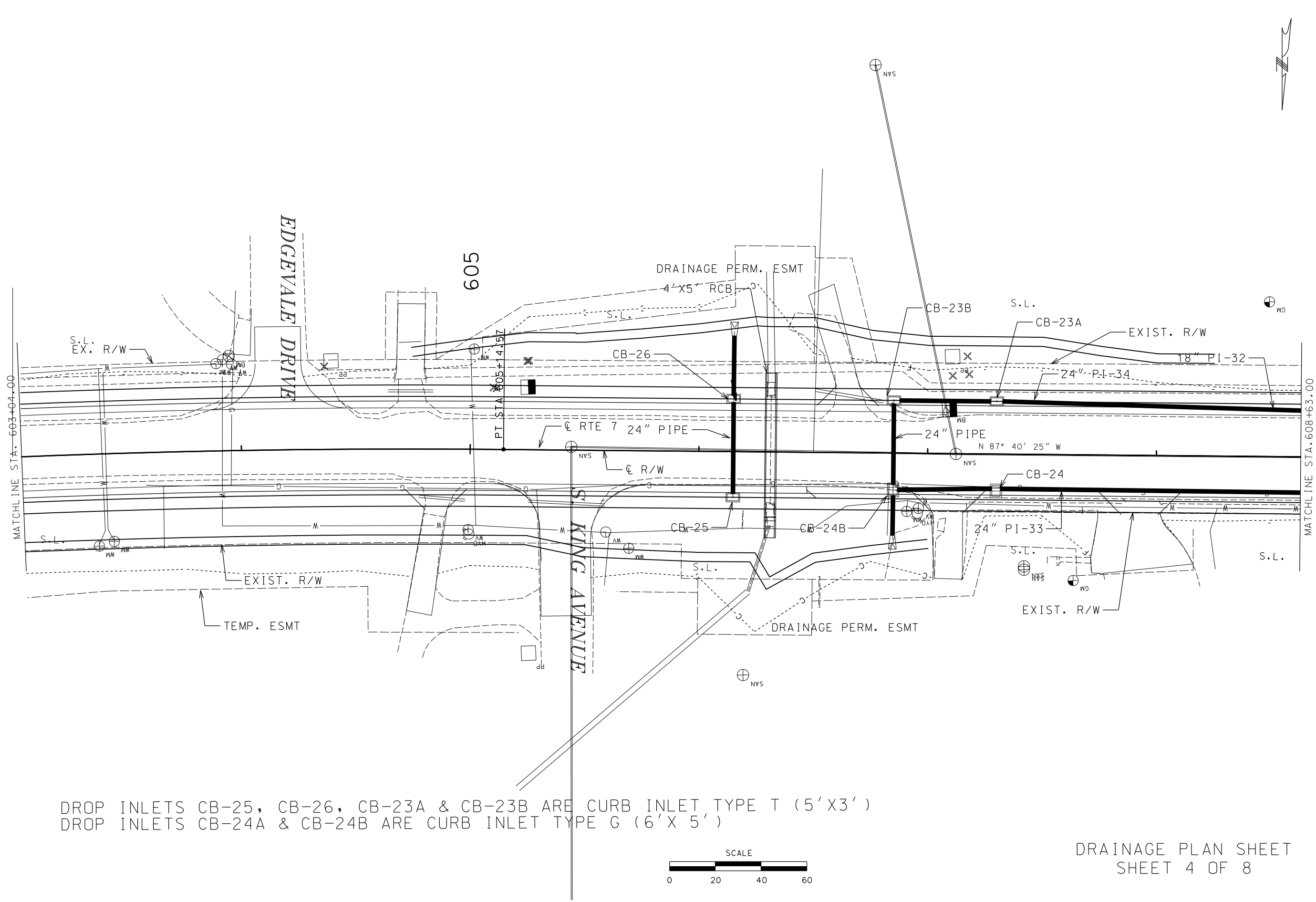
DRAINAGE PLAN SHEET
SHEET 2 OF 8



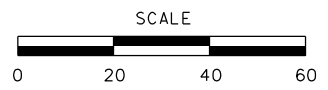
ALL DROP INLETS ARE CURB INLETS TYPE T (5' X 3')



DRAINAGE PLAN SHEET
SHEET 3 OF 8



DROP INLETS CB-25, CB-26, CB-23A & CB-23B ARE CURB INLET TYPE T (5' X 3')
DROP INLETS CB-24A & CB-24B ARE CURB INLET TYPE G (6' X 5')



DRAINAGE PLAN SHEET
SHEET 4 OF 8

"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."

DATE PREPARED
2/27/2014

ROUTE 7	STATE MO
DISTRICT KC	SHEET NO. XX

COUNTY
CASS

JOB NO.
J4P2257

CONTRACT ID.

PROJECT NO.

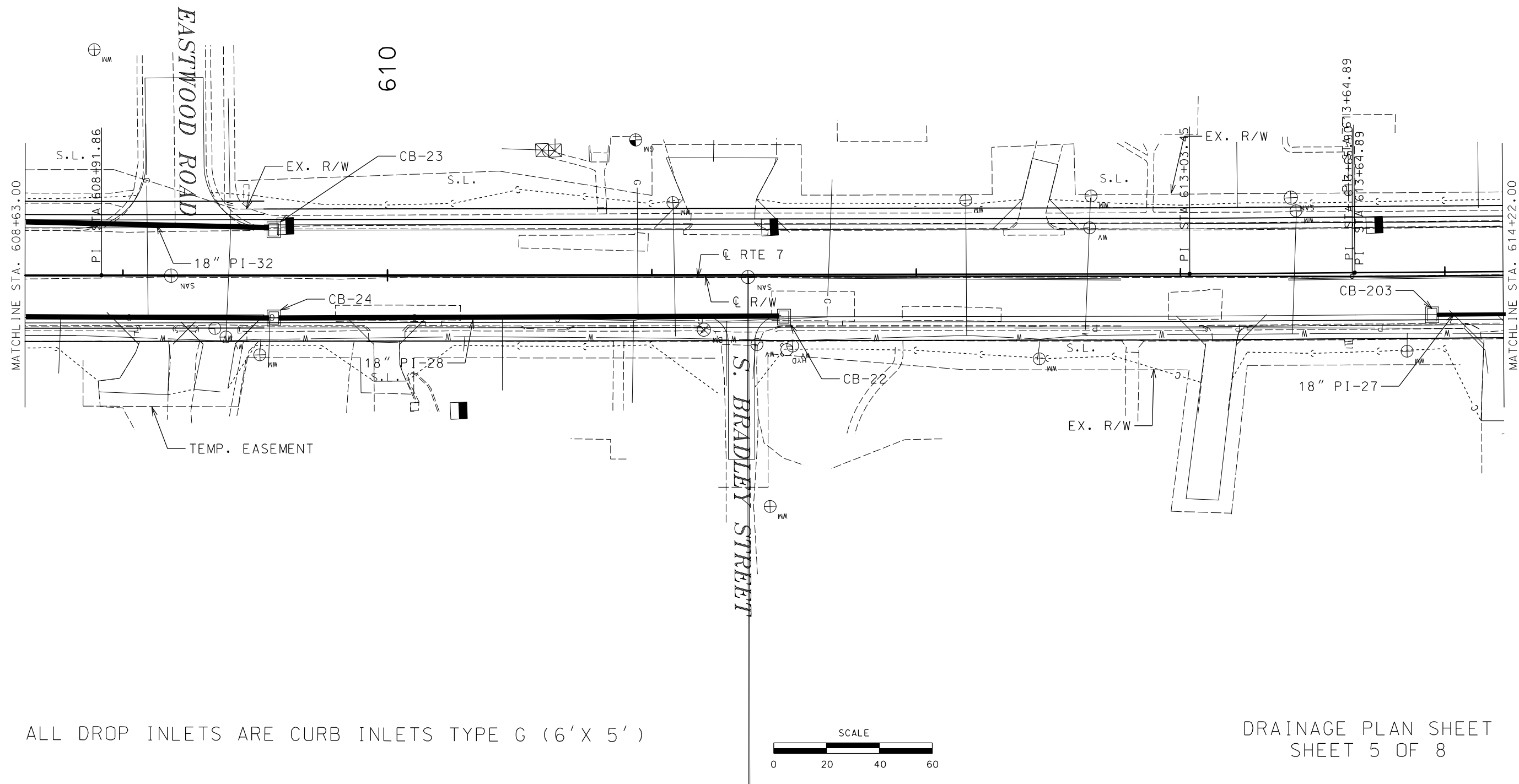
BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITAL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATE



ALL DROP INLETS ARE CURB INLETS TYPE G (6' X 5')

DRAINAGE PLAN SHEET
SHEET 5 OF 8

"THIS MEDIA SHOULD
NOT BE CONSIDERED
A CERTIFIED
DOCUMENT."

DATE PREPARED
2/27/2014

ROUTE 7	STATE MO
------------	-------------

DISTRICT KC	SHEET NO. XX
----------------	-----------------

COUNTY
CASS

JOB NO.
J4P2257

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

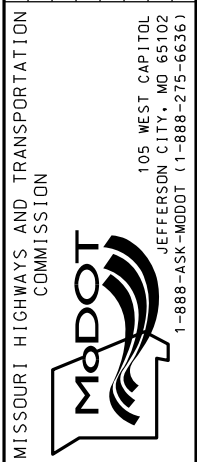
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DATE	

**MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION**

The logo for the Missouri Department of Transportation (MoDOT) features the word "MoDOT" in a bold, sans-serif font. Below the text is a stylized graphic of a road or highway with three curved lines representing lanes, leading towards a horizon.

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



**MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION**

 **MoDOT**

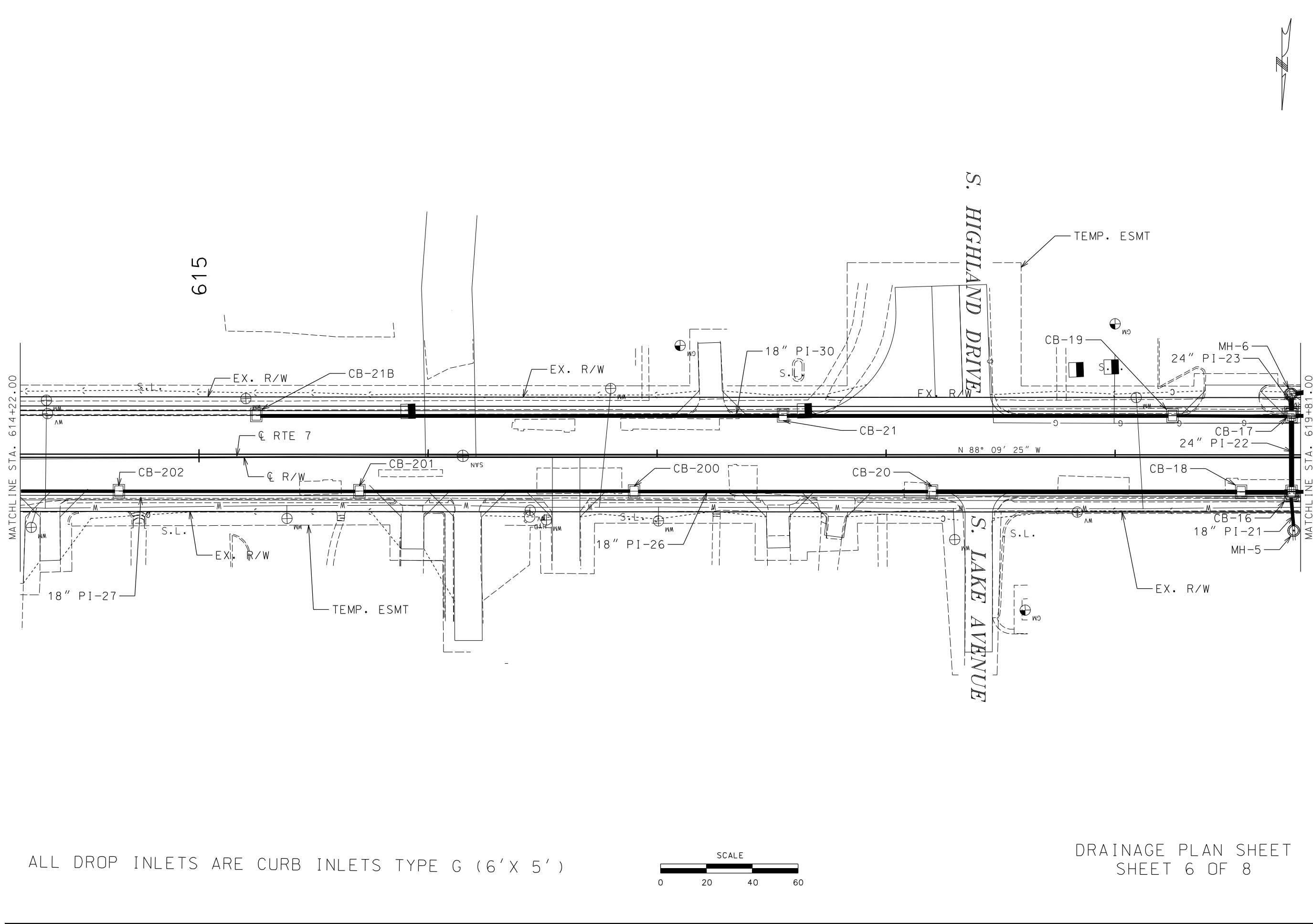
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."					
DATE PREPARED 2/27/2014					
ROUTE 7		STATE MO			
DISTRICT KC		SHEET NO. XX			
COUNTY CASS					
JOB NO. J4P2257					
CONTRACT ID.					
PROJECT NO.					
BRIDGE NO.					
DESCRIPTION					
DATE					
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION		 105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)			

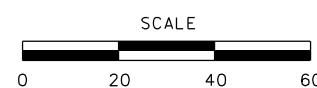
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Attachment: J4P2257 ROW PLANS.pdf (MECHANIC STREET J4P2257 PRESENTATION)

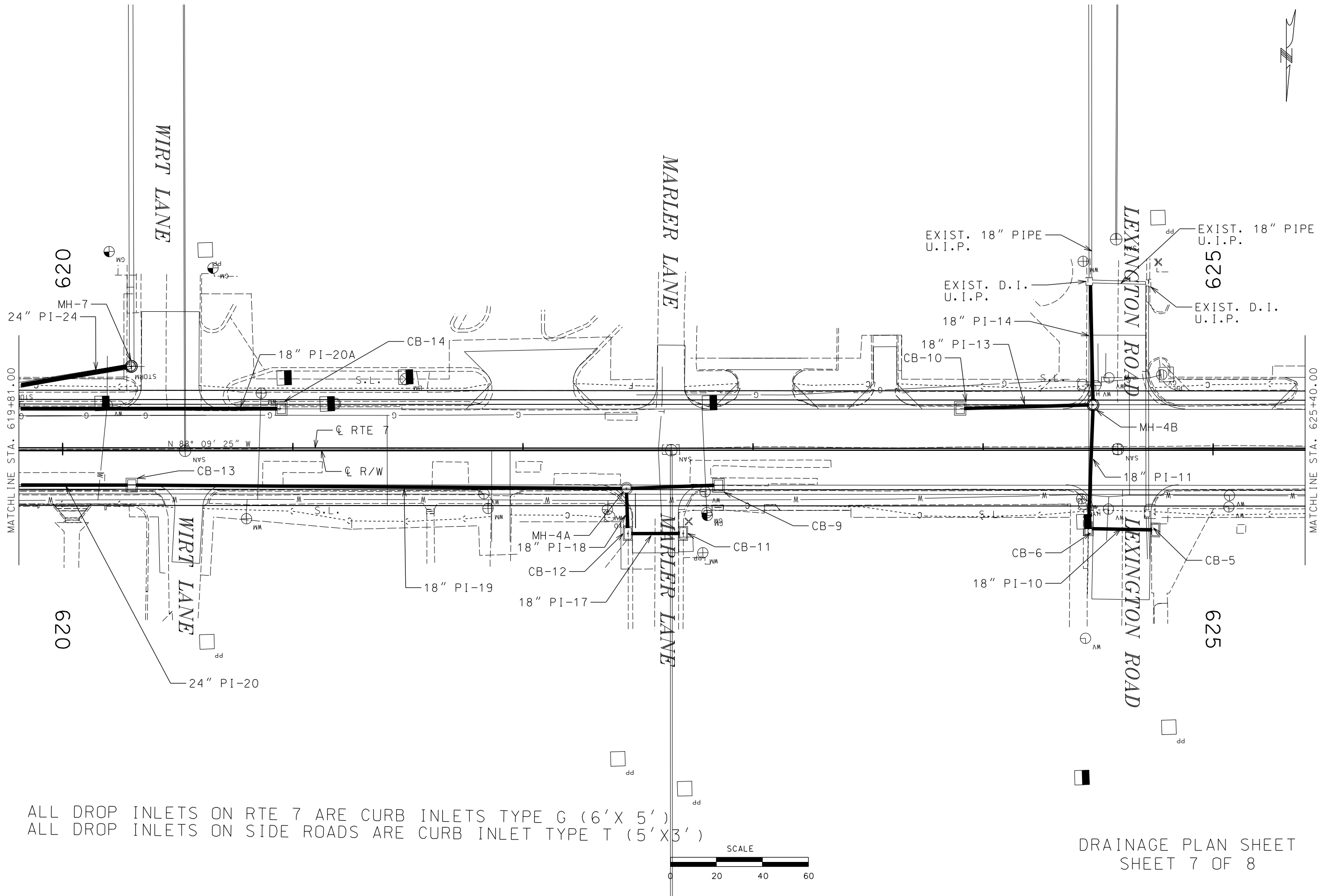
Packet Pg. 42



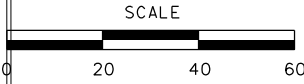
ALL DROP INLETS ARE CURB INLETS TYPE G (6'X 5')



DRAINAGE PLAN SHEET
SHEET 6 OF 8

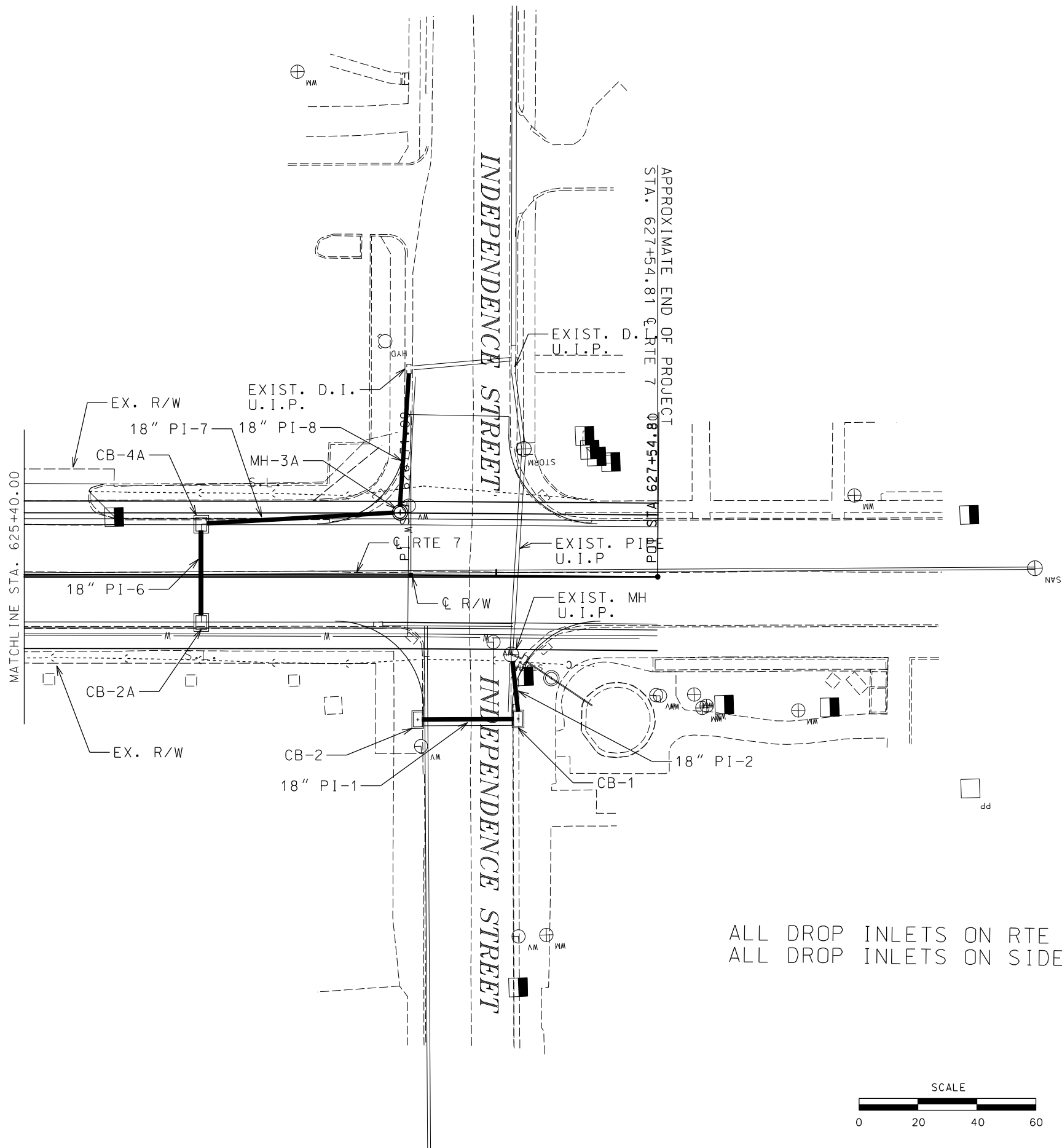


ALL DROP INLETS ON RTE 7 ARE CURB INLETS TYPE G (6'X 5')
ALL DROP INLETS ON SIDE ROADS ARE CURB INLET TYPE T (5'X3')



DRAINAGE PLAN SHEET
SHEET 7 OF 8

"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."	
DATE PREPARED 2/27/2014	
ROUTE 7	STATE MO
DISTRICT KC	SHEET NO. XX
COUNTY CASS	
JOB NO. J4P2257	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	
DESCRIPTION	DATE
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION	
105 WEST CAPITAL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)	
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATE	

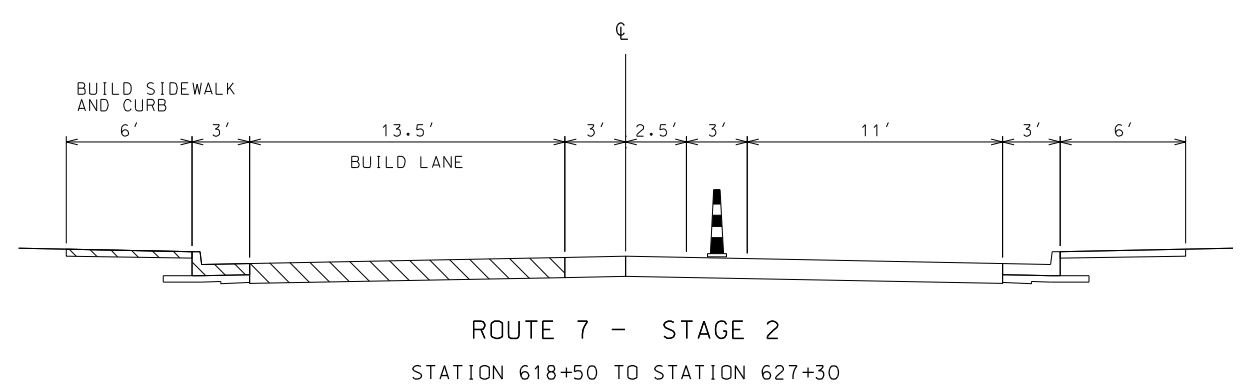
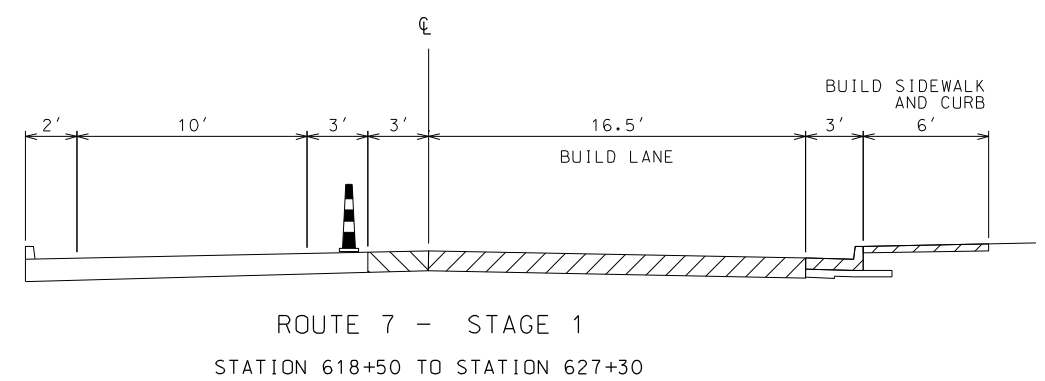
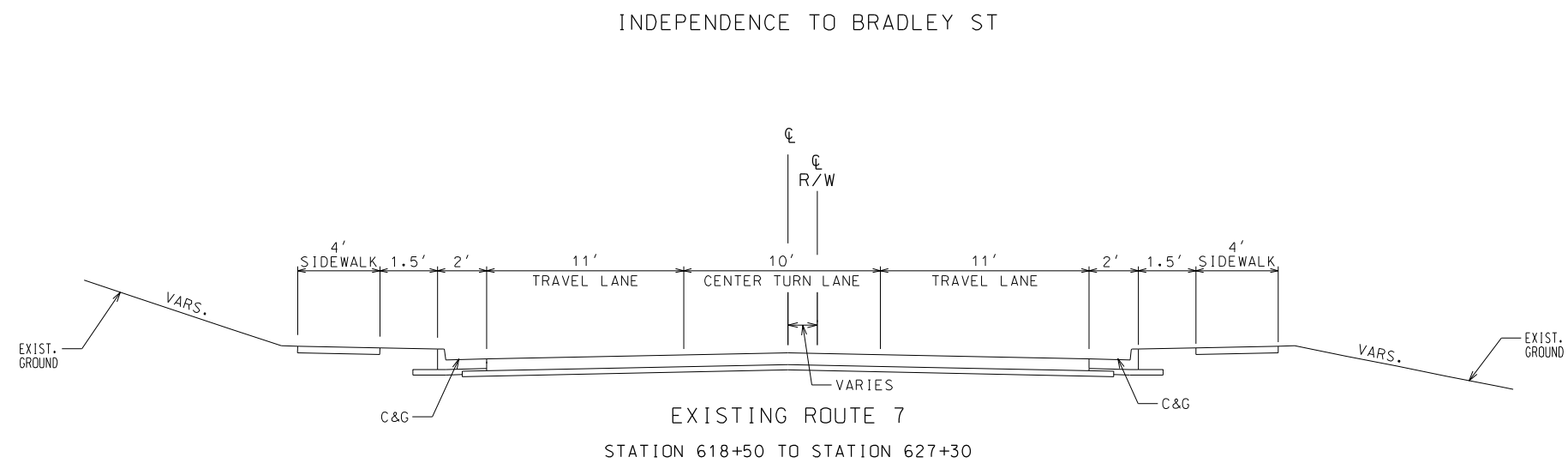


ALL DROP INLETS ON RTE 7 ARE CURB INLET TYPE G (6'X 5')
ALL DROP INLETS ON SIDE ROADS ARE CURB INLET TYPE T (5'X3')

DRAINAGE PLAN SHEET
SHEET 8 OF 8



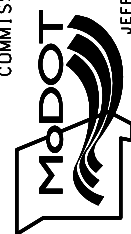
"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."		DATE PREPARED 2/27/2014	
ROUTE 7	STATE MO	DISTRICT KC	SHEET NO. XX
COUNTY CASS		JOB NO. J4P2257	
CONTRACT ID.		PROJECT NO.	
BRIDGE NO.		DESCRIPTION	
		DATE	
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION		105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)	
		IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATE	

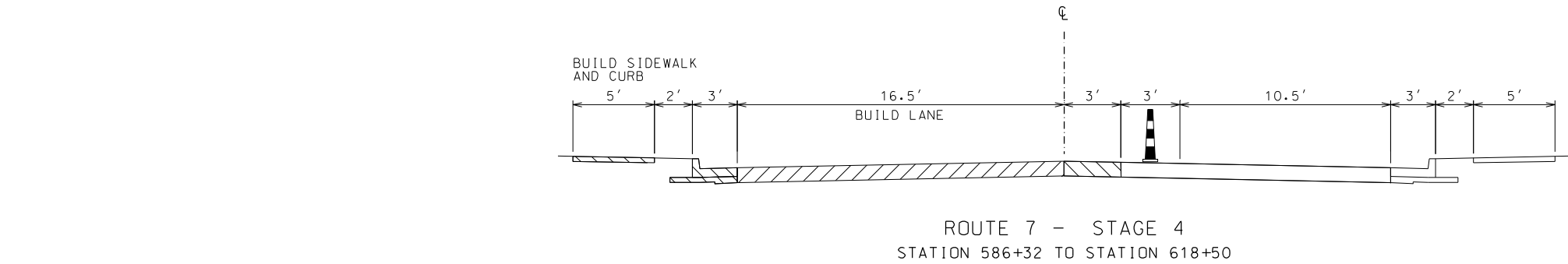
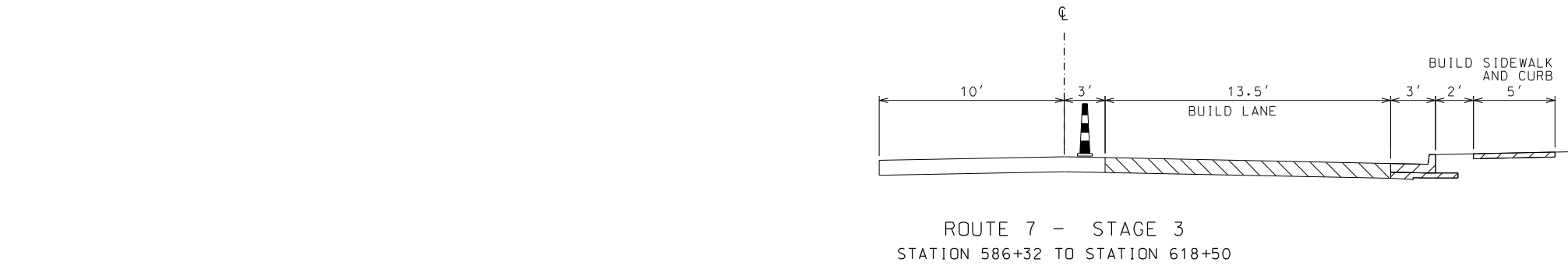
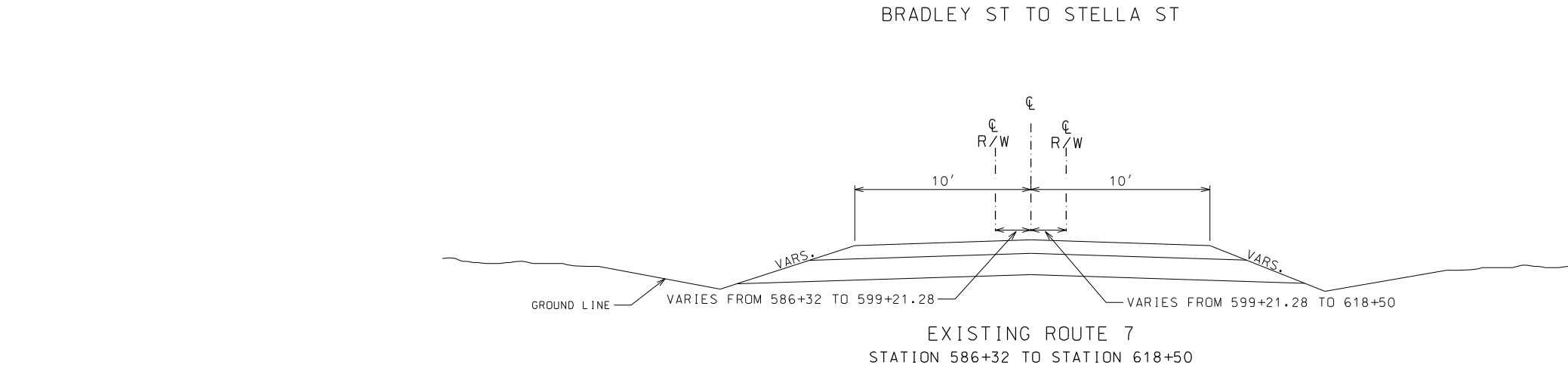


NOTE:
℄ = CENTERLINE OF THE ROAD (CROWN)
℄ R/W = CENTERLINE OF R/W CHAIN

OPTION 1
1 LANE OPEN

TEMPORARY TRAFFIC CONTROL
TYPICAL SECTIONS
SHEET 1 OF 2

"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."	
DATE	
DATE PREPARED 2/27/2014	
ROUTE 7	STATE MO
DISTRICT KC	SHEET NO. 20
COUNTY CASS	
JOB NO. J4P2257	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	
DESCRIPTION	
DATE	
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION	
	
105 WEST CAPITAL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)	
REV.	



NOTE:
CL = CENTERLINE OF THE ROAD (CROWN)
CL R/W = CENTERLINE OF R/W CHAIN

OPTION 1
1 LANE OPEN

TEMPORARY TRAFFIC CONTROL
TYPICAL SECTIONS
SHEET 2 OF 2

"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."	
DATE	
DATE PREPARED 2/27/2014	
ROUTE 7	STATE MO
DISTRICT KC	SHEET NO. 21
COUNTY CASS	
JOB NO. J4P2257	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	
DESCRIPTION	DATE
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION	
105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)	
REV.	

PRICING REPORT

Date: 02/27/2014
Time: 09:14:29Project: **Pavement Improvements and Widening(copy)**
Location: **Harrisonville**
County: **CASS**
District: **Kansas City**Project ID: **J4P2257_ROW**
Bid Date: **02/15/2015** State: **MO**
Route: **7****Project Settings**

Primary County: CASS	Urban/Rural: RURAL ROUTE
Addl Counties:	Project Type: GRADING, DRAINAGE & PAVING
District: Kansas City	Work Type: NEW CONSTRUCTION
Longitude: 89° 00' 00"	Traffic: Medium Traffic (400-1700 DAT)
Latitude: 35° 00' 00"	Estimator: MATHET1
Log Mile: Beg:	Constr Eng: 0.00 %
End:	Priced Date: / /
Station: Beg: 587+52.97	Create Date: 11/14/2013
End: 627+34.21	Fed Projec No: J4P2257
Project Length: 0.7540 miles	Mobe Percent: 0.00 %
	Survey %: 0.00 %

Major Categories

MISC.	1,266,636.25	44.2%
GRADE/DRAIN	588,214.49	20.5%
BRIDGE	0.00	0.0%
PAVEMENT/BASE	1,013,677.00	35.3%
TOTALS:	2,868,527.74	100.0%

Attachment: J4P2257 ROW ESTIMATE.pdf (MECHANIC STREET J4P2257 PRESENTATION)

PRICING REPORT

Date: 02/27/2014
Time: 09:14:40Project: **Pavement Improvements and Widening(copy)**
Location: **Harrisonville**
County: **CASS**
District: **Kansas City**Project ID: **J4P2257_ROW**
Bid Date: **02/15/2015** State: **MO**
Route: **7**

Pay Item	Description	Quantity Unit	Bid Price	Extension	Alt
2013000	clearing and grubbing	1.000 acre (1.0)	5,250.00	5,250.00	
2022010	removal of improvements	1.000 l.s. (1.0)	25,000.00	25,000.00	
2031000	class a excavation	7,000.000 c.y. (1.0)	6.55	45,850.00	
2036000	compacting embankment	13,000.000 c.y. (1.0)	2.00	26,000.00	
2037075	compacting in cut	50.000 sta. (0.1)	675.39	33,769.50	
2063000	class 3 excavation	8,000.000 c.y. (1.0)	5.39	43,120.00	
2063300	class 4 excavation	150.000 c.y. (1.0)	16.88	2,532.00	
2072000	linear grading class 2	15.800 sta. (0.1)	545.54	8,619.53	
3040143	type 1 aggregate for base (4 in. thick)	20,961.000 s.y. (1.0)	7.00	146,727.00	
4039905	"concrete pavement (8 1/2 in. non-reinforced, 15 ft. joints)"	17,339.000 s.y. (0.1)	50.00	866,950.00	
6039901	contractor furnished surveyin and staking	1.000 l.s. (1.0)	35,000.00	35,000.00	
6042010	adjusting manhole	4.000 each (1.0)	1,300.00	5,200.00	
6042020	adjusting basin or inlet	2.000 each (1.0)	1,300.00	2,600.00	
6053030A	pipe aggregate pavement edge drain	5,000.000 l.f. (1.0)	8.00	40,000.00	
6081010	concrete curb ramp	80.000 s.y. (0.1)	250.00	20,000.00	
6081012	truncated domes	30.000 s.f. (1.0)	50.00	1,500.00	
6085007	"paved approach, 7 in."	2,510.000 s.y. (0.1)	84.65	212,471.50	
6086004	"concrete sidewalk, 4 in."	3,832.500 s.y. (0.1)	43.50	166,713.75	
6091052	curb and gutter type b	8,078.000 l.f. (1.0)	16.00	129,248.00	
6096000	ditch liner	125.000 s.y. (1.0)	70.00	8,750.00	
6097000	rock lining	400.000 c.y. (1.0)	36.42	14,568.00	
6143014	"manhole frame and cover, type 4"	18.000 each (1.0)	491.31	8,843.58	
6149902	apwa curb inlet 5'x4'	41.000 each (1.0)	3,800.00	155,800.00	
6169901	temporary sequencing/ traffic control	1.000 l.s. (1.0)	40,000.00	40,000.00	
6181000	mobilization	1.000 l.s. (1.0)	100,000.00	100,000.00	
6205101A	"type 2 preformed marking tape (grooved), 4 in., white"	8,508.000 l.f. (1.0)	1.25	10,635.00	
6205105	"type 2 preformed marking tape (grooved), 6 in., white"	640.000 l.f. (1.0)	1.50	960.00	
6205120	"type 2 preformed marking tape (grooved), 24 in., white"	360.000 l.f. (1.0)	8.00	2,880.00	
6205130	"type 2 preformed marking tape (grooved), left/right arrow"	33.000 each (1.0)	175.00	5,775.00	
6205135	"type 2 preformed white midblock (grooved), 30 in."	33.000 each (1.0)	291.00	9,603.00	
6214600A	flowable backfill	200.000 c.y. (1.0)	100.00	20,000.00	
7261018	18 in. pipe group a	3,179.000 l.f. (1.0)	42.00	133,518.00	
7261024	24 in. pipe group a	2,520.000 l.f. (1.0)	54.00	136,080.00	
7261030	30 in. pipe group a	479.000 l.f. (1.0)	61.72	29,563.88	
7269923	3'x3' culvert rbc	70.000 l.f. (1.0)	300.00	21,000.00	
7269923{1}	3'x2' culvert rbc	70.000 l.f. (1.0)	300.00	21,000.00	
7310048	precast concrete manhole - 48 in.	18.000 l.f. (1.0)	400.00	7,200.00	
8039905A	permanent sodding	4,200.000 s.y. (1.0)	9.00	37,800.00	
8059919	permanent seeding	6,500.000 acre (0.1)	1.00	6,500.00	
8069901	temporary erosion control	1.000 l.s. (1.0)	15,000.00	15,000.00	

Attachment: J4P2257 ROW ESTIMATE.pdf (MECHANIC STREET J4P2257 PRESENTATION)

PRICING REPORT

Date: 02/27/2014
Time: 09:14:40Project: **Pavement Improvements and Widening(copy)**
Location: **Harrisonville**
County: **CASS**
District: **Kansas City**Project ID: **J4P2257_ROW**
Bid Date: **02/15/2015** State: **MO**
Route: **7**

Pay Item	Description	Quantity Unit	Bid Price	Extension Alt
8089901	permanent erosion control/landscape /trees	1.000 l.s. (1.0)	7,500.00	7,500.00
9029903	sanitary sewer relocations	1.000 l.f. (1.0)	10,000.00	10,000.00
9039901{1}	waterline relocations	1.000 l.s. (1.0)	50,000.00	50,000.00
9019901	new street lighting	1.000 l.s. (1.0)	150,000.00	150,000.00
9029902{2}	pedestrian signal/ warning signs	2.000 each (1.0)	16,000.00	32,000.00
9039901	permanent street signing	1.000 l.s. (1.0)	17,000.00	17,000.00

TOTALS	2,868,527.74
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Attachment: J4P2257 ROW ESTIMATE.pdf (MECHANIC STREET J4P2257 PRESENTATION)

**J4P2257, Cass County, Route 7 (Mechanic St.)
Independence St. to Stella St.**

Preliminary Plan (11/25/13) Comments and Responses

Reviewer	Page	Comment	Response
J. Gibbs		Has MoDOT installed HAWK Beacons? Would Highland and Mechanic be a good location? It would replace the crossing guard and be a pedestrian activated signal.	MoDOT does not use HAWK Beacons at this time.
J. Gibbs		Post Office Driveway on Wirt is only <u>±</u> 20 feet from the intersection. Would this be the right opportunity work with them to change the traffic direction and have this as an out and not an in to back up traffic on Mechanic when vehicles exit off Mechanic to turn into the Post Office?	Providing revised Preliminary Plans for discussion with Post Office.
J. Gibbs		Your designer was correct. There is a 36" CMP downstream of the culvert under Mechanic east of Halsey. MoDOT analysis should consider backwater effects from the downstream pipe. I am not aware of problems in the past but the intensity will be greater in the new scenario.	Will consider backwater as the drainage and design is refined.
J. Gibbs		School prefers to keep crossings at their current locations at Price & Highland	Crosswalks will be provided at Independence, Highland, Eastwood and Price.
J. Gibbs		How will private driveways be handled to make sure they do not have a steeper grade and an improved throat?	Driveways will be similar to current conditions or improved.
T. Robinett		Follow the existing grades as much as possible. The conceptual plan profile was based off of a profile that was attempting to remain on grade as much as possible.	Profile has been revised.
T. Robinett		I have attached a conceptual alignment for the sewer redesign. For the most part, we will attempt to put in the center of the WB lane.	Thanks. Will be considered as the drainage and design is refined.

Attachment: Microsoft Word - J4P2257 Prel Plan Comments Responses (MECHANIC STREET J4P2257 PRESENTATION)

Reviewer	Page	Comment	Response
T. Robinett		Please pay attention to where the main waterlines are. The water lines are highlighted in blue. The conceptual drainage design was laid out in an attempt to minimize the water line impacts. We used the iCON inlet to avoid having to move a majority of the water lines.	Noted. Will continue to consider as the drainage and design is refined.
T. Martin		For storm drainage design, will MoDOT or APWA design criteria be used?	Both MoDOT and APWA design criteria will be used.
T. Martin		Need to locate and address utility conflicts	Will be addressed as the design is refined.
T. Martin		Plot all utilities on profiles.	Will consider. Typically, MoDOT does not plot all utilities on profiles.
T. Martin		No FEMA floodplains on this project.	Noted.
T. Martin		Will geotechnical investigations be performed?	No, it is not necessary. All existing retaining walls will be avoided.
T. Martin	Cover	Is the Design Designations correct for this job? We don't have a 25 th Street listed.	Corrected.
T. Martin	Cover	Plans are at Preliminary not Acquisition of Right of Way.	Corrected.
T. Martin	Cover	Missing utilities	Added to description.
T. Martin	4	Note spelling of Bird Avenue not Birde.	Corrected.
T. Martin	4	Missing driveways at Parcel 2.	Corrected.
T. Martin	4	Difficult to tell existing from proposed. Appears that all lines are same.	Corrected.
T. Martin	5	Is the existing Stella offset acceptable?	Yes. Stella will not be realigned as a part of this project.
T. Martin	5	Concern with sight distance at Highway 7 and Price.	The profile has been adjusted.
T. Martin	5	Need to consider pedestrian crossing at Price Street intersection. High vehicular and pedestrian traffic at this location due to high school to the north. Several years ago city, school district and MoDOT met on this concern.	Crosswalks will be provided at Independence, Highland, Eastwood and Price.
T. Martin	5	Why show the house outline on some parcels but not on other parcels?	Corrected.
T. Martin	6	Think there is a boulder lined channel	Noted. Will consider as the

Reviewer	Page	Comment	Response
		constructed by the property owners north of culvert.	drainage is refined.
T. Martin	6	Need to check downstream of culvert for past flooding complaints.	Noted. Will be addressed as the drainage is refined.
T. Martin	6	Is off set alignment at Halsey acceptable?	Yes. Halsey will not be realigned as a part of this project.
T. Martin	7	Upstream and connected to the culvert is a future city storm drainage improvement project	Noted. Will consider as the drainage is refined.
T. Martin	7	Is 60' ROW adequate?	The profile and ROW lines have been adjusted.
T. Martin	7	Easement shown on parcel 42 goes through house.	Corrected.
T. Martin	8	Need pedestrian school crossing at Eastwood	Crosswalks will be provided at Independence, Highland, Eastwood and Price.
T. Martin	9	Note past drainage problems west of Highland. Also Highland may be a future street improvement/widening project.	Noted. Will be addressed as the drainage is refined.
T. Martin	10	Poor subgrade throughout this reach	Noted.
T. Martin	11	Has there been any consideration of a traffic light at Independence? There is significant stacking during peak hours and some concern for safety of pedestrians crossing at peak.	Yes, but a signal is not warranted at this time. Will continue to monitor.
T. Martin	12	Parallel drainage systems are expensive, unnecessary, and costly to maintain.	This has been discussed, but will remain as a parallel system because of the location of the sanitary sewer in the WB lane.
T. Martin	12	Drainage system show this sheet can't drain to the west as show due to roadway high point at 592+ as shown on profile sheet 11A.	Noted. Will be addressed as the drainage is refined.
T. Martin	13	Note high point in roadway near Sta. 592, so drainage system not needed.	Noted. Will be addressed as the drainage is refined.
T. Martin	13	Consider starting collection further west near James Street, use only the south side of the street and drain west to the culvert.	Curb and gutter is needed with the sidewalk through the length of the project.
T. Martin	13	Note, typical storm sewer design limits the length between structures to 300' max	Typically, MoDOT uses 500'.

Reviewer	Page	Comment	Response
T. Martin	14	Investigate past complaint of flooding downstream of culvert.	Noted. Will be addressed as the drainage is refined.
T. Martin	14	Prefer storm sewer installed into culvert wall or headwall; separate stream outlets will be scour concern.	Noted. Will be addressed as the drainage is refined.
T. Martin	14	Install curb inlets at low point of road; near Sta.599+50	Done.
T. Martin	14	What is all the dashed easement lines around south driveway, Sta 601+15?	Corrected.
T. Martin	14	Avoid parallel storm system	Same response for earlier comment.
T. Martin	15	Prefer storm sewer installed into culvert wall or headwall; separate stream outlets will be scour concern.	Same response for earlier comment.
T. Martin	15	Install curb inlets at low point of road; near Sta.599+50	Done.
T. Martin	15	Future storm drainage improvement project upstream (north) of culvert.	Noted. Will be addressed as the drainage is refined.
T. Martin	15	Avoid parallel storm system	Same response for earlier comment.
T. Martin	16	Drainage system show this sheet can't drain to the east as show due to roadway high point at Sta 612+50 as shown on profile sheet 11B.	Noted. Will be addressed as the drainage is refined.
T. Martin	16	Since this is the high point, storm sewer collection is probably unnecessary	Noted. Will be addressed as the drainage is refined.
T. Martin	17	System can't drain east upstream of Sta.	Noted. Will be addressed as the drainage is refined.
T. Martin	17	Set curb inlets at low point near Sta 618+50.	Noted. Will be addressed as the drainage is refined.
T. Martin	17	Drainage would have to flow south either along Highland or Wirt Lane, west of the PO building. City has made storm drainage improvement downstream along Washington Street capable of accepting these flows, but this project will need to convey to this system. New inlets along Washington Street can be seen on Google Earth.	Noted. Will be addressed as the drainage is refined.
T. Martin	18	Storm sewer shown at roadway high point Sta 624+50 profile, sheet 11C	Noted. Will be addressed as the drainage is refined.



STAFF REPORT

TO: Public Works Committee
FROM: Jerry Gibbs, Director
DATE: February 27, 2014
SUBJECT: PUBLIC WORKS UPATE MARCH 2014

Type of Item: Report**WATER SYSTEMS**

- **KC Water Transmission Main:**
 - Mike Tholin and I met with Kansas City Water. They are determining the amount of water available to Lees Summit. Will send report when completed. May have an impact on value. Other terms have yet to be resolved.
- **Water Treatment Plant Upgrades Phase 1:**
 - Burns and McDonnell and city staff will be meeting with MDNR to discuss treatment process.
 - Capital Facilities Plan underway.
 - Lake Harrisonville overflow contract approved
- **East Washington/South Lexington Waterline Improvements-**
 - Hettinger completed West Washington. New main has been chlorinated and flushed. Waiting on bac t samples before starting service connection.
 - Two blocks remain on East Highland (Lexington to Highland)

SANITARY SEWERS

- **Ann Street Sanitary Sewer:** contracts signed-expect late spring or Early Summer start.
- **CCTV** - video portion is complete - evaluating results and determining a strategy for next steps.
- **Eastwood Sanitary Sewer Reroute:** Powers Excavating has been awarded the contract
- **Clark Sewer** - Substantial Completion
- **WWTP sludge removal** - 2013 and 2014 removal will be combined.

STORMWATER

- **Morningview Storm Drainage Improvement Project:** Four easements acquisitions are required before the project can be bid.
- **Chateau** - Reviewing survey proposal

GENERAL/TRANSPORTATION

- **Energize Missouri:**

- Waiting on Siemens to finalize their internal review. Anticipate a meeting by mid-March
- **Mechanic Street-**
 - Tentative bid date spring 2015
- **291Partners in Progress-**
 - MODOT bid letting date 5-16-14
 - Electrical Relocation bids received on 2-27
- ☐ **North Independence Bridge -**
 - East headwall completed. Waiting to move panels until temp are above 40 degrees.
 - Open to traffic by mid-April
- ☐ **2013 Sidewalk Program:** Construction is about 30% done...

A. Discussion Item (ID # 1334)

PUBLIC WORKS UPATE MARCH 2014



TO: Public Works Committee
FROM: Jerry Gibbs, Director
DATE: February 27, 2014
SUBJECT: AIRPORT MONTHLY REPORT

Type of Item: *Report*

Airport Monthly Report
 Prepared by James Green, Airport Manager
 For the month of February, 2014

Hangar and Tie Down Space:

- All Hangars are Full, 13 confirmed people on the waiting list
- 6 Tie down spots available

Fuel:

- Potential jet fuel sales - approx. 500 gallons
- 100LL - our current price is \$5.70 per gallon
- Fuel prices in our service area:

Lee's Summit	\$5.28 per gal.
Ottawa	\$5.55 per gal.
Gardner	\$5.75 per gal.
Johnson County	\$6.30 per gal.
Butler	\$5.70 per gal

AVGAS Sales: (Jan. 29th to Feb. 27th)

Price \$5.70 per gallon

Gallons Sold 135.56

Revenue \$772.69

Profit \$94.89

FAA Tree Hazards:

I have responded to the FAA regarding the letter they sent us about the trees posing a hazard to the approach zones. The letter stated that the City is planning to completely remove three of the four trees identified in their e-mail and staff has begun talking with the landowner where the fourth tree is located to come up with a plan. Staff has made contact with the home owner and they are open to trimming the problem trees, unfortunately the amount of trimming required may permanently damage or kill the tree. A replacement tree (replace with a species with a lower mature height) was proposed and they have requested some time to think it over.

ALP & AGIS Project:

Most of the initial surveying has been completed and the data is in the process of being compiled, verified and uploaded to the FAA's GIS system. Once all of the data has been uploaded Lochner will begin the ALP update process. So far the project is on schedule.

A. Discussion Item (ID # 1335)

AIRPORT MONTHLY REPORT

Attachments:

Potential Jet Fuel Sales Feb 14 (XLS)

POTENTIAL JET FUEL SALES

(in gallons)

	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	ANNUAL TOTAL
2003	?	?	1,700	2,300	2,300	2,500	2,000	2,500	1,800	1,500	1,200	1,400	19,200
2004	1,800	2,500	3,500	2,500	1,500	1,500	3,000	2,800	2,000	2,000	3,200	3,400	29,700
2005	2,100	1,400	1,200	2,200	2,400	2,000	1,500	1,000	2,000	1,500	1,000	1,300	19,600
2006	1,000	1,500	1,800	1,800	1,000	1,300	1,000	1,200	1,500	1,000	1,100	800	15,000
2007	500	1,000	1,000	1,200	1,000	1,200	1,000	500	600	500	300	200	9,000
2008	200	200	200	100	100	200	300	400	200	250	150	100	2,400
2009	150	100	100	150	200	250	150	250	150	150	100	100	1,850
2010	250	350	250	150	150	100	100	150	100	0	200	250	2,050
2011	350	300	250	200	250	200	250	350	200	200	250	200	3,000
2012	150	250	150	200	400	300	200	200	300	200	350	100	2,800
2013	350	250	150	200	250	300	450	250	200	350	550	350	3,650
2014	1,800	500											2,300

Attachment: Potential Jet Fuel Sales Feb 14 (AIRPORT MONTHLY REPORT)