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WEST 26TH STREET REHABILITATION

CITY PROJECT NO. 332-411-425-611-DE-0915

Apr 2016

Sheet List Table

Sheet Number	Sheet Title
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S3	Standard Sewer Details
S4	Standard Sewer Details
S5	Standard Sewer Details
S6	Standard Sewer Details
SW1	Standard Sidewalk Details
SW2	Standard Sidewalk Details
SW3	Standard Sidewalk Details
ST1	Standard Street Details
ST2	Standard Street Details
ST3	Standard Street Details
ST4	Standard Street Details
W1	Standard Water Details
W2	Standard Water Details
W3	Standard Water Details
W4	Standard Water Details
W6	Standard Water Details

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Project Overview

General Notes:

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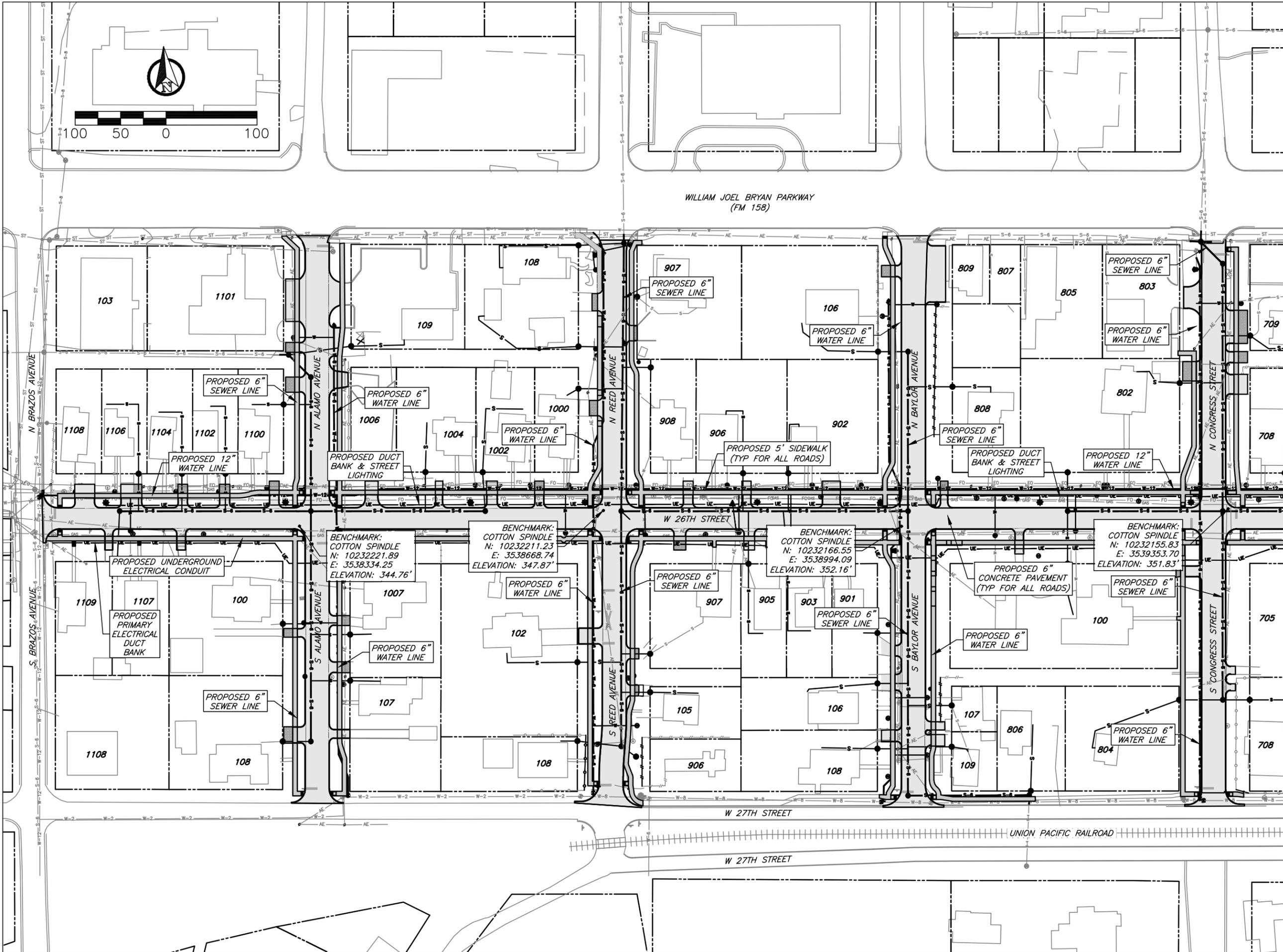


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West 26th Street Rehabilitation
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Bryan, Brazos County, Texas

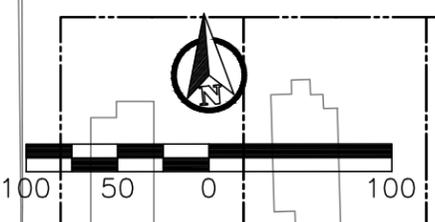
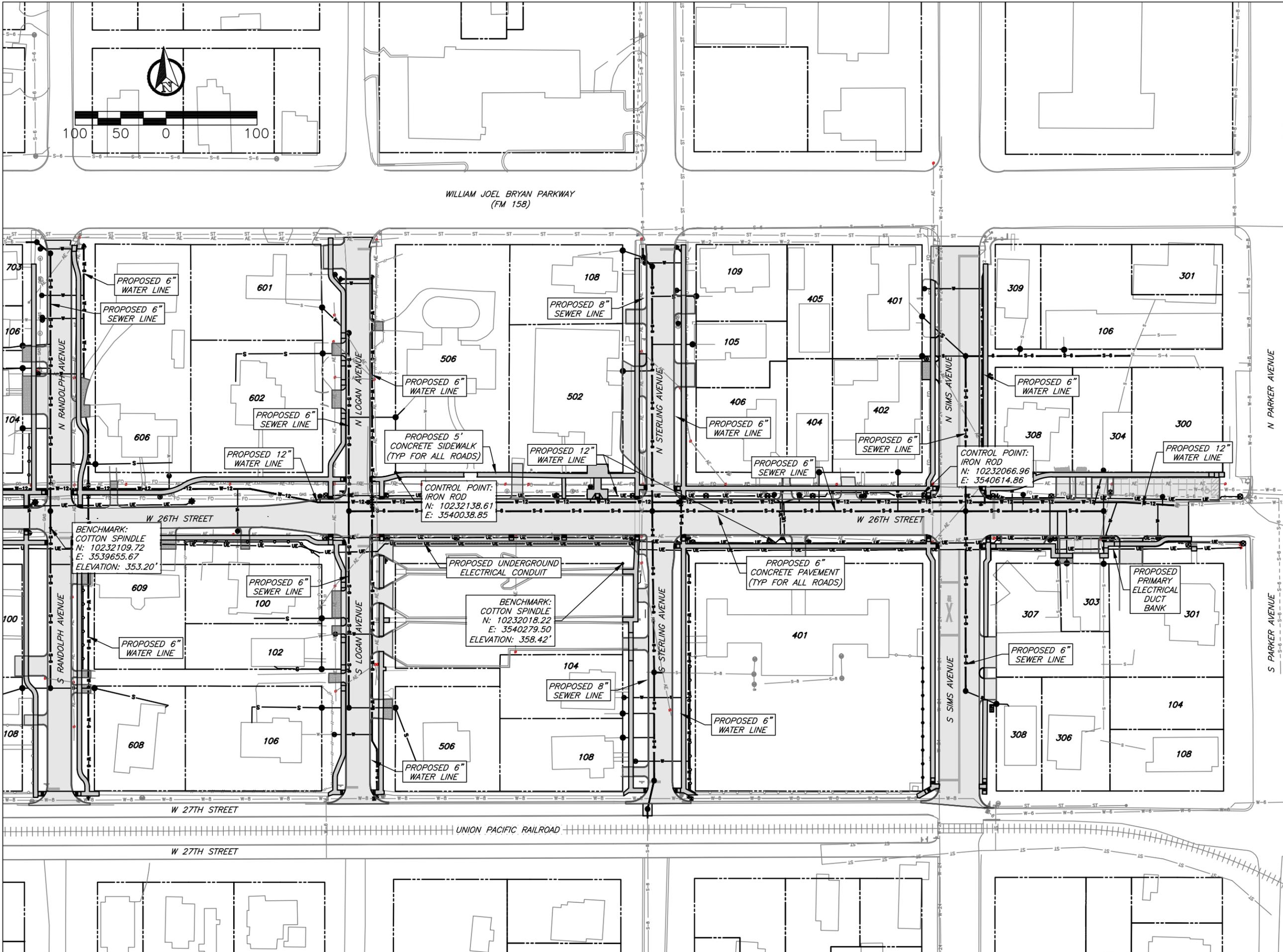
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J4E Project # 14-038

04/06/2016 West 26th Base.dwg

J4 Engineering



WILLIAM JOEL BRYAN PARKWAY
(FM 158)

Project Overview

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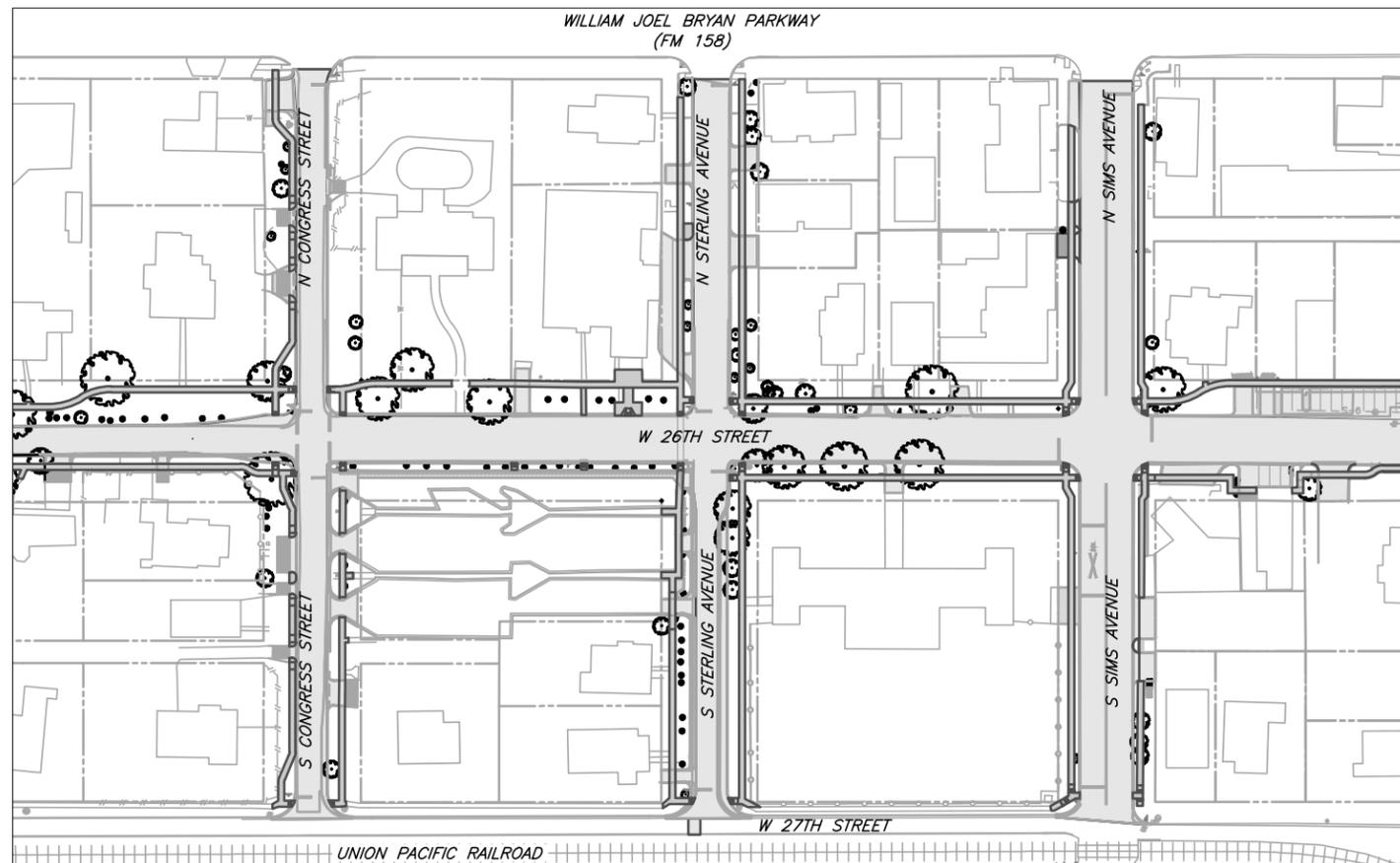
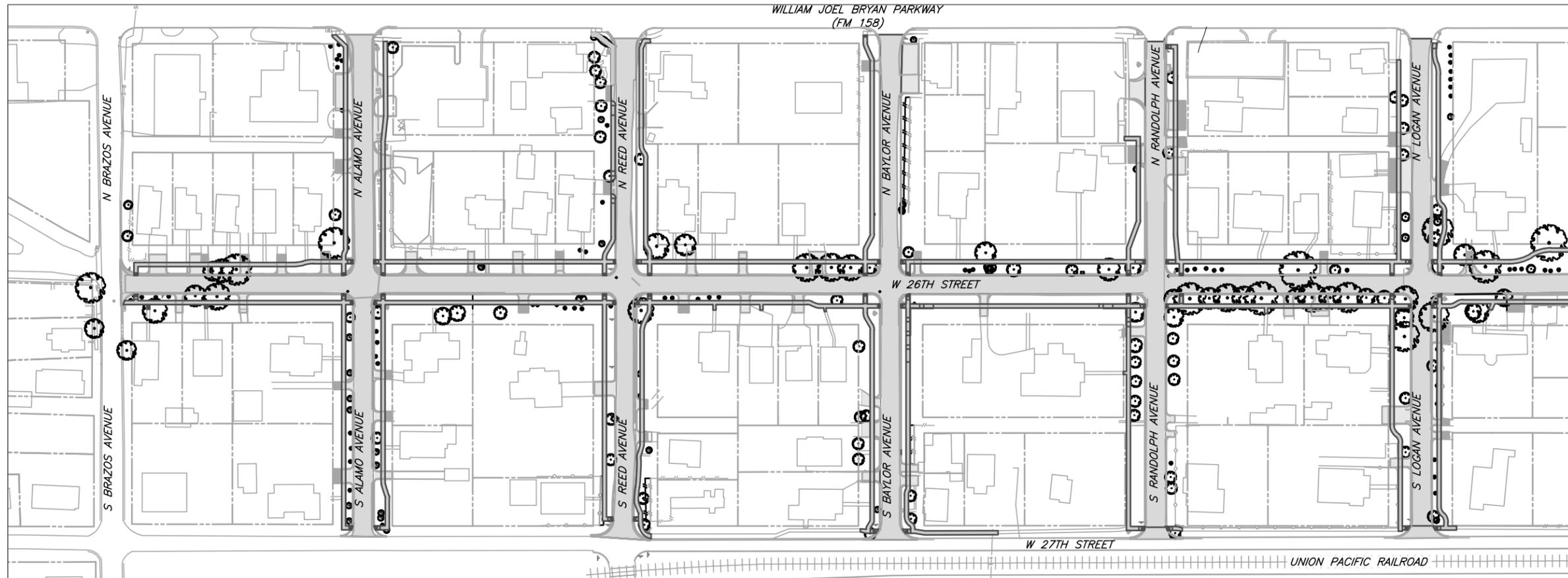
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J4E Project # 14-038

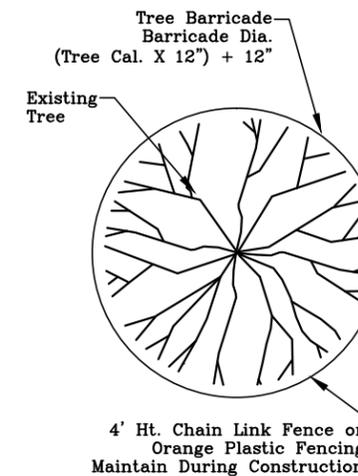
04/06/2016 West 26th Base.dwg

J4 Engineering



Notes:

1. The Contractor shall hire a licensed Arborist to oversee tree protection during construction.
2. Contractor shall apply arborist recommended means and methods during construction to ensure best possible chance of tree survival.
3. No mechanical trenching shall be permitted below the canopy of existing trees. Contractor shall excavate by hand to avoid damage to existing tree root system. Alternately, with prior approval of the City Engineer, contractor may adjust trench path to avoid damage to existing tree root system.



Tree Barricade Detail
N.T.S.

Tree Protection Plan

General Notes:

1. The contractor is responsible for the protection of all trees on site.
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City of Bryan Project Number 332-411-425-611-DE-0915
Bryan, Brazos County, Texas

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West 26th Pavement Demo Plan

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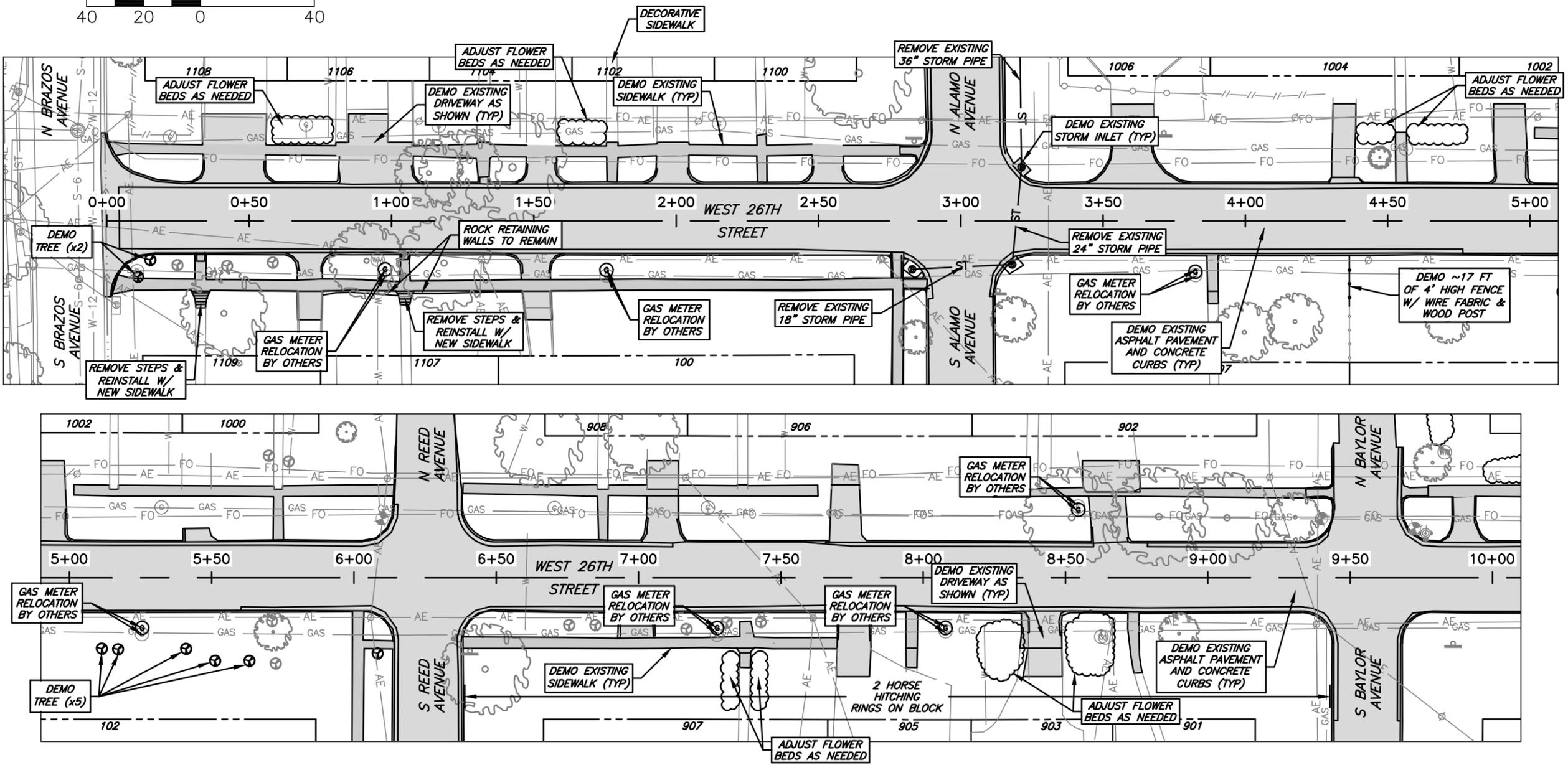
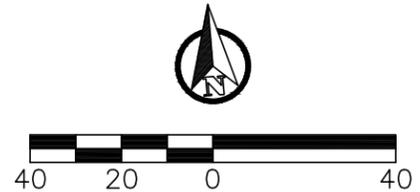


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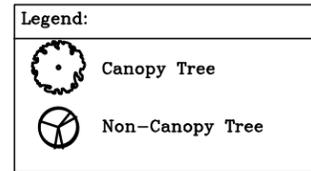
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**West 26th Street
Rehabilitation**
City of Bryan Project Number
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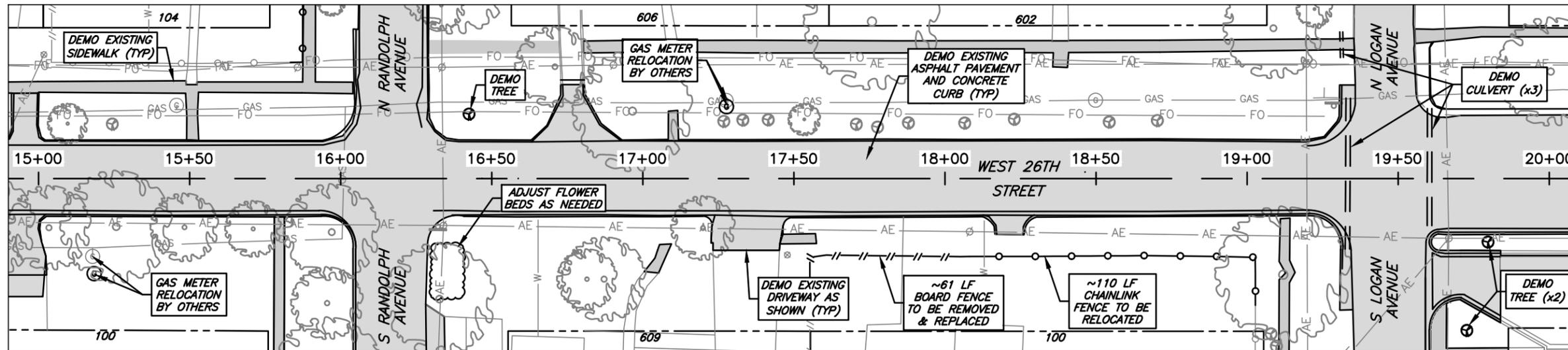
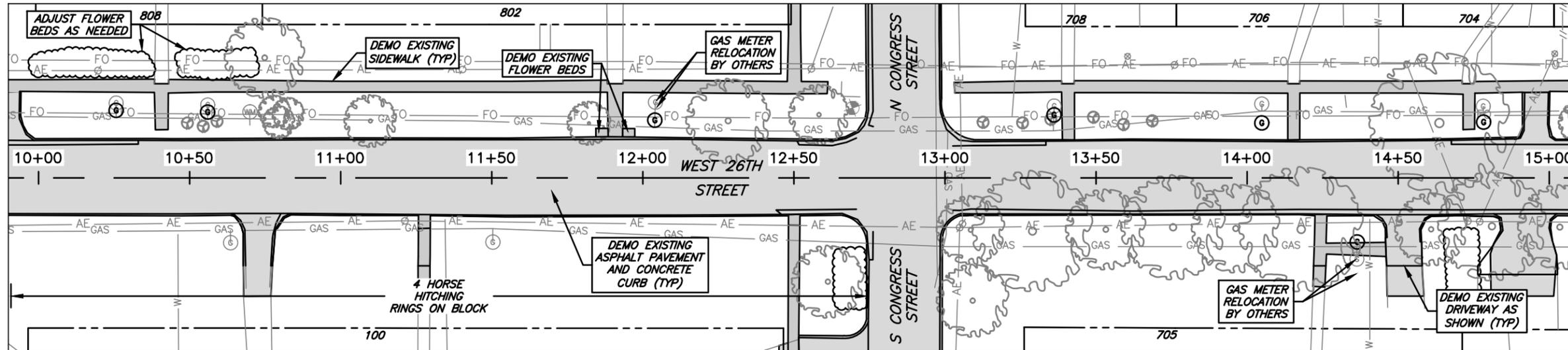
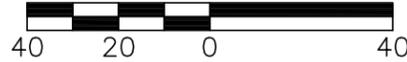
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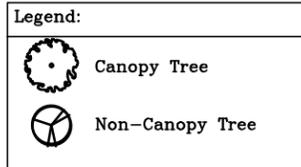
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- All driveways and driveway aprons are concrete, unless otherwise noted.
- When demolishing concrete driveways, remove to limit shown or to closest joint in order to provide a clean transition from the proposed sidewalk.
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J4E Project # 14-038
04/04/2016 West 26th Street Demo.dwg
J4 Engineering



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West 26th Pavement Demo Plan

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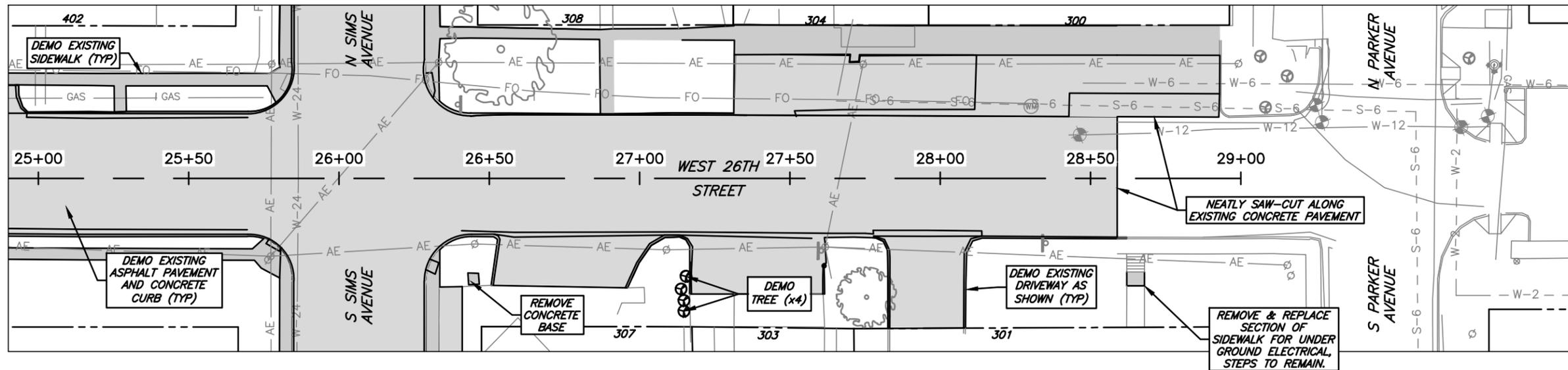
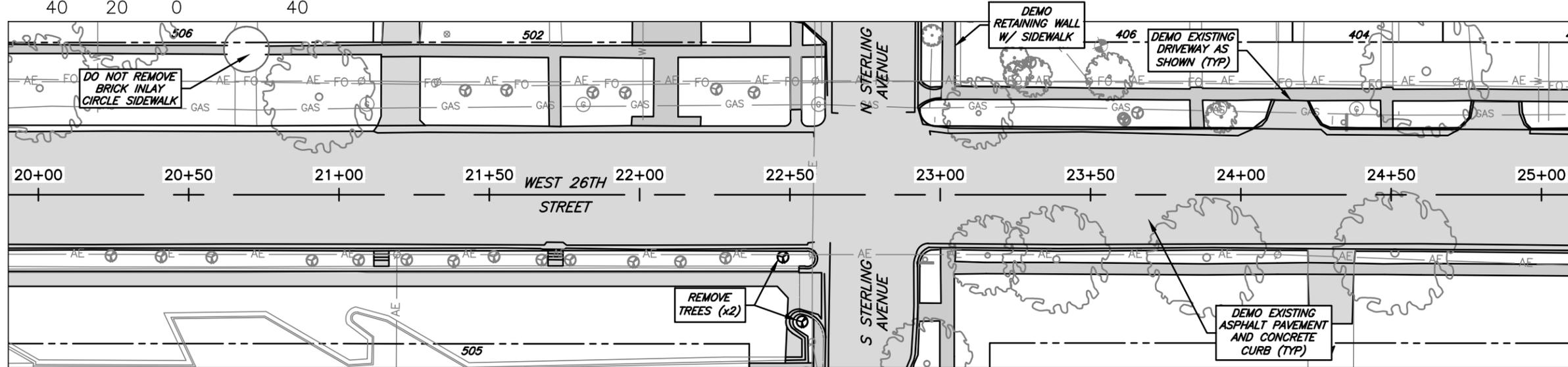
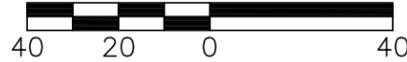
City of Bryan Project Number
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Bryan, Brazos County, Texas

Date: Apr 2016 Sheet: 11

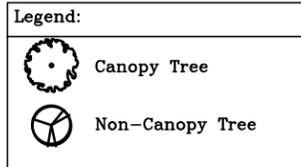
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J4E Project # 14-038

04/04/2016 West 26th Street Demo.dwg J4 Engineering



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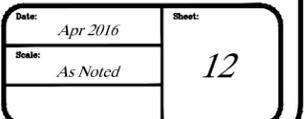
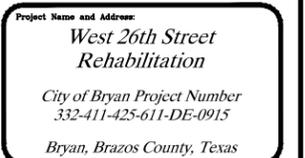
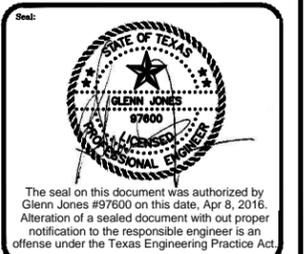


West 26th Pavement Demo Plan

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Alamo Ave & Reed Ave Pavement Demo Plan

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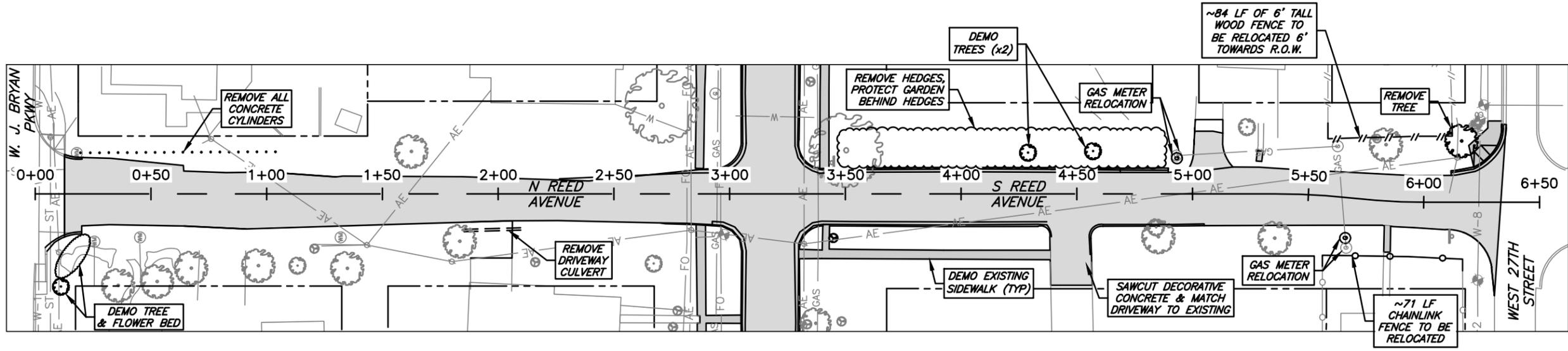
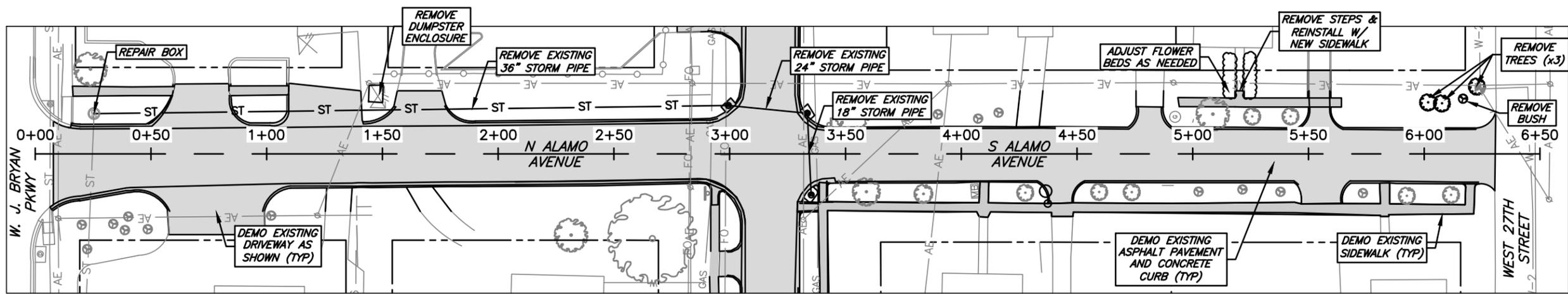
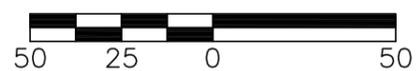


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Bryan, Brazos County, Texas

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Legend:

-  Canopy Tree
-  Non-Canopy Tree

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**Baylor Ave &
Congress St
Pavement Demo Plan**

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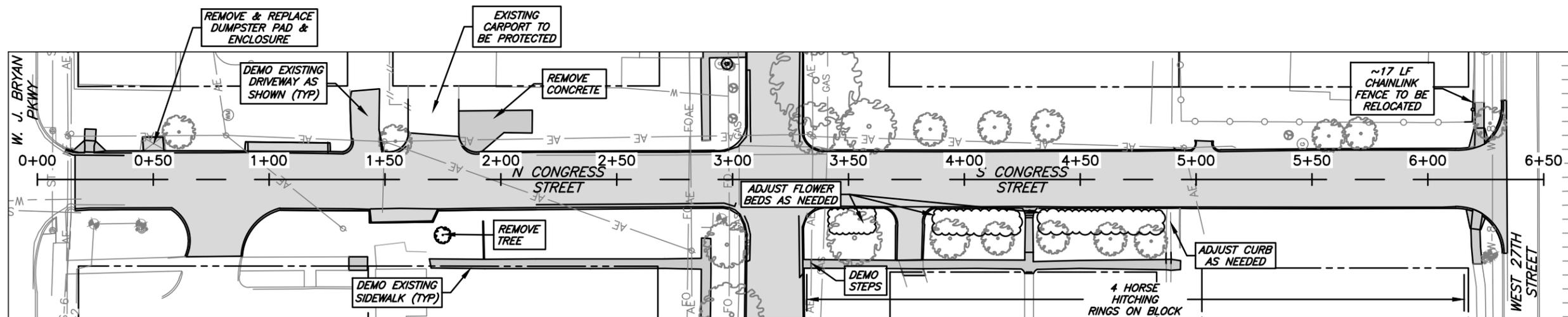
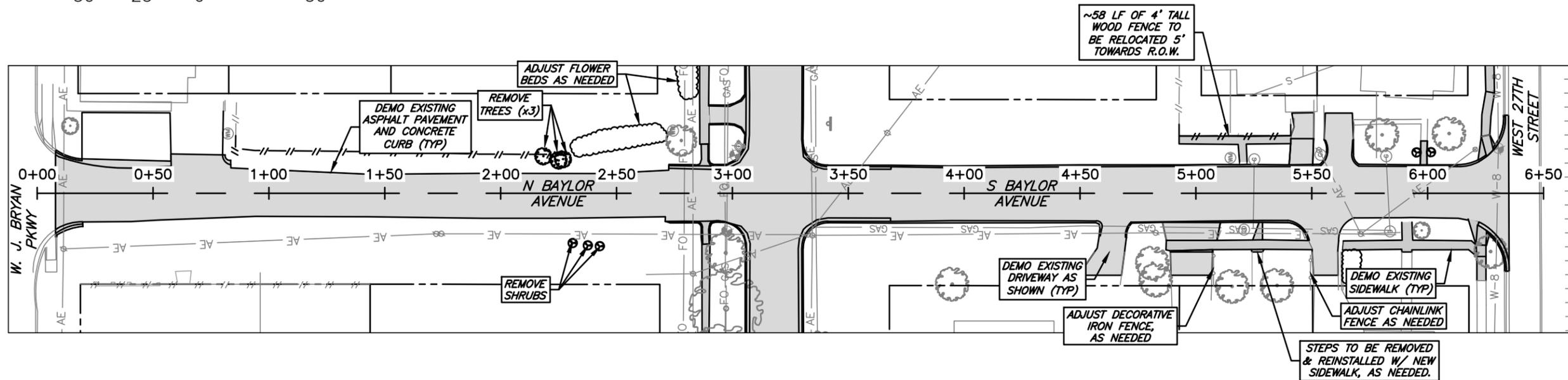
Apr 2016

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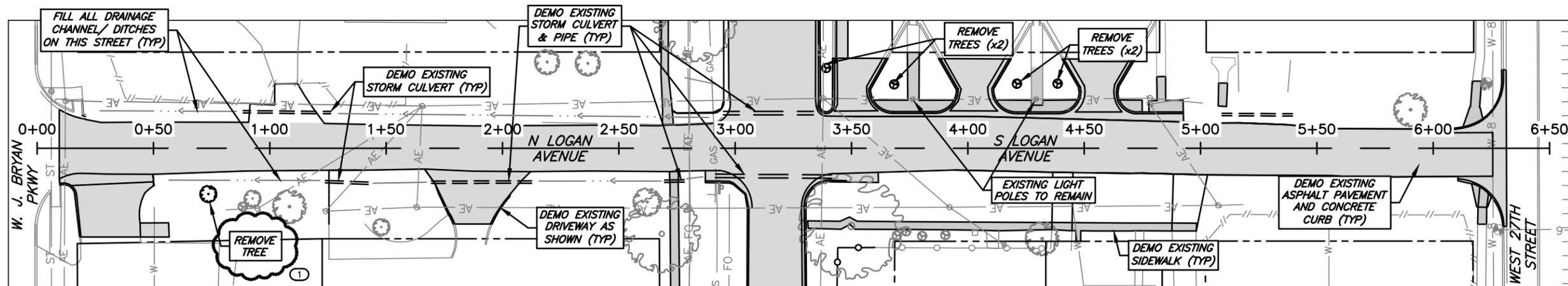
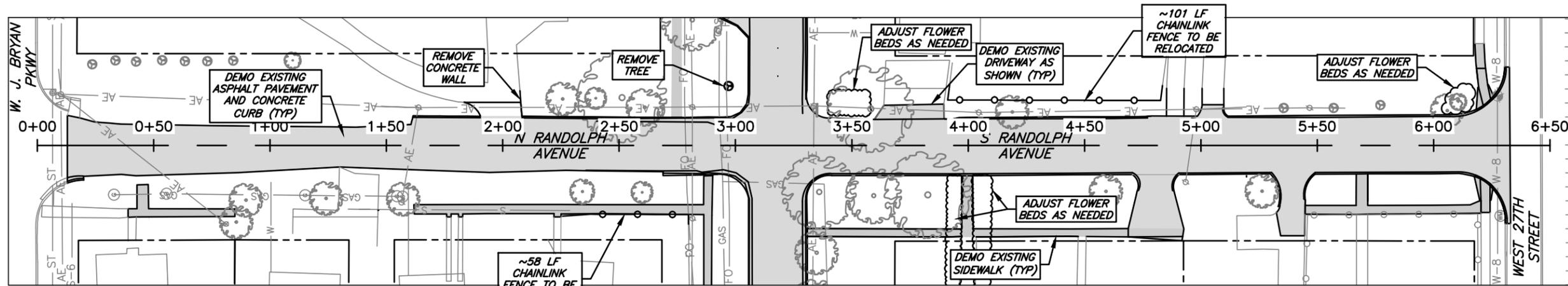
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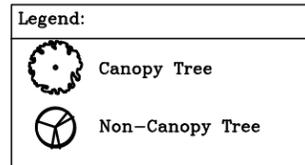
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Legend:

-  Canopy Tree
-  Non-Canopy Tree



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Randolph Ave & Logan Ave Pavement Demo Plan

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1	REVISED DEMO	APR 28th
ADDENDUM NO. 4		

Owner Name and Address:

CITY OF BRYAN
The Good Life, Texas Style.
PO Box 1000 - Bryan, Texas 77805

Firm Name and Address:

J4 Engineering
PO Box 5192 - Bryan, Texas - 77805
979-739-4567 www.J4Engineering.com
Firm# 9951

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Project Name and Address:

West 26th Street Rehabilitation
City of Bryan Project Number
332-411-425-611-DE-0915
Bryan, Brazos County, Texas

Date:	Apr 2016	Sheet:	15
Scale:	As Noted		

J4E Project # 14-038

04/29/2016 West 26th Street Demo.dwg J4 Engineering

Sterling Ave & Sims Ave Pavement Demo Plan

General Notes:

1. All construction shall be in accordance with the current BCS Standard Specifications, Details, and Design Guidelines for Water, Sewer, Streets, and Drainage, unless otherwise noted.
2. It is the intent of these plans to comply with all City of Bryan guidelines, details, and specifications.

1	REVISED DEMO	APR 28th
ADDENDUM NO. 4		

Owner Name and Address:



CITY OF BRYAN
The Good Life, Texas Style.
PO Box 1000 - Bryan, Texas 77805

Firm Name and Address:



J4 Engineering
PO Box 5192 - Bryan, Texas - 77805
979-739-0567 www.J4Engineering.com
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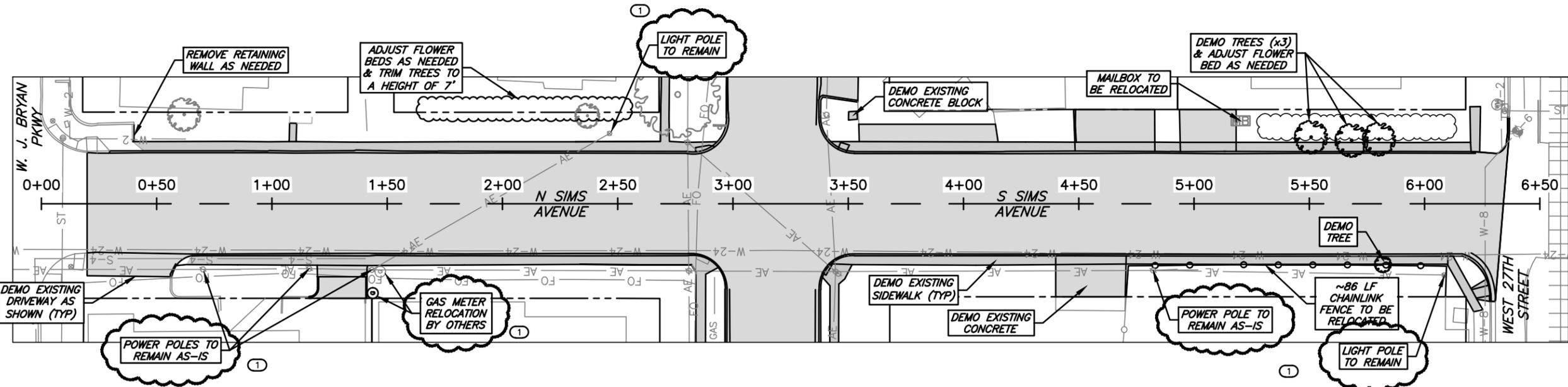
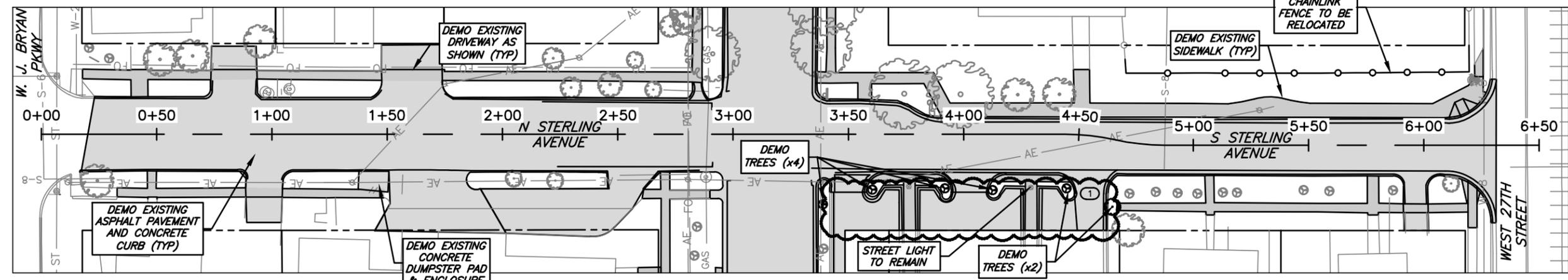
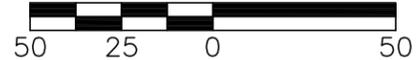


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Project Name and Address:

West 26th Street Rehabilitation
City of Bryan Project Number
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Bryan, Brazos County, Texas

Date: Apr 2016
Scale: As Noted
Sheet: 16

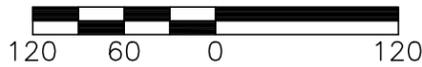


1. All pavement, sidewalks, and driveways shown in the Pavement Demo Plans shall be demolished as noted. No Proposed Conditions are shown on these plans.
2. All Curb Horse Hitching rings found in the existing curb shall be salvaged within a clean curb cut out section. The rings are to be delivered to the City of Bryan Project Manager/Inspector.
3. All driveways and driveway aprons are concrete, unless otherwise noted.
4. When demolishing concrete driveways, remove to limit shown or to closest joint in order to provide a clean transition from the proposed sidewalk.
5. When demolishing sidewalks perpendicular to street remove to limit shown or to closest joint beyond (maximum of 4 feet) in order to provide a clean transition.
6. Flower beds, planters, fences, retaining walls, etc. adjacent to or near existing and proposed sidewalks not to be removed that are disturbed during construction shall be restored to original or better condition.
7. Flower beds, planters, fences, etc. in the path of the proposed sidewalks shall be removed during construction. (See sheets 88-94.) Contractor shall coordinate with the property owner to determine if items are to be removed from the job site or returned to the property owner. Fences parallel to the proposed sidewalk shall be relocated as indicated on plans.

Legend:

	Canopy Tree
	Non-Canopy Tree

J4 Engineering 04/29/2016 West 26th Street Demo.dwg J4E Project # 14-038



Legend:

- s---s---s--- Proposed Abandon Sewer Service
- s-4---s-4--- Proposed Abandon 4" Sewer Line
- s-6---s-6--- Proposed Abandon 6" Sewer Line

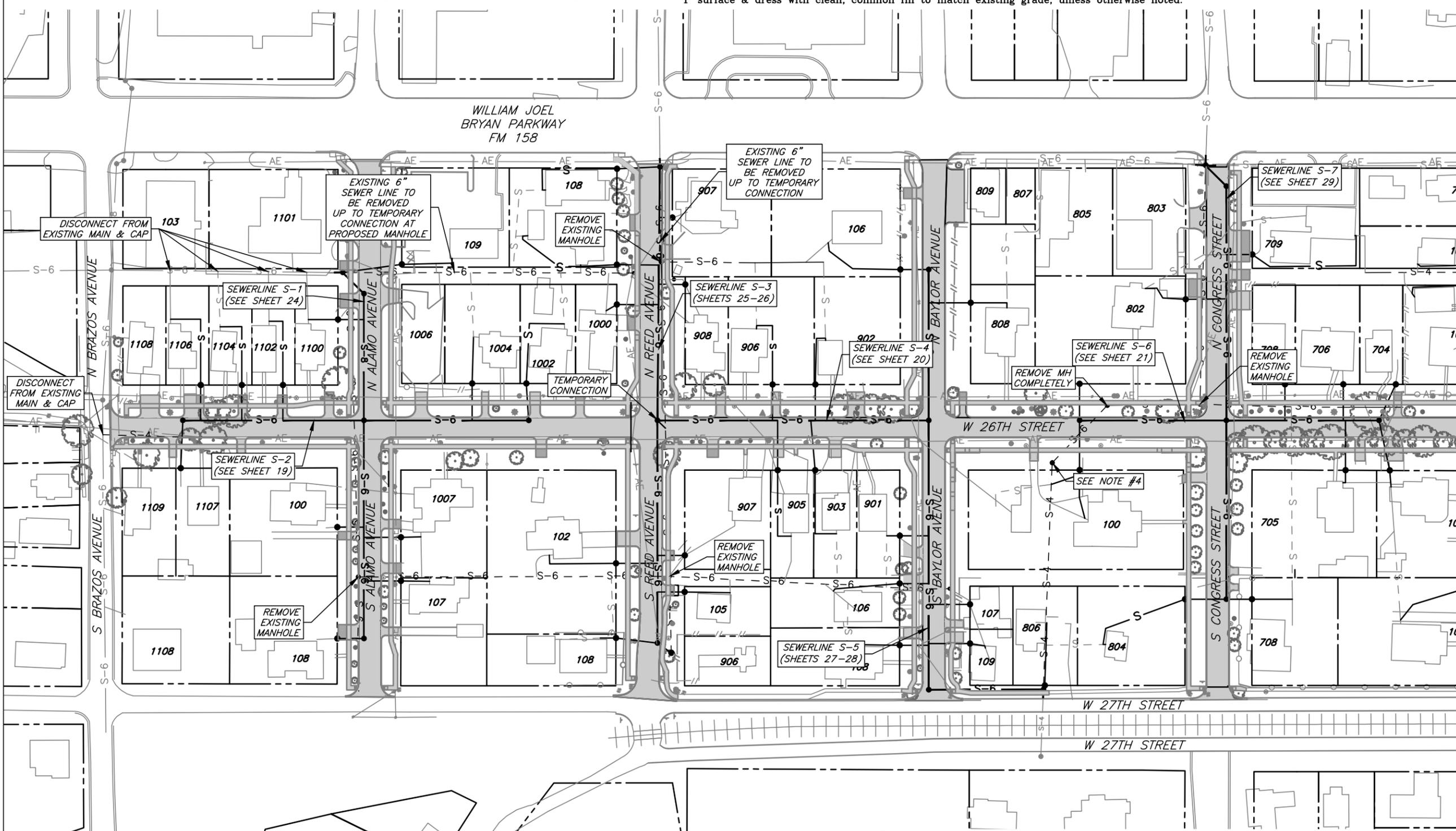
*All Proposed Abandon Sewer Lines, as shown above, shall be abandoned and grout filled unless otherwise stated. Remove all Clean-Outs on the Sewer Main to a Point Below Grade, Cap & Grout Fill per City of Bryan Specifications.

note:

1. Final placement of all clean-outs and sanitary sewer service lines shall be determined in the field; staked for alignment, clean-outs, & connections; and approved by the city's inspector prior to installation.
2. For each home where a new sanitary sewer is installed, the contractor shall confirm that all sanitary sewer flow is properly leaving the residence prior to removing the existing sanitary sewer service. All private sewer services shall be abandoned in place, without grout filling.
3. All proposed manholes for this project shall be ordered only after the contractor uncovers existing utilities at all "points of interest" to determine if conflicts exist before commencing any construction with the approval of the city's inspector. Contractor shall notify the engineer of any conflict. The city is not responsible for incorrect orders.
4. All manholes not within 5 feet of pavement structures shall have manhole cone removed & backfill with cement stabilized sand to within 1' surface & dress with clean, common fill to match existing grade, unless otherwise noted.

WILLIAM JOEL
BRYAN PARKWAY
FM 158

J4E Project # 14-038
West 26th Street Sewer.dwg
04/04/2016
J4 Engineering



Sewerline Overview

General Notes:

1. All construction shall be in accordance with the current BCS Standard Specifications, Details, and Design Guidelines for Water, Sewer, Streets, and Drainage, unless otherwise noted.
2. It is the intent of these plans to comply with all City of Bryan guidelines, details, and specifications.

Owner Name and Address:



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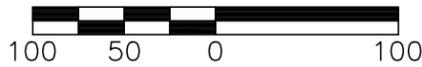
Project Name and Address:

West 26th Street Rehabilitation
City of Bryan Project Number
332-411-425-611-DE-0915
Bryan, Brazos County, Texas

Date: Apr 2016
Scale: As Noted
Sheet: 17

Note:

1. No manholes or clean-outs are to be placed within the proposed sidewalks. Contractor to verify the location of all proposed sidewalks prior to installation of valves, meters, etc. and notify Engineer of any conflicts found. Failure to do so will result in relocation (at contractor's expense) of meters, valves, etc. prior to construction of sidewalks.
2. Contractor to contact BTU for help in stabilizing power poles prior to excavating near power poles.



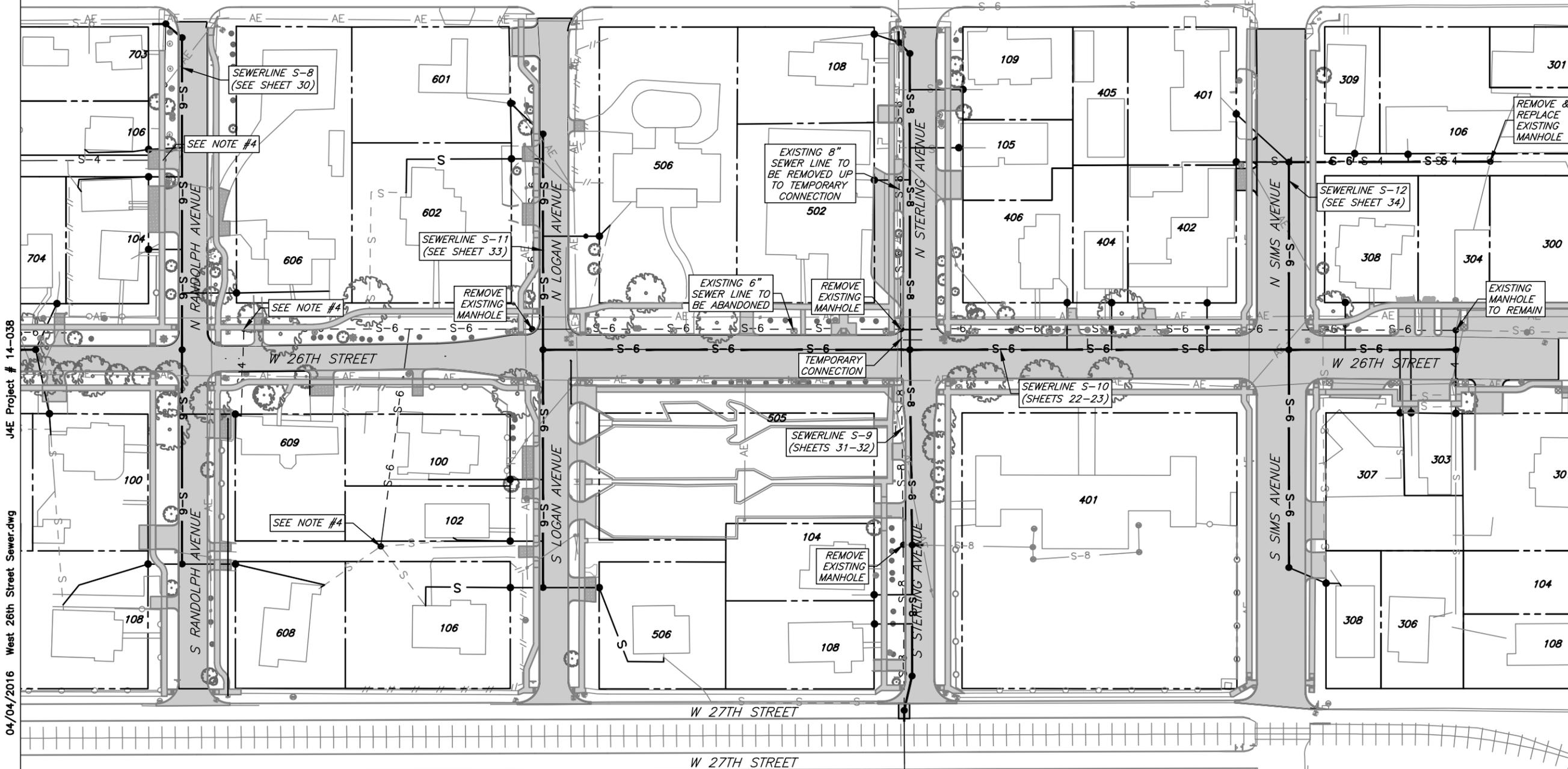
Legend:	
---s---s---s---	Proposed Abandon Sewer Service
---s-4---s-4---	Proposed Abandon 4" Sewer Line
---s-6---s-6---	Proposed Abandon 6" Sewer Line

*All Proposed Abandon Sewer Lines, as shown above, shall be abandoned and grout filled unless otherwise stated. Remove all Clean-Outs on the Sewer Main to a Point Below Grade, Cap & Grout Fill per City of Bryan Specifications.

note:

1. Final placement of all clean-outs and sanitary sewer service lines shall be determined in the field; staked for alignment, clean-outs, & connections; and approved by the city's inspector prior to installation.
2. For each home where a new sanitary sewer is installed, the contractor shall confirm that all sanitary sewer flow is properly leaving the residence prior to removing the existing sanitary sewer service. All private sewer services shall be abandoned in place, without grout filling.
3. All proposed manholes for this project shall be ordered only after the contractor uncovers existing utilities at all "points of interest" to determine if conflicts exist before commencing any construction with the approval of the city's inspector. Contractor shall notify the engineer of any conflict. The city is not responsible for incorrect orders.
4. All manholes not within 5 feet of pavement structures shall have manhole cone removed & backfill with cement stabilized sand to within 1' surface & dress with clean, common fill to match existing grade, unless otherwise noted.

WILLIAM JOEL
BRYAN PARKWAY
FM 158



Sewerline Overview

General Notes:

1. All construction shall be in accordance with the current BCS Standard Specifications, Details, and Design Guidelines for Water, Sewer, Streets, and Drainage, unless otherwise noted.
2. It is the intent of these plans to comply with all City of Bryan guidelines, details, and specifications.

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Project Name and Address:

West 26th Street Rehabilitation
City of Bryan Project Number
332-411-425-611-DE-0915
Bryan, Brazos County, Texas

Date:	Apr 2016	Sheet:	18
Scale:	As Noted		

Note:

1. No manholes or clean-outs are to be placed within the proposed sidewalks. Contractor to verify the location of all proposed sidewalks prior to installation of valves, meters, etc. and notify Engineer of any conflicts found. Failure to do so will result in relocation (at contractor's expense) of meters, valves, etc. prior to construction of sidewalks.
2. Contractor to contact BTU for help in stabilizing power poles prior to excavating near power poles.

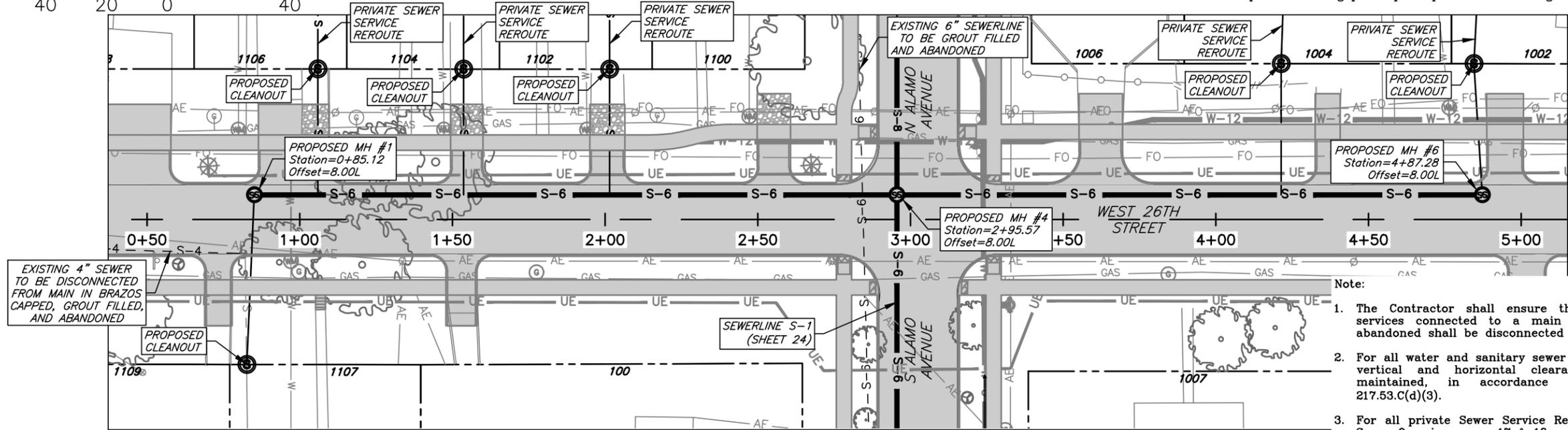
J4E Project # 14-038

04/04/2016 West 26th Street Sewer.dwg

J4 Engineering



Plan: Sewerline S-2



Note:

1. No manholes or clean-outs are to be placed within the proposed sidewalks. Contractor to verify the location of all proposed sidewalks prior to installation of valves, meters, etc. and notify Engineer of any conflicts found. Failure to do so will result in relocation (at contractor's expense) of meters, valves, etc. prior to construction of sidewalks.
2. Contractor to contact BTU for help in stabilizing power poles prior to excavating near power poles.

Sewerline S-2 Plan & Profile

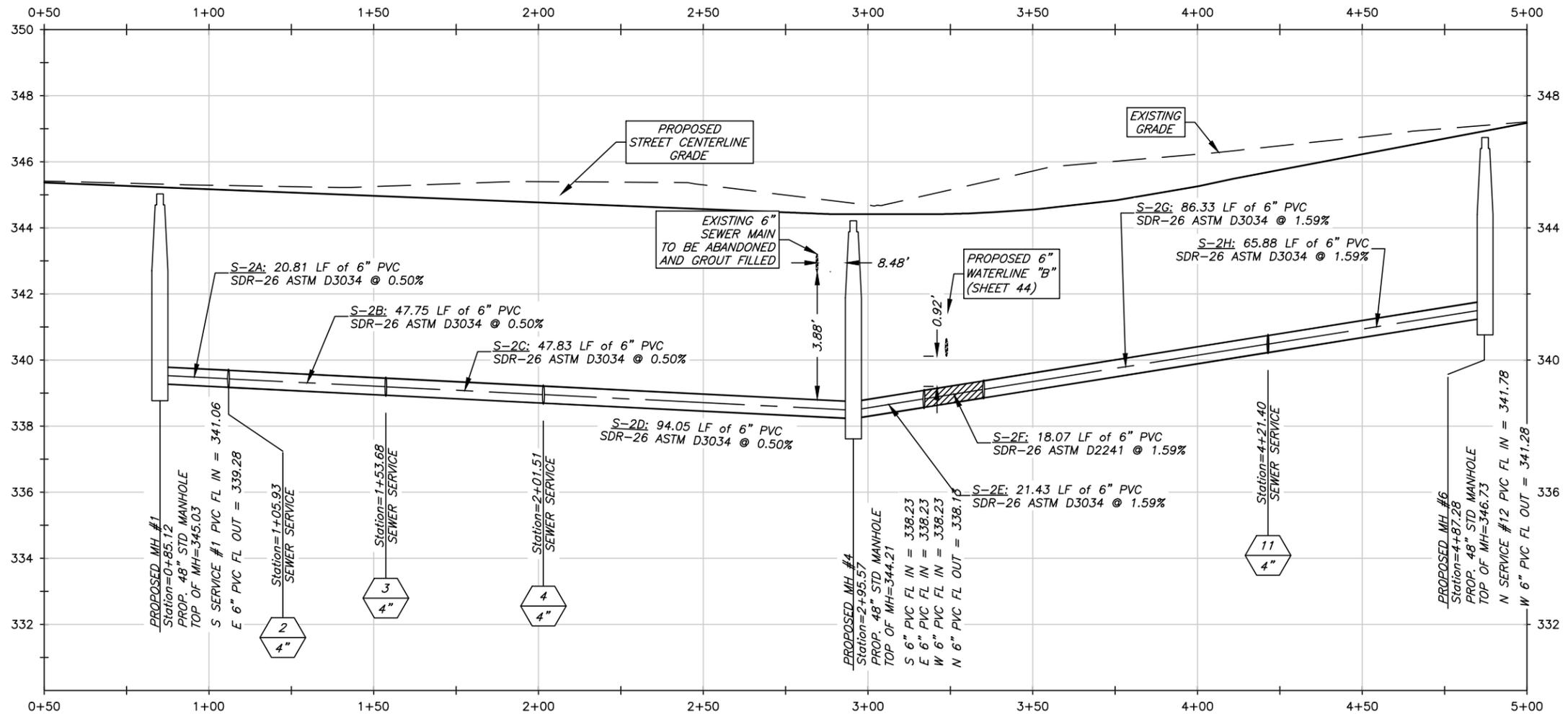
General Notes:

1. All construction shall be in accordance with the current BCS Standard Specifications, Details, and Design Guidelines for Water, Sewer, Streets, and Drainage, unless otherwise noted.
2. It is the intent of these plans to comply with all City of Bryan guidelines, details, and specifications.

Note:

1. The Contractor shall ensure that all existing services connected to a main that is to be abandoned shall be disconnected and capped.
2. For all water and sanitary sewer main crossings, vertical and horizontal clearances must be maintained, in accordance with 30 TAC 217.53.C(d)(3).
3. For all private Sewer Service Reroutes, refer to Sewer Overview pages 17 & 18.
4. Minimum grades are in accordance with 30 TAC 217.53C(1)(A).

Profile: Sewerline S-2



J4E Project # 14-038

04/04/2016 West 26th Street Sewer.dwg

J4 Engineering

Owner Name and Address:

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PO Box 1000 - Bryan, Texas 77805

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Project Name and Address:

**West 26th Street
Rehabilitation**

City of Bryan Project Number
332-411-425-611-DE-0915

Bryan, Brazos County, Texas

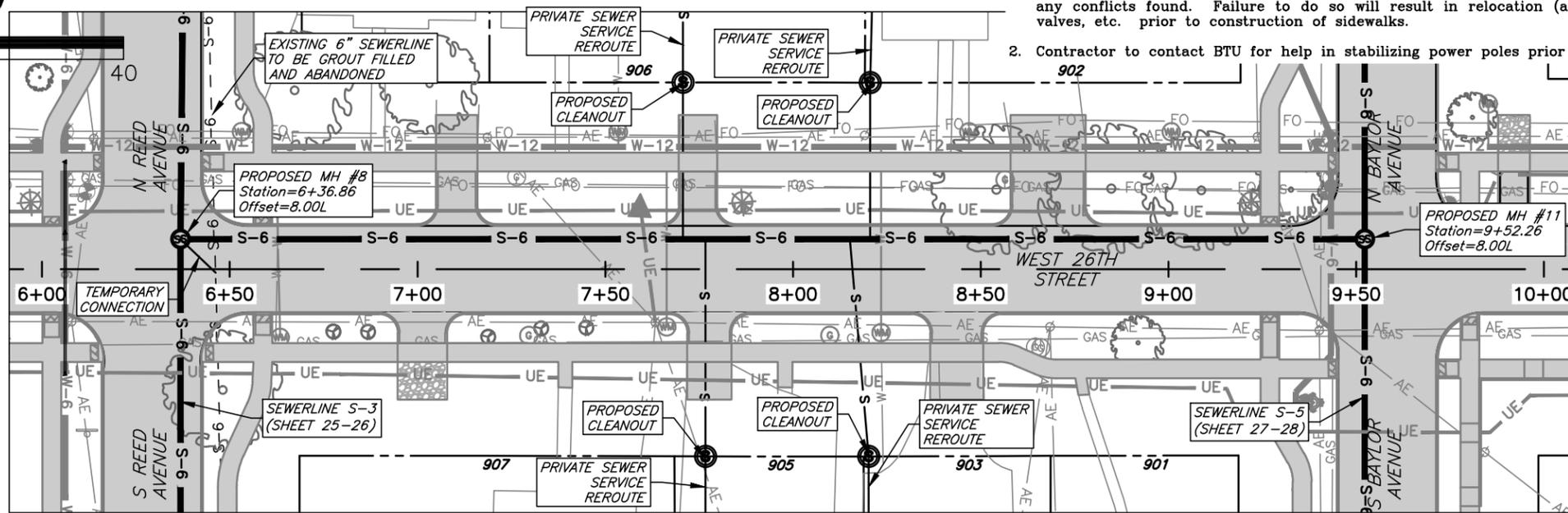
Date: Apr 2016

Scale: As Noted

Sheet: 19



Plan: Sewerline S-4



Note:

1. No manholes or clean-outs are to be placed within the proposed sidewalks. Contractor to verify the location of all proposed sidewalks prior to installation of valves, meters, etc. and notify Engineer of any conflicts found. Failure to do so will result in relocation (at contractor's expense) of meters, valves, etc. prior to construction of sidewalks.
2. Contractor to contact BTU for help in stabilizing power poles prior to excavating near power poles.

Sewerline S-4 Plan & Profile

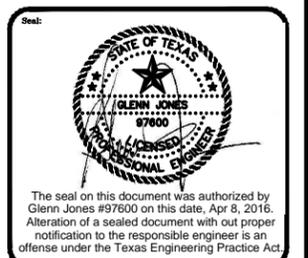
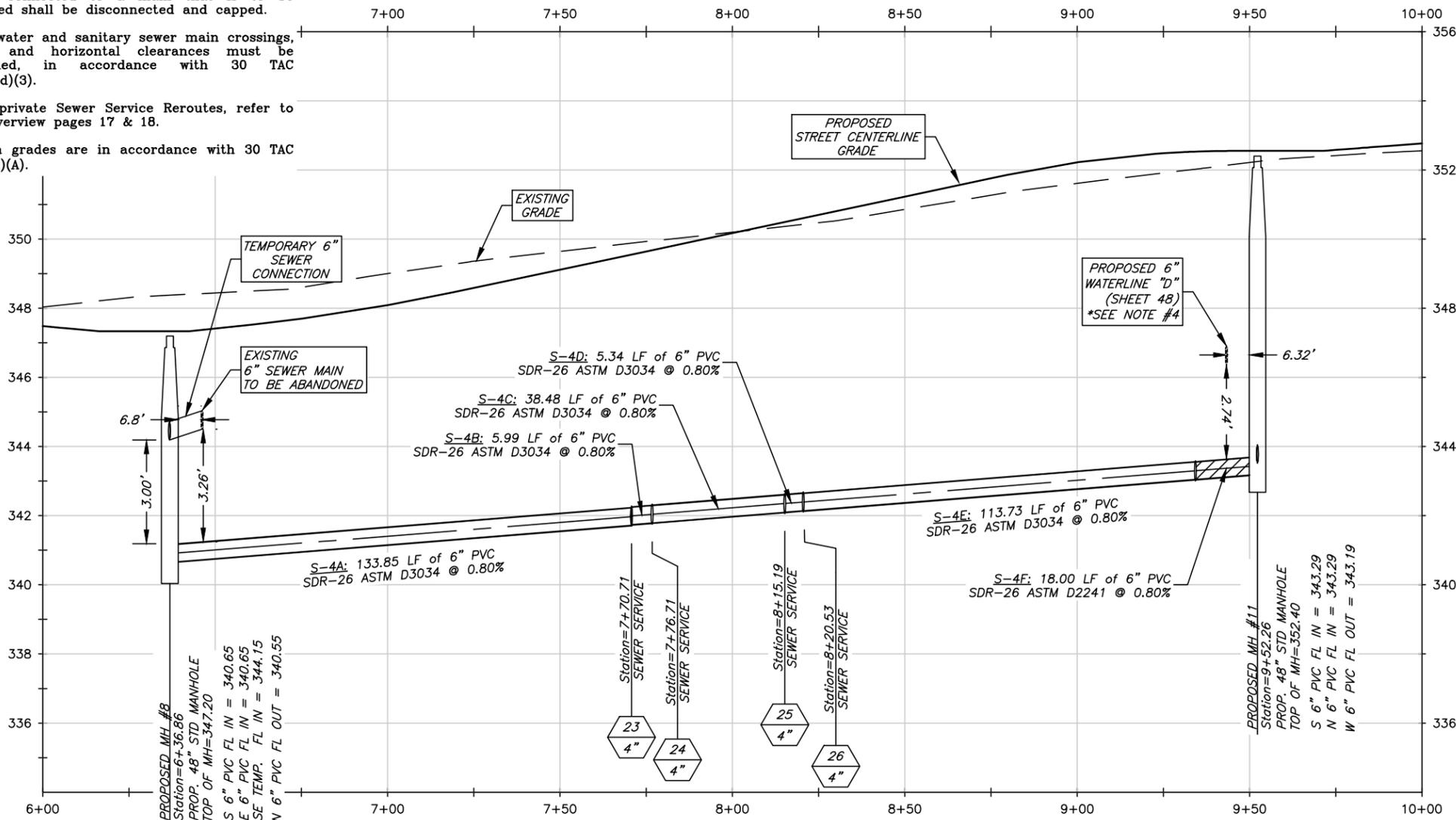
General Notes:

1. All construction shall be in accordance with the current BCS Standard Specifications, Details, and Design Guidelines for Water, Sewer, Streets, and Drainage, unless otherwise noted.
2. It is the intent of these plans to comply with all City of Bryan guidelines, details, and specifications.
3. All temporary connections shall be removed and the connection point repaired after new sanitary sewer system is placed into service.

Note:

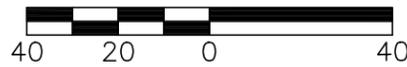
1. The Contractor shall ensure that all existing services connected to a main that is to be abandoned shall be disconnected and capped.
2. For all water and sanitary sewer main crossings, vertical and horizontal clearances must be maintained, in accordance with 30 TAC 217.53.C(d)(3).
3. For all private Sewer Service Reroutes, refer to Sewer Overview pages 17 & 18.
4. Minimum grades are in accordance with 30 TAC 217.53C(1)(A).

Profile: Sewerline S-4

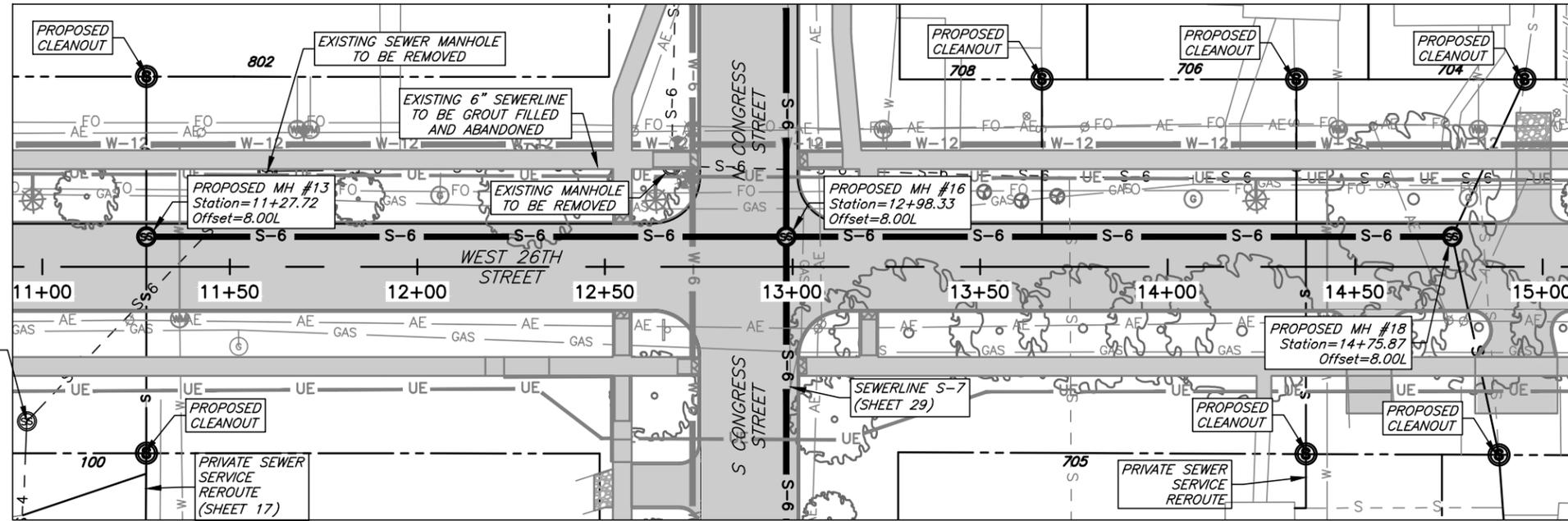


Project Name and Address:
West 26th Street Rehabilitation
 City of Bryan Project Number
 332-411-425-611-DE-0915
 Bryan, Brazos County, Texas

Date: Apr 2016
 Sheet: 20



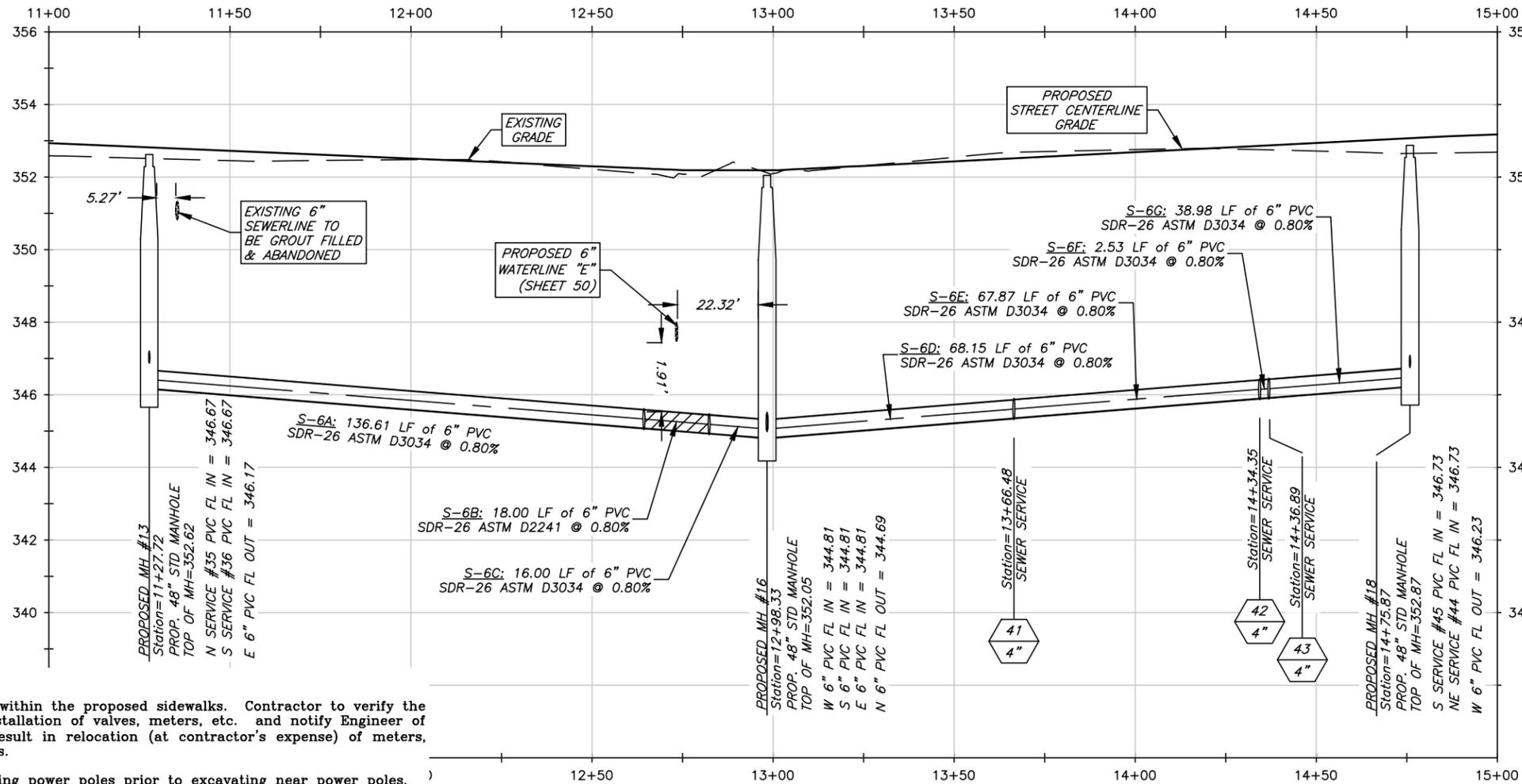
Plan: Sewerline S-6



EXISTING SEWER MANHOLE TO BE ABANDONED, SEE NOTE #4

- Note:
- The Contractor shall ensure that all existing services connected to a main that is to be abandoned shall be disconnected from the abandoned main and capped.
 - For all water and sanitary sewer main crossings, vertical and horizontal clearances must be maintained, in accordance with 30 TAC 217.53.C(d)(3).
 - For all private Sewer Service Reroutes, refer to Sewer Overview pages 17 & 18.
 - All manholes not within 5 feet of the pavement structures shall have manhole cone removed & backfill with cement stabilized sand to within 1' of surface & dress with clean, common fill to match existing grade.

Profile: Sewerline S-6



- Note:
- No manholes or clean-outs are to be placed within the proposed sidewalks. Contractor to verify the location of all proposed sidewalks prior to installation of valves, meters, etc. and notify Engineer of any conflicts found. Failure to do so will result in relocation (at contractor's expense) of meters, valves, etc. prior to construction of sidewalks.
 - Contractor to contact BTU for help in stabilizing power poles prior to excavating near power poles.

Sewerline S-6 Plan & Profile

General Notes:

- All construction shall be in accordance with the current BCS Standard Specifications, Details, and Design Guidelines for Water, Sewer, Streets, and Drainage, unless otherwise noted.
- It is the intent of these plans to comply with all City of Bryan guidelines, details, and specifications.

Owner Name and Address:



CITY OF BRYAN
The Good Life, Texas Style.
PO Box 1000 - Bryan, Texas 77805

Firm Name and Address:



J4 Engineering
PO Box 5192 - Bryan, Texas - 77805
979-739-0567 www.J4Engineering.com
Firm# 9951

Seal:



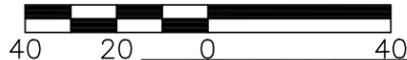
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Project Name and Address:

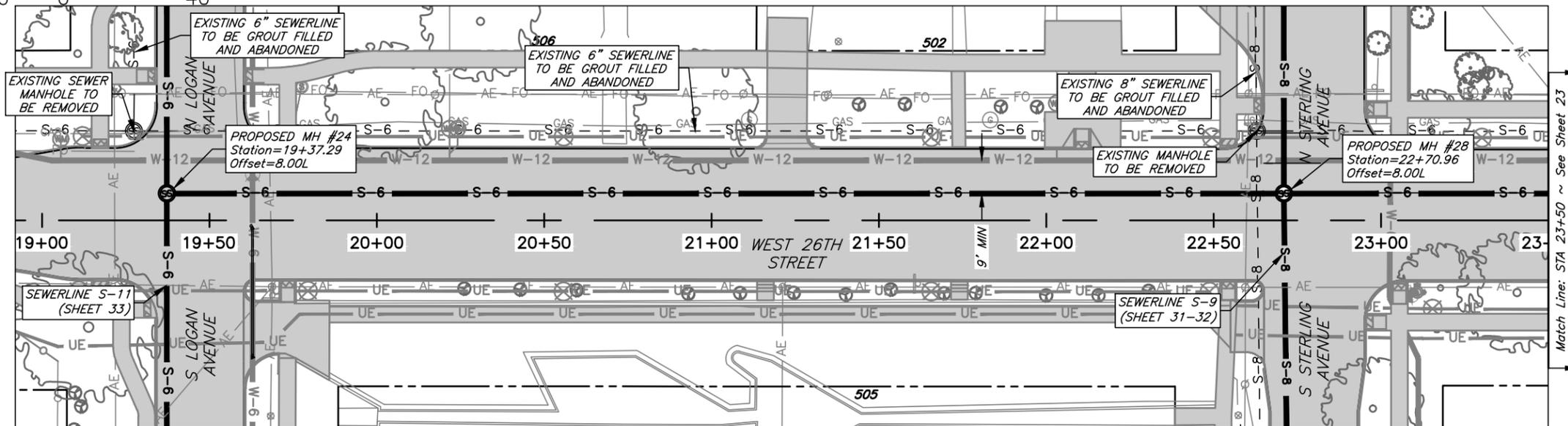
**West 26th Street
Rehabilitation**

City of Bryan Project Number
332-411-425-611-DE-0915
Bryan, Brazos County, Texas

Date: Apr 2016
Scale: As Noted
Sheet: 21



Plan: Sewerline S-10



Note:

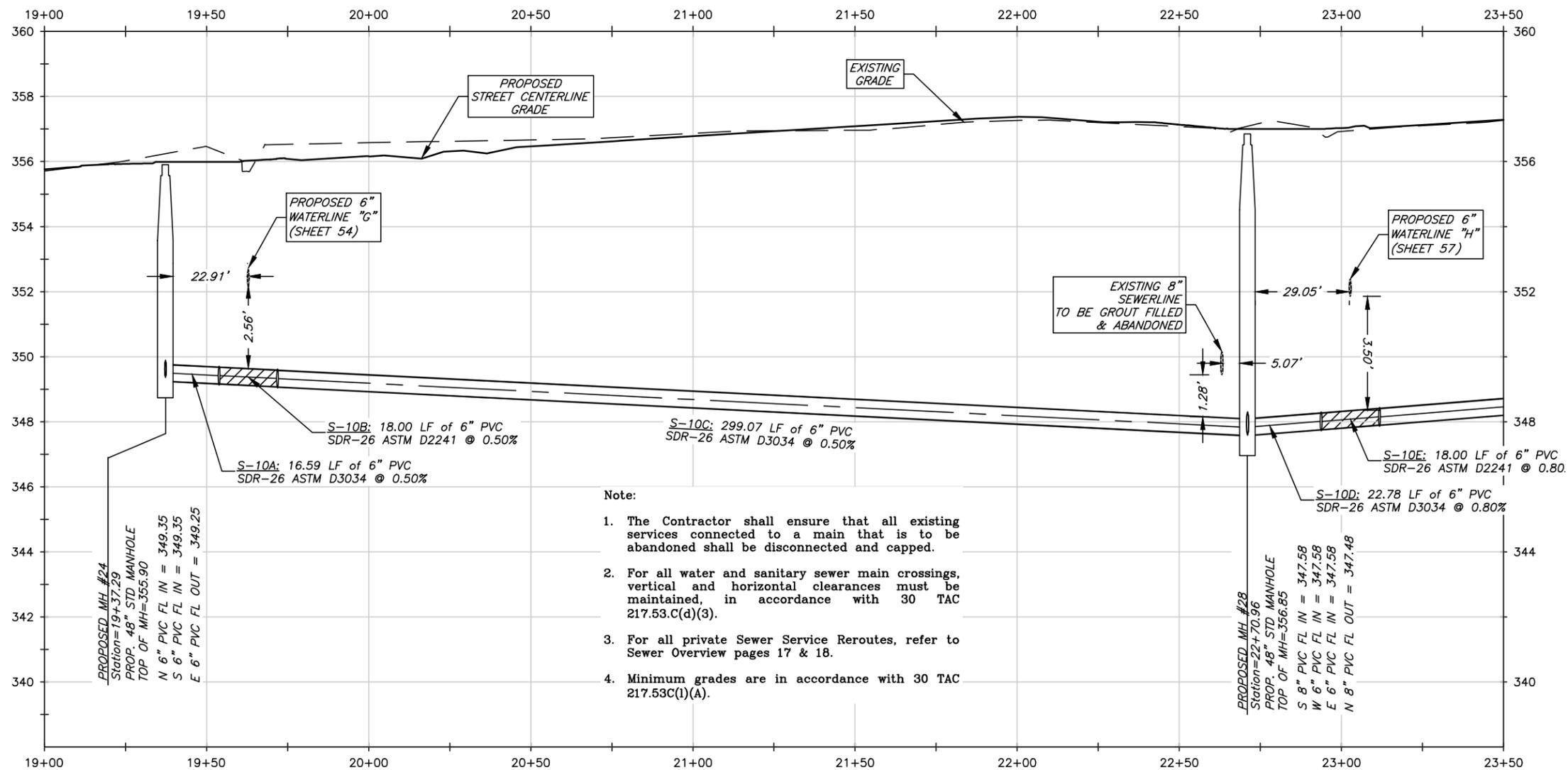
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2. Contractor to contact BTU for help in stabilizing power poles prior to excavating near power poles.

Sewerline S-10 Plan & Profile

General Notes:

1. All construction shall be in accordance with the current BCS Standard Specifications, Details, and Design Guidelines for Water, Sewer, Streets, and Drainage, unless otherwise noted.
2. It is the intent of these plans to comply with all City of Bryan guidelines, details, and specifications.

Profile: Sewerline S-10



Note:

1. The Contractor shall ensure that all existing services connected to a main that is to be abandoned shall be disconnected and capped.
2. For all water and sanitary sewer main crossings, vertical and horizontal clearances must be maintained, in accordance with 30 TAC 217.53.C(d)(3).
3. For all private Sewer Service Reroutes, refer to Sewer Overview pages 17 & 18.
4. Minimum grades are in accordance with 30 TAC 217.53C(1)(A).

J4E Project # 14-038

04/04/2016 West 26th Street Sewer.dwg

J4 Engineering

Owner Name and Address:



CITY OF BRYAN
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Project Name and Address:

**West 26th Street
Rehabilitation**

City of Bryan Project Number
332-411-425-611-DE-0915

Bryan, Brazos County, Texas

Date: Apr 2016

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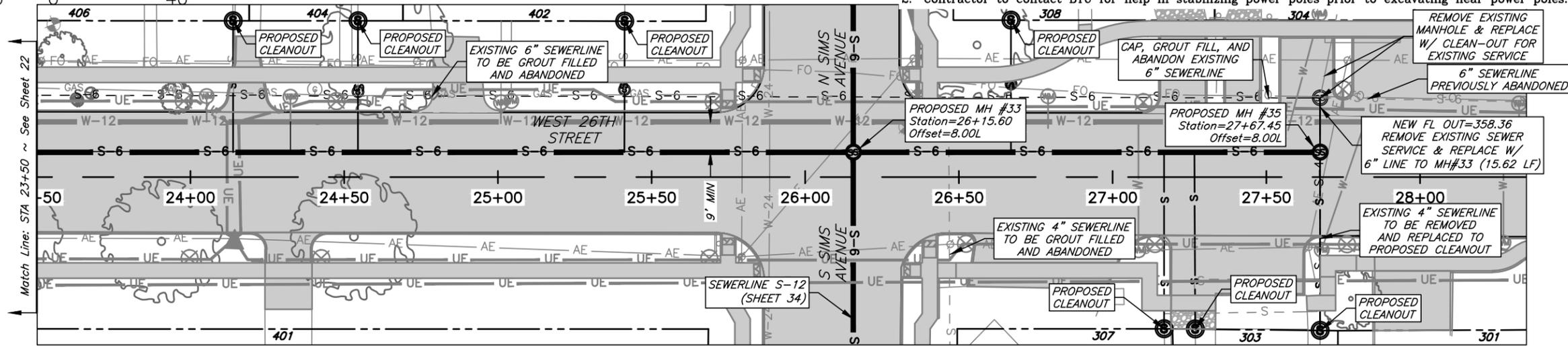
Sheet: 22



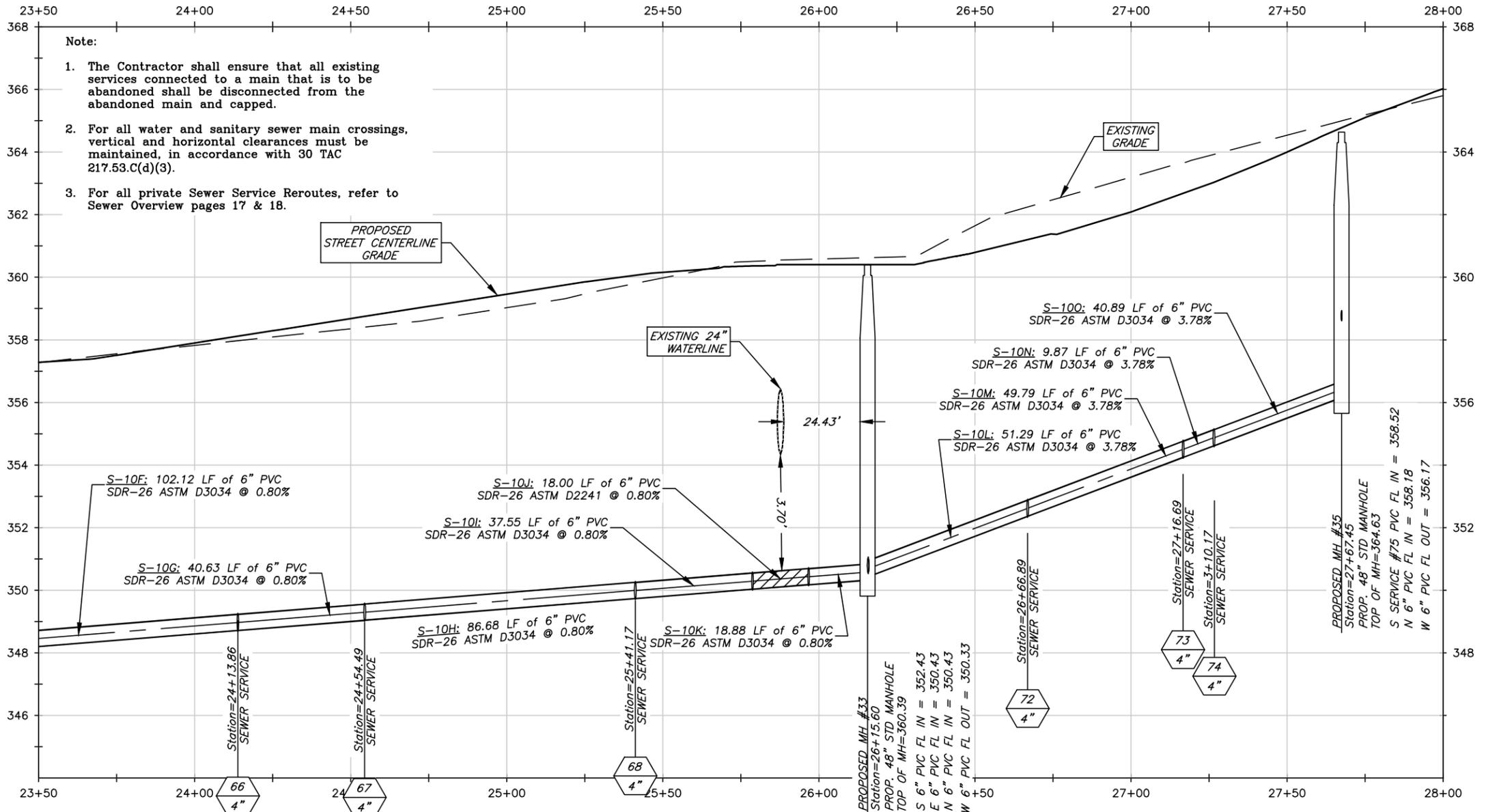
Plan: Sewerline S-10

Note:

- No manholes or clean-outs are to be placed within the proposed sidewalks. Contractor to verify the location of all proposed sidewalks prior to installation of valves, meters, etc. and notify Engineer of any conflicts found. Failure to do so will result in relocation (at contractor's expense) of meters, valves, etc. prior to construction of sidewalks.
- Contractor to contact BTU for help in stabilizing power poles prior to excavating near power poles.



Profile: Sewerline S-10



Note:

- The Contractor shall ensure that all existing services connected to a main that is to be abandoned shall be disconnected from the abandoned main and capped.
- For all water and sanitary sewer main crossings, vertical and horizontal clearances must be maintained, in accordance with 30 TAC 217.53.C(d)(3).
- For all private Sewer Service Reroutes, refer to Sewer Overview pages 17 & 18.

Sewerline S-10 Plan & Profile

General Notes:

- All construction shall be in accordance with the current BCS Standard Specifications, Details, and Design Guidelines for Water, Sewer, Streets, and Drainage, unless otherwise noted.
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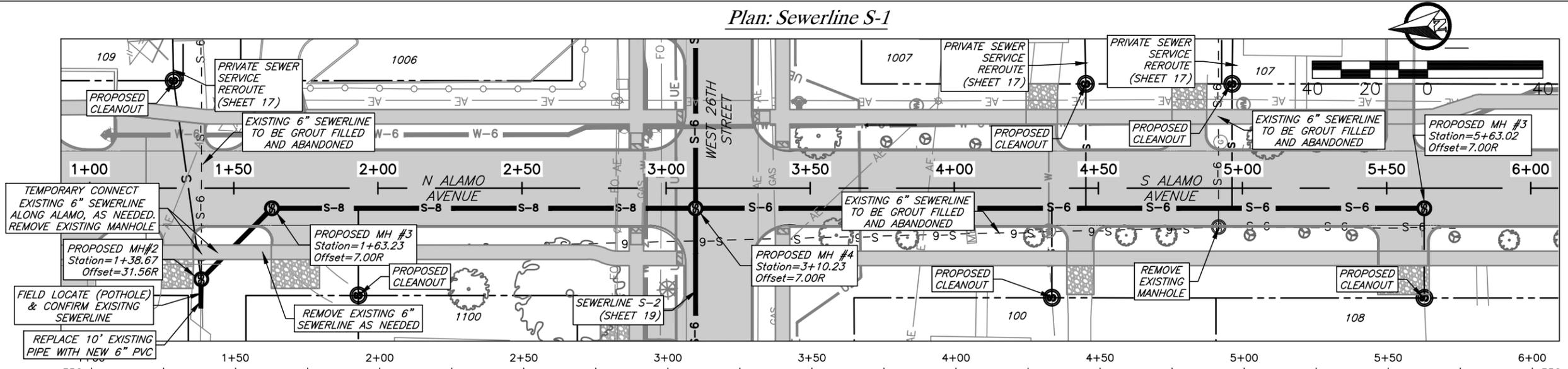
Project Name and Address:

West 26th Street Rehabilitation
City of Bryan Project Number 332-411-425-611-DE-0915
Bryan, Brazos County, Texas

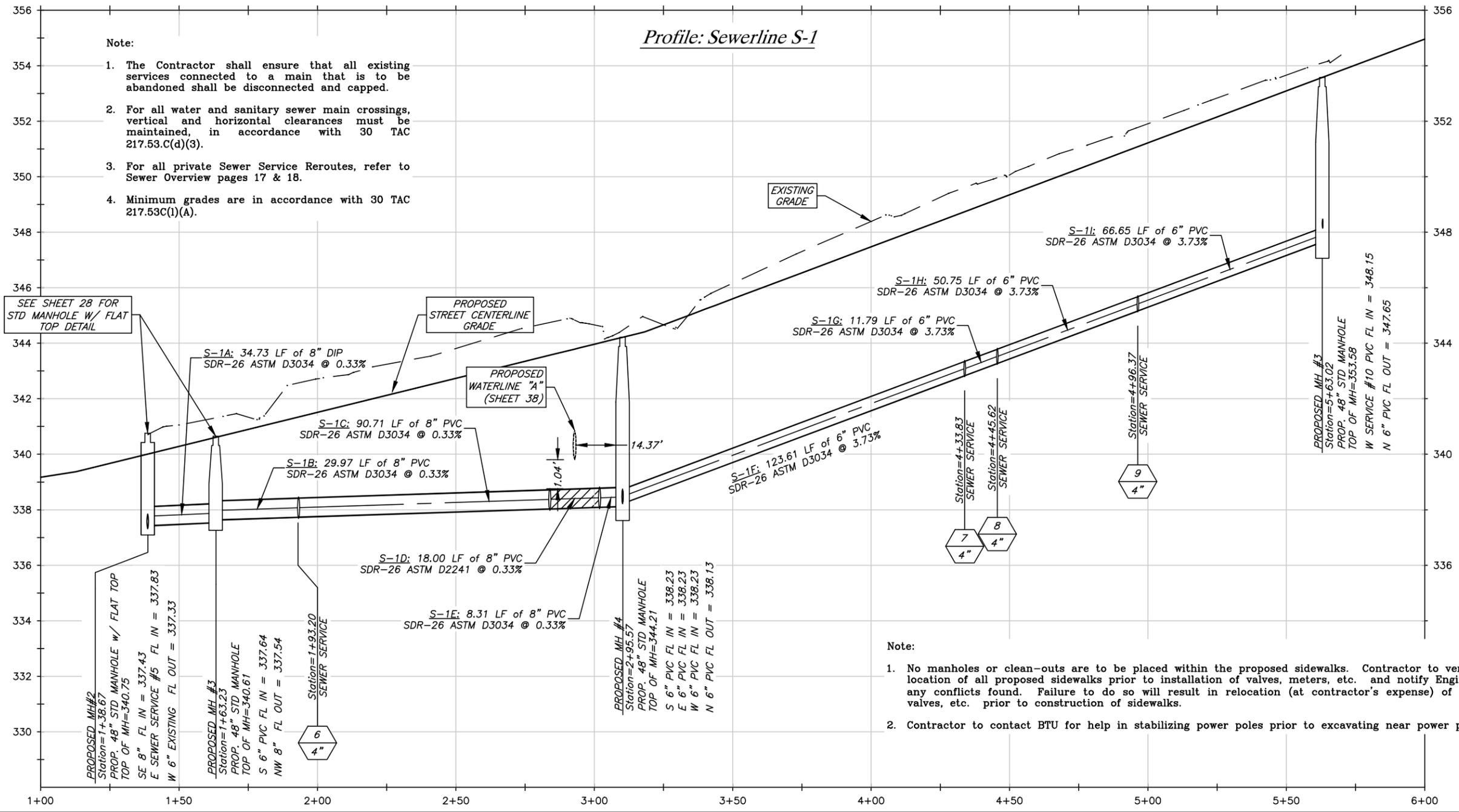
Date: Apr 2016
Scale: As Noted
Sheet: 23

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Plan: Sewerline S-1



Profile: Sewerline S-1



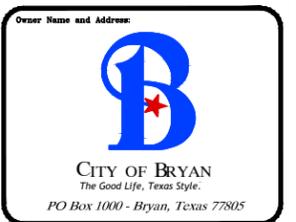
- Note:
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 3. For all private Sewer Service Reroutes, refer to Sewer Overview pages 17 & 18.
 4. Minimum grades are in accordance with 30 TAC 217.53C(1)(A).

- Note:
1. No manholes or clean-outs are to be placed within the proposed sidewalks. Contractor to verify the location of all proposed sidewalks prior to installation of valves, meters, etc. and notify Engineer of any conflicts found. Failure to do so will result in relocation (at contractor's expense) of meters, valves, etc. prior to construction of sidewalks.
 2. Contractor to contact BTU for help in stabilizing power poles prior to excavating near power poles.

Sewerline S-1
Plan & Profile

General Notes:

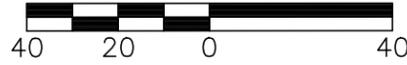
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3. The Contractor shall confirm that all Sanitary Flow is leaving the residence prior to removing the existing sanitary sewer service and temporary connections.



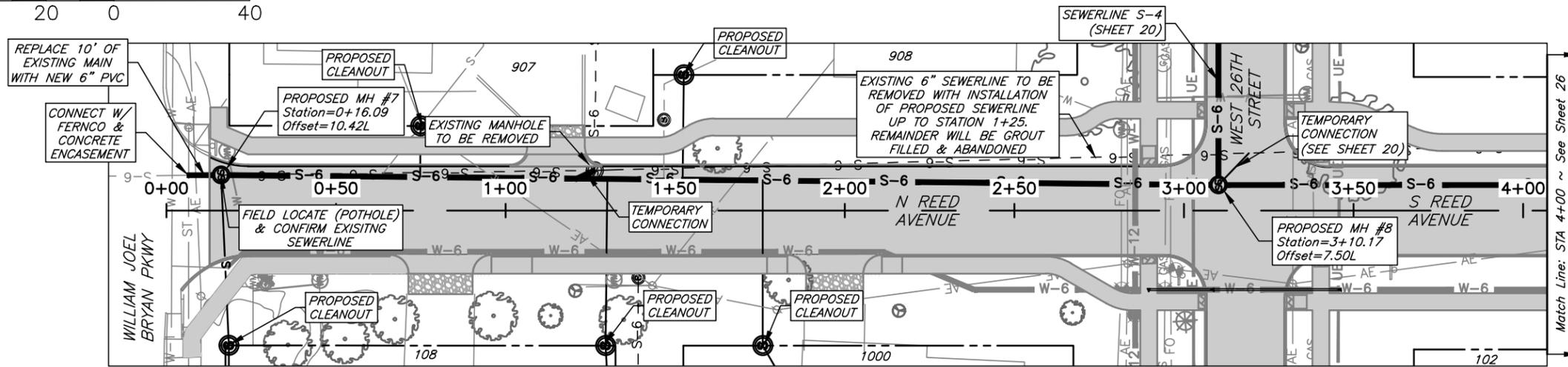
Project Name and Address:
West 26th Street Rehabilitation
City of Bryan Project Number
332-411-425-611-DE-0915
Bryan, Brazos County, Texas

Date: Apr 2016	Sheet: 24
Scale: As Noted	

J4 Engineering 04/04/2016 West 26th Street Sewer.dwg J4E Project # 14-038



Plan: Sewerline S-3



Note:

1. No manholes or clean-outs are to be placed within the proposed sidewalks. Contractor to verify the location of all proposed sidewalks prior to installation of valves, meters, etc. and notify Engineer of any conflicts found. Failure to do so will result in relocation (at contractor's expense) of meters, valves, etc. prior to construction of sidewalks.
2. Contractor to contact BTU for help in stabilizing power poles prior to excavating near power poles.

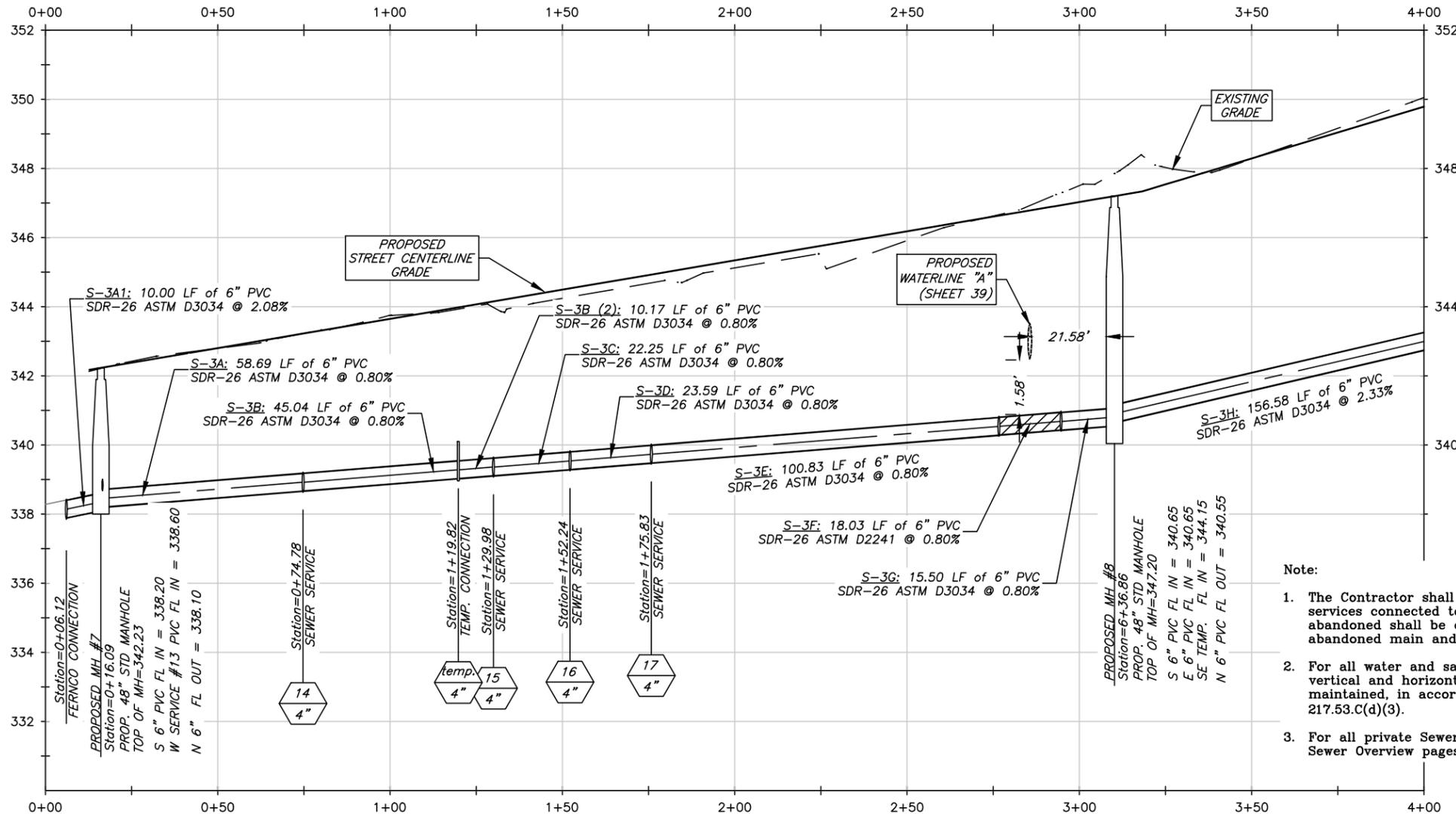
Sewerline S-3 Plan & Profile

General Notes:

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2. It is the intent of these plans to comply with all City of Bryan guidelines, details, and specifications.
3. All temporary connections shall be removed and the connection point repaired after new sanitary sewer system is placed into service.

Profile: Sewerline S-3

Profile Scale:
 1" = 40' Horizontal
 1" = 4' Vertical



Owner Name and Address:



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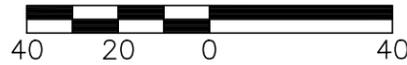
Project Name and Address:

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City of Bryan Project Number
 332-411-425-611-DE-0915

Bryan, Brazos County, Texas

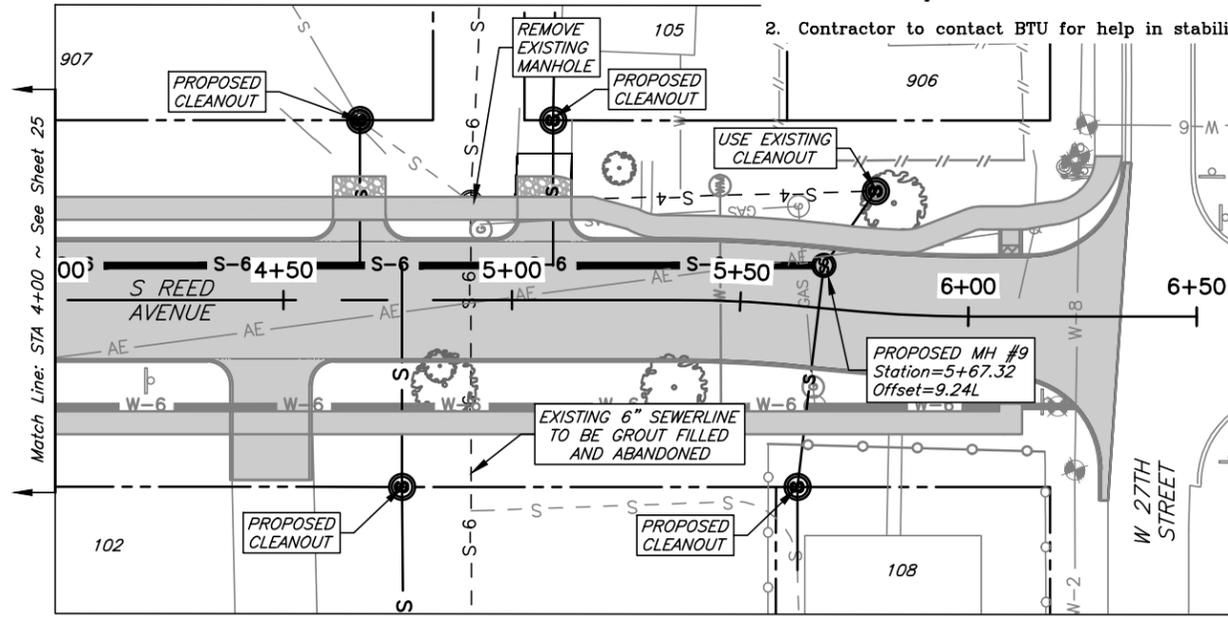
Date: Apr 2016
 Scale: As Noted
 Sheet: 25



Plan: Sewerline S-3

Note:

1. No manholes or clean-outs are to be placed within the proposed sidewalks. Contractor to verify the location of all proposed sidewalks prior to installation of valves, meters, etc. and notify Engineer of any conflicts found. Failure to do so will result in relocation (at contractor's expense) of meters, valves, etc. prior to construction of sidewalks.
2. Contractor to contact BTU for help in stabilizing power poles prior to excavating near power poles.

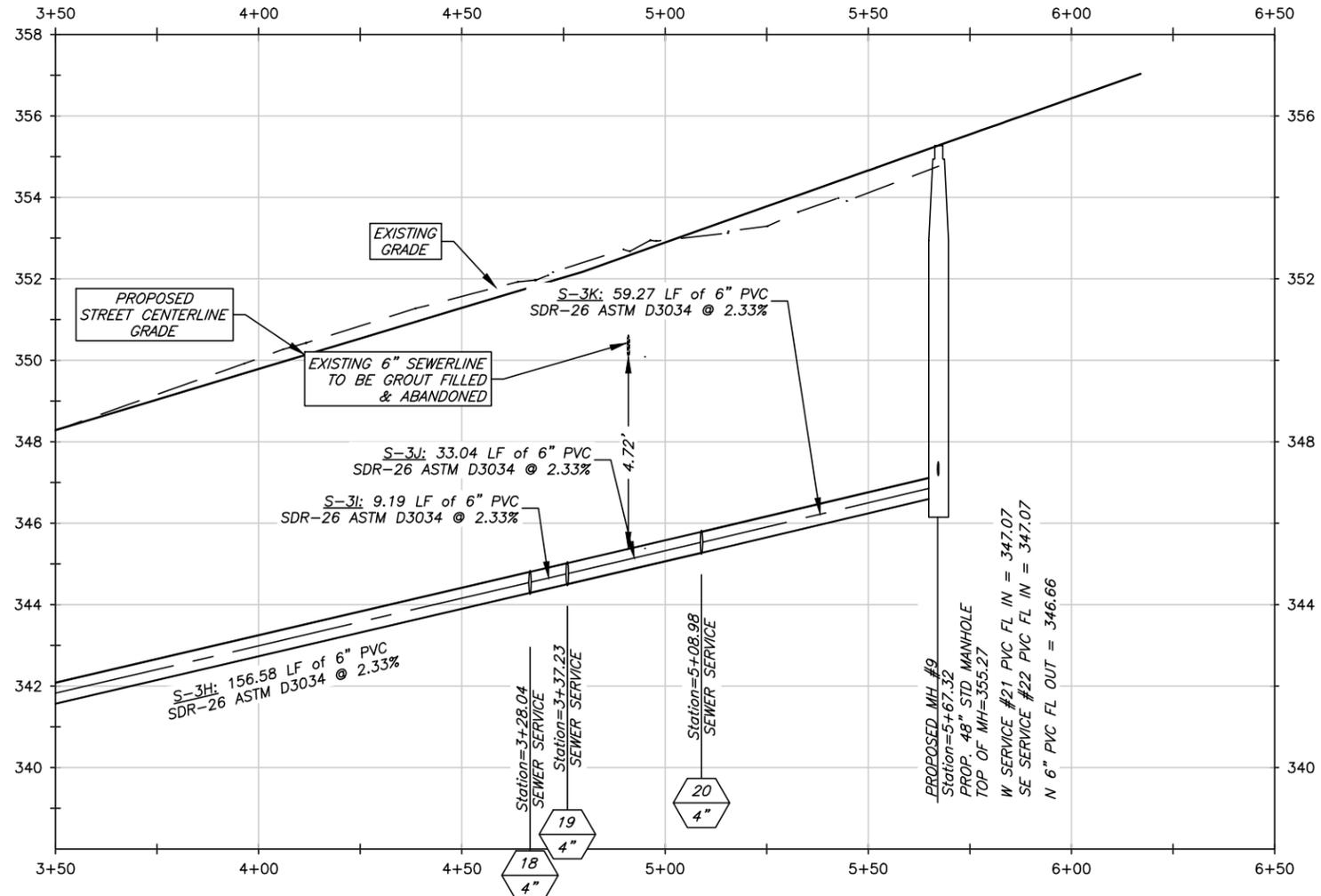


Note:

1. The Contractor shall ensure that all existing services connected to a main that is to be abandoned shall be disconnected from the abandoned main and capped.
2. For all water and sanitary sewer main crossings, vertical and horizontal clearances must be maintained, in accordance with 30 TAC 217.53.C(d)(3).
3. For all private Sewer Service Reroutes, refer to Sewer Overview pages 17 & 18.

Profile: Sewerline S-3

Profile Scale:
 1" = 40' Horizontal
 1" = 4' Vertical



Sewerline S-3 Plan & Profile

General Notes:

1. All construction shall be in accordance with the current BCS Standard Specifications, Details, and Design Guidelines for Water, Sewer, Streets, and Drainage, unless otherwise noted.
2. It is the intent of these plans to comply with all City of Bryan guidelines, details, and specifications.

Owner Name and Address:



CITY OF BRYAN
 The Good Life, Texas Style.
 PO Box 1000 - Bryan, Texas 77805

Firm Name and Address:



J4 Engineering
 PO Box 5192 - Bryan, Texas - 77805
 979-739-0567 www.J4Engineering.com
 Firm# 9951

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Project Name and Address:

**West 26th Street
 Rehabilitation**

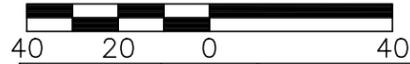
City of Bryan Project Number
 332-411-425-611-DE-0915

Bryan, Brazos County, Texas

Date: Apr 2016

Scale: As Noted

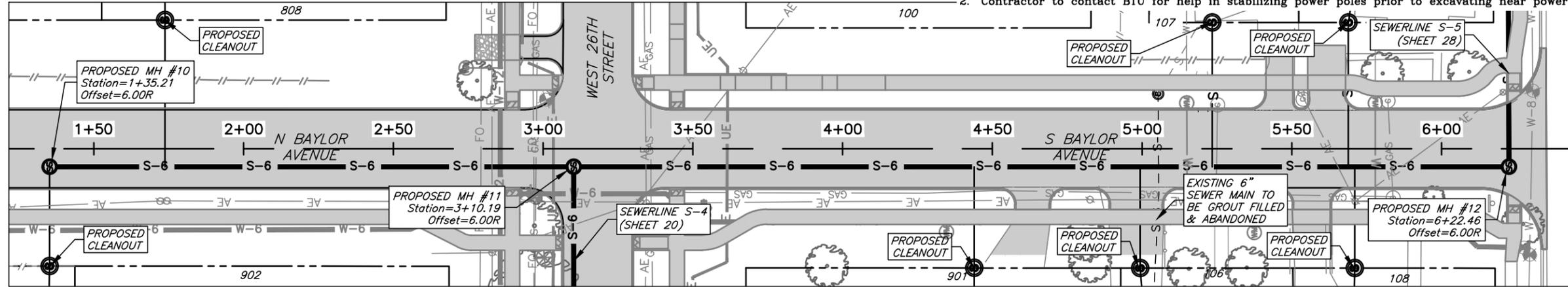
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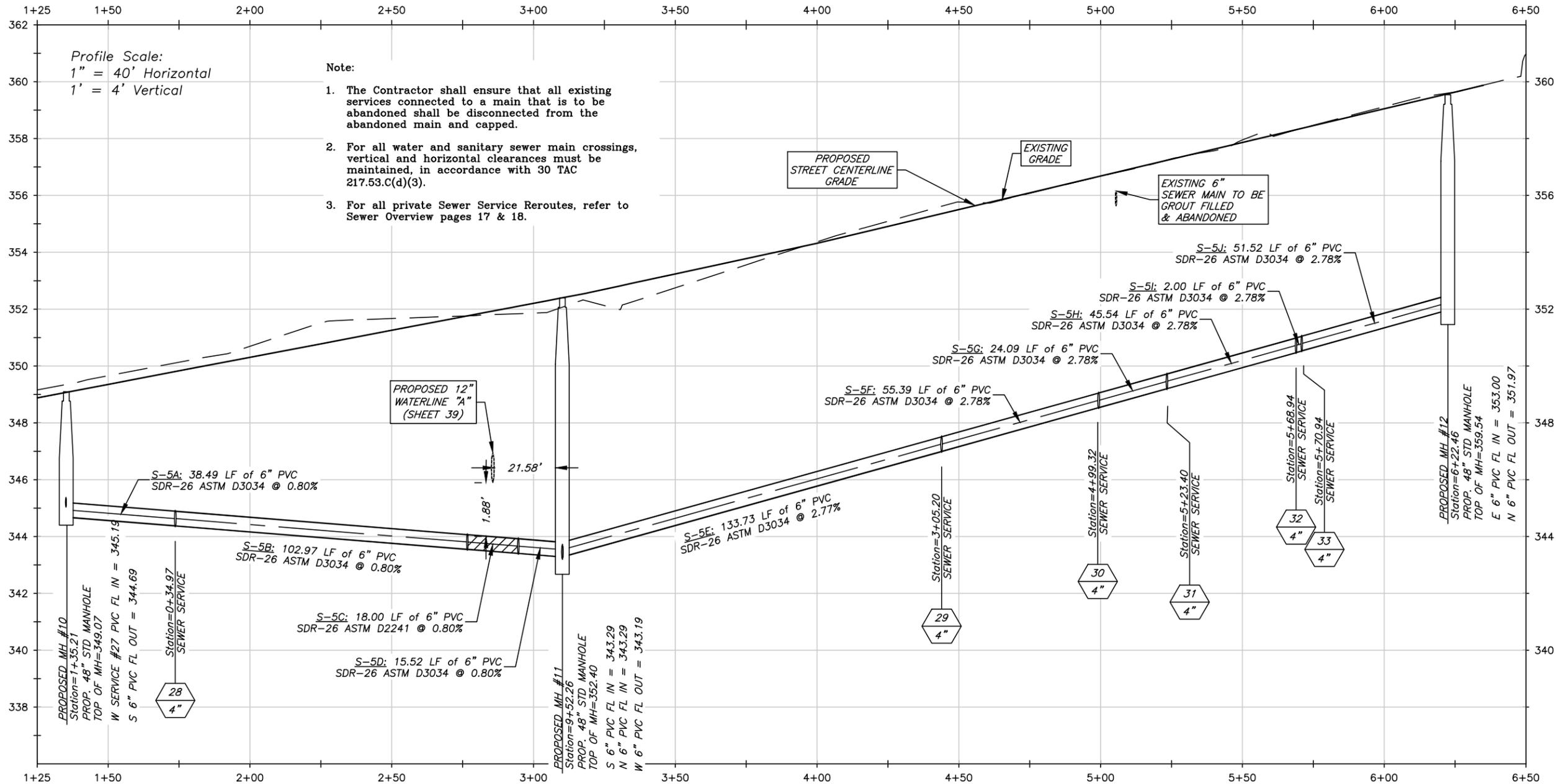
Plan: Sewerline S-5

Note:

- No manholes or clean-outs are to be placed within the proposed sidewalks. Contractor to verify the location of all proposed sidewalks prior to installation of valves, meters, etc. and notify Engineer of any conflicts found. Failure to do so will result in relocation (at contractor's expense) of meters, valves, etc. prior to construction of sidewalks.
- Contractor to contact BTU for help in stabilizing power poles prior to excavating near power poles.



Profile: Sewerline S-5



Sewerline S-5 Plan & Profile

General Notes:

- All construction shall be in accordance with the current BCS Standard Specifications, Details, and Design Guidelines for Water, Sewer, Streets, and Drainage, unless otherwise noted.
- It is the intent of these plans to comply with all City of Bryan guidelines, details, and specifications.

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Project Name and Address:

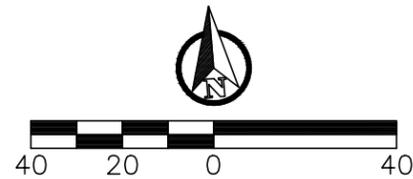
**West 26th Street
Rehabilitation**

City of Bryan Project Number
332-411-425-611-DE-0915

Bryan, Brazos County, Texas

Date: Apr 2016
Scale: As Noted
Sheet: 27

J4 Engineering 04/04/2016 West 26th Street Sewer.dwg J4E Project # 14-038

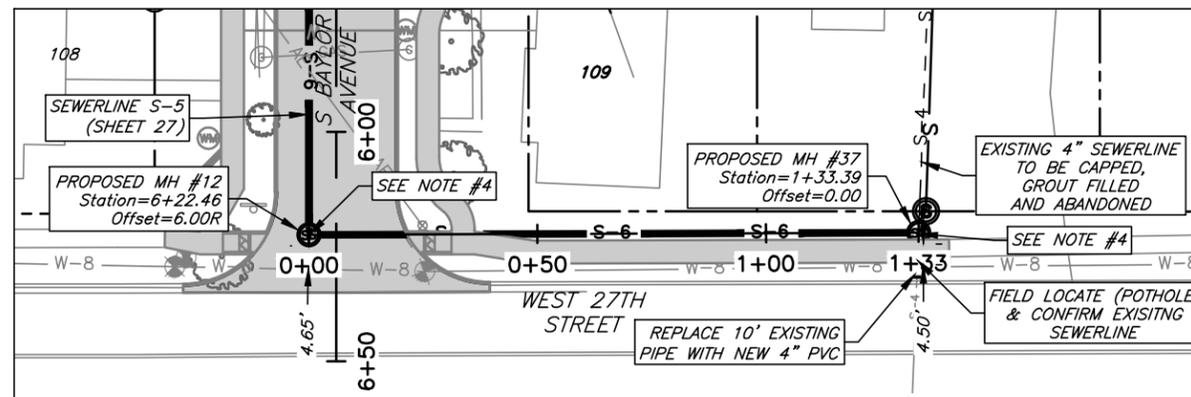


- Note:
1. The Contractor shall ensure that all existing services connected to a main that is to be abandoned shall be disconnected from the abandoned main and capped.
 2. For all water and sanitary sewer main crossings, vertical and horizontal clearances must be maintained, in accordance with 30 TAC 217.53.C(d)(3).
 3. For all private Sewer Service Reroutes, refer to Sewer Overview pages 17 & 18.
 4. Minimum water and sanitary separation is in accordance with, 30 TAC 217.53(d)(4)(B)

Note:

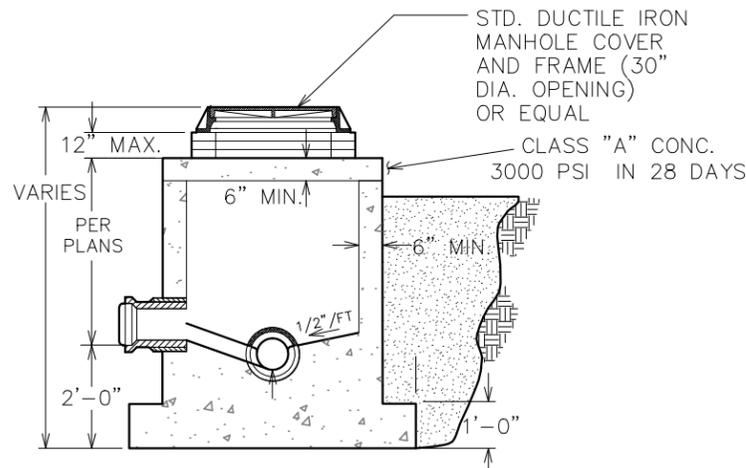
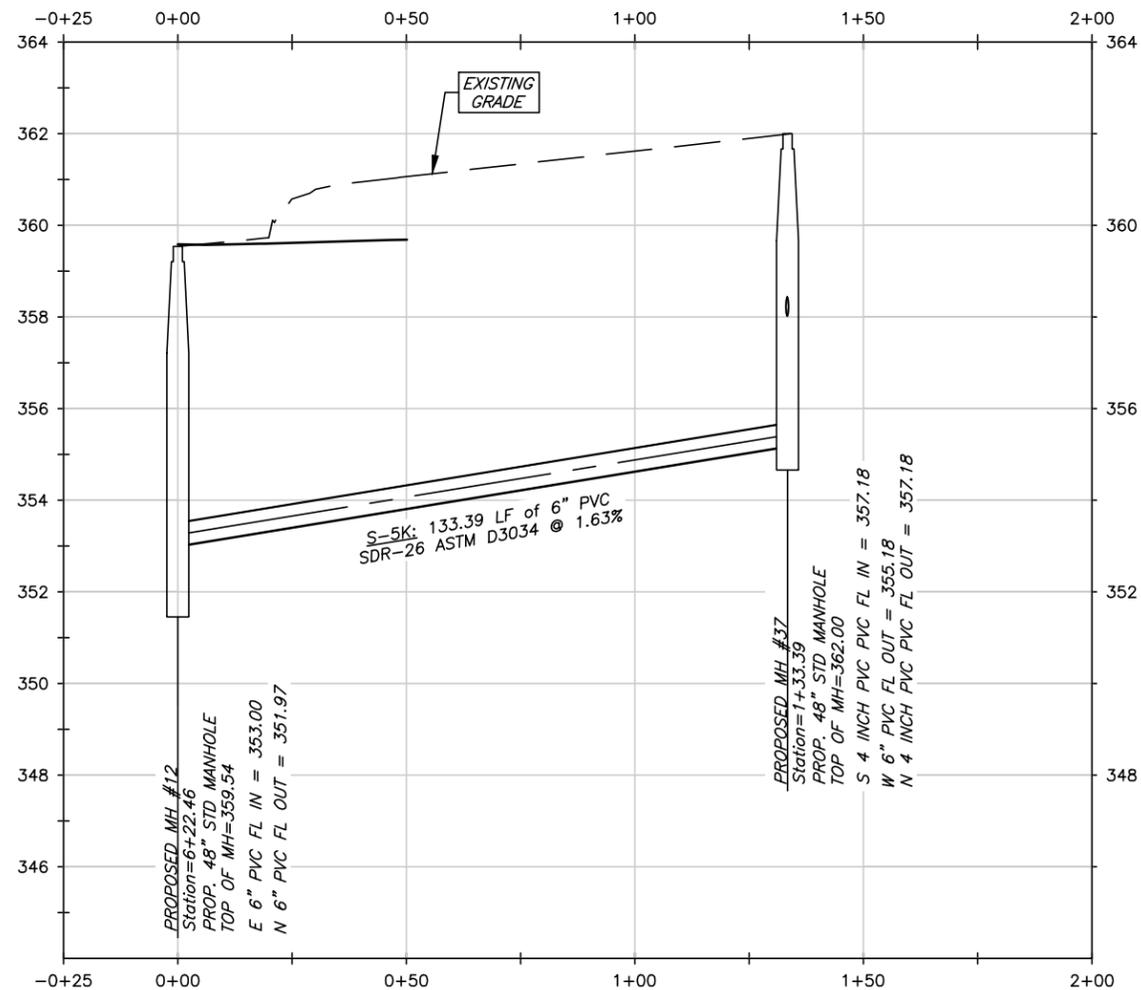
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2. Contractor to contact BTU for help in stabilizing power poles prior to excavating near power poles.

Plan: Sewerline S-5



Profile: Sewerline S-5

Profile Scale:
 1" = 40' Horizontal
 1" = 4' Vertical



NOTES:

1. ALL FLAT TOP MANHOLES SHALL FOLLOW DETAIL S1-00 UNLESS OTHERWISE NOTED HERE.
2. FLAT TOPS CAN BE CAST-IN-PLACE OR PRE-CAST.
3. MANHOLE COVER AND FRAME MAY BE CASTED INTO FLAT TOP WITH NO MINIMUM GRADE RING REQUIREMENT.

STANDARD MANHOLE W/ FLAT TOP COVER

N.T.S

Sewerline S-5 Plan & Profile

General Notes:

1. All construction shall be in accordance with the current BCS Standard Specifications, Details, and Design Guidelines for Water, Sewer, Streets, and Drainage, unless otherwise noted.
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Project Name and Address:

**West 26th Street
 Rehabilitation**

City of Bryan Project Number
 332-411-425-611-DE-0915

Bryan, Brazos County, Texas

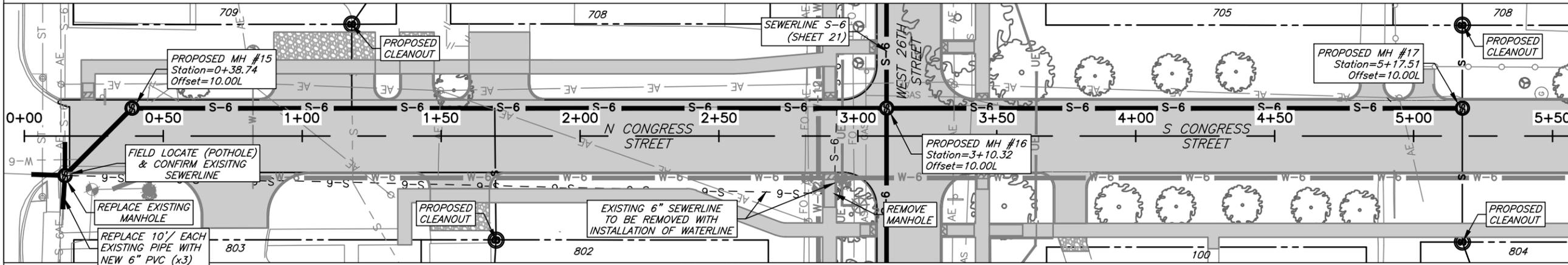
Date: Apr 2016
 Scale: As Noted
 Sheet: 28



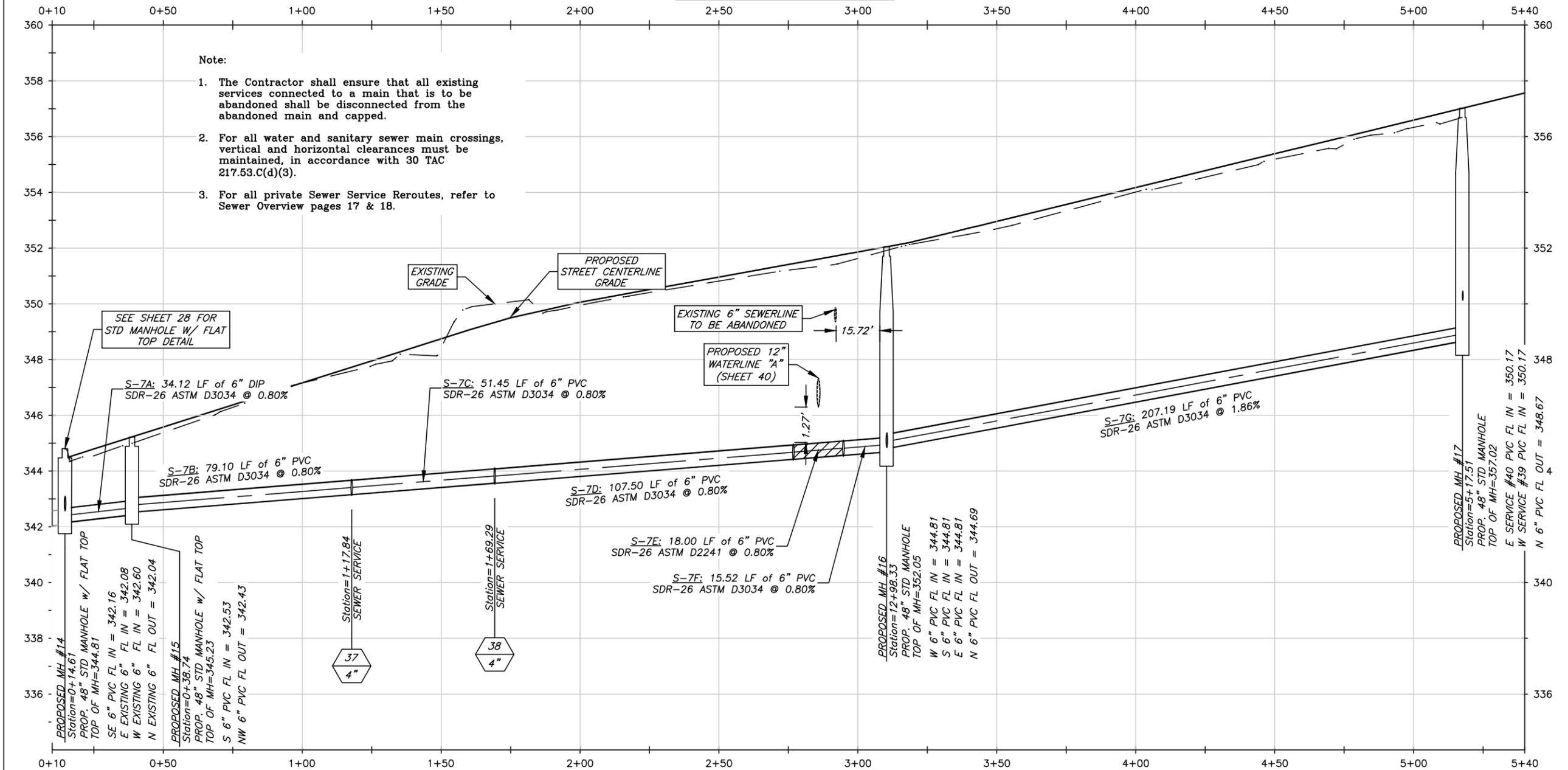
Plan: Sewerline S-7

Note:

1. No manholes or clean-outs are to be placed within the proposed sidewalks. Contractor to verify the location of all proposed sidewalks prior to installation of valves, meters, etc. and notify Engineer of any conflicts found. Failure to do so will result in relocation (at contractor's expense) of meters, valves, etc. prior to construction of sidewalks.
2. Contractor to contact BTU for help in stabilizing power poles prior to excavating near power poles.



Profile: Sewerline S-7



Note:

1. The Contractor shall ensure that all existing services connected to a main that is to be abandoned shall be disconnected from the abandoned main and capped.
2. For all water and sanitary sewer main crossings, vertical and horizontal clearances must be maintained, in accordance with 30 TAC 217.53.C(d)(3).
3. For all private Sewer Service Reroutes, refer to Sewer Overview pages 17 & 18.

Sewerline S-7 Plan & Profile

General Notes:

1. All construction shall be in accordance with the current BCS Standard Specifications, Details, and Design Guidelines for Water, Sewer, Streets, and Drainage, unless otherwise noted.
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Project Name and Address:

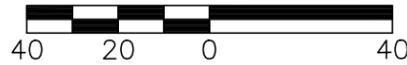
**West 26th Street
Rehabilitation**

City of Bryan Project Number
332-411-425-611-DE-0915

Bryan, Brazos County, Texas

Date: Apr 2016
Scale: As Noted
Sheet: 29

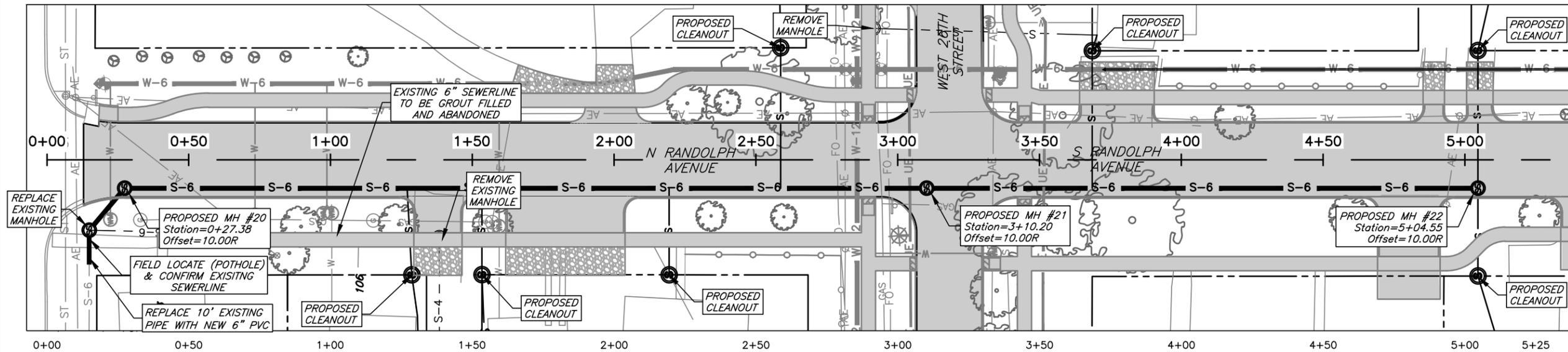
J4 Engineering 04/04/2016 West 26th Street Sewer.dwg J4E Project # 14-038



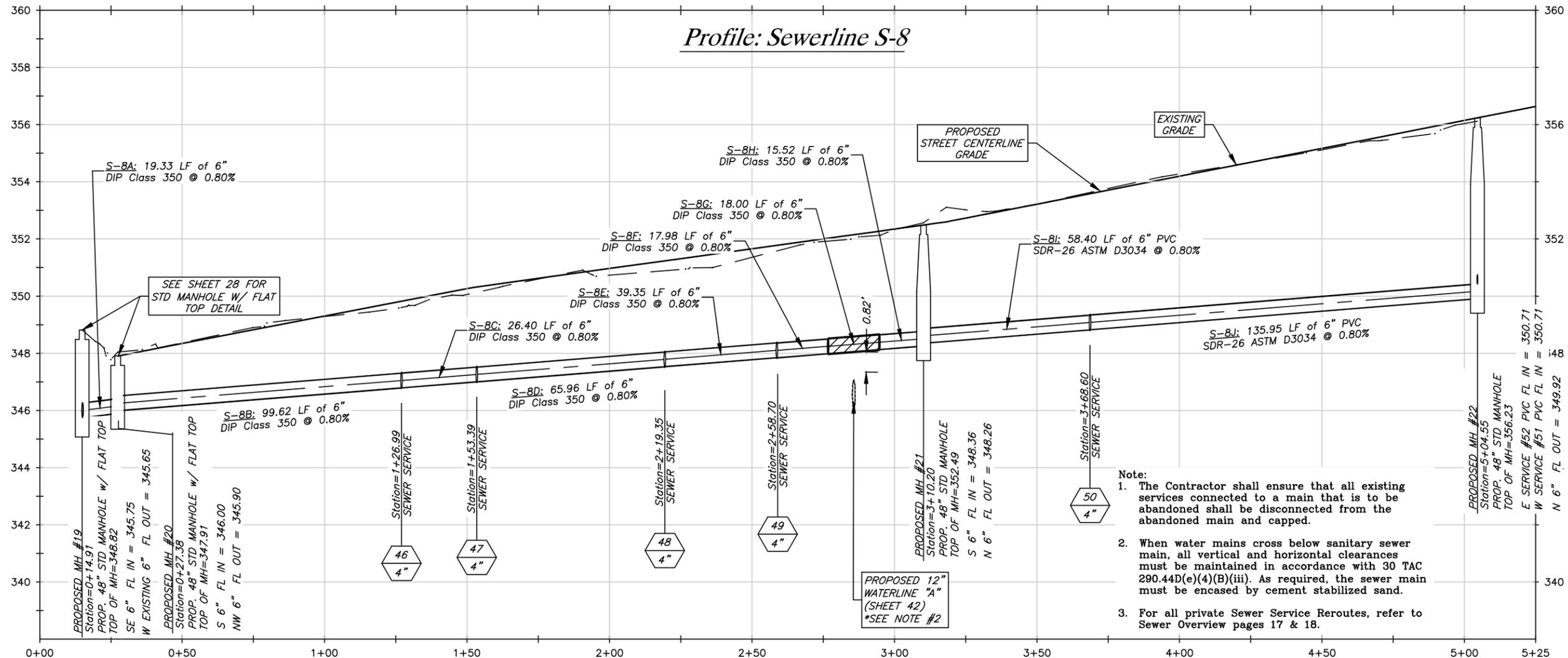
Plan: Sewerline S-8

Note:

1. No manholes or clean-outs are to be placed within the proposed sidewalks. Contractor to verify the location of all proposed sidewalks prior to installation of valves, meters, etc. and notify Engineer of any conflicts found. Failure to do so will result in relocation (at contractor's expense) of meters, valves, etc. prior to construction of sidewalks.
2. Contractor to contact BTU for help in stabilizing power poles prior to excavating near power poles.



Profile: Sewerline S-8



Note:

1. The Contractor shall ensure that all existing services connected to a main that is to be abandoned shall be disconnected from the abandoned main and capped.
2. When water mains cross below sanitary sewer main, all vertical and horizontal clearances must be maintained in accordance with 30 TAC 290.44D(e)(4)(B)(iii). As required, the sewer main must be encased by cement stabilized sand.
3. For all private Sewer Service Reroutes, refer to Sewer Overview pages 17 & 18.

Sewerline S-8 Plan & Profile

General Notes:

1. All construction shall be in accordance with the current BCS Standard Specifications, Details, and Design Guidelines for Water, Sewer, Streets, and Drainage, unless otherwise noted.
2. It is the intent of these plans to comply with all City of Bryan guidelines, details, and specifications.

J4E Project # 14-038

04/04/2016 West 26th Street Sewer.dwg

J4 Engineering

Owner Name and Address:



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PO Box 1000 - Bryan, Texas 77805

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Project Name and Address:

**West 26th Street
Rehabilitation**

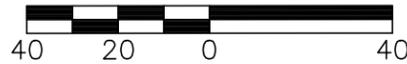
City of Bryan Project Number
332-411-425-611-DE-0915

Bryan, Brazos County, Texas

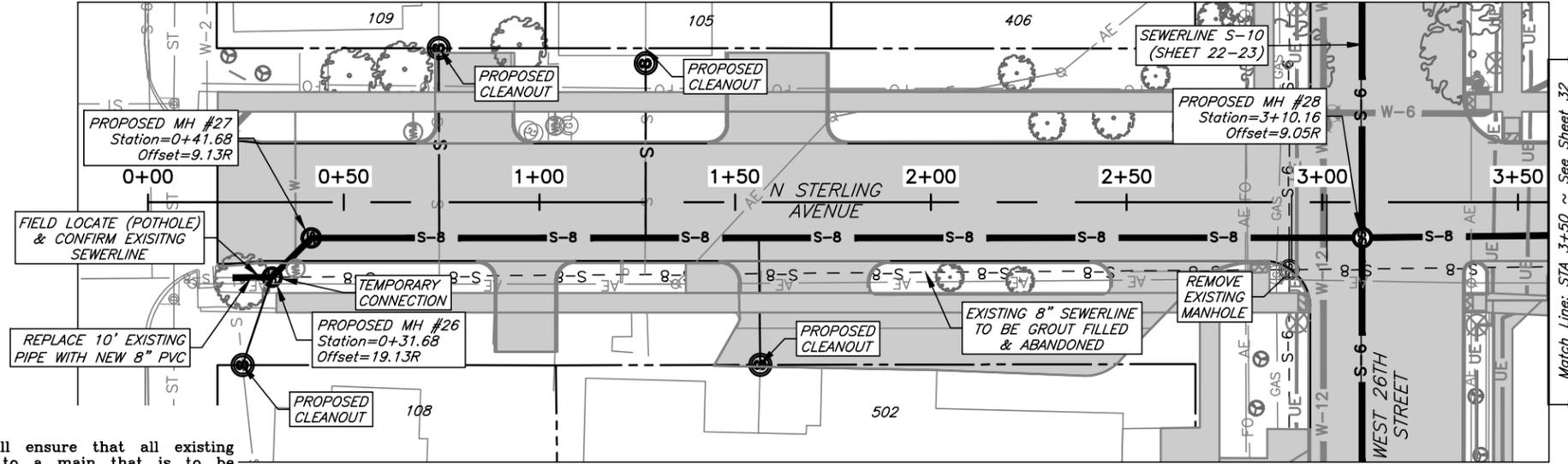
Date: Apr 2016

Scale: As Noted

Sheet: 30



Plan: Sewerline S-9



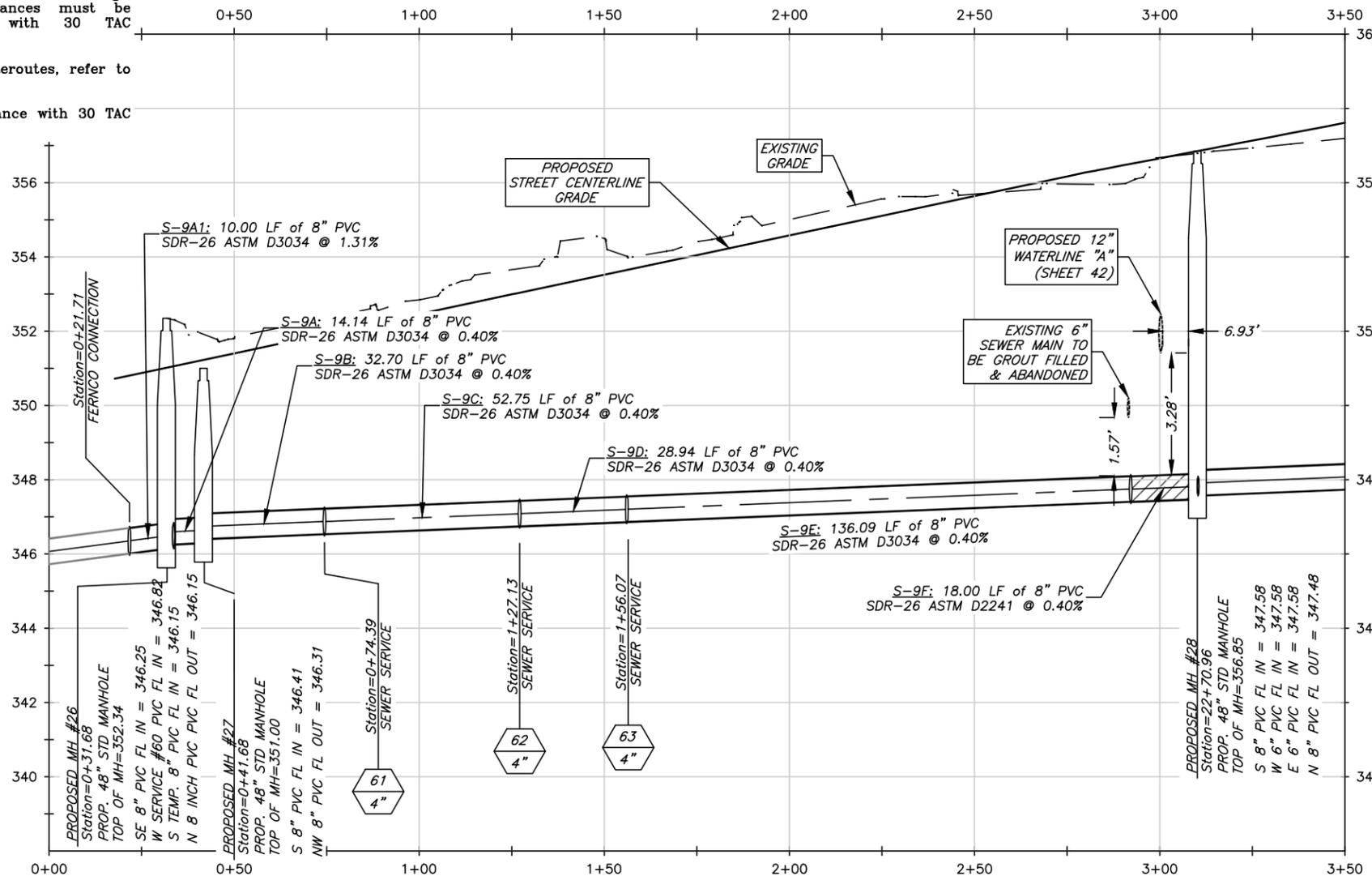
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2. Contractor to contact BTU for help in stabilizing power poles prior to excavating near power poles.

Note:

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2. For all water and sanitary sewer main crossings, vertical and horizontal clearances must be maintained, in accordance with 30 TAC 217.53.C(d)(3).
3. For all private Sewer Service Reroutes, refer to Sewer Overview pages 17 & 18.
4. Minimum grades are in accordance with 30 TAC 217.53C(1)(A).

Profile: Sewerline S-9



Sewerline S-9 Plan & Profile

General Notes:

1. All construction shall be in accordance with the current BCS Standard Specifications, Details, and Design Guidelines for Water, Sewer, Streets, and Drainage, unless otherwise noted.
2. It is the intent of these plans to comply with all City of Bryan guidelines, details, and specifications.
3. Contractor shall confirm all existing grades. Any discrepancies shall be reported to the Engineer.

Owner Name and Address:



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PO Box 1000 - Bryan, Texas 77805

Firm Name and Address:



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Project Name and Address:

**West 26th Street
Rehabilitation**

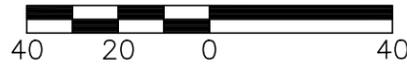
City of Bryan Project Number
332-411-425-611-DE-0915

Bryan, Brazos County, Texas

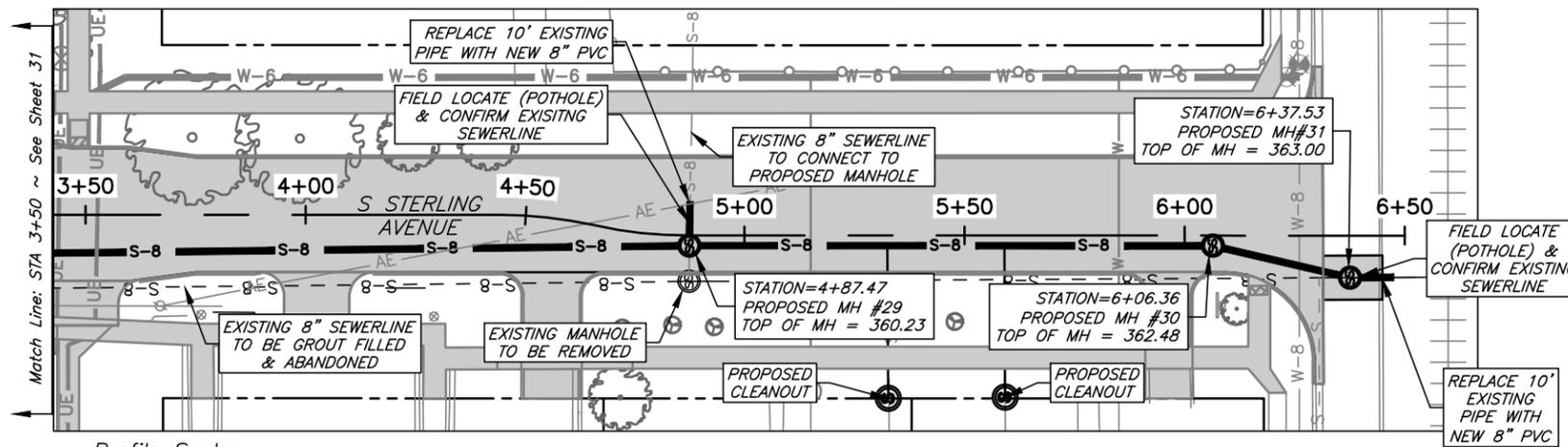
Date: Apr 2016

Scale: As Noted

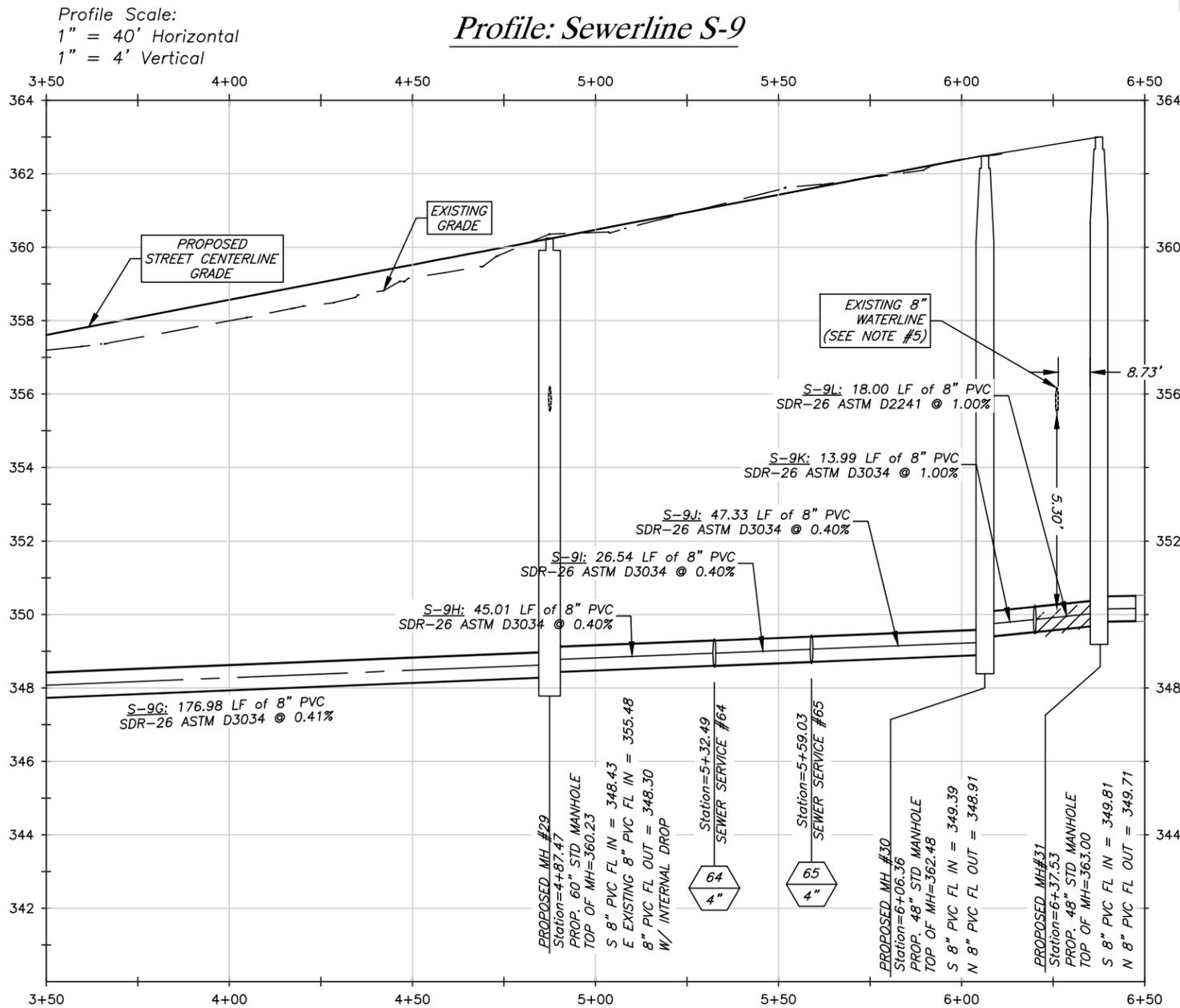
Sheet: 31



Plan: Sewerline S-9



Profile: Sewerline S-9



Note:

1. No manholes or clean-outs are to be placed within the proposed sidewalks. Contractor to verify the location of all proposed sidewalks prior to installation of valves, meters, etc. and notify Engineer of any conflicts found. Failure to do so will result in relocation (at contractor's expense) of meters, valves, etc. prior to construction of sidewalks.
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2. For all water and sanitary sewer main crossings, vertical and horizontal clearances must be maintained, in accordance with 30 TAC 217.53.C(d)(3).
3. For all private Sewer Service Reroutes, refer to Sewer Overview pages 17 & 18.
4. Minimum grades are in accordance with 30 TAC 217.53C(1)(A).
5. 6" Waterline and Manhole separation is in accordance with, 30 TAC 217.53(d)(4)(B)

Sewerline S-9 Plan & Profile

General Notes:

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Project Name and Address:

**West 26th Street
Rehabilitation**

City of Bryan Project Number
332-411-425-611-DE-0915

Bryan, Brazos County, Texas

Date: Apr 2016

Scale: As Noted

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Plan: Sewerline S-11

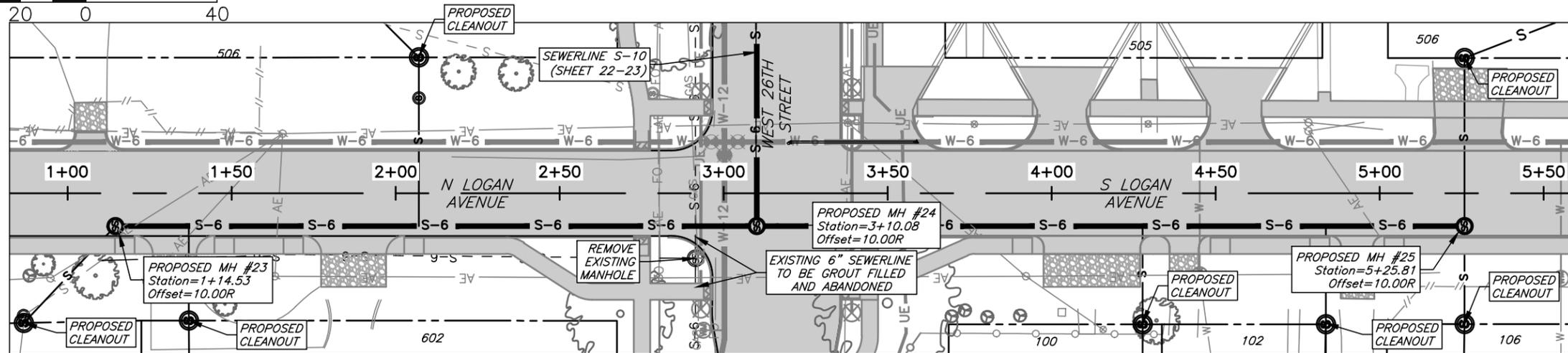
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Sewerline S-11 Plan & Profile

General Notes:

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2. It is the intent of these plans to comply with all City of Bryan guidelines, details, and specifications.

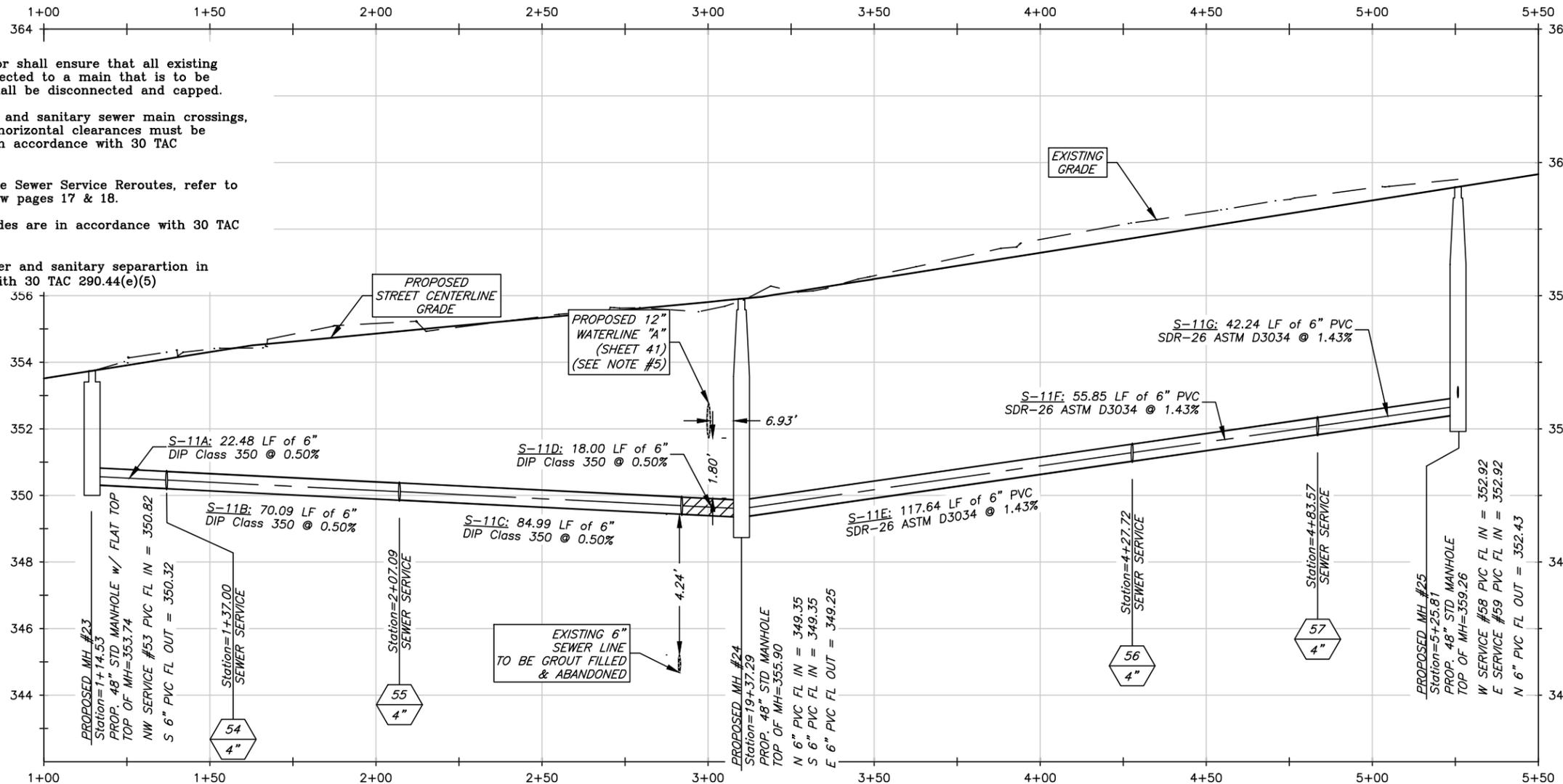


Profile Scale:
 1" = 40' Horizontal
 1" = 4' Vertical

Profile: Sewerline S-11

Note:

1. The Contractor shall ensure that all existing services connected to a main that is to be abandoned shall be disconnected and capped.
2. For all water and sanitary sewer main crossings, vertical and horizontal clearances must be maintained, in accordance with 30 TAC 217.53.C(d)(3).
3. For all private Sewer Service Reroutes, refer to Sewer Overview pages 17 & 18.
4. Minimum grades are in accordance with 30 TAC 217.53C(1)(A).
5. Minimum water and sanitary separation in accordance with 30 TAC 290.44(e)(5)



J4E Project # 14-038

04/04/2016 West 26th Street Sewer.dwg

J4 Engineering

Owner Name and Address:

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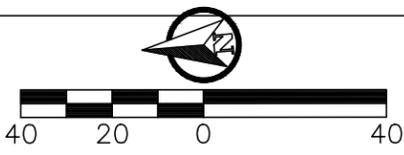
Project Name and Address:

**West 26th Street
 Rehabilitation**

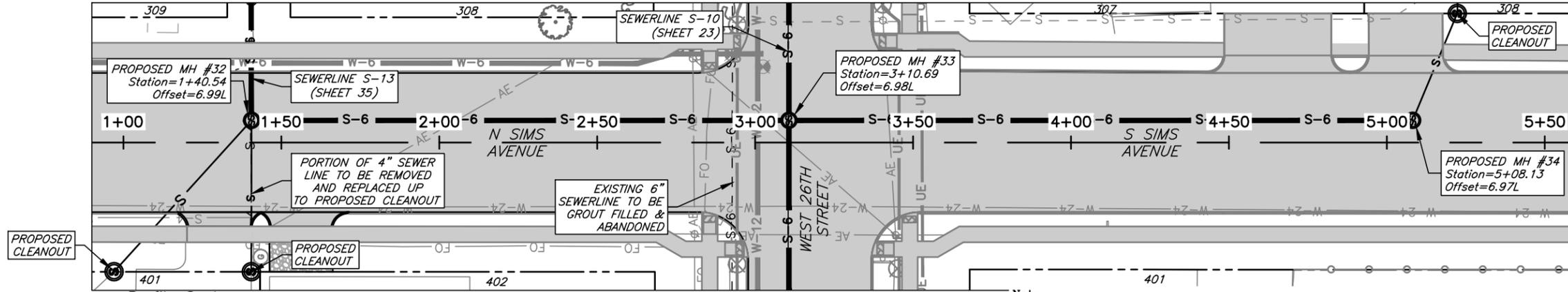
City of Bryan Project Number
 332-411-425-611-DE-0915

Bryan, Brazos County, Texas

Date: Apr 2016
 Scale: As Noted
 Sheet: 33

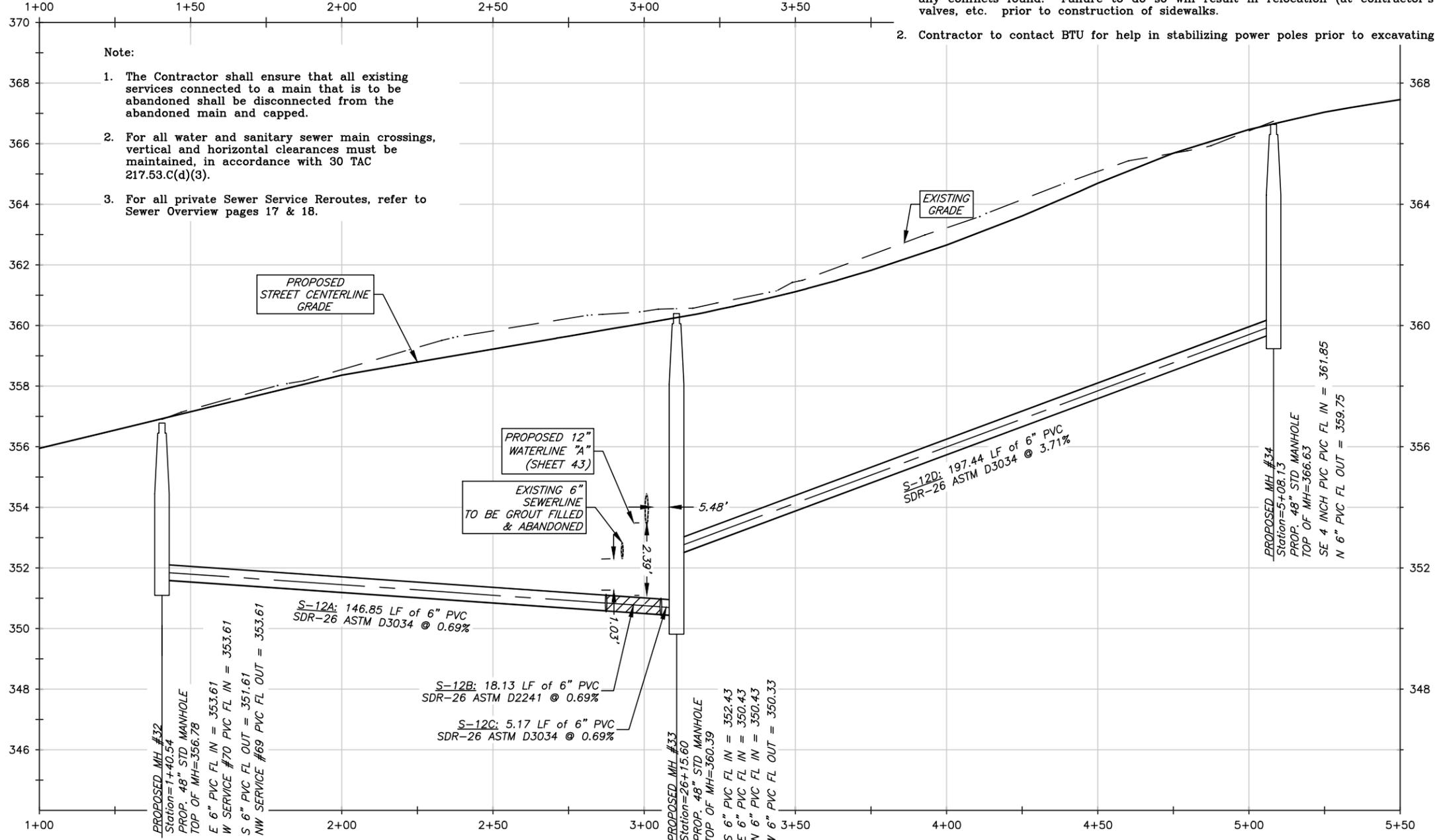


Plan: Sewerline S-12



Profile Scale:
 1" = 40' Horizontal
 1" = 4' Vertical

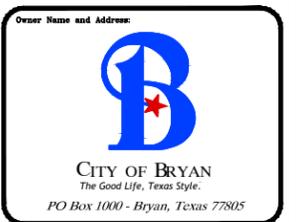
Profile: Sewerline S-12



- Note:**
- No manholes or clean-outs are to be placed within the proposed sidewalks. Contractor to verify the location of all proposed sidewalks prior to installation of valves, meters, etc. and notify Engineer of any conflicts found. Failure to do so will result in relocation (at contractor's expense) of meters, valves, etc. prior to construction of sidewalks.
 - Contractor to contact BTU for help in stabilizing power poles prior to excavating near power poles.

**Sewerline S-12
 Plan & Profile**

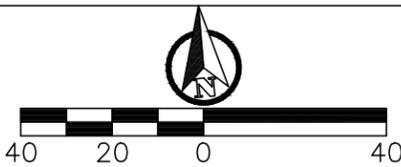
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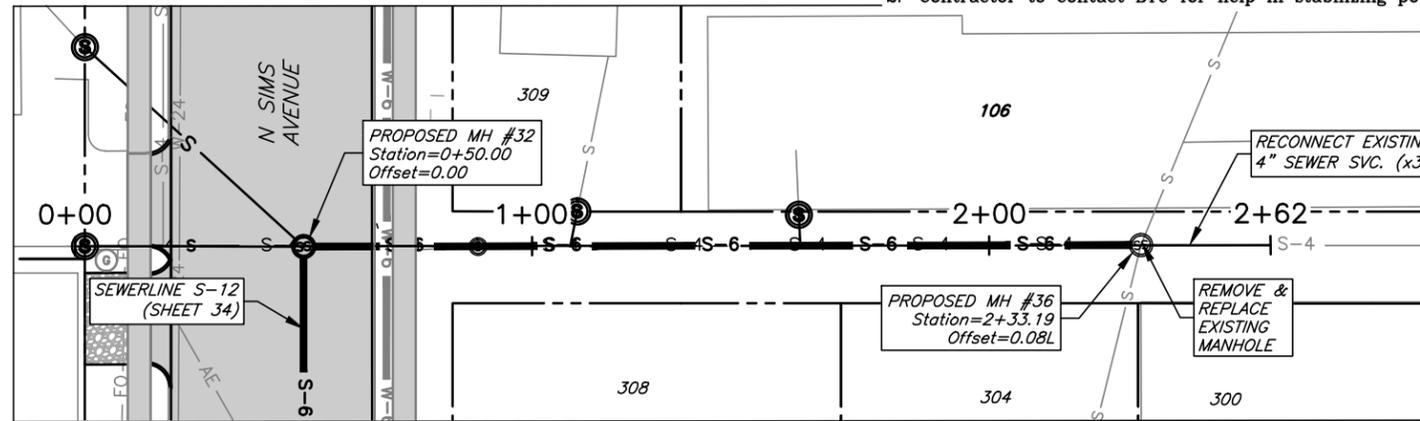
Project Name and Address:
 West 26th Street
 Rehabilitation
 City of Bryan Project Number
 332-411-425-611-DE-0915
 Bryan, Brazos County, Texas

Date: Apr 2016
Scale: As Noted
Sheet: 34

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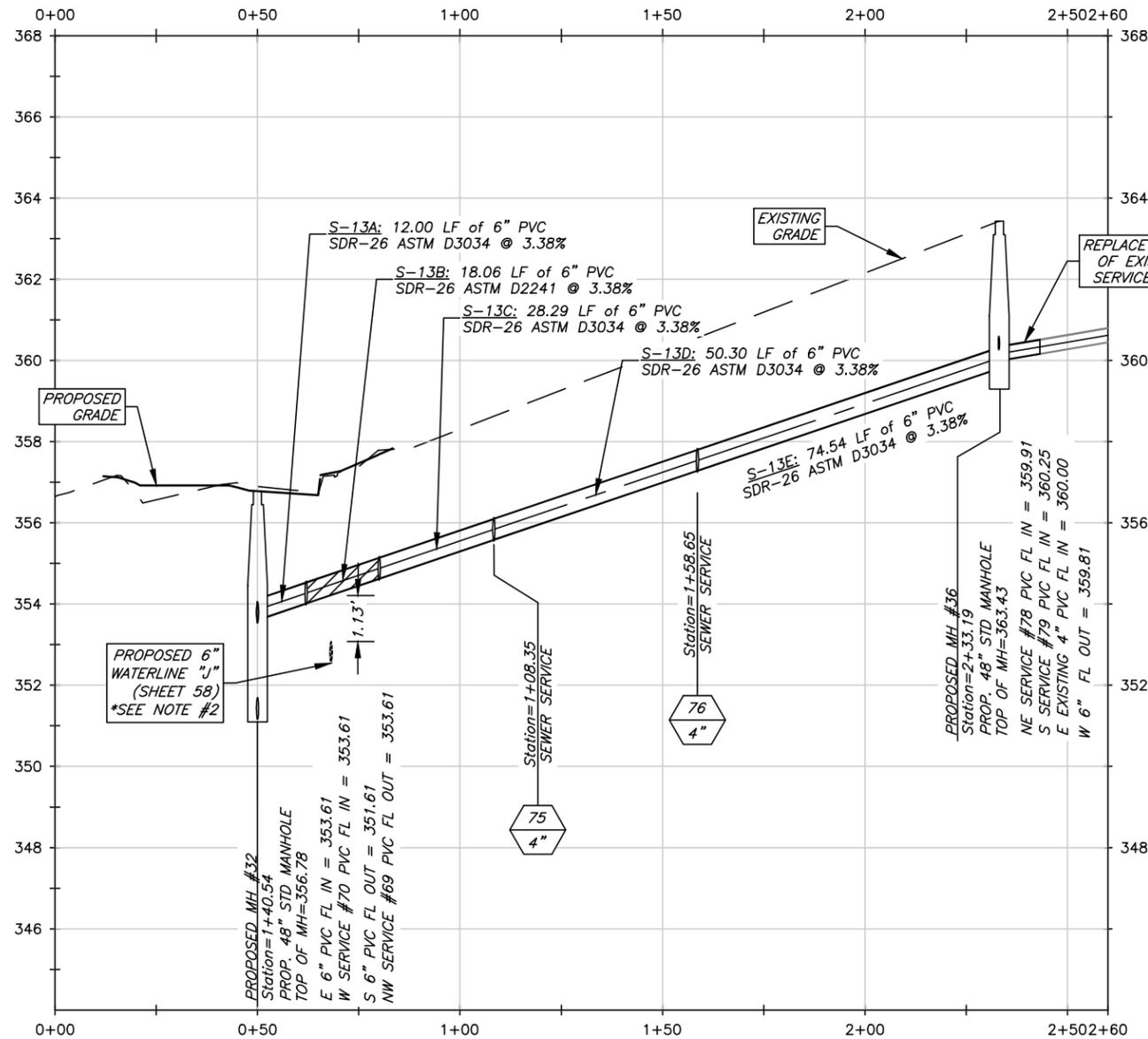


Plan: Sewerline S-13



Profile: Sewerline S-13

Profile Scale:
 1" = 40' Horizontal
 1" = 4' Vertical



Note:

- No manholes or clean-outs are to be placed within the proposed sidewalks. Contractor to verify the location of all proposed sidewalks prior to installation of valves, meters, etc. and notify Engineer of any conflicts found. Failure to do so will result in relocation (at contractor's expense) of meters, valves, etc. prior to construction of sidewalks.
- Contractor to contact BTU for help in stabilizing power poles prior to excavating near power poles.

Note:

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- When water mains cross below sanitary sewer main, all vertical and horizontal clearances must be maintained in accordance with 30 TAC 290.44D(e)(4)(B)(iii). As required, the sewer main must be encased by cement stabilized sand.
- For all private Sewer Service Reroutes, refer to Sewer Overview pages 17 & 18.

**Sewerline S-13
 Plan & Profile**

General Notes:

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- Contractor shall confirm all existing grades. Any discrepancies shall be reported to the Engineer.

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Project Name and Address:

**West 26th Street
 Rehabilitation**

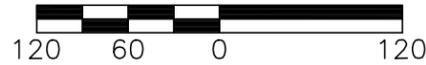
City of Bryan Project Number
 332-411-425-611-DE-0915

Bryan, Brazos County, Texas

Date: Apr 2016

Scale: As Noted

Sheet: 35

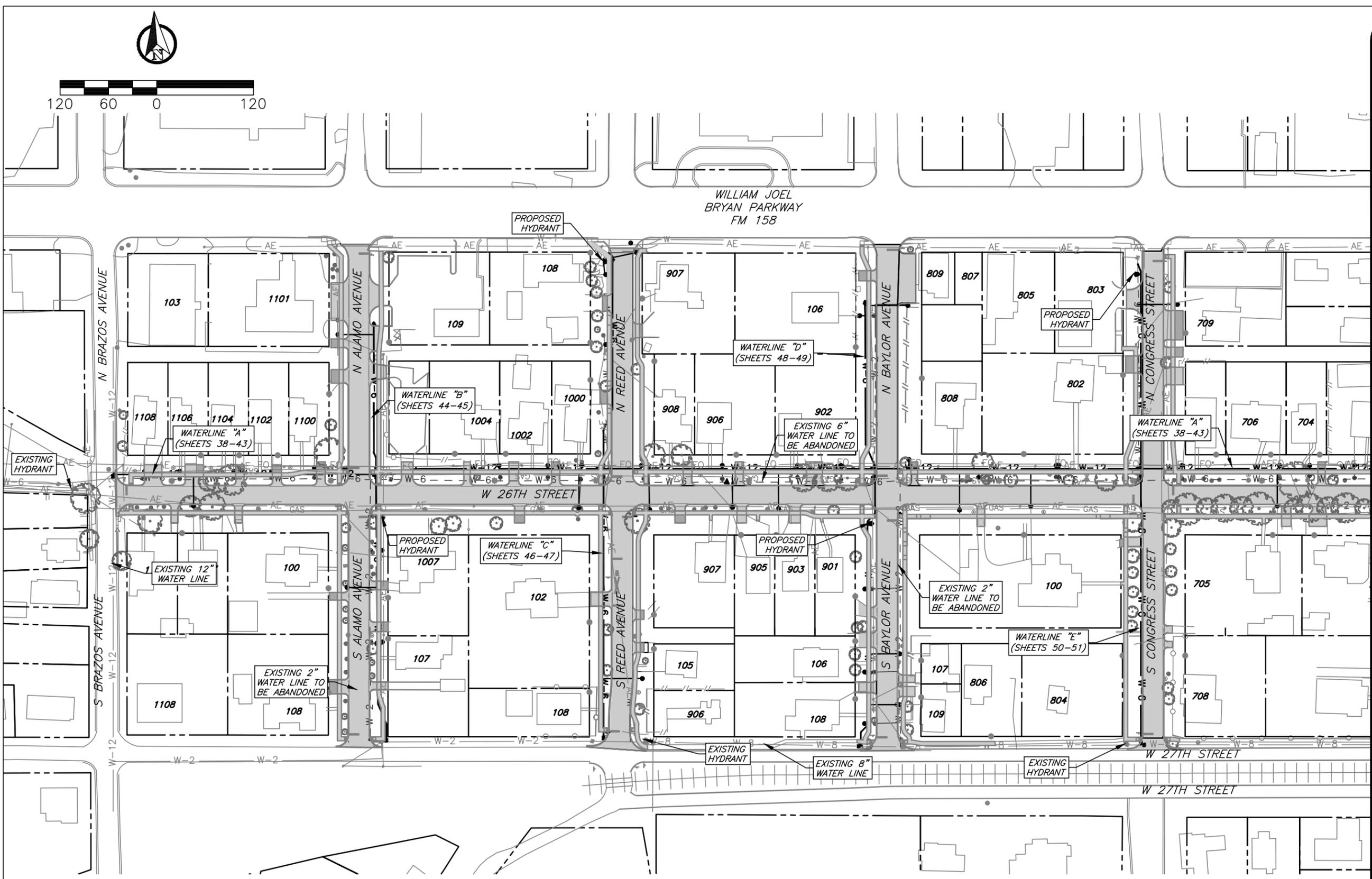


Waterline Overview 1

General Notes:

1. All construction shall be in accordance with the current BCS Standard Specifications, Details, and Design Guidelines for Water, Sewer, Streets, and Drainage, unless otherwise noted.
2. It is the intent of these plans to comply with all City of Bryan guidelines, details, and specifications.
3. See General Notes - 3 & 4.

J4E Project # 14-038
 04/04/2016 West 26th Street Water.dwg
 J4 Engineering



Legend:
 ---W-6---W-6--- Proposed Abandon Water Line (size noted)

*All Proposed Abandon Water Lines, as shown above, shall be abandoned and grout filled unless otherwise stated. Disconnect line from the Water Main, Cap & Grout Fill per City of Bryan Specifications.

Note:

1. No valves, meters, fire hydrants, or blow-off assemblies are to be placed within the proposed sidewalks. Contractor to verify the location of all proposed sidewalks prior to installation of valves, meters, etc. and notify Engineer of any conflicts found. Failure to do so will result in relocation (at contractor's expense) of meters, valves, etc. prior to construction of sidewalks.
2. Contractor to contact BTU for help in stabilizing power poles prior to excavating near power poles.

Owner Name and Address:

 CITY OF BRYAN
 The Good Life, Texas Style.
 PO Box 1000 - Bryan, Texas 77805

Firm Name and Address:

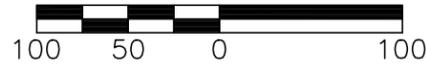
 J4 Engineering
 PO Box 5192 - Bryan, Texas - 77805
 979-739-4567 www.J4Engineering.com
 Firm# 9951

Seal:

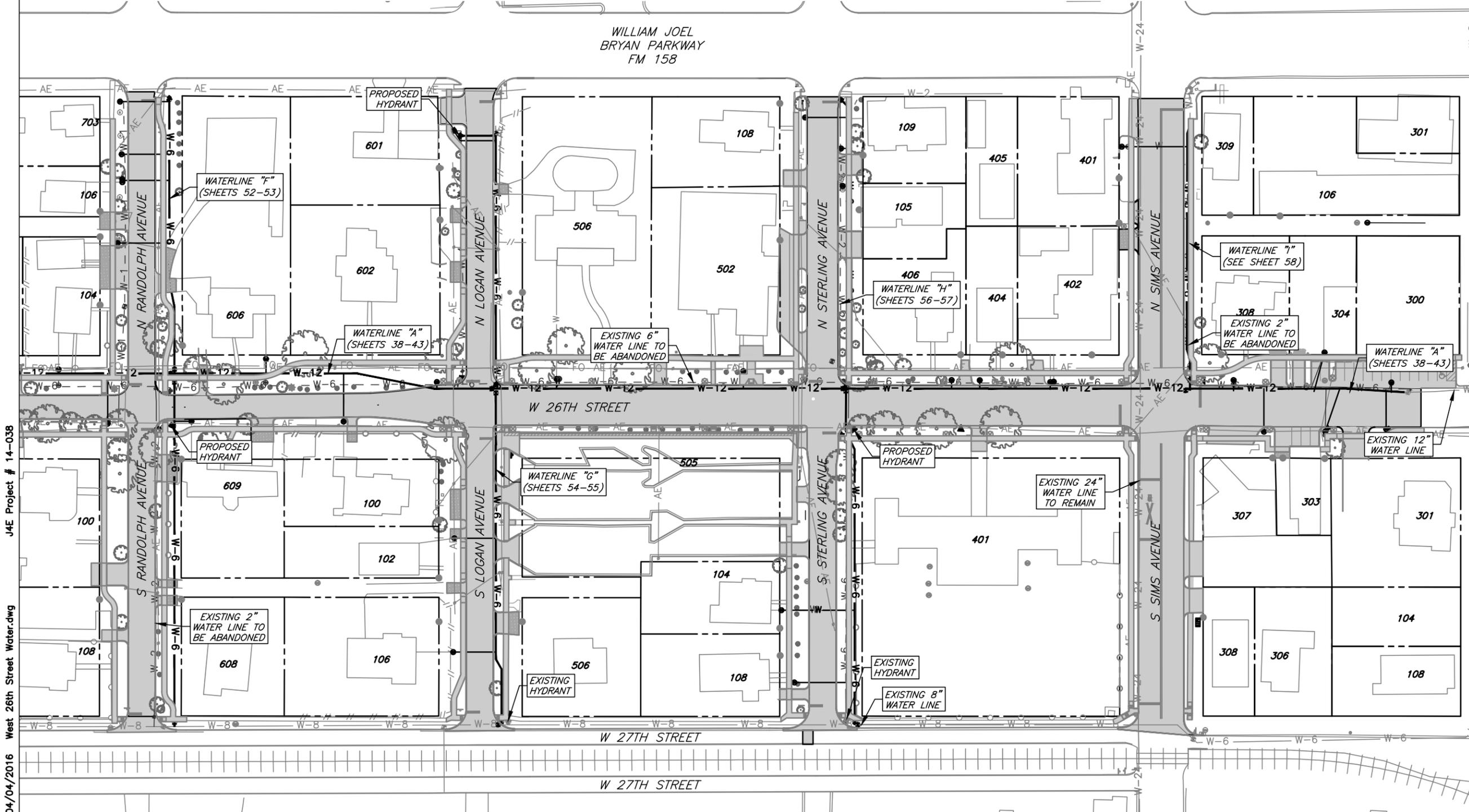
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Project Name and Address:
 West 26th Street Rehabilitation
 City of Bryan Project Number
 332-411-425-611-DE-0915
 Bryan, Brazos County, Texas

Date: Feb 2016
 Scale: As Noted
 Sheet: 36



WILLIAM JOEL
BRYAN PARKWAY
FM 158



Waterline Overview

General Notes:

1. All construction shall be in accordance with the current BCS Standard Specifications, Details, and Design Guidelines for Water, Sewer, Streets, and Drainage, unless otherwise noted.
2. It is the intent of these plans to comply with all City of Bryan guidelines, details, and specifications.

Owner Name and Address:



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The Good Life, Texas Style.
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Firm Name and Address:



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Project Name and Address:

West 26th Street Rehabilitation
City of Bryan Project Number
332-411-425-611-DE-0915
Bryan, Brazos County, Texas

Date: Feb 2016
Scale: As Noted
Sheet: 37

Note:

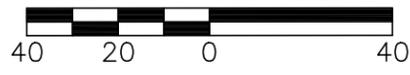
1. No valves, meters, fire hydrants, or blow-off assemblies are to be placed within the proposed sidewalks. Contractor to verify the location of all proposed sidewalks prior to installation of valves, meters, etc. and notify Engineer of any conflicts found. Failure to do so will result in relocation (at contractor's expense) of meters, valves, etc. prior to construction of sidewalks.
2. Contractor to contact BTU for help in stabilizing power poles prior to excavating near power poles.

J4E Project # 14-038

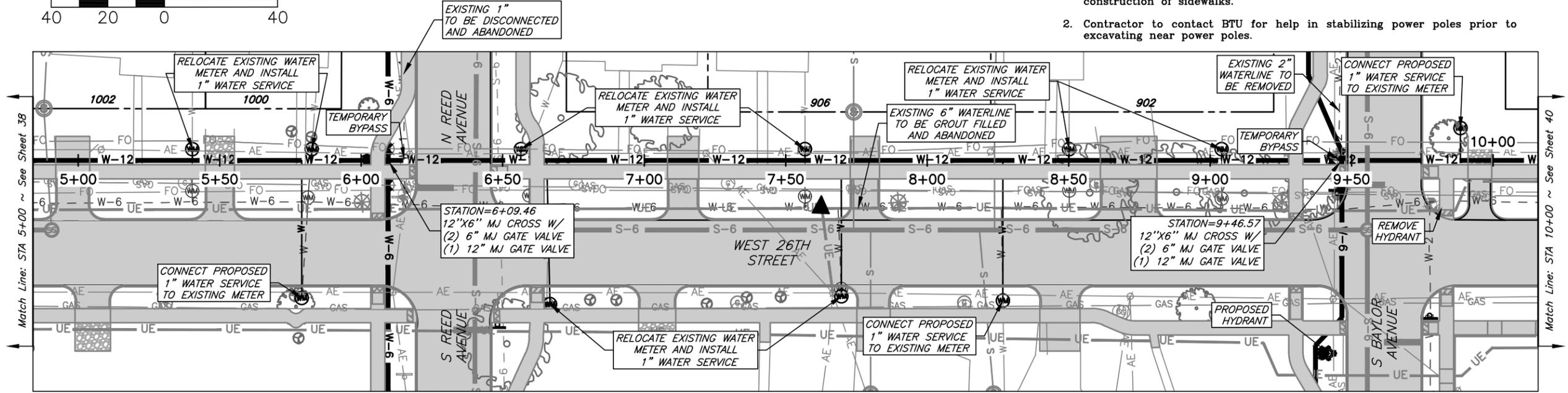
West 26th Street Water.dwg

04/04/2016

J4 Engineering



Plan: Waterline "A"



Note:

- No valves, meters, fire hydrants, or blow-off assemblies are to be placed within the proposed sidewalks. Contractor to verify the location of all proposed sidewalks prior to installation of valves, meters, etc. and notify Engineer of any conflicts found. Failure to do so will result in relocation (at contractor's expense) of meters, valves, etc. prior to construction of sidewalks.
- Contractor to contact BTU for help in stabilizing power poles prior to excavating near power poles.

Waterline "A" Plan & Profile.

General Notes:

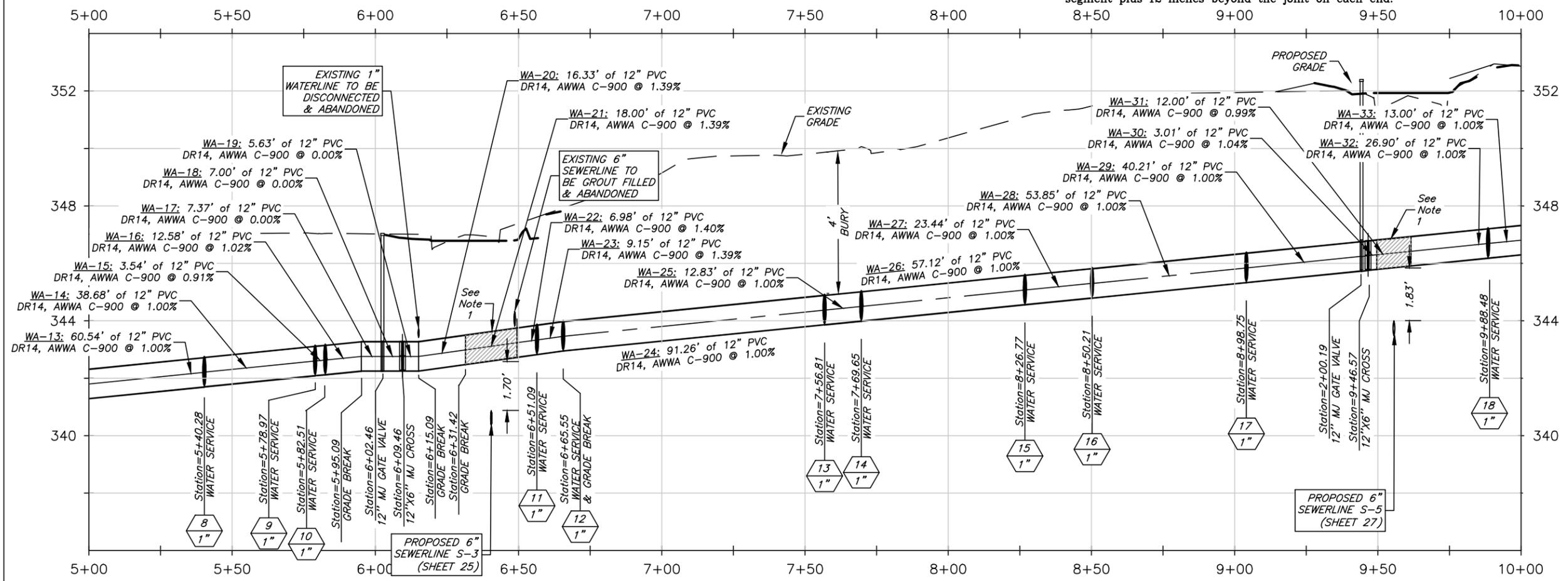
- All construction shall be in accordance with the current BCS Standard Specifications, Details, and Design Guidelines for Water, Sewer, Streets, and Drainage, unless otherwise noted.
- It is the intent of these plans to comply with all City of Bryan guidelines, details, and specifications.
- See General Notes - 3 & 4.

Profile: Waterline "A"

Profile Scale:
1" = 40' Horizontal
1" = 4' Vertical

NOTE:

- In accordance with TCEQ §290.44(e)(4)(B)(iv), one segment of the waterline pipe shall be centered over the sanitary sewerline such that the joints of the waterline pipe are equidistant and at least nine feet horizontally from the centerline of the sanitary sewerline. The sanitary sewerline shall have a minimum pressure class of 150 psi. The sanitary sewerline shall be embedded in cement-stabilized sand for the total length of one pipe segment plus 12 inches beyond the joint on each end.



J4E Project # 14-038
04/04/2016 West 26th Street Water.dwg
J4 Engineering

Owner Name and Address:



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Firm Name and Address:



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PO Box 5192 - Bryan, Texas - 77805
979-739-0567 www.J4Engineering.com
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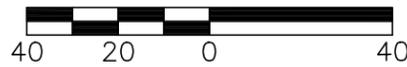


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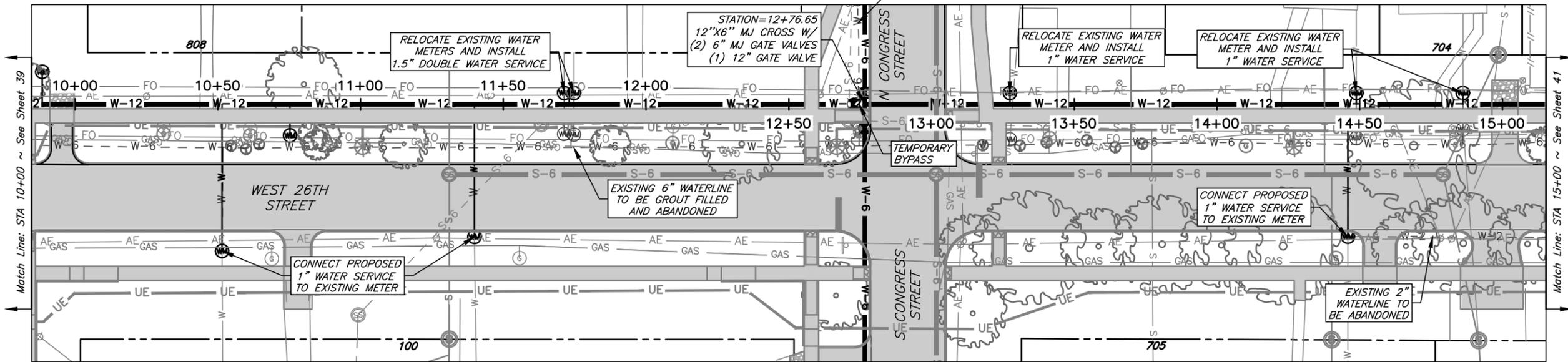
Project Name and Address:

West 26th Street Rehabilitation
City of Bryan Project Number
332-411-425-611-DE-0915
Bryan, Brazos County, Texas

Date: Feb 2016
Scale: As Noted
Sheet: 39



Plan: Waterline "A"



Note:

- No valves, meters, fire hydrants, or blow-off assemblies are to be placed within the proposed sidewalks. Contractor to verify the location of all proposed sidewalks prior to installation of valves, meters, etc. and notify Engineer of any conflicts found. Failure to do so will result in relocation (at contractor's expense) of meters, valves, etc. prior to construction of sidewalks.
- Contractor to contact BTU for help in stabilizing power poles prior to excavating near power poles.

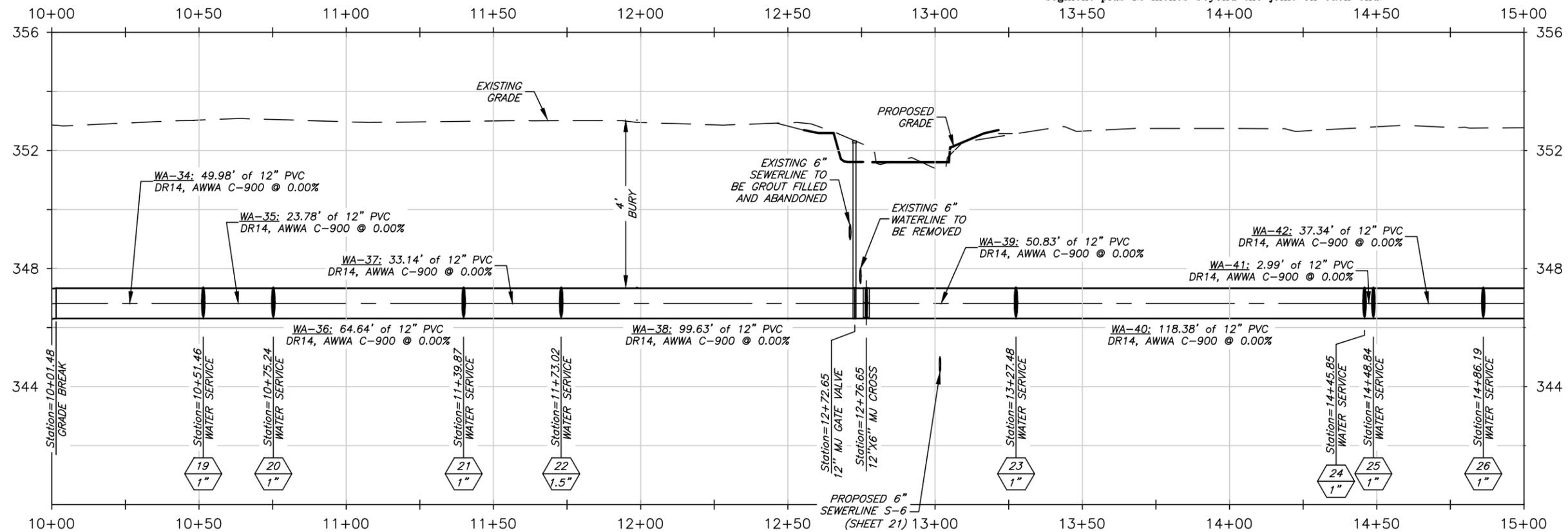
Waterline "A" Plan & Profile.

General Notes:

- All construction shall be in accordance with the current BCS Standard Specifications, Details, and Design Guidelines for Water, Sewer, Streets, and Drainage, unless otherwise noted.
- It is the intent of these plans to comply with all City of Bryan guidelines, details, and specifications.
- General Notes - pages 3 & 4

Profile: Waterline "A"

Profile Scale:
1" = 40' Horizontal
1" = 4' Vertical



NOTE:

- In accordance with TCEQ §290.44(e)(4)(B)(iv), one segment of the waterline pipe shall be centered over the sanitary sewerline such that the joints of the waterline pipe are equidistant and at least nine feet horizontally from the centerline of the sanitary sewerline, and the waterline shall be at least six inches above the sanitary sewerline. The sanitary sewerline shall have a minimum pressure class of 150 psi. The sanitary sewerline segment plus 12 inches beyond the joint on each end.

J4 Engineering 04/04/2016 West 26th Street Water.dwg J4E Project # 14-038

Owner Name and Address:



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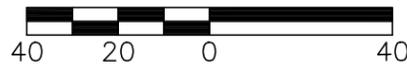


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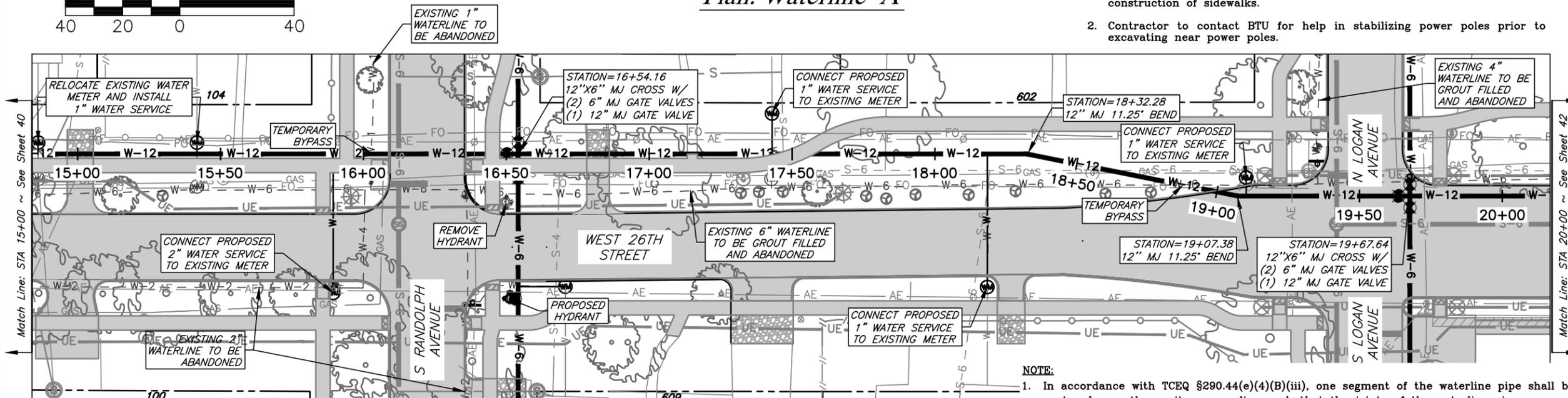
Project Name and Address:

West 26th Street Rehabilitation
City of Bryan Project Number
332-411-425-611-DE-0915
Bryan, Brazos County, Texas

Date: Feb 2016
Scale: As Noted
Sheet: 40



Plan: Waterline "A"



Note:

- No valves, meters, fire hydrants, or blow-off assemblies are to be placed within the proposed sidewalks. Contractor to verify the location of all proposed sidewalks prior to installation of valves, meters, etc. and notify Engineer of any conflicts found. Failure to do so will result in relocation (at contractor's expense) of meters, valves, etc. prior to construction of sidewalks.
- Contractor to contact BTU for help in stabilizing power poles prior to excavating near power poles.

Waterline "A" Plan & Profile.

General Notes:

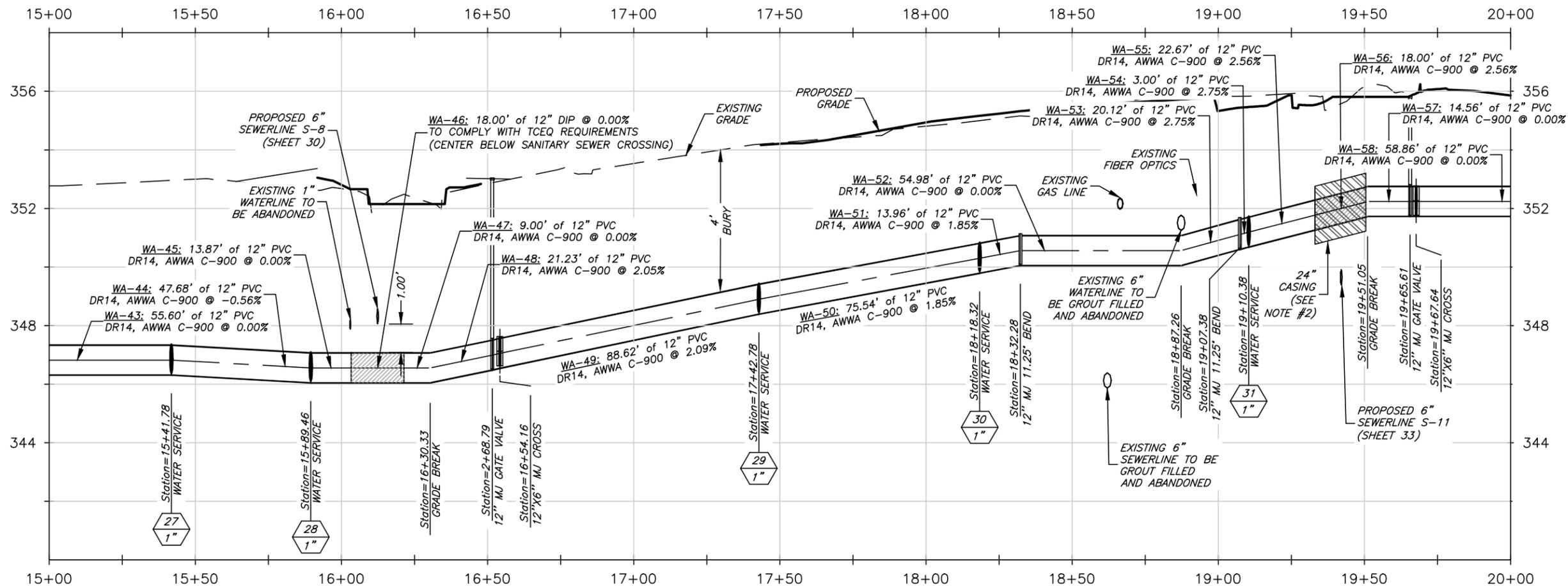
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- It is the intent of these plans to comply with all City of Bryan guidelines, details, and specifications.
- General Notes - pages 3 & 4

NOTE:

- In accordance with TCEQ §290.44(e)(4)(B)(iii), one segment of the waterline pipe shall be centered over the sanitary sewerline such that the joints of the waterline pipe are equidistant and at least nine feet horizontally from the centerline of the sanitary sewerline. The sanitary sewerline shall have a minimum pressure class of 150 psi. The sanitary sewerline shall be embedded in cement-stabilized sand for the total length of one pipe segment plus 12 inches beyond the joint on each end.
- Water line separation from sanitary manhole is in accordance with 30 TAC 290.44(e)(5). Casing spacers with end caps required.

Profile: Waterline "A"

Profile Scale:
1" = 40' Horizontal
1" = 4' Vertical



J4E Project # 14-038
04/04/2016 West 26th Street Water.dwg
J4 Engineering

Owner Name and Address:

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PO Box 5192 - Bryan, Texas - 77805
979-739-0567 www.J4Engineering.com
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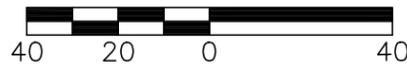
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Project Name and Address:

West 26th Street Rehabilitation
City of Bryan Project Number
332-411-425-611-DE-0915
Bryan, Brazos County, Texas

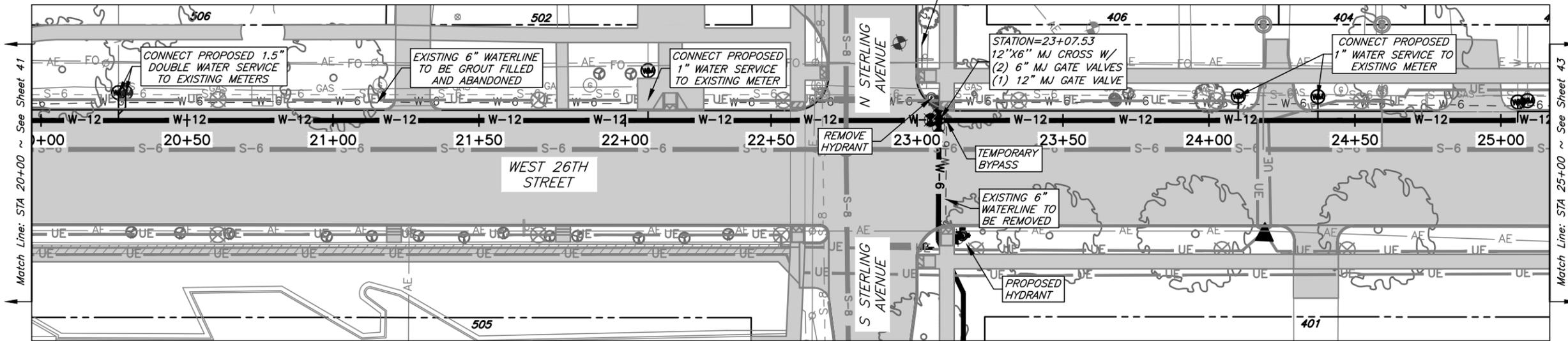
Date: Feb 2016
Scale: As Noted
Sheet: 41



Plan: Waterline "A"

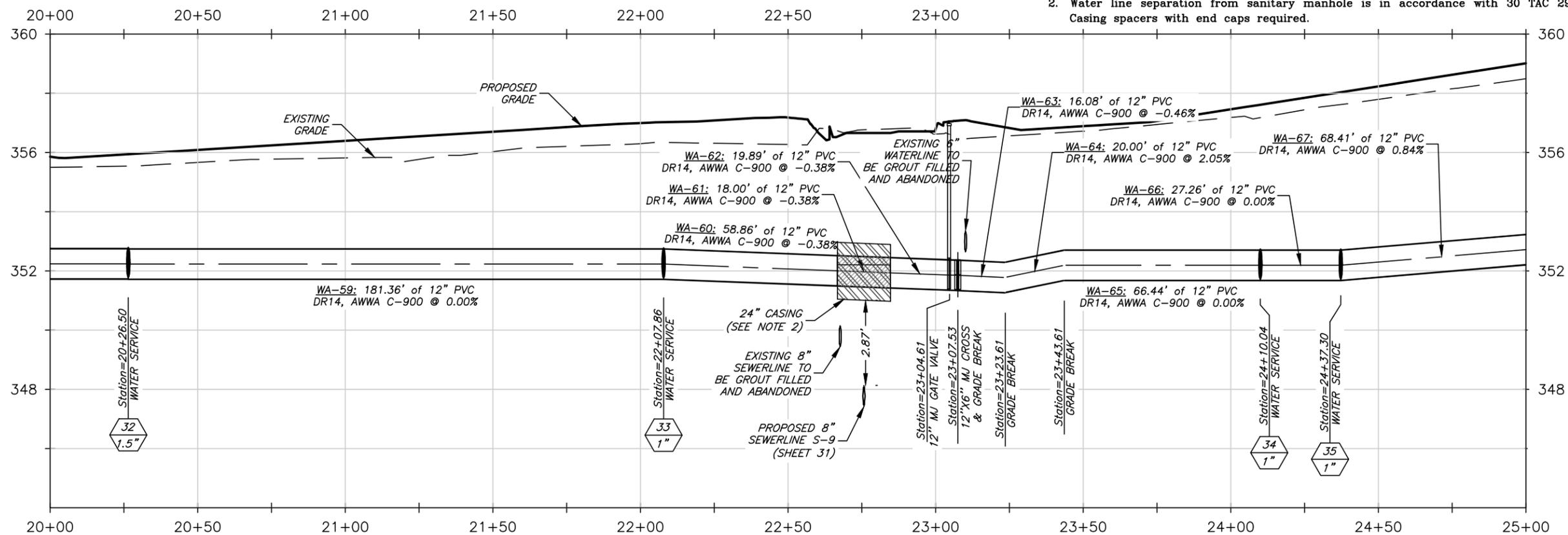
Note:

- No valves, meters, fire hydrants, or blow-off assemblies are to be placed within the proposed sidewalks. Contractor to verify the location of all proposed sidewalks prior to installation of valves, meters, etc. and notify Engineer of any conflicts found. Failure to do so will result in relocation (at contractor's expense) of meters, valves, etc. prior to construction of sidewalks.
- Contractor to contact BTU for help in stabilizing power poles prior to excavating near power poles.



Profile: Waterline "A"

Profile Scale:
 1" = 40' Horizontal
 1" = 4' Vertical



NOTE:

- In accordance with TCEQ §290.44(e)(4)(B)(iv), one segment of the waterline pipe shall be centered over the sanitary sewerline such that the joints of the waterline pipe are equidistant and at least nine feet horizontally from the centerline of the sanitary sewerline, and the waterline shall be at least six inches above the sanitary sewerline. The sanitary sewerline shall have a minimum pressure class of 150 psi. The sanitary sewerline shall be embedded in cement-stabilized sand for the total length of one pipe segment plus 12 inches beyond the joint on each end.
- Water line separation from sanitary manhole is in accordance with 30 TAC 290.44(e)(5). Casing spacers with end caps required.

Waterline "A"

Plan & Profile.

General Notes:

- All construction shall be in accordance with the current BCS Standard Specifications, Details, and Design Guidelines for Water, Sewer, Streets, and Drainage, unless otherwise noted.
- It is the intent of these plans to comply with all City of Bryan guidelines, details, and specifications.

Order Name and Address:

CITY OF BRYAN
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 PO Box 1000 - Bryan, Texas 77805

Firm Name and Address:

J4 Engineering
 PO Box 5192 - Bryan, Texas - 77805
 979-739-0567 www.J4Engineering.com
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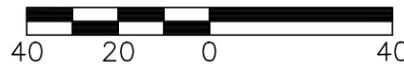
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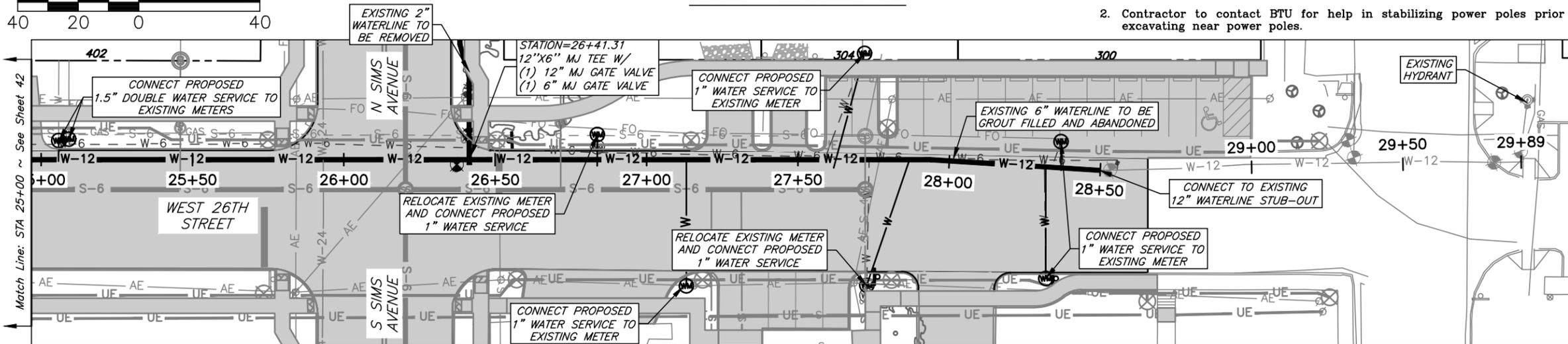
Project Name and Address:

West 26th Street Rehabilitation
 City of Bryan Project Number 332-411-425-611-DE-0915
 Bryan, Brazos County, Texas

Date: Feb 2016
 Scale: As Noted
 Sheet: 42

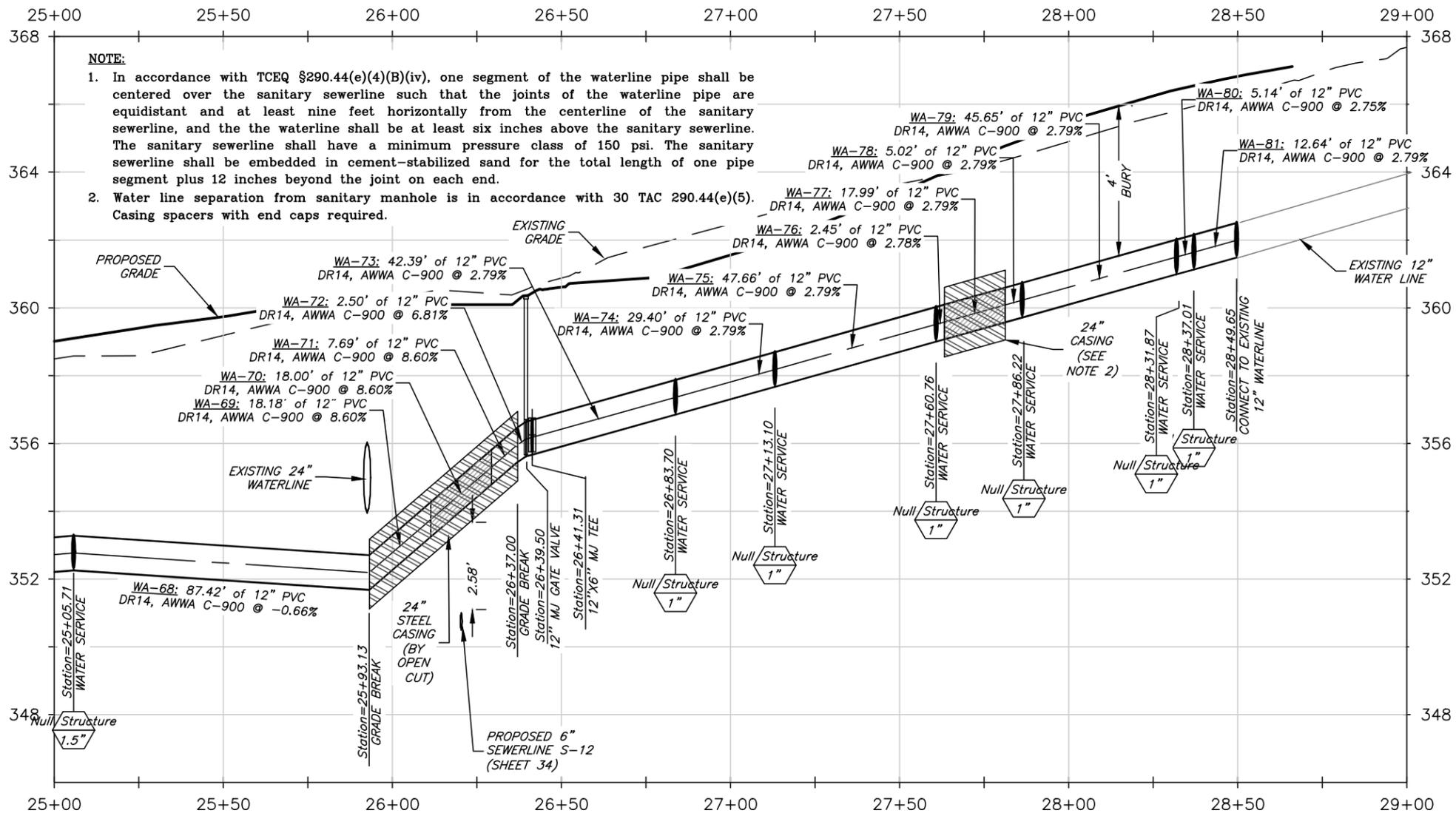


Plan: Waterline "A"



Profile Scale:
1" = 40' Horizontal
1" = 4' Vertical

Profile: Waterline "A"



NOTE:

- In accordance with TCEQ §290.44(e)(4)(B)(iv), one segment of the waterline pipe shall be centered over the sanitary sewerline such that the joints of the waterline pipe are equidistant and at least nine feet horizontally from the centerline of the sanitary sewerline, and the waterline shall be at least six inches above the sanitary sewerline. The sanitary sewerline shall have a minimum pressure class of 150 psi. The sanitary sewerline shall be embedded in cement-stabilized sand for the total length of one pipe segment plus 12 inches beyond the joint on each end.
- Water line separation from sanitary manhole is in accordance with 30 TAC 290.44(e)(5). Casing spacers with end caps required.

Note:

- No valves, meters, fire hydrants, or blow-off assemblies are to be placed within the proposed sidewalks. Contractor to verify the location of all proposed sidewalks prior to installation of valves, meters, etc. and notify Engineer of any conflicts found. Failure to do so will result in relocation (at contractor's expense) of meters, valves, etc. prior to construction of sidewalks.
- Contractor to contact BTU for help in stabilizing power poles prior to excavating near power poles.

Waterline "A" Plan & Profile.

General Notes:

- All construction shall be in accordance with the current BCS Standard Specifications, Details, and Design Guidelines for Water, Sewer, Streets, and Drainage, unless otherwise noted.
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- See General Notes - pages 3 & 4

Owner Name and Address:



CITY OF BRYAN
The Good Life, Texas Style.
PO Box 1000 - Bryan, Texas 77805

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PO Box 5192 - Bryan, Texas - 77805
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Firm# 9951

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Project Name and Address:

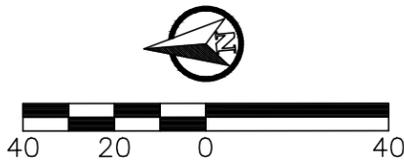
**West 26th Street
Rehabilitation**

City of Bryan Project Number
332-411-425-611-DE-0915

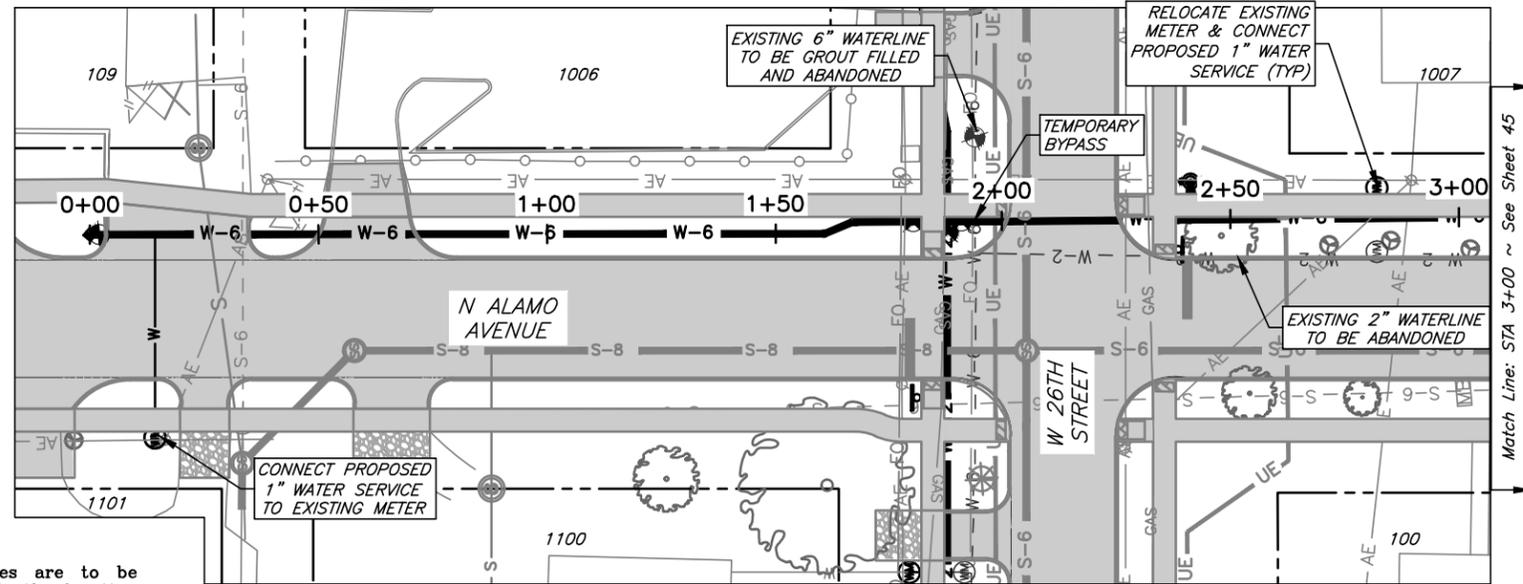
Bryan, Brazos County, Texas

Date: Feb 2016
Scale: As Noted
Sheet: 43

J4 Engineering 04/04/2016 West 26th Street Water.dwg J4E Project # 14-038

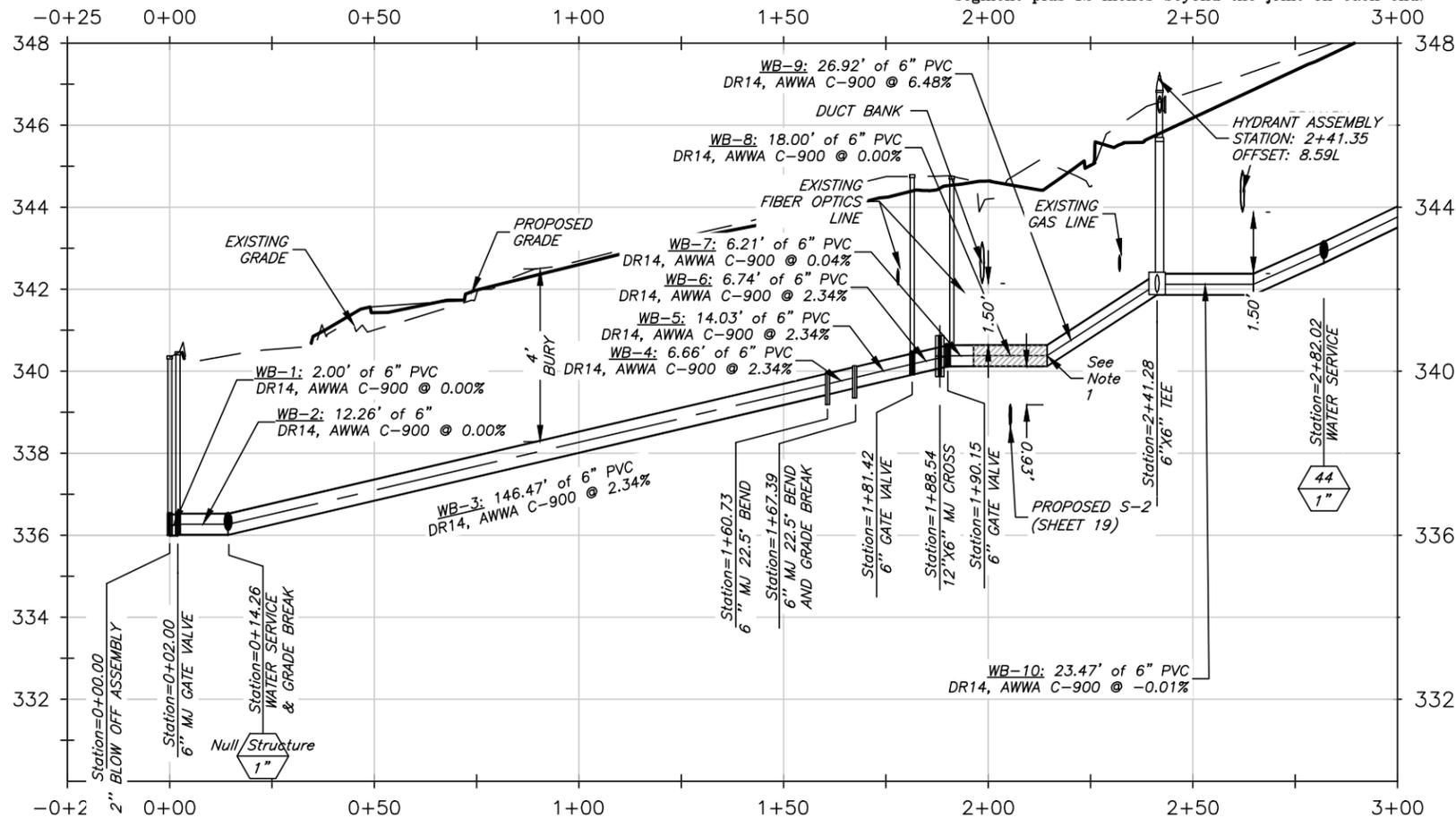


Plan: Waterline "B"



Profile: Waterline "B"

Profile Scale:
 1" = 40' Horizontal
 1" = 4' Vertical



NOTE:

1. In accordance with TCEQ §290.44(e)(4)(B)(iv), one segment of the waterline pipe shall be centered over the sanitary sewerline such that the joints of the waterline pipe are equidistant and at least nine feet horizontally from the centerline of the sanitary sewerline, and the the waterline shall be at least six inches above the sanitary sewerline. The sanitary sewerline shall have a minimum pressure class of 150 psi. The sanitary sewerline shall be embedded in cement-stabilized sand for the total length of one pipe segment plus 12 inches beyond the joint on each end.

Note:

1. No valves, meters, fire hydrants, or blow-off assemblies are to be placed within the proposed sidewalks. Contractor to verify the location of all proposed sidewalks prior to installation of valves, meters, etc. and notify Engineer of any conflicts found. Failure to do so will result in relocation (at contractor's expense) of meters, valves, etc. prior to construction of sidewalks.
2. Contractor to contact BTU for help in stabilizing power poles prior to excavating near power poles.

Waterline "B"
Plan & Profile.

General Notes:

1. All construction shall be in accordance with the current BCS Standard Specifications, Details, and Design Guidelines for Water, Sewer, Streets, and Drainage, unless otherwise noted.
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3. See General Notes - pages 3&4

Owner Name and Address:

CITY OF BRYAN
The Good Life, Texas Style.
 PO Box 1000 - Bryan, Texas 77805

Firm Name and Address:

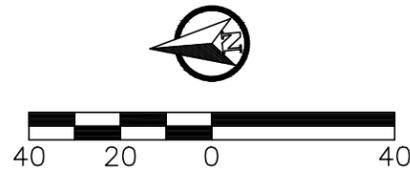
J4 Engineering
 PO Box 5192 - Bryan, Texas - 77805
 979-739-4567 www.J4Engineering.com
 Firm# 9951

Seal:

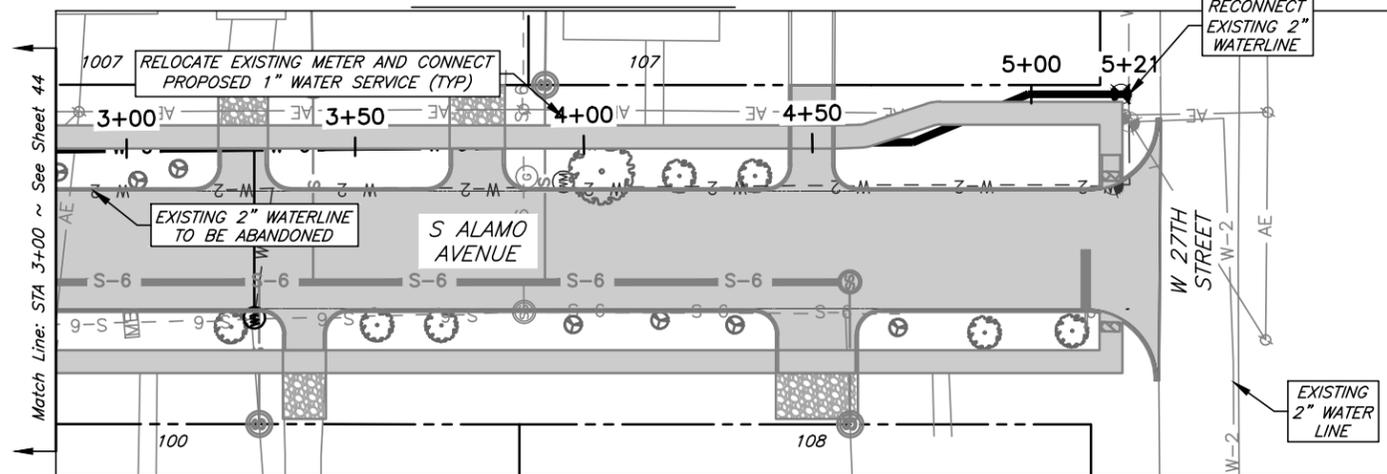
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Project Name and Address:
West 26th Street Rehabilitation
 City of Bryan Project Number
 332-411-425-611-DE-0915
 Bryan, Brazos County, Texas

Date: Feb 2016
 Scale: As Noted
 Sheet: 44

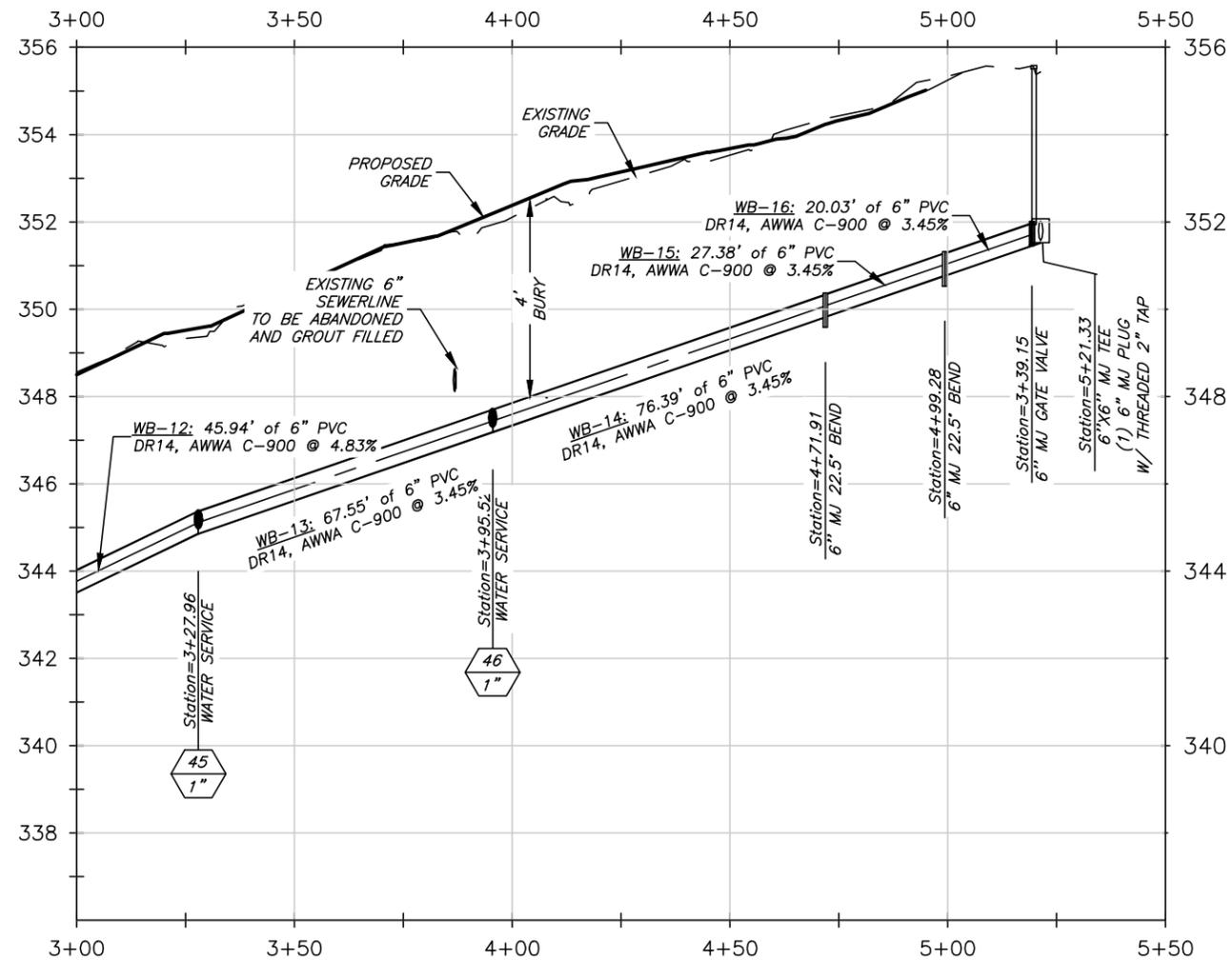


Plan: Waterline "B"



Profile: Waterline "B"

Profile Scale:
 1" = 40' Horizontal
 1" = 4' Vertical



Note:

1. No valves, meters, fire hydrants, or blow-off assemblies are to be placed within the proposed sidewalks. Contractor to verify the location of all proposed sidewalks prior to installation of valves, meters, etc. and notify Engineer of any conflicts found. Failure to do so will result in relocation (at contractor's expense) of meters, valves, etc. prior to construction of sidewalks.
2. Contractor to contact BTU for help in stabilizing power poles prior to excavating near power poles.

Waterline "B" Plan & Profile

General Notes:

1. All construction shall be in accordance with the current BCS Standard Specifications, Details, and Design Guidelines for Water, Sewer, Streets, and Drainage, unless otherwise noted.
2. It is the intent of these plans to comply with all City of Bryan guidelines, details, and specifications.
3. See General Notes - pages 3&4

Owner Name and Address:



Firm Name and Address:



Seal:



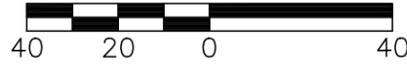
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Project Name and Address:

**West 26th Street
Rehabilitation**

 City of Bryan Project Number
 332-411-425-611-DE-0915
 Bryan, Brazos County, Texas

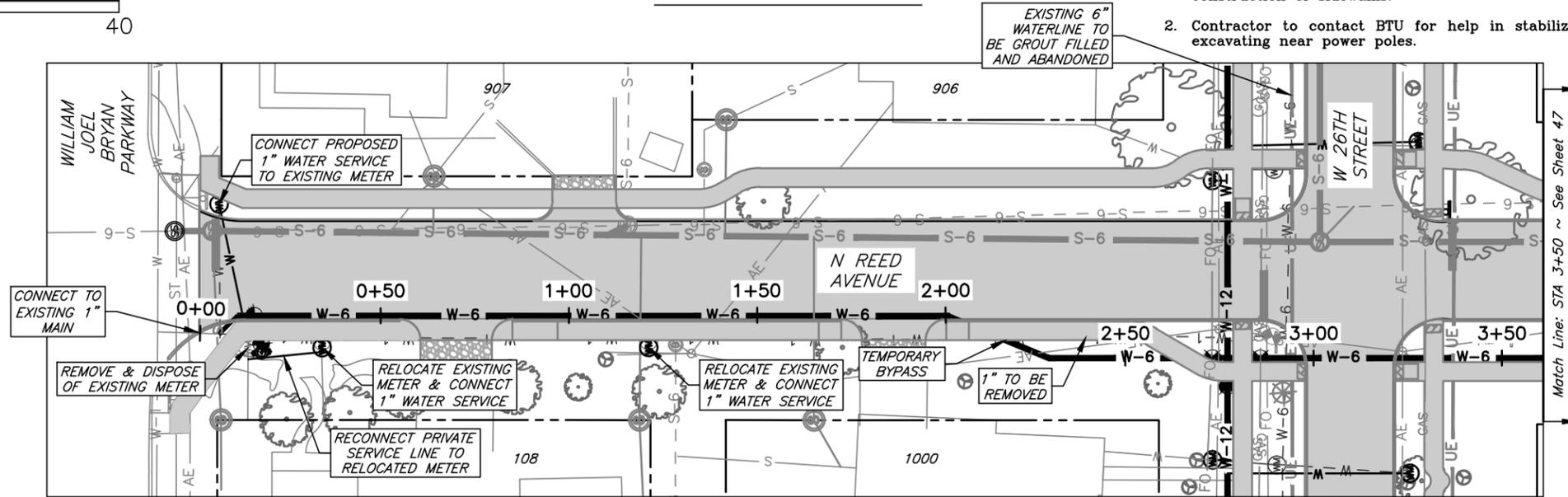
Date: Feb 2016	Sheet: 45
Scale: As Noted	



Plan: Waterline "C"

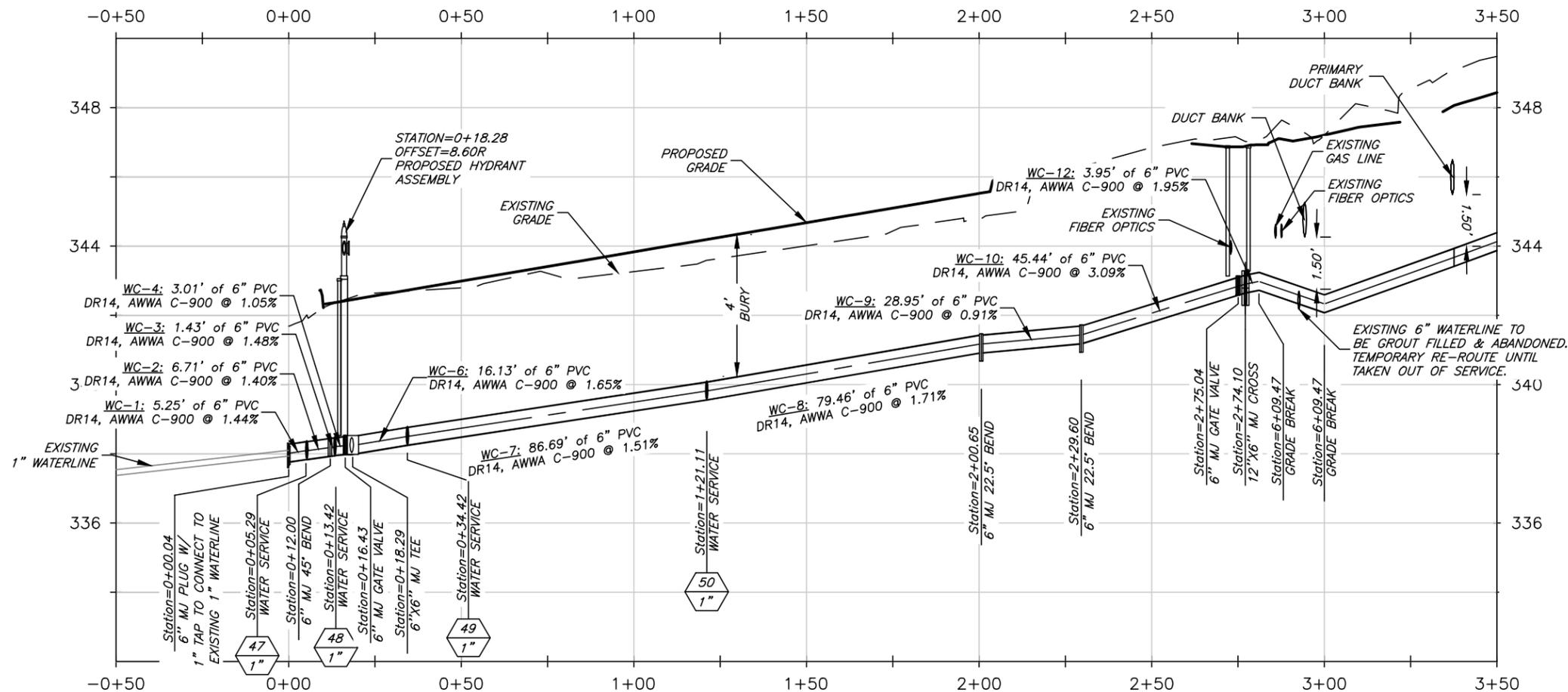
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- Contractor to contact BTU for help in stabilizing power poles prior to excavating near power poles.



Profile Scale:
 1" = 40' Horizontal
 1" = 4' Vertical

Profile: Waterline "C"



Waterline "C"

Plan & Profile.

General Notes:

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- It is the intent of these plans to comply with all City of Bryan guidelines, details, and specifications.
- See General Notes - pages 3&4

Owner Name and Address:



CITY OF BRYAN
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 PO Box 1000 - Bryan, Texas 77805

Firm Name and Address:



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 PO Box 5192 - Bryan, Texas - 77805
 979-739-0567 www.J4Engineering.com
 Firm# 9951

Seal:

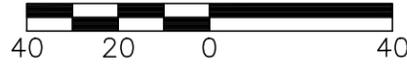


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Project Name and Address:

West 26th Street Rehabilitation
 City of Bryan Project Number
 332-411-425-611-DE-0915
 Bryan, Brazos County, Texas

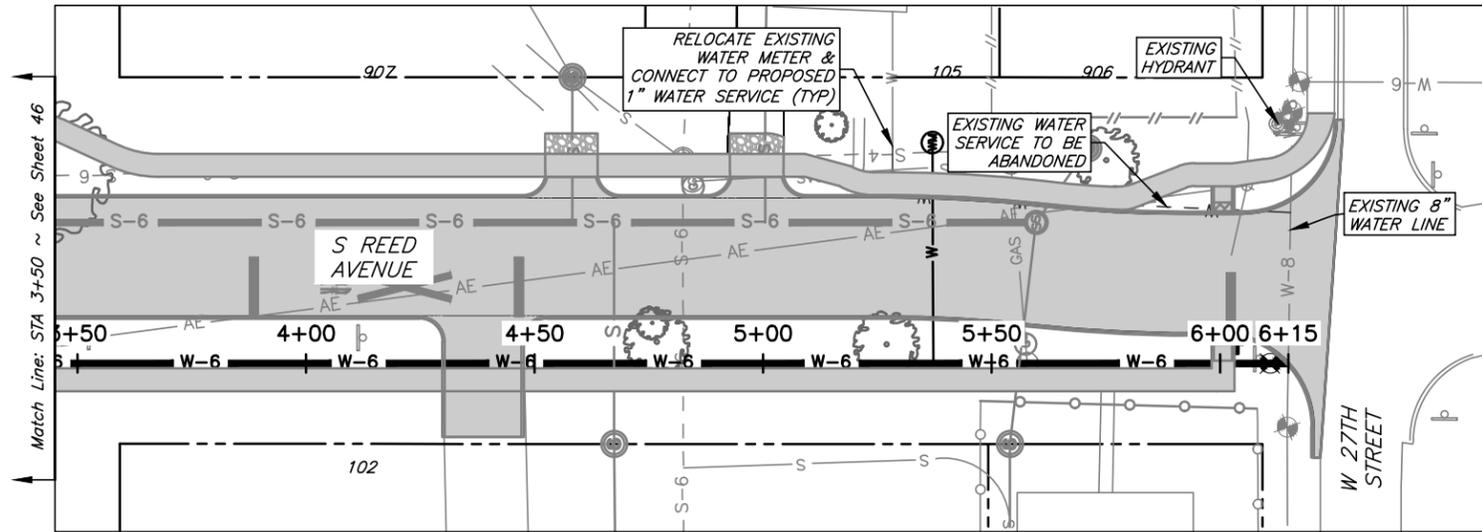
Date: Feb 2016
 Scale: As Noted
 Sheet: 46



Plan: Waterline "C"

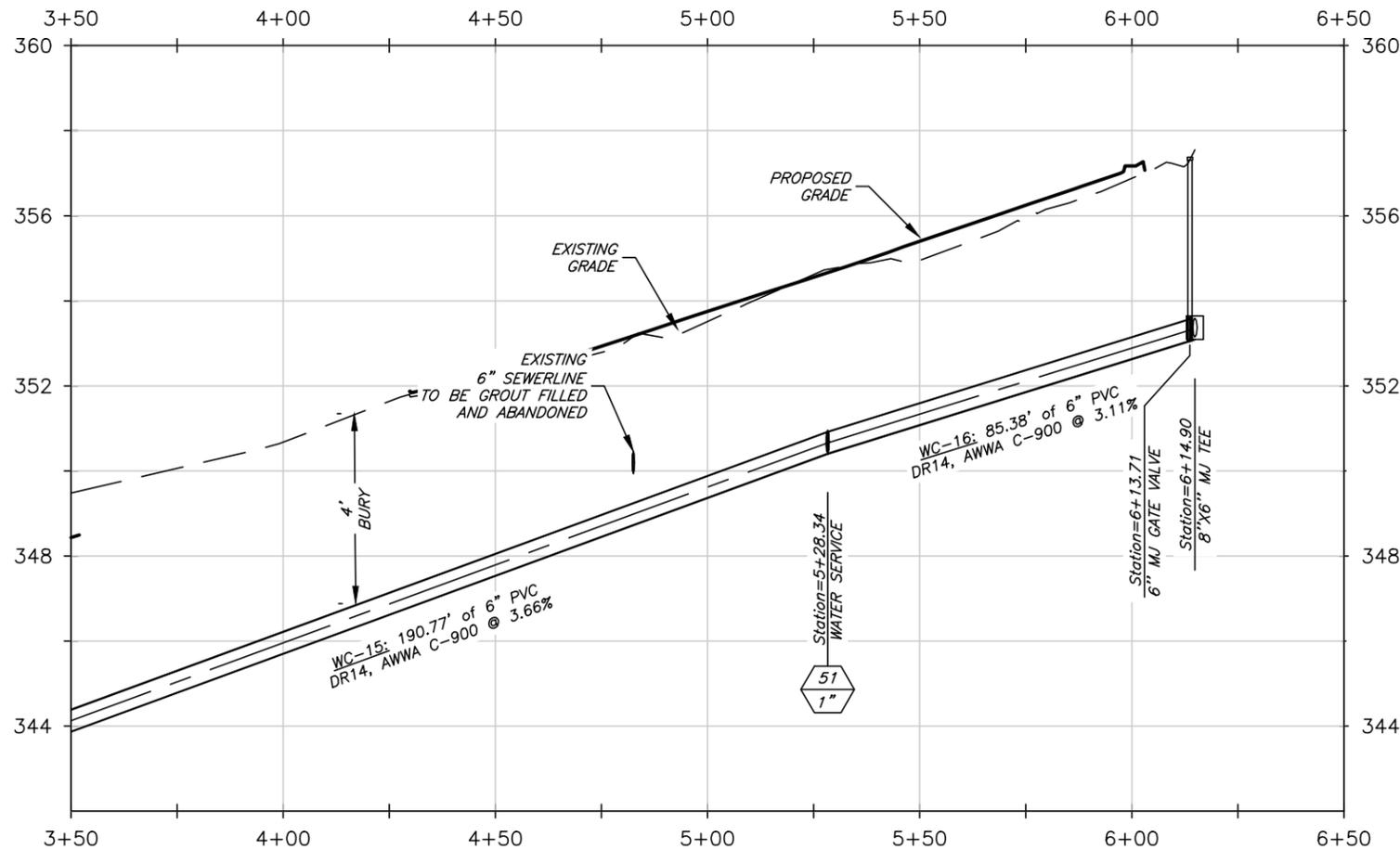
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- Contractor to contact BTU for help in stabilizing power poles prior to excavating near power poles.



Profile Scale:
 1" = 40' Horizontal
 1" = 4' Vertical

Profile: Waterline "C"



Waterline "C"

Plan & Profile.

General Notes:

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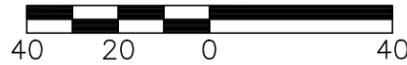


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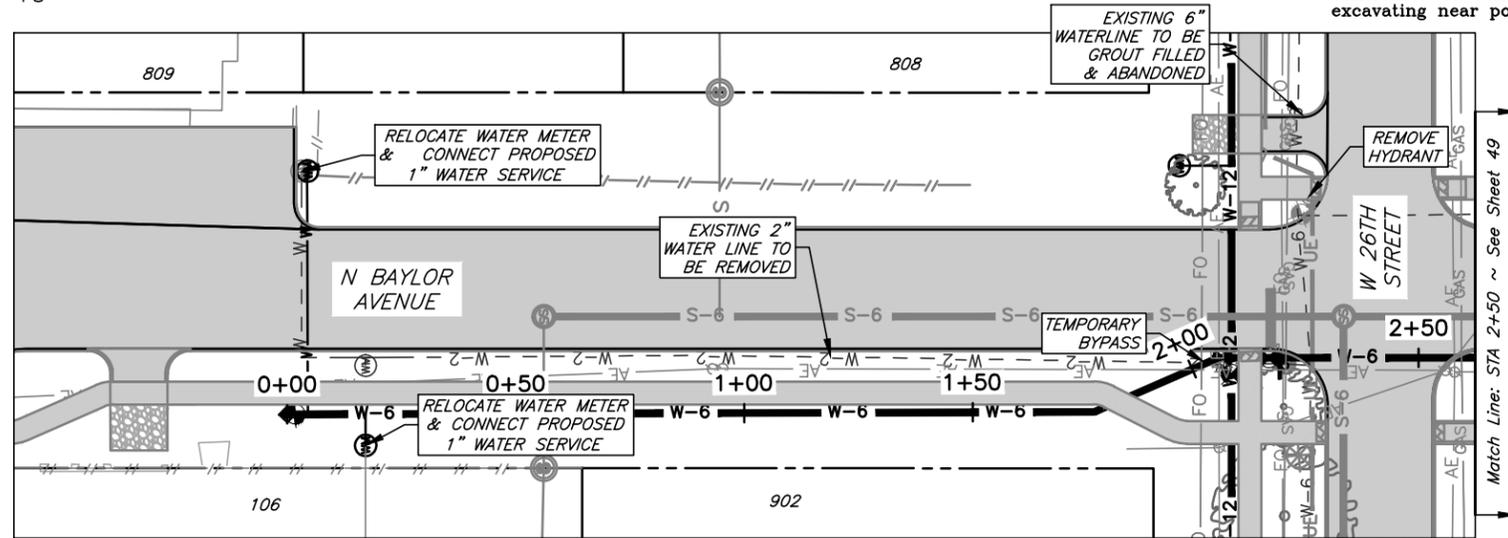
Project Name and Address:

West 26th Street Rehabilitation
 City of Bryan Project Number
 332-411-425-611-DE-0915
 Bryan, Brazos County, Texas

Date: Feb 2016
 Scale: As Noted
 Sheet: 47



Plan: Waterline "D"



Note:

- No valves, meters, fire hydrants, or blow-off assemblies are to be placed within the proposed sidewalks. Contractor to verify the location of all proposed sidewalks prior to installation of valves, meters, etc. and notify Engineer of any conflicts found. Failure to do so will result in relocation (at contractor's expense) of meters, valves, etc. prior to construction of sidewalks.
- Contractor to contact BTU for help in stabilizing power poles prior to excavating near power poles.

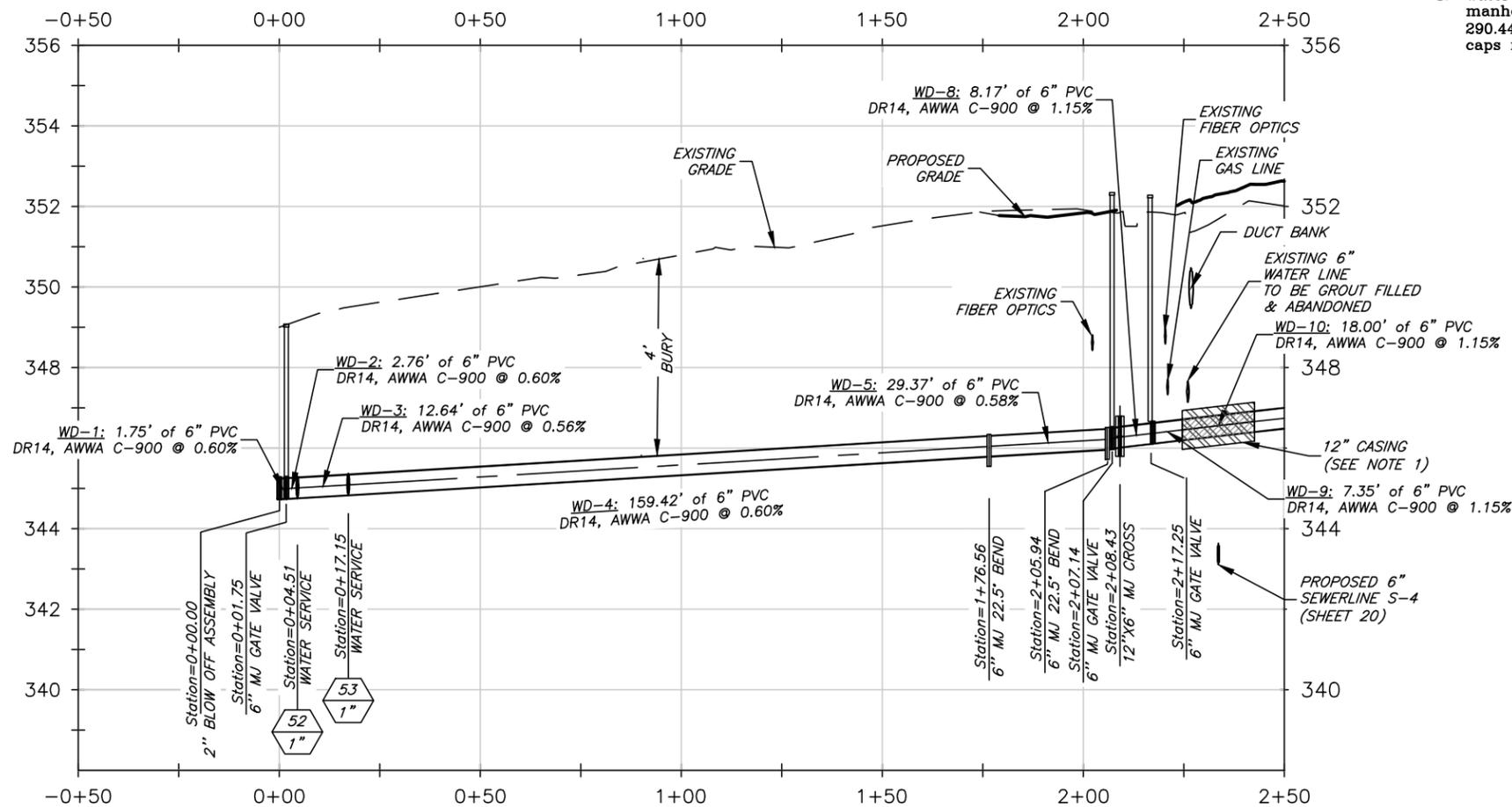
Waterline "D" Plan & Profile.

General Notes:

- All construction shall be in accordance with the current BCS Standard Specifications, Details, and Design Guidelines for Water, Sewer, Streets, and Drainage, unless otherwise noted.
- It is the intent of these plans to comply with all City of Bryan guidelines, details, and specifications.
- See General Notes - pages 3&4

Profile: Waterline "D"

Profile Scale:
1" = 40' Horizontal
1" = 4' Vertical



NOTE:

- Water line separation from sanitary manhole is in accordance with 30 TAC 290.44(e)(5). Casing spacers with end caps required.

Owner Name and Address:

CITY OF BRYAN
The Good Life, Texas Style.
PO Box 1000 - Bryan, Texas 77805

Firm Name and Address:

J4 Engineering
PO Box 5192 - Bryan, Texas - 77805
979-739-0567 www.J4Engineering.com
Firm# 9951

Seal:

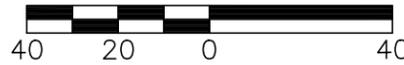
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Project Name and Address:

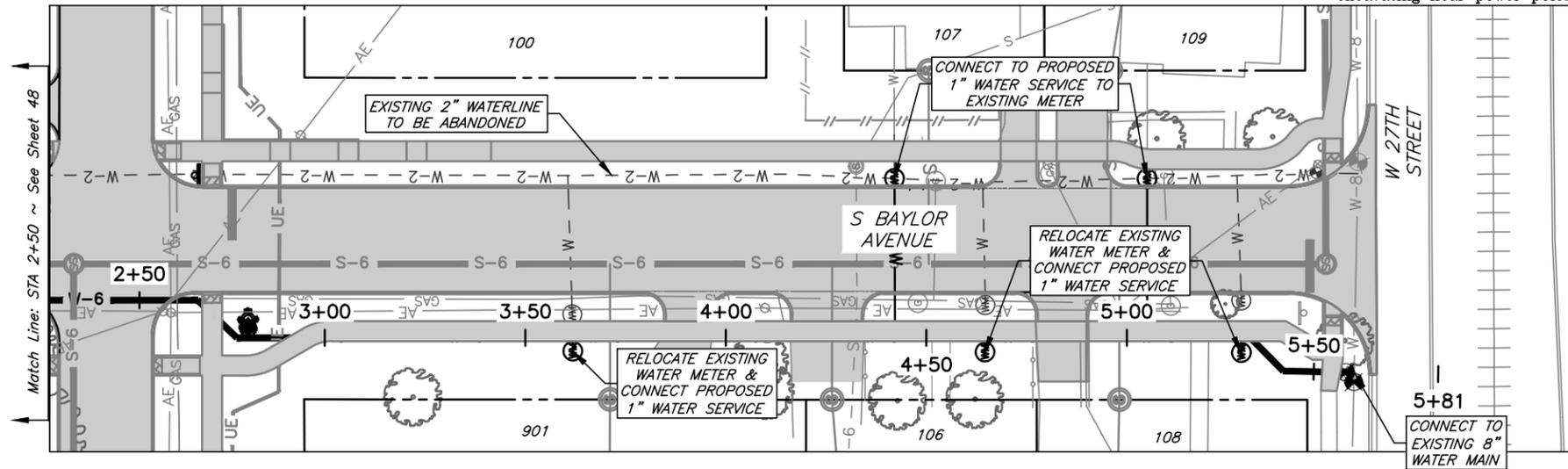
**West 26th Street
Rehabilitation**

City of Bryan Project Number
332-411-425-611-DE-0915
Bryan, Brazos County, Texas

Date: Feb 2016
Scale: As Noted
Sheet: 48



Plan: Waterline "D"



Note:

1. No valves, meters, fire hydrants, or blow-off assemblies are to be placed within the proposed sidewalks. Contractor to verify the location of all proposed sidewalks prior to installation of valves, meters, etc. and notify Engineer of any conflicts found. Failure to do so will result in relocation (at contractor's expense) of meters, valves, etc. prior to construction of sidewalks.
2. Contractor to contact BTU for help in stabilizing power poles prior to excavating near power poles.

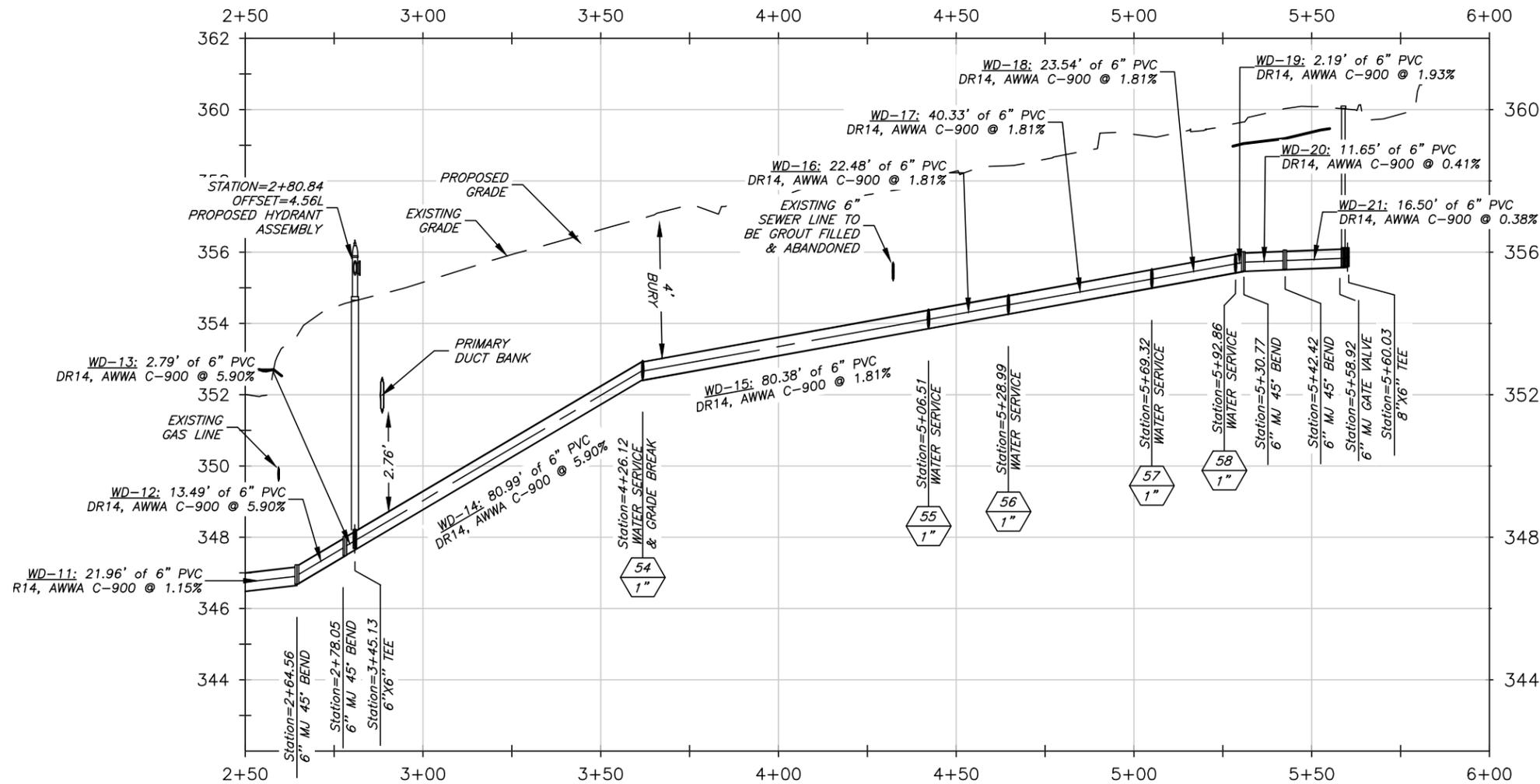
Waterline "D" Plan & Profile

General Notes:

1. All construction shall be in accordance with the current BCS Standard Specifications, Details, and Design Guidelines for Water, Sewer, Streets, and Drainage, unless otherwise noted.
2. It is the intent of these plans to comply with all City of Bryan guidelines, details, and specifications.
3. See General Notes - pages 3&4

Profile Scale:
1" = 40' Horizontal
1" = 4' Vertical

Profile: Waterline "D"



J4E Project # 14-038

04/04/2016 West 26th Street Water.dwg

J4 Engineering

Owner Name and Address:



CITY OF BRYAN
The Good Life, Texas Style.
PO Box 1000 - Bryan, Texas 77805

Firm Name and Address:



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PO Box 5192 - Bryan, Texas - 77805
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Project Name and Address:

**West 26th Street
Rehabilitation**

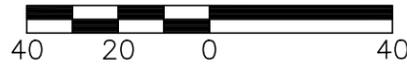
City of Bryan Project Number
332-411-425-611-DE-0915

Bryan, Brazos County, Texas

Date: Feb 2016

Scale: As Noted

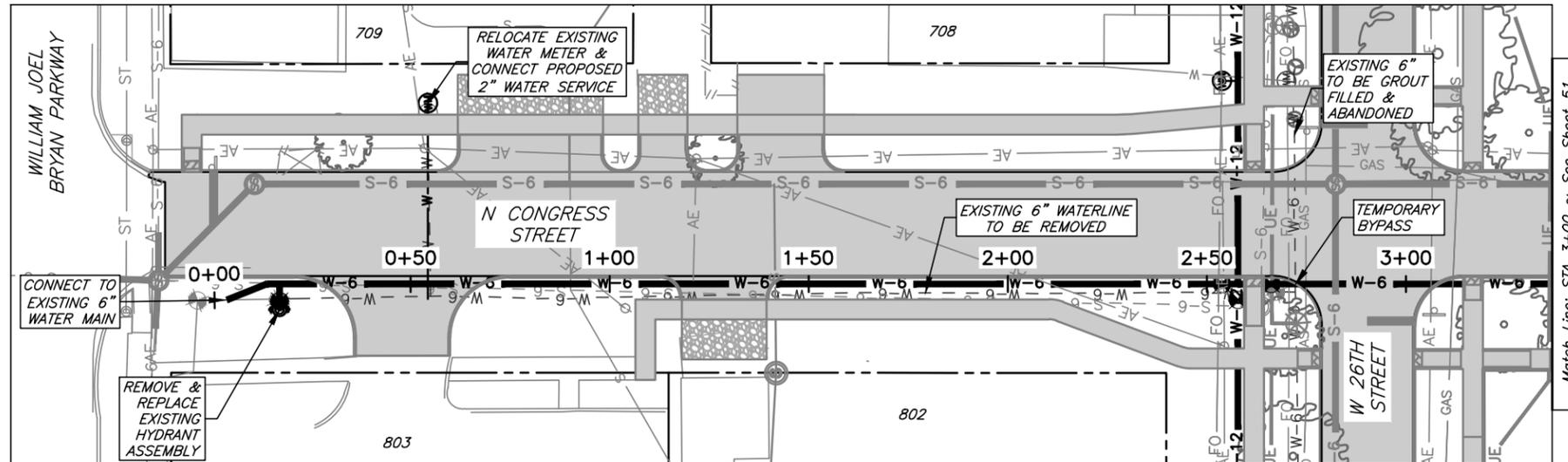
Sheet: 49



Plan: Waterline "E"

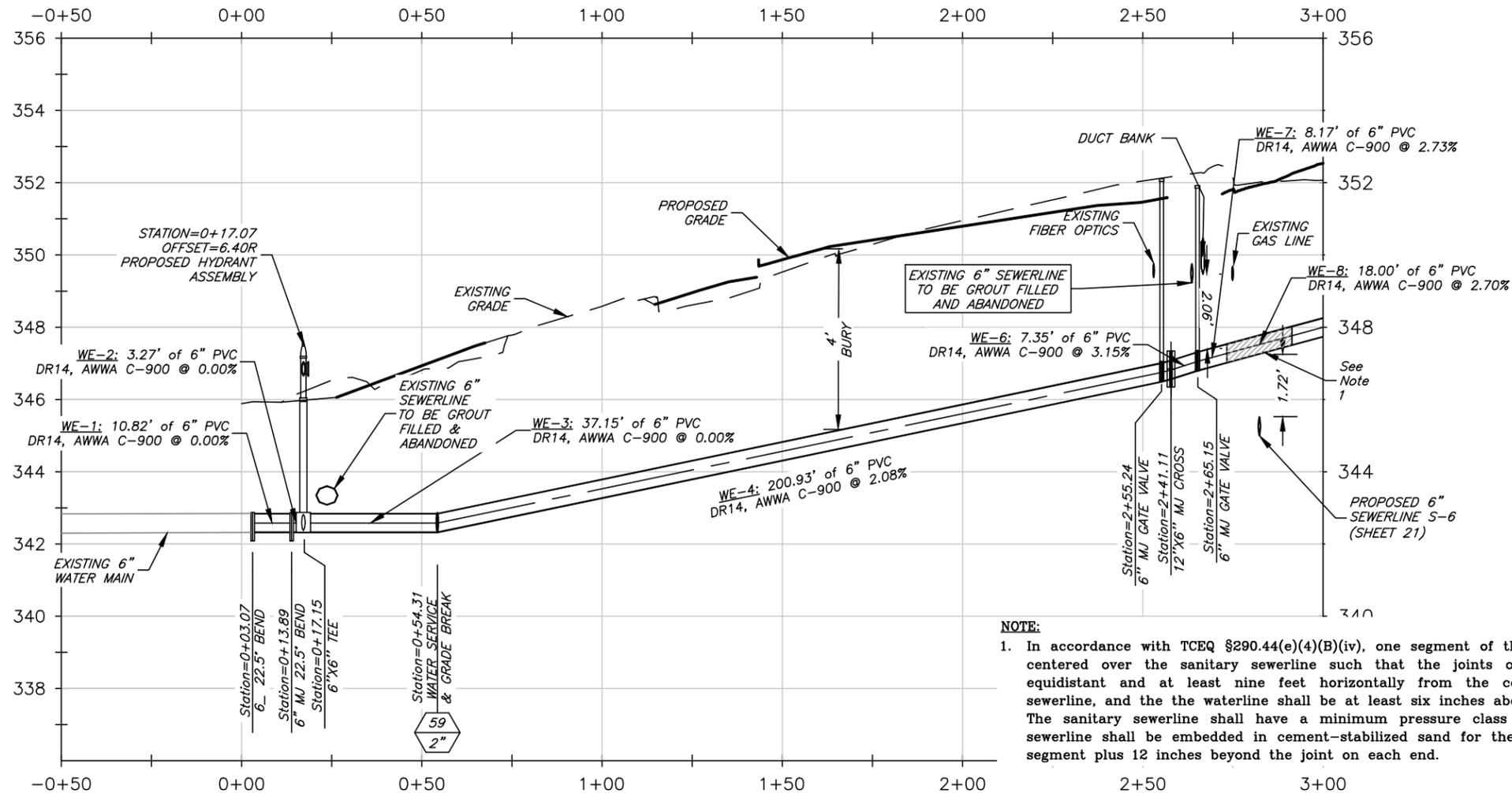
Note:

- No valves, meters, fire hydrants, or blow-off assemblies are to be placed within the proposed sidewalks. Contractor to verify the location of all proposed sidewalks prior to installation of valves, meters, etc. and notify Engineer of any conflicts found. Failure to do so will result in relocation (at contractor's expense) of meters, valves, etc. prior to construction of sidewalks.
- Contractor to contact BTU for help in stabilizing power poles prior to excavating near power poles.



Profile Scale:
 1" = 40' Horizontal
 1" = 4' Vertical

Profile: Waterline "E"



NOTE:

- In accordance with TCEQ §290.44(e)(4)(B)(iv), one segment of the waterline pipe shall be centered over the sanitary sewerline such that the joints of the waterline pipe are equidistant and at least nine feet horizontally from the centerline of the sanitary sewerline, and the the waterline shall be at least six inches above the sanitary sewerline. The sanitary sewerline shall have a minimum pressure class of 150 psi. The sanitary sewerline shall be embedded in cement-stabilized sand for the total length of one pipe segment plus 12 inches beyond the joint on each end.

Waterline "E"

Plan & Profile.

General Notes:

- All construction shall be in accordance with the current BCS Standard Specifications, Details, and Design Guidelines for Water, Sewer, Streets, and Drainage, unless otherwise noted.
- It is the intent of these plans to comply with all City of Bryan guidelines, details, and specifications.
- See General Notes - pages 3&4

Owner Name and Address:

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 The Good Life, Texas Style.
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Firm Name and Address:

J4 Engineering
 PO Box 5192 - Bryan, Texas - 77805
 979-739-0567 www.J4Engineering.com
 Firm# 9951

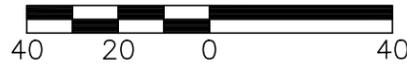
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Project Name and Address:

West 26th Street Rehabilitation
 City of Bryan Project Number
 332-411-425-611-DE-0915
 Bryan, Brazos County, Texas

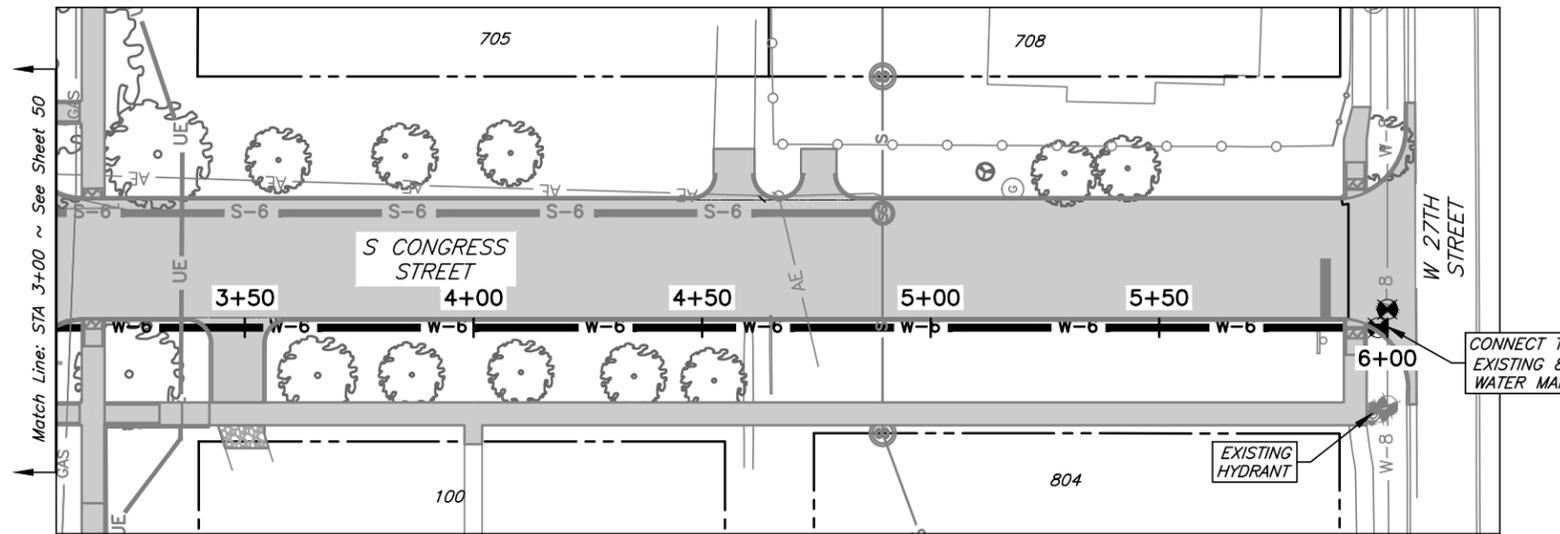
Date: Feb 2016
 Scale: As Noted
 Sheet: 50



Plan: Waterline "E"

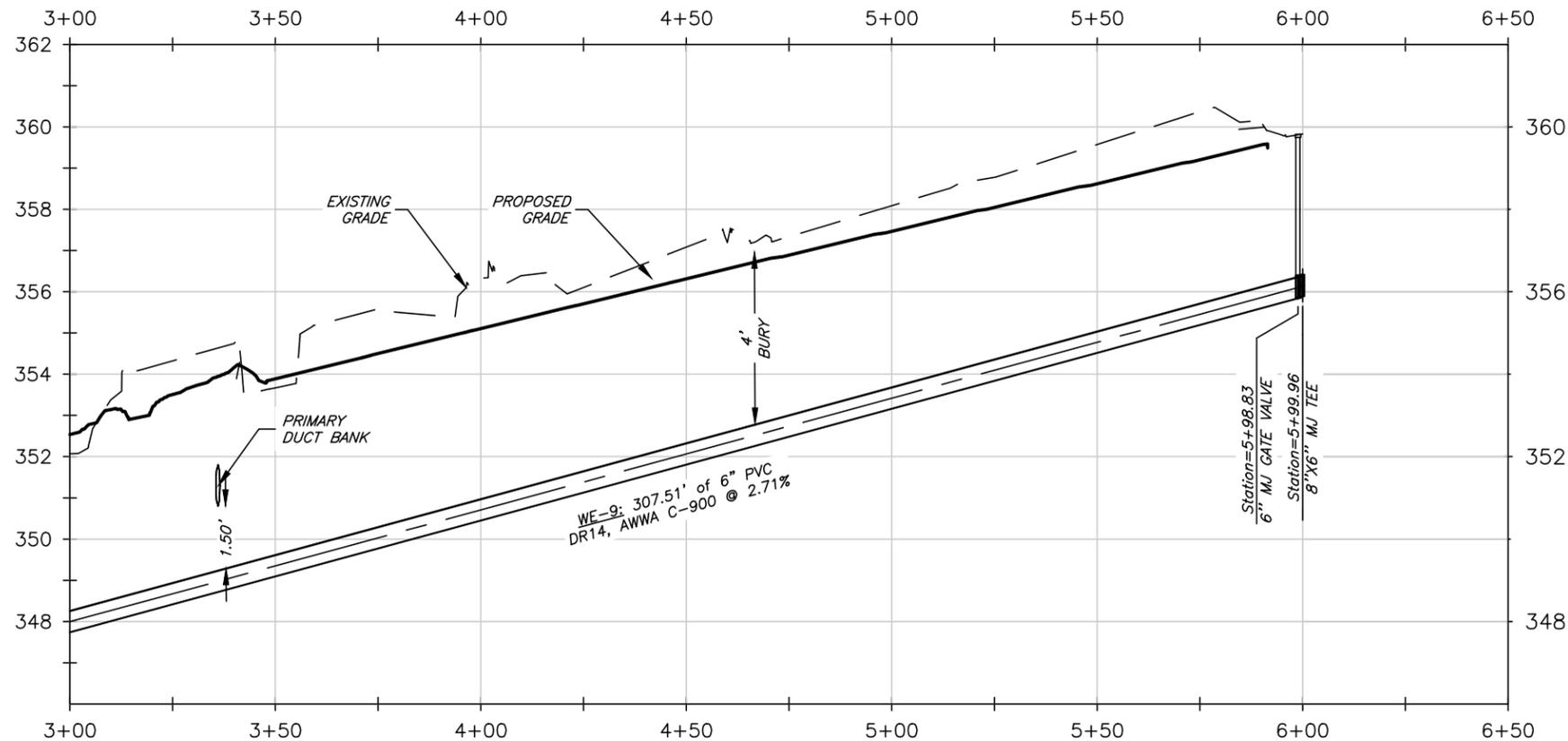
Note:

1. No valves, meters, fire hydrants, or blow-off assemblies are to be placed within the proposed sidewalks. Contractor to verify the location of all proposed sidewalks prior to installation of valves, meters, etc. and notify Engineer of any conflicts found. Failure to do so will result in relocation (at contractor's expense) of meters, valves, etc. prior to construction of sidewalks.
2. Contractor to contact BTU for help in stabilizing power poles prior to excavating near power poles.



Profile Scale:
 1" = 40' Horizontal
 1" = 4' Vertical

Profile: Waterline "E"



Waterline "E" Plan & Profile

General Notes:

1. All construction shall be in accordance with the current BCS Standard Specifications, Details, and Design Guidelines for Water, Sewer, Streets, and Drainage, unless otherwise noted.
2. It is the intent of these plans to comply with all City of Bryan guidelines, details, and specifications.
3. See General Notes - pages 3&4

Owner Name and Address:



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 The Good Life, Texas Style.
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Firm Name and Address:



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Project Name and Address:

**West 26th Street
 Rehabilitation**

City of Bryan Project Number
 332-411-425-611-DE-0915
 Bryan, Brazos County, Texas

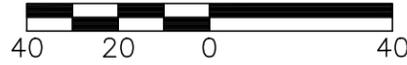
Date:

Feb 2016

Sheet:

As Noted

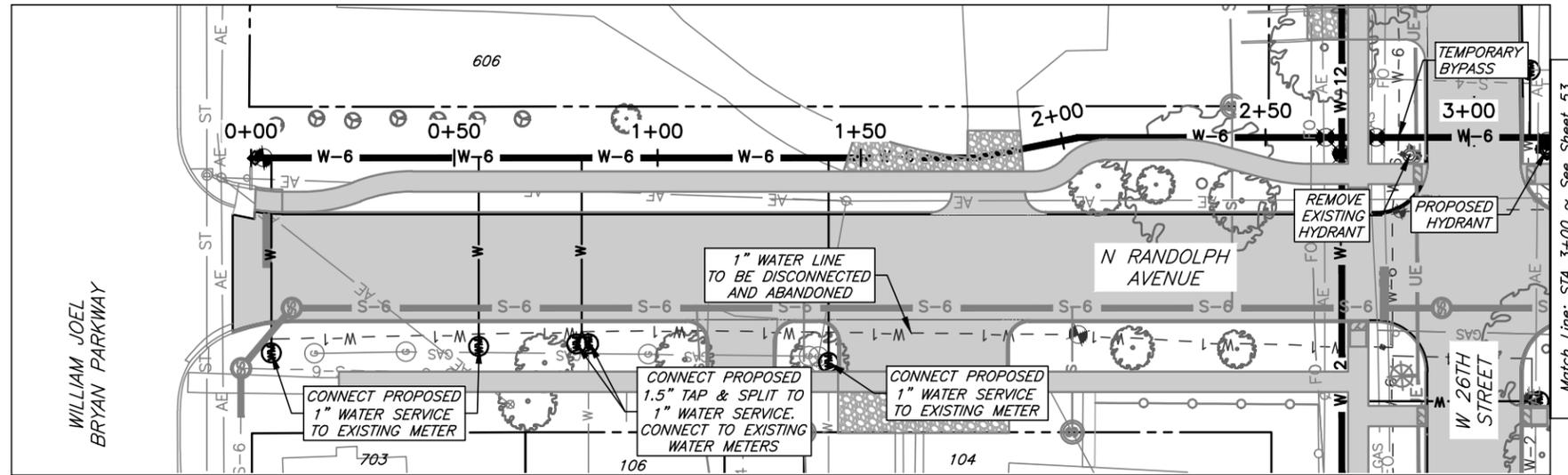
51



Plan: Waterline "F"

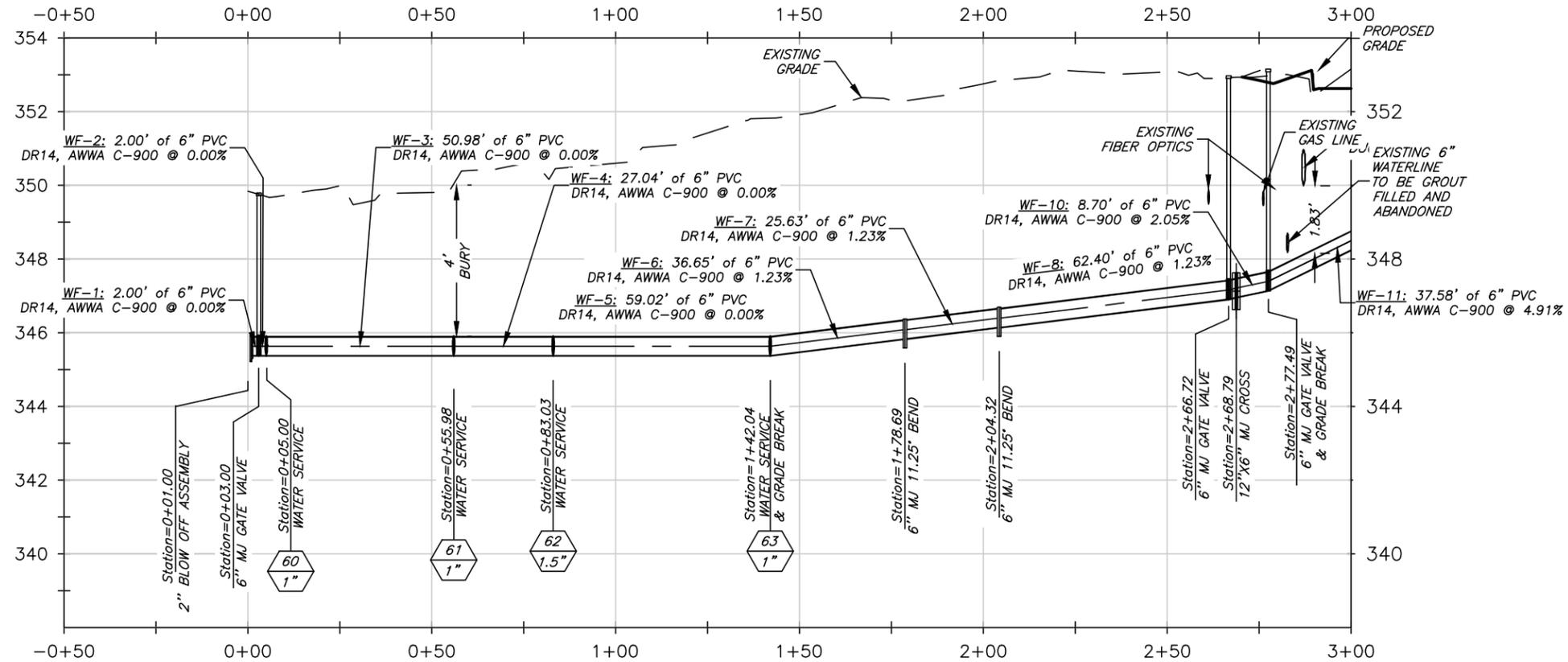
Note:

- No valves, meters, fire hydrants, or blow-off assemblies are to be placed within the proposed sidewalks. Contractor to verify the location of all proposed sidewalks prior to installation of valves, meters, etc. and notify Engineer of any conflicts found. Failure to do so will result in relocation (at contractor's expense) of meters, valves, etc. prior to construction of sidewalks.
- Contractor to contact BTU for help in stabilizing power poles prior to excavating near power poles.



Profile: Waterline "F"

Profile Scale:
 1" = 40' Horizontal
 1" = 4' Vertical



Waterline "F" Plan & Profile.

General Notes:

- All construction shall be in accordance with the current BCS Standard Specifications, Details, and Design Guidelines for Water, Sewer, Streets, and Drainage, unless otherwise noted.
- It is the intent of these plans to comply with all City of Bryan guidelines, details, and specifications.
- See General Notes - pages 3&4

Owner Name and Address:

CITY OF BRYAN
 The Good Life, Texas Style.
 PO Box 1000 - Bryan, Texas 77805

Firm Name and Address:

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 PO Box 5192 - Bryan, Texas - 77805
 979-739-0567 www.J4Engineering.com
 Firm # 9951

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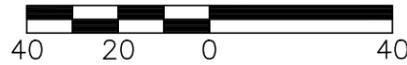
Project Name and Address:

**West 26th Street
 Rehabilitation**

City of Bryan Project Number
 332-411-425-611-DE-0915

Bryan, Brazos County, Texas

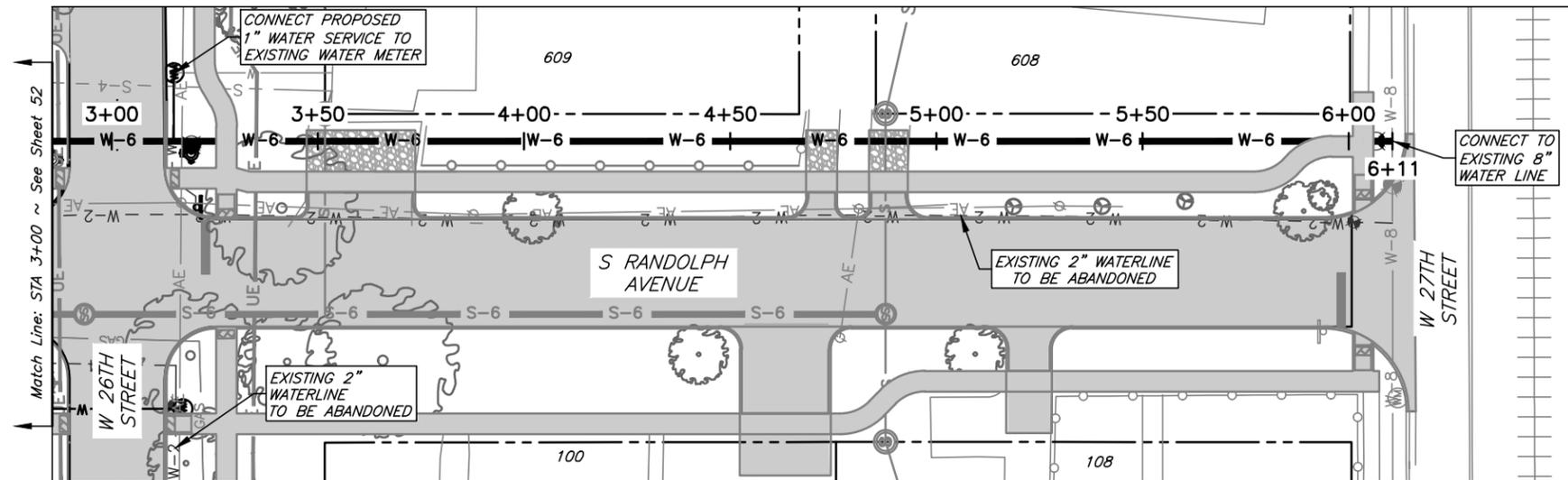
Date: Feb 2016
 Scale: As Noted
 Sheet: 52



Plan: Waterline "F"

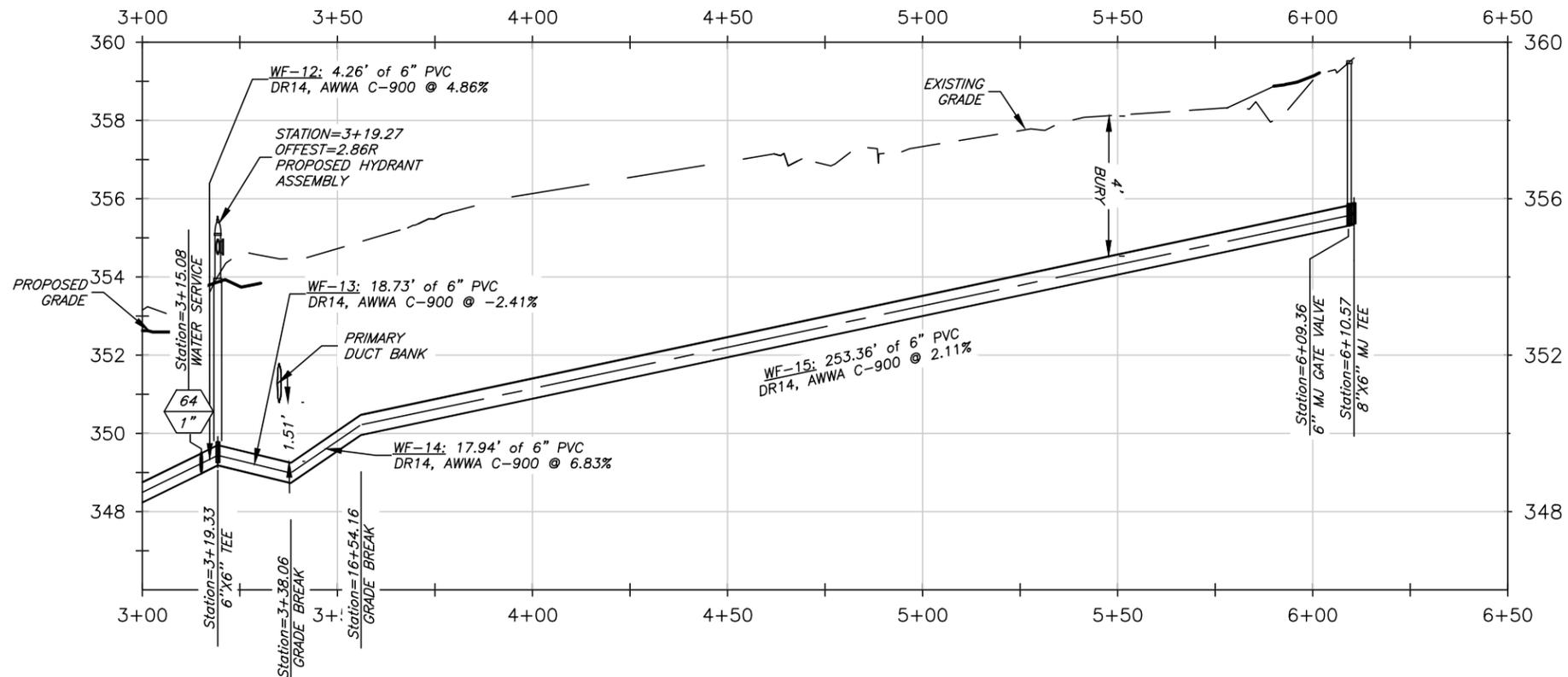
Note:

1. No valves, meters, fire hydrants, or blow-off assemblies are to be placed within the proposed sidewalks. Contractor to verify the location of all proposed sidewalks prior to installation of valves, meters, etc. and notify Engineer of any conflicts found. Failure to do so will result in relocation (at contractor's expense) of meters, valves, etc. prior to construction of sidewalks.
2. Contractor to contact BTU for help in stabilizing power poles prior to excavating near power poles.



Profile: Waterline "F"

Profile Scale:
 1" = 40' Horizontal
 1" = 4' Vertical



Waterline "F" Plan & Profile

General Notes:

1. All construction shall be in accordance with the current BCS Standard Specifications, Details, and Design Guidelines for Water, Sewer, Streets, and Drainage, unless otherwise noted.
2. It is the intent of these plans to comply with all City of Bryan guidelines, details, and specifications.
3. See General Notes - pages 3&4

Owner Name and Address:



CITY OF BRYAN
 The Good Life, Texas Style.
 PO Box 1000 - Bryan, Texas 77805

Firm Name and Address:



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Project Name and Address:

West 26th Street
 Rehabilitation

City of Bryan Project Number
 332-411-425-611-DE-0915
 Bryan, Brazos County, Texas

Date:

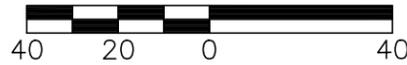
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Sheet:

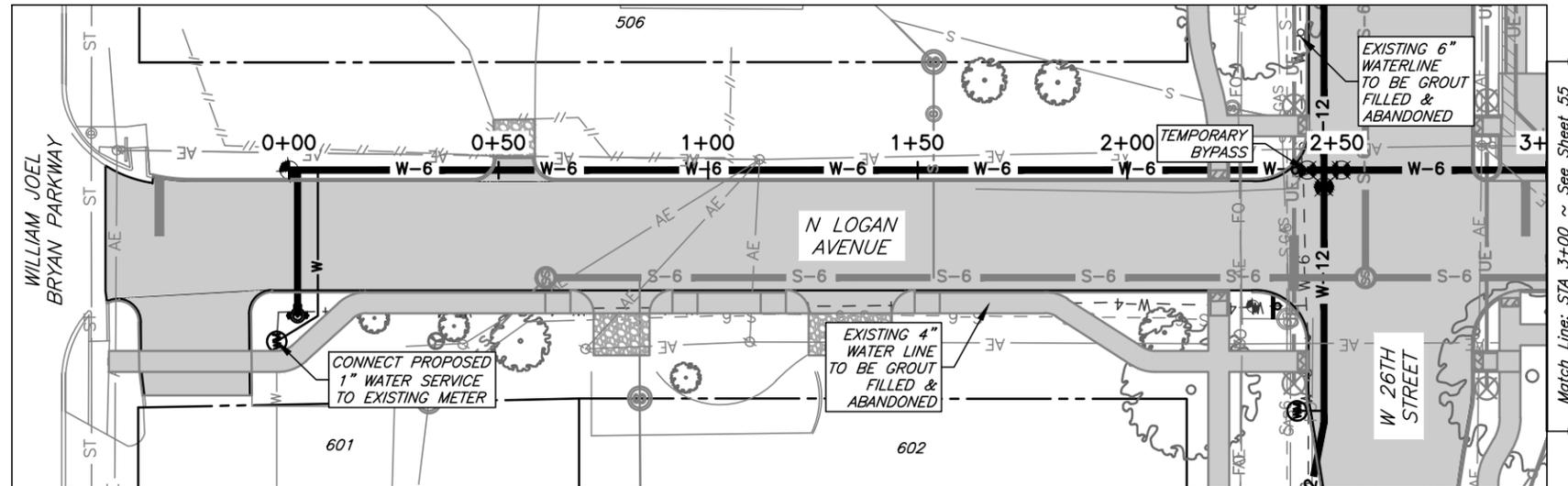
Scale:

As Noted

53



Plan: Waterline "G"



Note:

- No valves, meters, fire hydrants, or blow-off assemblies are to be placed within the proposed sidewalks. Contractor to verify the location of all proposed sidewalks prior to installation of valves, meters, etc. and notify Engineer of any conflicts found. Failure to do so will result in relocation (at contractor's expense) of meters, valves, etc. prior to construction of sidewalks.
- Contractor to contact BTU for help in stabilizing power poles prior to excavating near power poles.

Waterline "G" Plan & Profile.

General Notes:

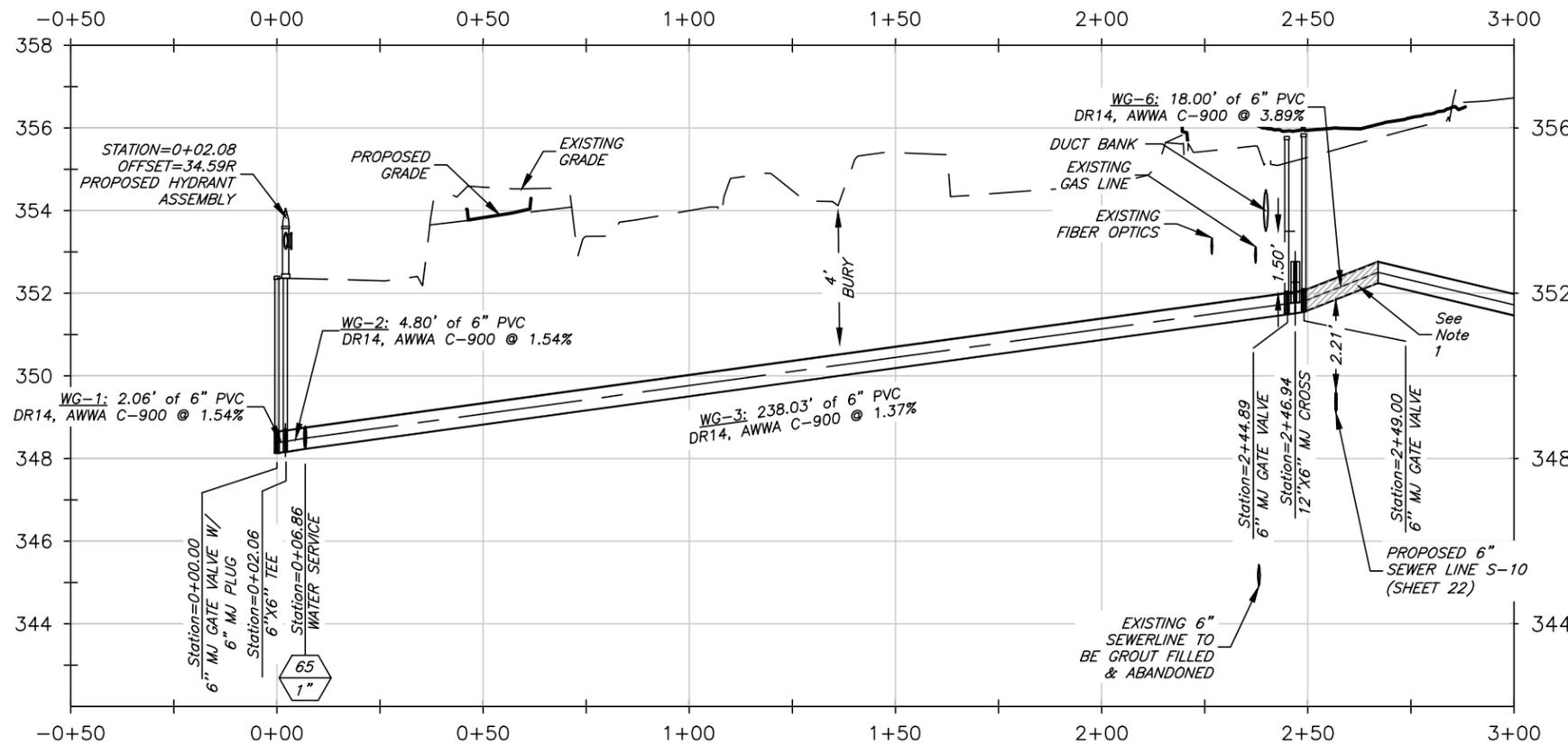
- All construction shall be in accordance with the current BCS Standard Specifications, Details, and Design Guidelines for Water, Sewer, Streets, and Drainage, unless otherwise noted.
- It is the intent of these plans to comply with all City of Bryan guidelines, details, and specifications.
- See General Notes - pages 3&4

NOTE:

- In accordance with TCEQ §290.44(e)(4)(B)(iv), one segment of the waterline pipe shall be centered over the sanitary sewerline such that the joints of the waterline pipe are equidistant and at least nine feet horizontally from the centerline of the sanitary sewerline, and the waterline shall be at least six inches above the sanitary sewerline. The sanitary sewerline shall have a minimum pressure class of 150 psi. The sanitary sewerline shall be embedded in cement-stabilized sand for the total length of one pipe segment plus 12 inches beyond the joint on each end.

Profile: Waterline "G"

Profile Scale:
 1" = 40' Horizontal
 1" = 4' Vertical



J4E Project # 14-038

04/04/2016 West 26th Street Water.dwg

J4 Engineering

Owner Name and Address:



CITY OF BRYAN
 The Good Life, Texas Style.
 PO Box 1000 - Bryan, Texas 77805

Firm Name and Address:



J4 Engineering
 PO Box 5192 - Bryan, Texas - 77805
 979-739-0567 www.J4Engineering.com
 Firm# 9951

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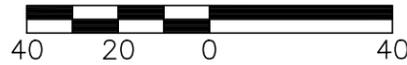


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Project Name and Address:

West 26th Street Rehabilitation
 City of Bryan Project Number
 332-411-425-611-DE-0915
 Bryan, Brazos County, Texas

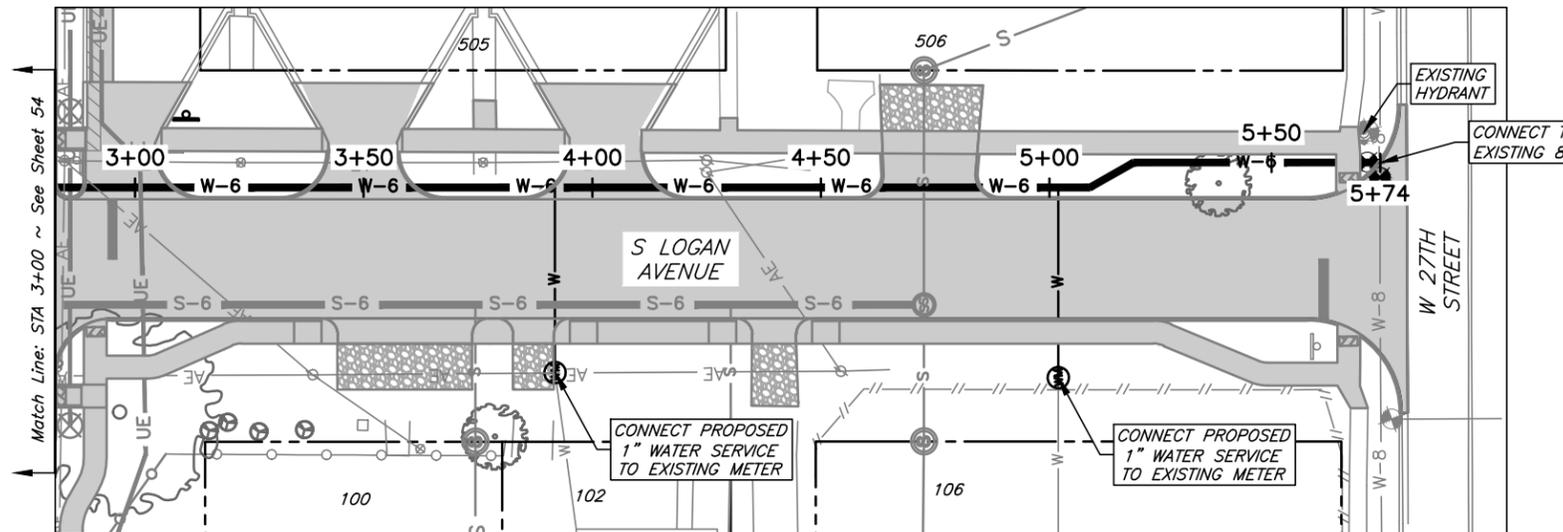
Date: Feb 2016
 Scale: As Noted
 Sheet: 54



Plan: Waterline "G"

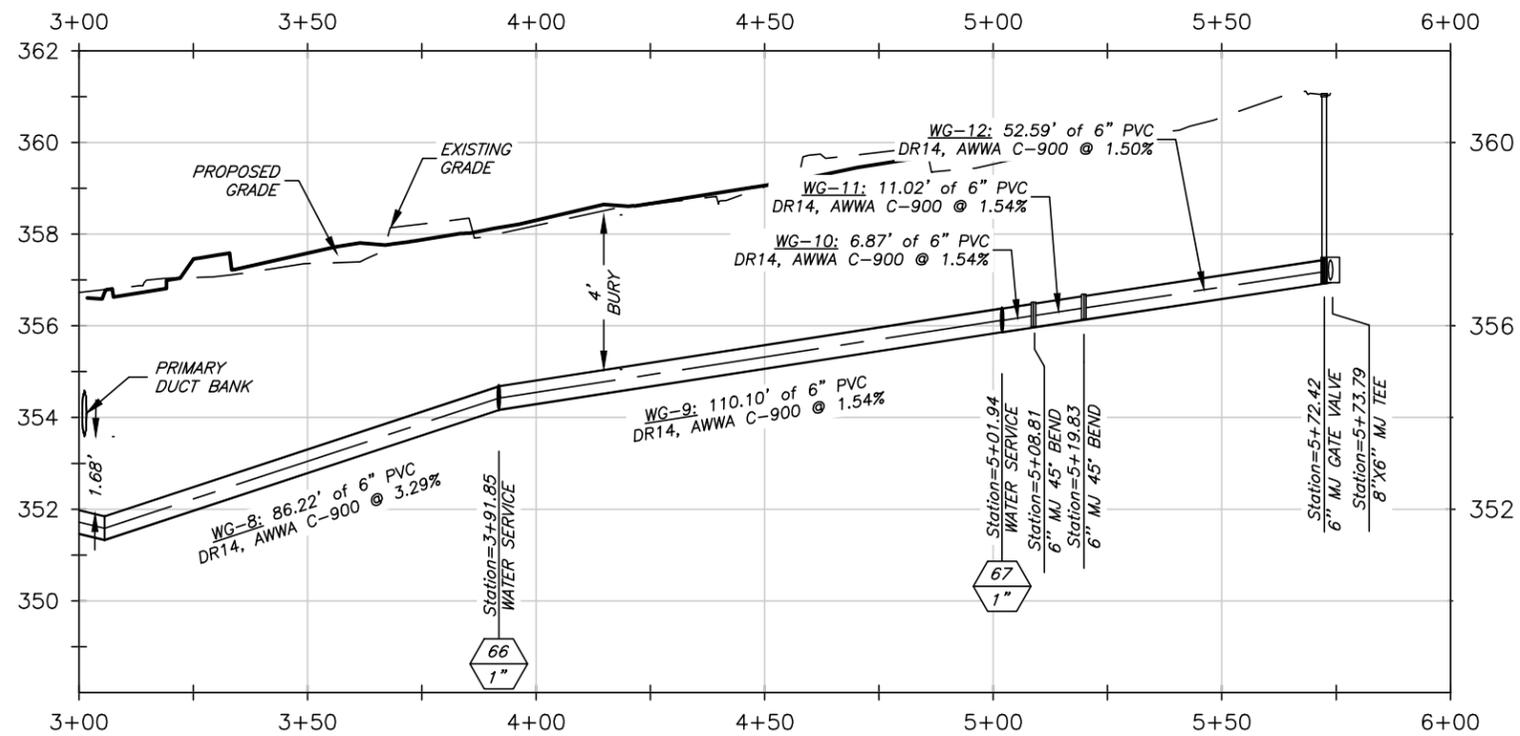
Note:

- No valves, meters, fire hydrants, or blow-off assemblies are to be placed within the proposed sidewalks. Contractor to verify the location of all proposed sidewalks prior to installation of valves, meters, etc. and notify Engineer of any conflicts found. Failure to do so will result in relocation (at contractor's expense) of meters, valves, etc. prior to construction of sidewalks.
- Contractor to contact BTU for help in stabilizing power poles prior to excavating near power poles.



Profile: Waterline "G"

Profile Scale:
 1" = 40' Horizontal
 1" = 4' Vertical



Waterline "G" Plan & Profile

General Notes:

- All construction shall be in accordance with the current BCS Standard Specifications, Details, and Design Guidelines for Water, Sewer, Streets, and Drainage, unless otherwise noted.
- It is the intent of these plans to comply with all City of Bryan guidelines, details, and specifications.
- See General Notes - pages 3&4

Owner Name and Address:



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Project Name and Address:

West 26th Street
 Rehabilitation

City of Bryan Project Number
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 Bryan, Brazos County, Texas

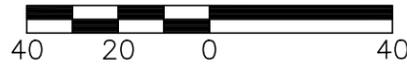
Date:

Feb 2016

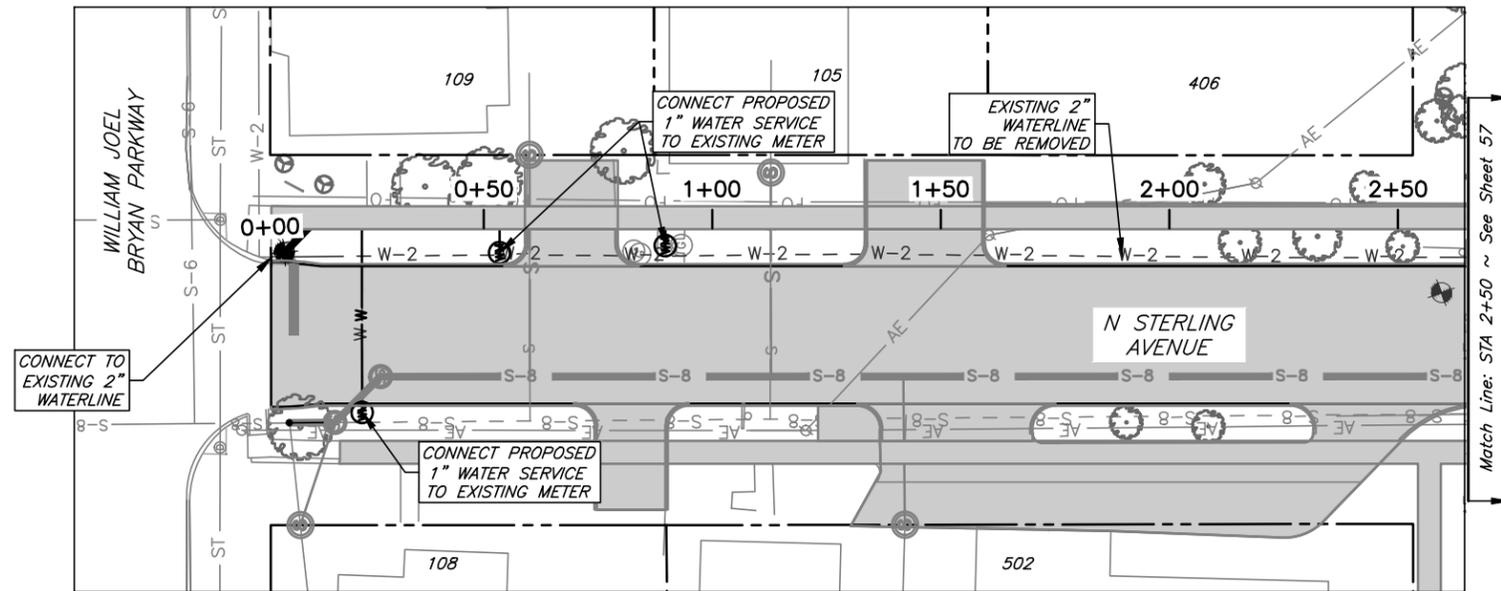
Sheet:

Scale:
As Noted

55



Plan: Waterline "H"

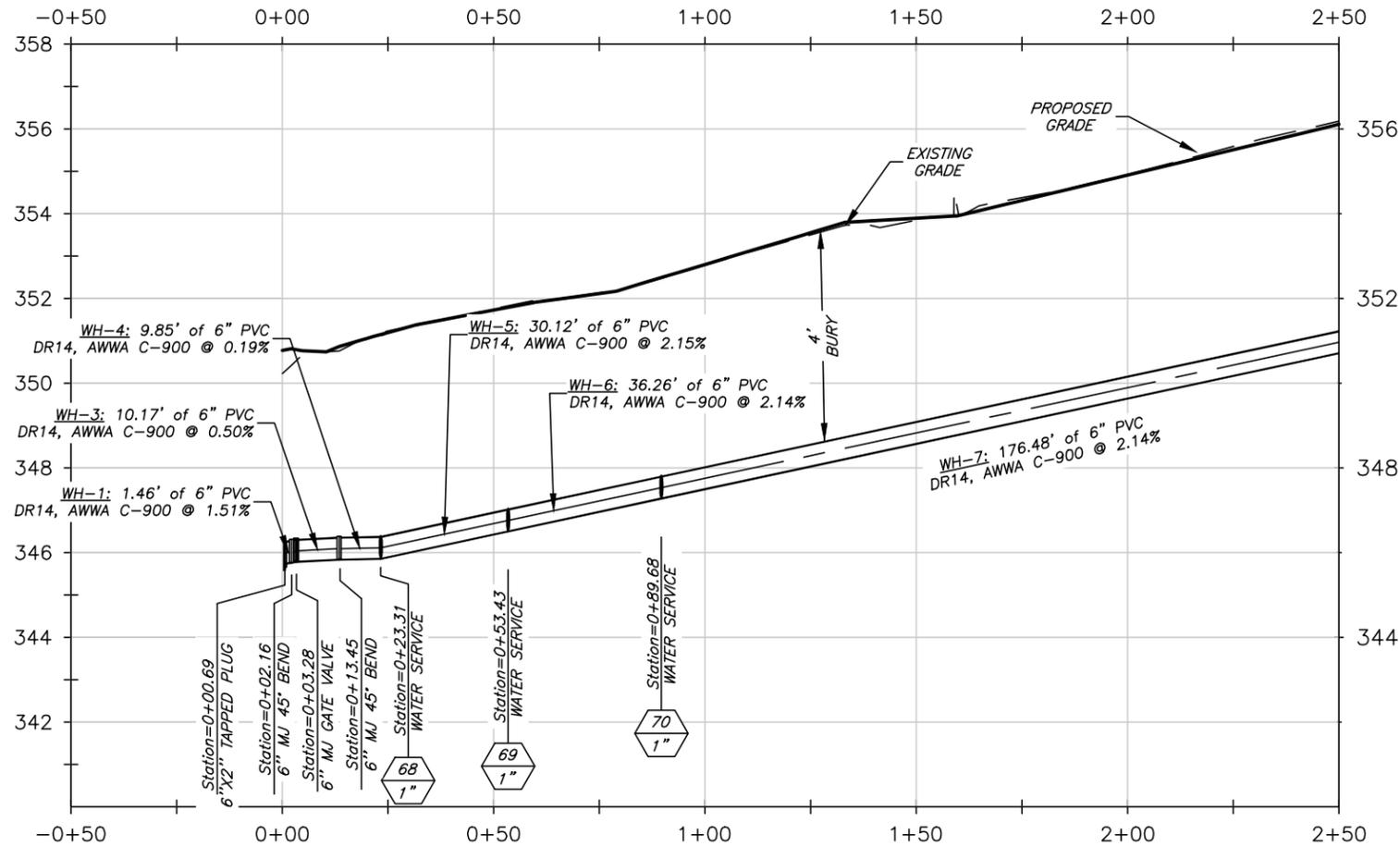


Note:

1. No valves, meters, fire hydrants, or blow-off assemblies are to be placed within the proposed sidewalks. Contractor to verify the location of all proposed sidewalks prior to installation of valves, meters, etc. and notify Engineer of any conflicts found. Failure to do so will result in relocation (at contractor's expense) of meters, valves, etc. prior to construction of sidewalks.
2. Contractor to contact BTU for help in stabilizing power poles prior to excavating near power poles.

Profile: Waterline "H"

Profile Scale:
 1" = 40' Horizontal
 1" = 4' Vertical



Waterline "H" Plan & Profile.

General Notes:

1. All construction shall be in accordance with the current BCS Standard Specifications, Details, and Design Guidelines for Water, Sewer, Streets, and Drainage, unless otherwise noted.
2. It is the intent of these plans to comply with all City of Bryan guidelines, details, and specifications.
3. See General Notes - pages 3&4

Owner Name and Address:



CITY OF BRYAN
 The Good Life, Texas Style.
 PO Box 1000 - Bryan, Texas 77805

Firm Name and Address:



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 PO Box 5192 - Bryan, Texas - 77805
 979-739-0567 www.J4Engineering.com
 Firm # 9951

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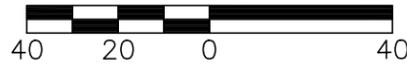


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Project Name and Address:

West 26th Street Rehabilitation
 City of Bryan Project Number 332-411-425-611-DE-0915
 Bryan, Brazos County, Texas

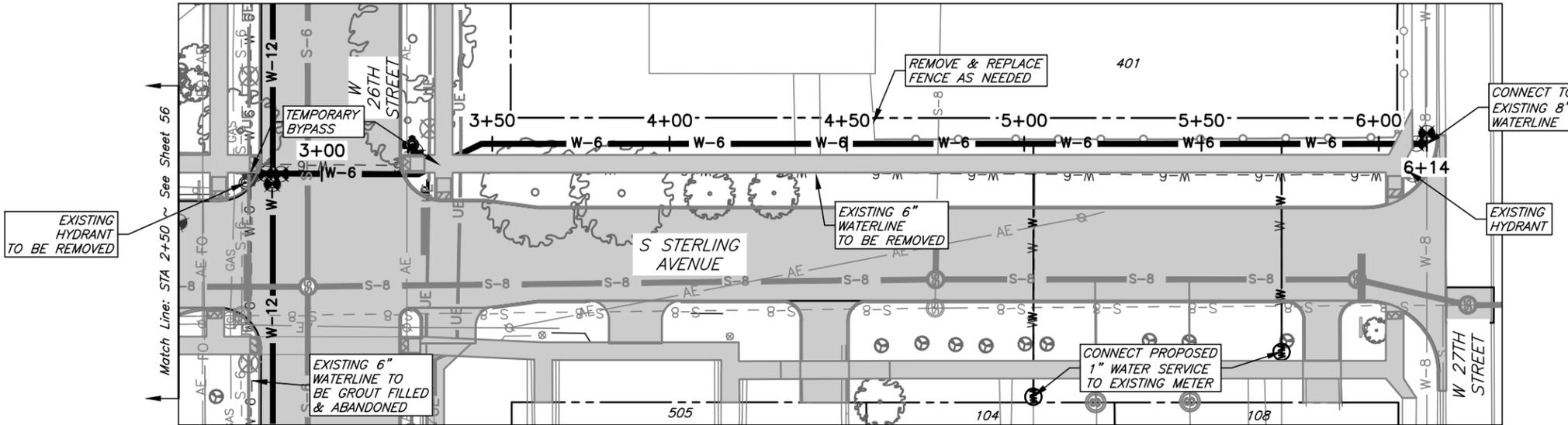
Date: Feb 2016
 Scale: As Noted
 Sheet: 56



Plan: Waterline "H"

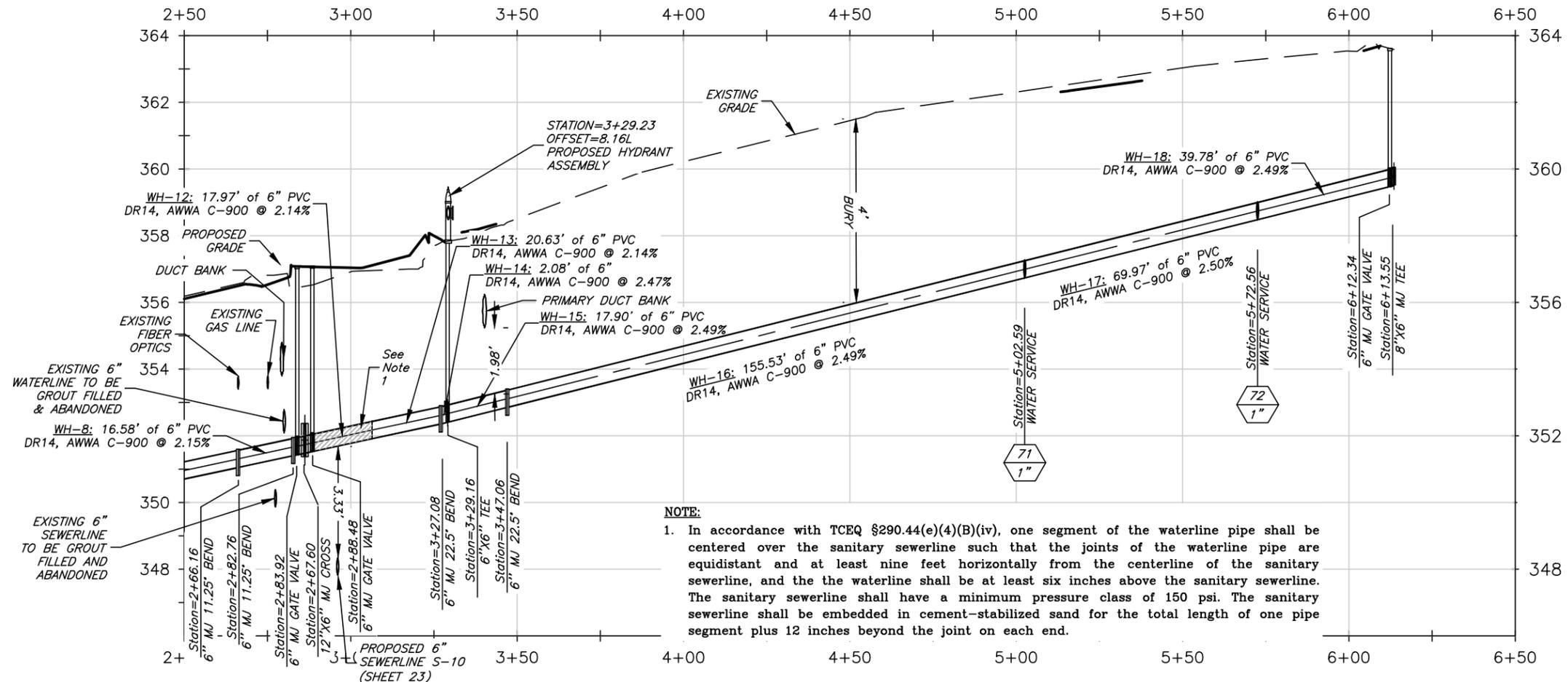
Note:

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- Contractor to contact BTU for help in stabilizing power poles prior to excavating near power poles.



Profile Scale:
 1" = 40' Horizontal
 1" = 4' Vertical

Profile: Waterline "H"



NOTE:

- In accordance with TCEQ §290.44(e)(4)(B)(iv), one segment of the waterline pipe shall be centered over the sanitary sewerline such that the joints of the waterline pipe are equidistant and at least nine feet horizontally from the centerline of the sanitary sewerline, and the the waterline shall be at least six inches above the sanitary sewerline. The sanitary sewerline shall be embedded in cement-stabilized sand for the total length of one pipe segment plus 12 inches beyond the joint on each end.

Waterline "H" Plan & Profile

General Notes:

- All construction shall be in accordance with the current BCS Standard Specifications, Details, and Design Guidelines for Water, Sewer, Streets, and Drainage, unless otherwise noted.
- It is the intent of these plans to comply with all City of Bryan guidelines, details, and specifications.
- See General Notes - pages 3&4

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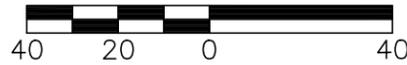


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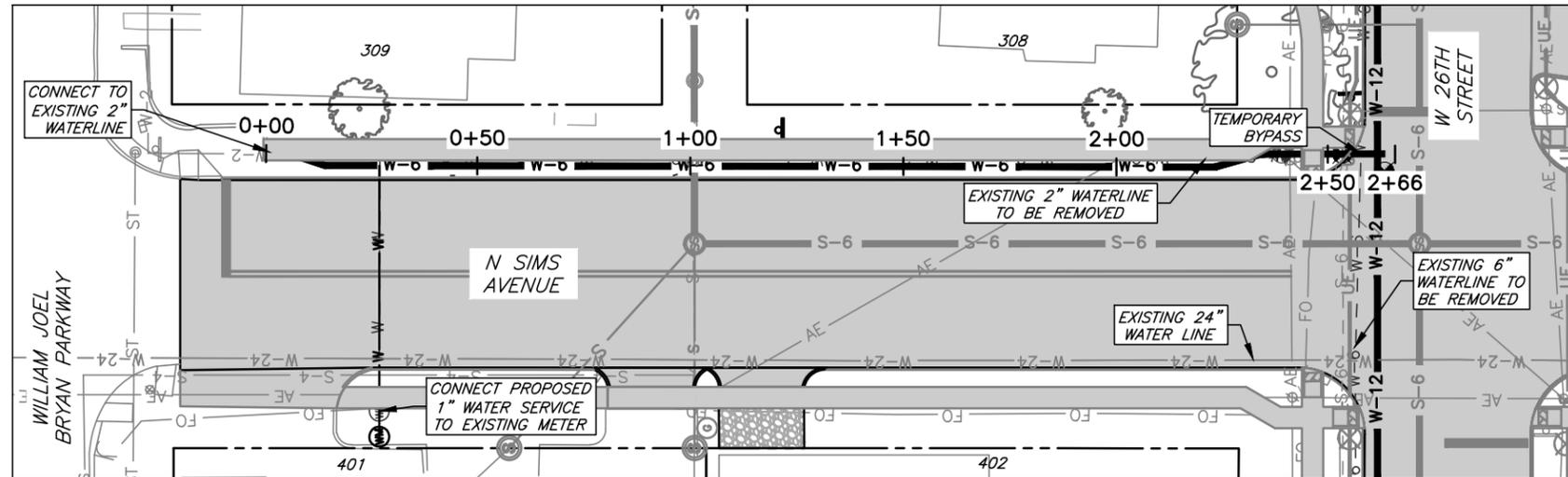
Project Name and Address:

**West 26th Street
 Rehabilitation**
 City of Bryan Project Number
 332-411-425-611-DE-0915
 Bryan, Brazos County, Texas

Date: Feb 2016
 Scale: As Noted
 Sheet: 57



Plan: Waterline "I"



Note:

- No valves, meters, fire hydrants, or blow-off assemblies are to be placed within the proposed sidewalks. Contractor to verify the location of all proposed sidewalks prior to installation of valves, meters, etc. and notify Engineer of any conflicts found. Failure to do so will result in relocation (at contractor's expense) of meters, valves, etc. prior to construction of sidewalks.
- Contractor to contact BTU for help in stabilizing power poles prior to excavating near power poles.

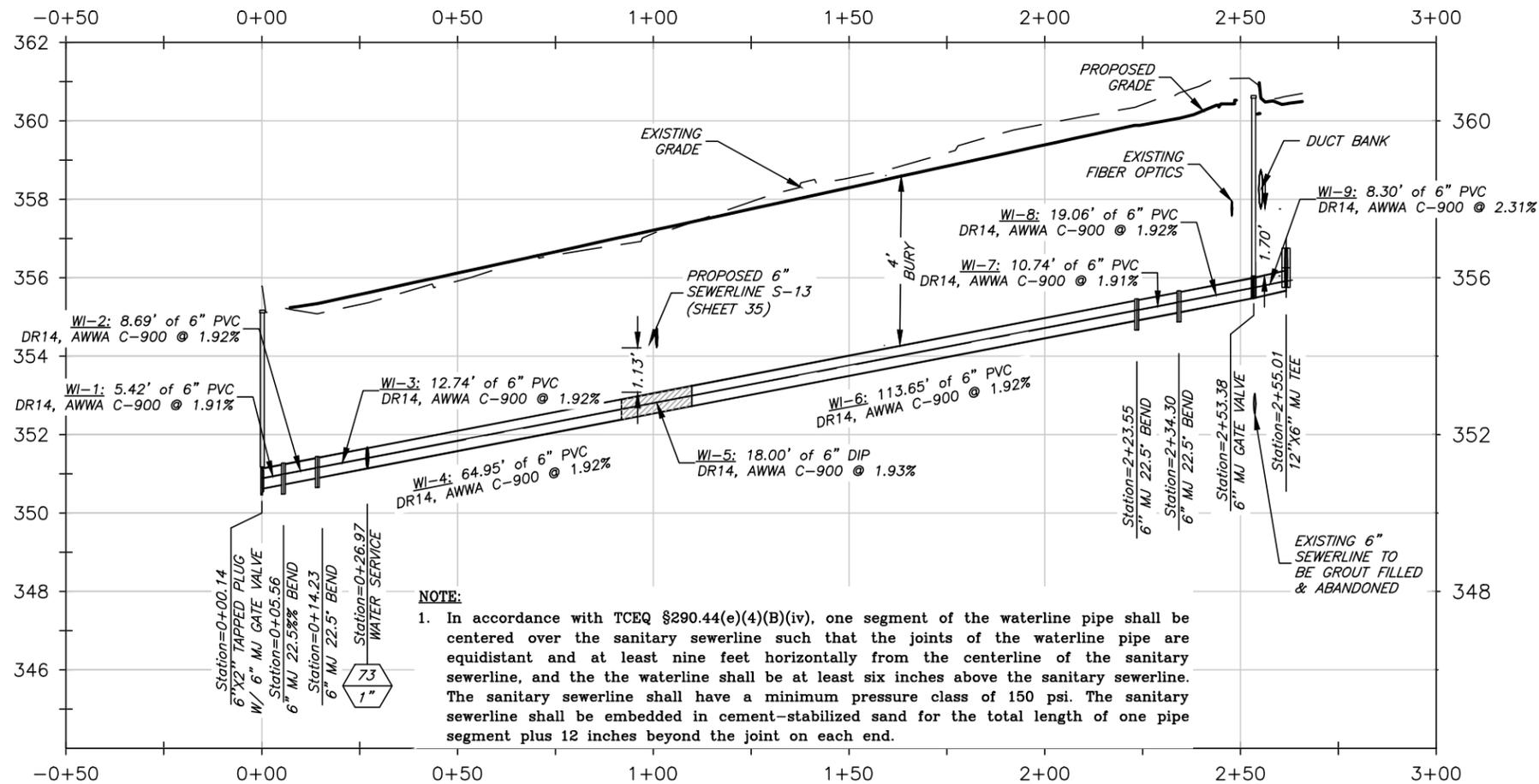
Waterline "I" Plan & Profile

General Notes:

- All construction shall be in accordance with the current BCS Standard Specifications, Details, and Design Guidelines for Water, Sewer, Streets, and Drainage, unless otherwise noted.
- It is the intent of these plans to comply with all City of Bryan guidelines, details, and specifications.
- See General Notes - pages 3&4

Profile: Waterline "I"

Profile Scale:
1" = 40' Horizontal
1" = 4' Vertical



Owner Name and Address:

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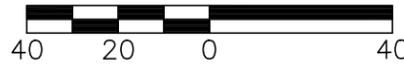
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Project Name and Address:

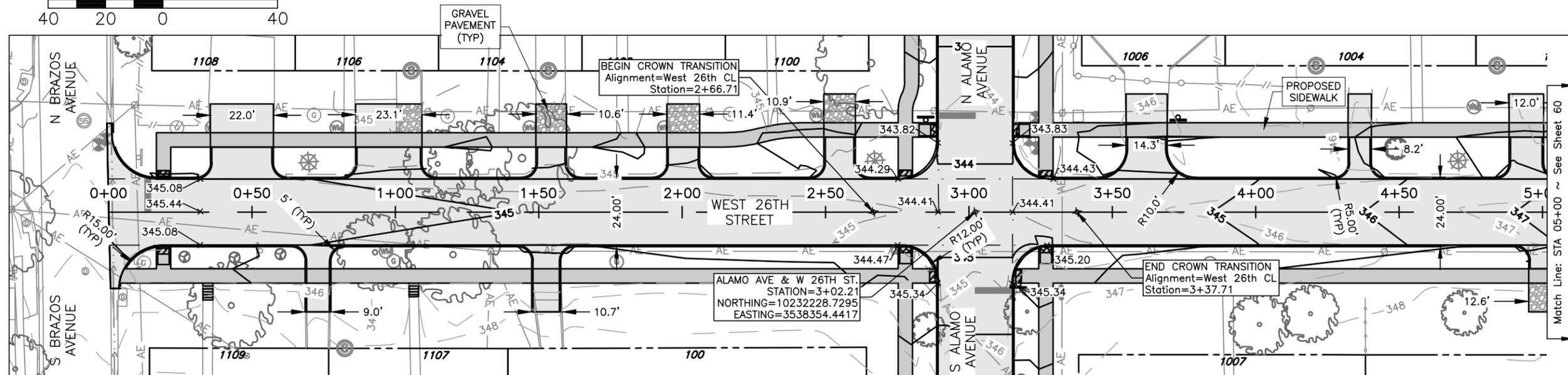
**West 26th Street
Rehabilitation**

City of Bryan Project Number
332-411-425-611-DE-0915
Bryan, Brazos County, Texas

Date: Feb 2016
Scale: As Noted
Sheet: 58

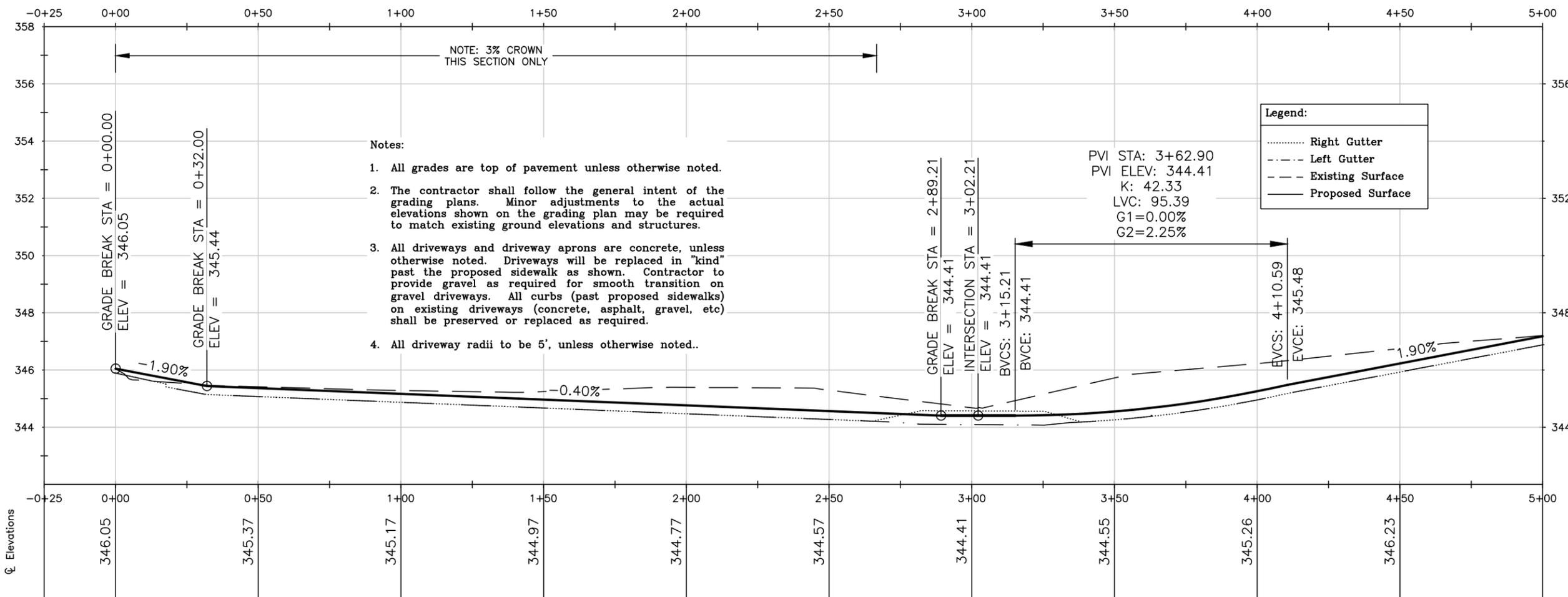


Plan: West 26th Street Sta 00+00 to 05+00



Profile Scale:
1" = 40' Horizontal
1" = 4' Vertical

Profile: West 26th Street Sta 00+00 to 05+00

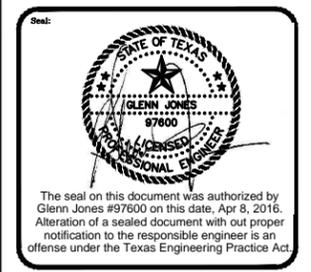
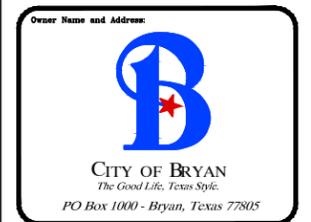


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Legend:	
.....	Right Gutter
- . - .	Left Gutter
- - - -	Existing Surface
————	Proposed Surface

West 26th Street Sta 00+00 to 05+00

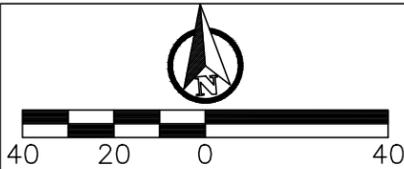
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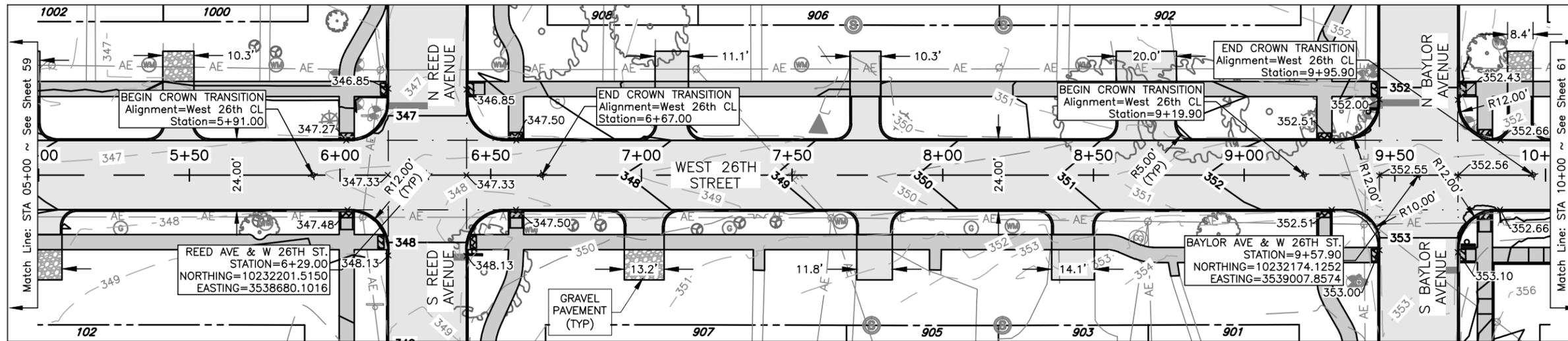
Project Name and Address:
**West 26th Street
Rehabilitation**
City of Bryan Project Number
332-411-425-611-DE-0915
Bryan, Brazos County, Texas

Date: Apr 2016
Scale: As Noted
Sheet: 59

J4 Engineering 04/06/2016 West 26th Street Corridors.dwg J4E Project # 14-038

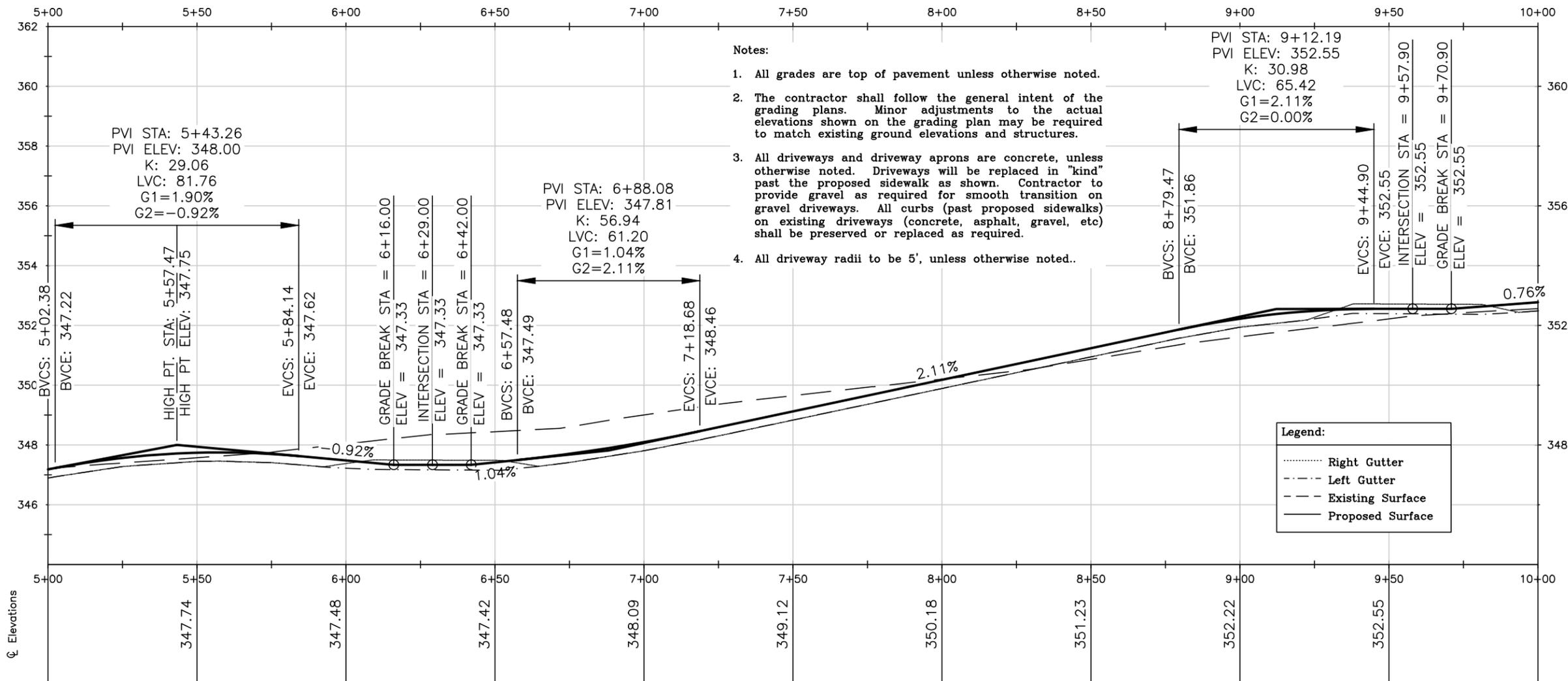


Plan: West 26th Street Sta 05+00 to 10+00



Profile: West 26th Street Sta 05+00 to 10+00

Profile Scale:
1" = 40' Horizontal
1" = 4' Vertical



West 26th Street
Sta 05+00 to
10+00

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Owner Name and Address:

CITY OF BRYAN
The Good Life, Texas Style.
PO Box 1000 - Bryan, Texas 77805

Firm Name and Address:

J4 Engineering
PO Box 5192 - Bryan, Texas - 77805
979-739-0567 www.J4Engineering.com
Firm# 9951

Seal:

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Project Name and Address:

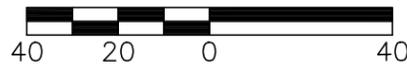
**West 26th Street
Rehabilitation**

City of Bryan Project Number
332-411-425-611-DE-0915

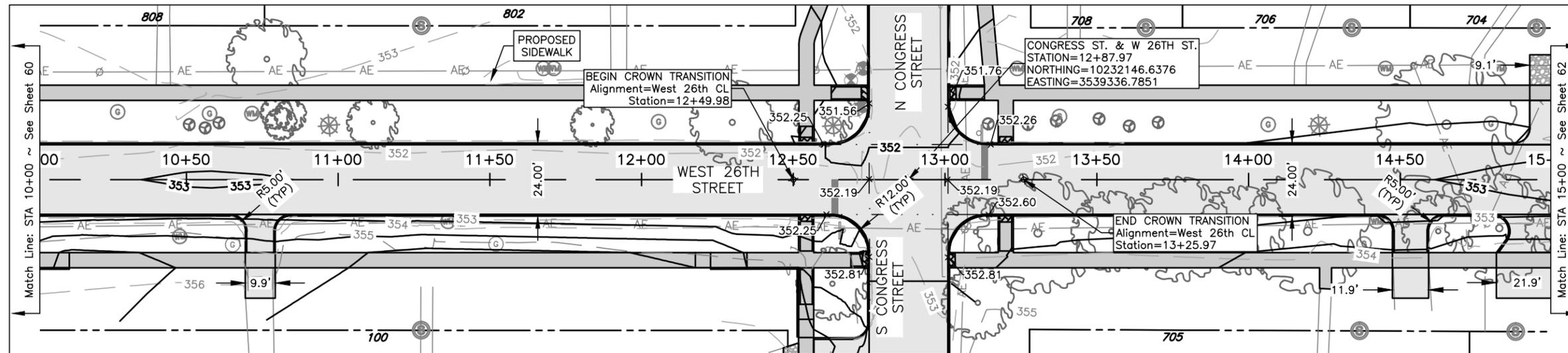
Bryan, Brazos County, Texas

Date: Apr 2016
Scale: As Noted
Sheet: 60

J4 Engineering 04/06/2016 West 26th Street Corridors.dwg J4E Project # 14-038

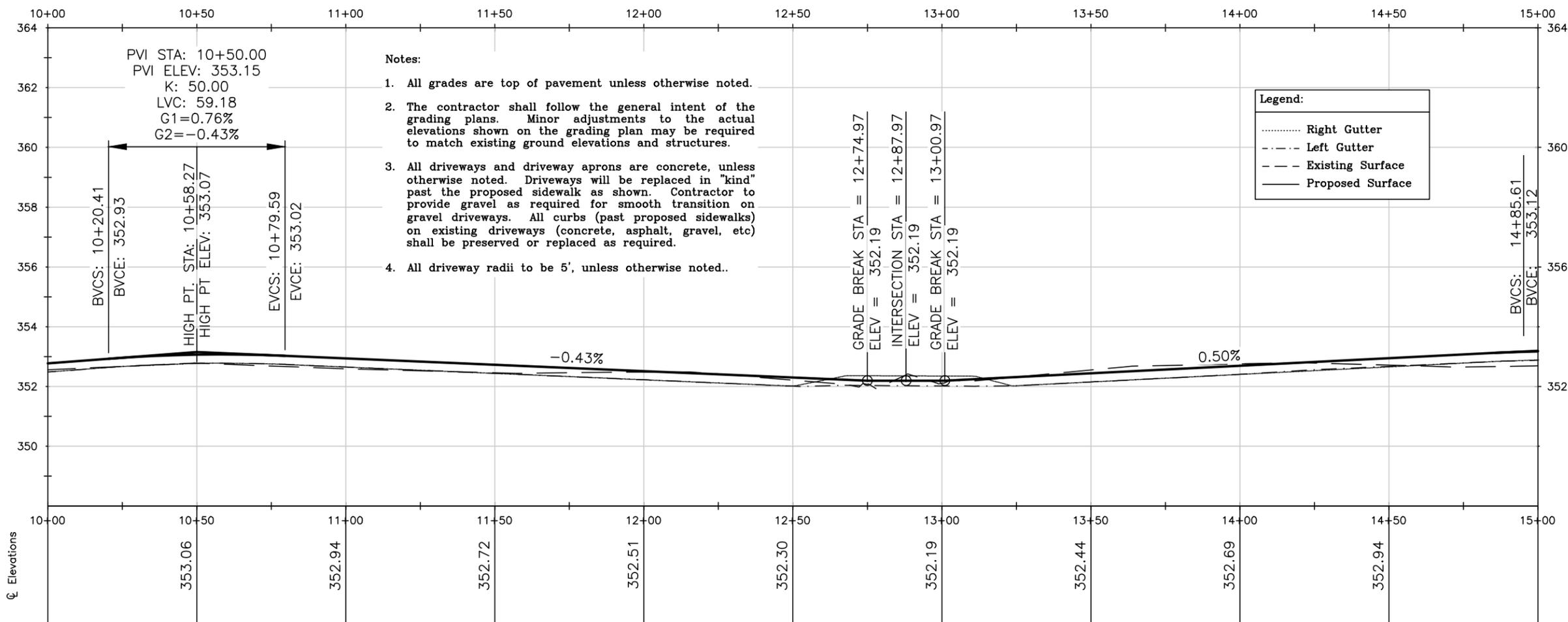


Plan: West 26th Street Sta 10+00 to 15+00



Profile Scale:
1" = 40' Horizontal
1" = 4' Vertical

Profile: West 26th Street Sta 10+00 to 15+00



West 26th Street Sta 10+00 to 15+00

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Project Name and Address:

**West 26th Street
Rehabilitation**

City of Bryan Project Number
332-411-425-611-DE-0915

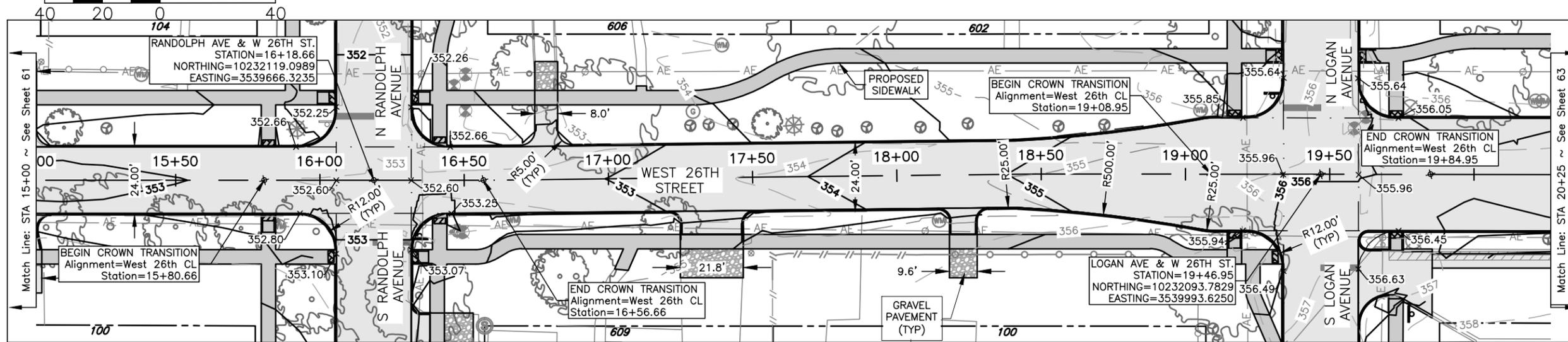
Bryan, Brazos County, Texas

Date: Apr 2016
Scale: As Noted
Sheet: 61

J4 Engineering 04/06/2016 West 26th Street Corridors.dwg J4E Project # 14-038

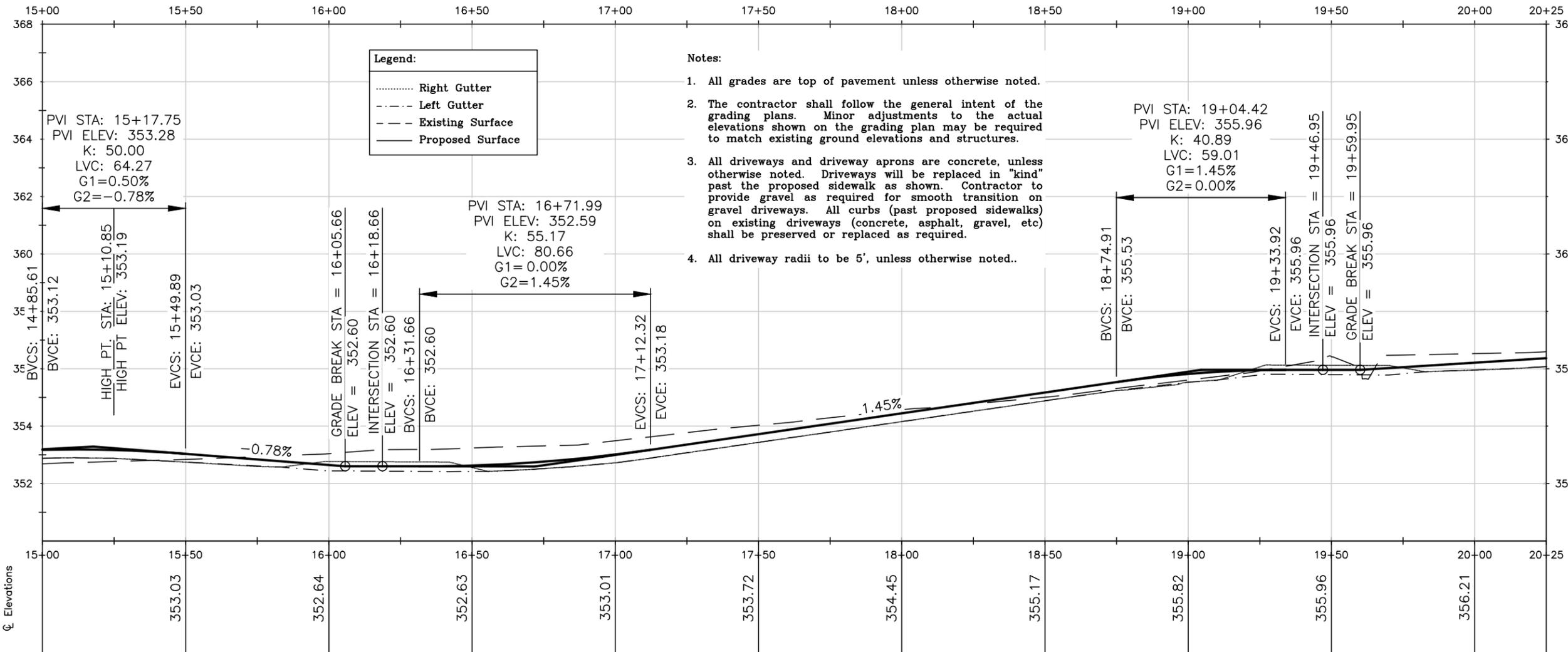


Plan: West 26th Street Sta 15+00 to 20+00



Profile Scale:
1" = 40' Horizontal
1" = 4' Vertical

Profile: West 26th Street Sta 15+00 to 20+00

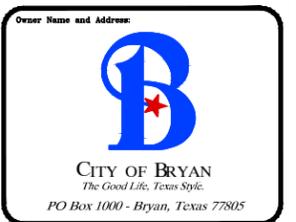


Legend:	
.....	Right Gutter
- . - . -	Left Gutter
- - -	Existing Surface
—————	Proposed Surface

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West 26th Street Sta 15+00 to 20+00

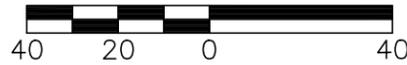
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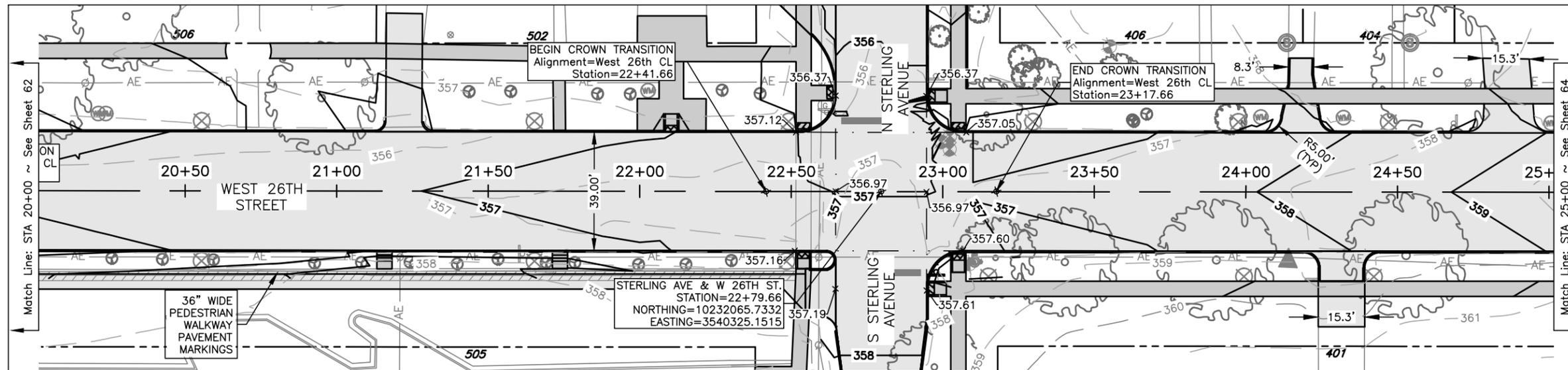
Project Name and Address:
**West 26th Street
Rehabilitation**
City of Bryan Project Number
332-411-425-611-DE-0915
Bryan, Brazos County, Texas

Date: Apr 2016
Scale: As Noted
Sheet: 62

J4 Engineering 04/06/2016 West 26th Street Corridors.dwg J4E Project # 14-038

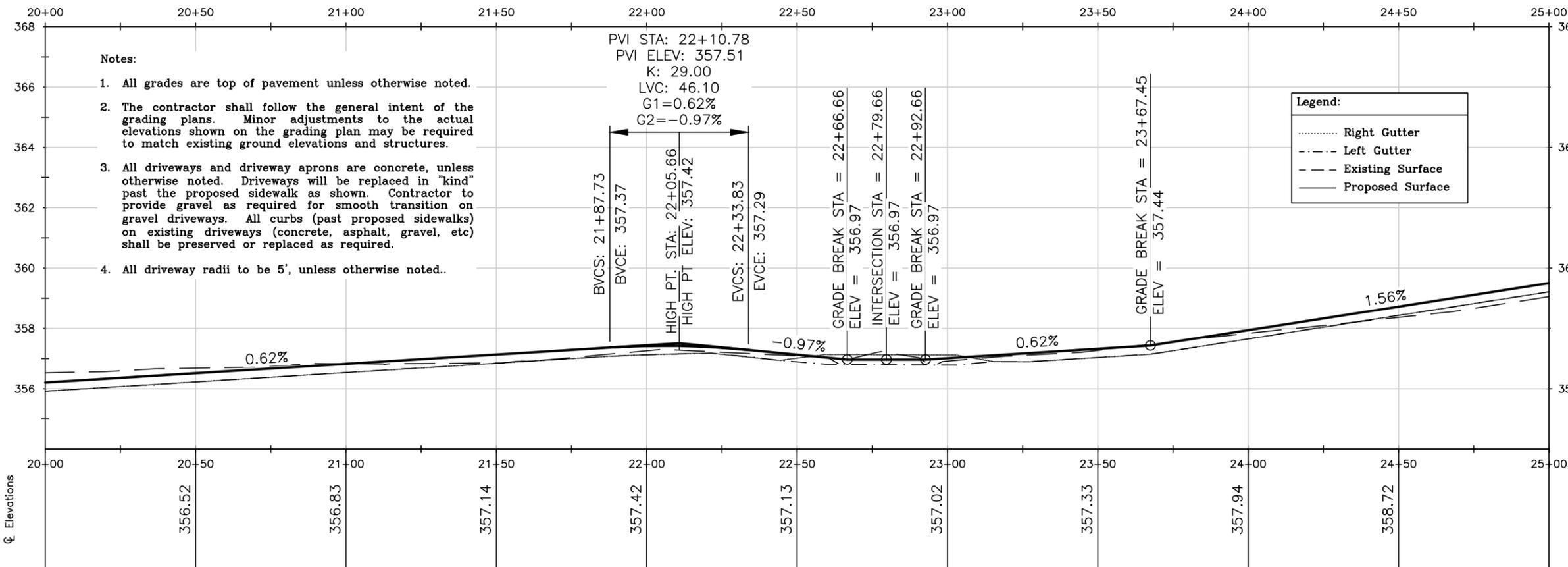


Plan: West 26th Street Sta 20+00 to 25+00



Profile: West 26th Street Sta 20+00 to 25+00

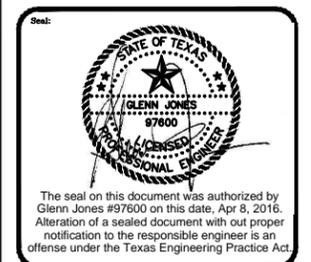
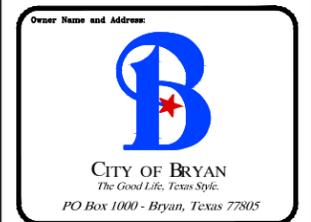
Profile Scale:
1" = 40' Horizontal
1" = 4' Vertical



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West 26th Street Sta 20+00 to 25+00

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Project Name and Address:
**West 26th Street
Rehabilitation**
City of Bryan Project Number
332-411-425-611-DE-0915
Bryan, Brazos County, Texas

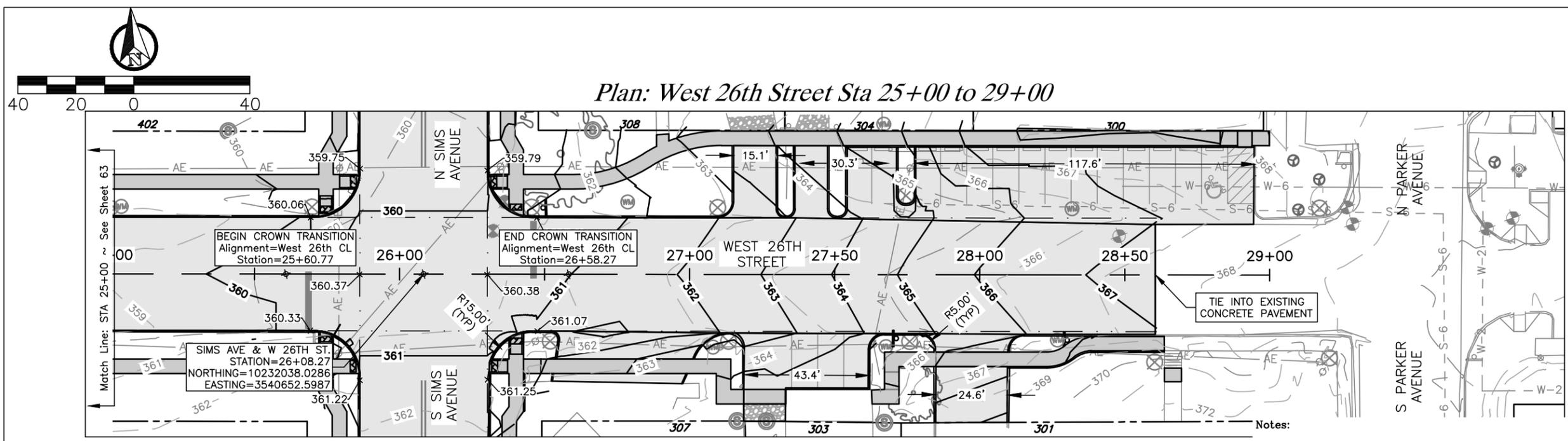
Date: Apr 2016
Scale: As Noted
Sheet: 63

**West 26th Street
Sta 25+00 to
29+00**

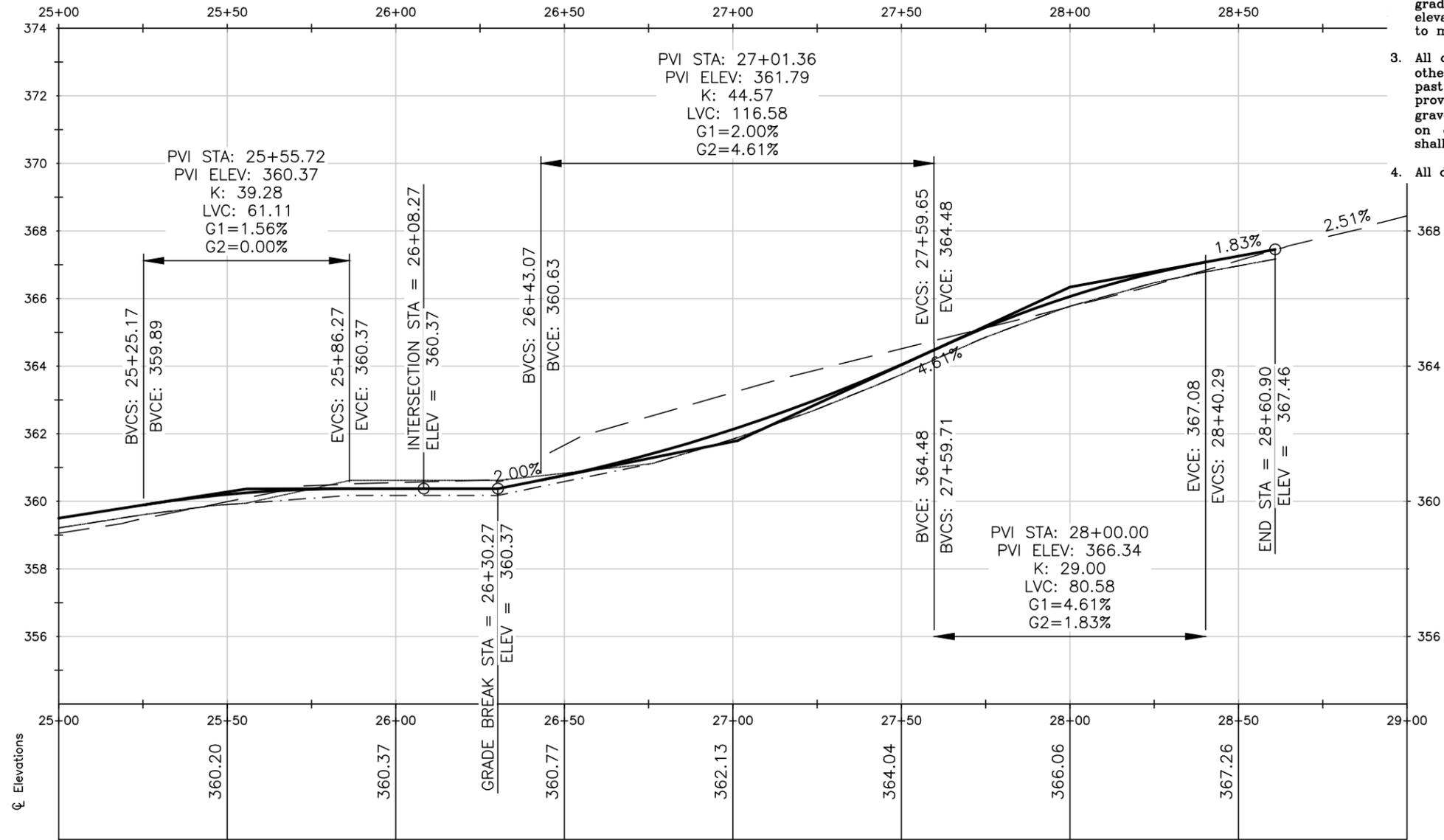
General Notes:

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Plan: West 26th Street Sta 25+00 to 29+00



Profile: West 26th Street Sta 25+00 to 29+00



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Legend:

- Right Gutter
- Left Gutter
- Existing Surface
- Proposed Surface

J4 Engineering 04/06/2016 West 26th Street Corridors.dwg J4E Project # 14-038

Owner Name and Address:



CITY OF BRYAN
The Good Life, Texas Style.
PO Box 1000 - Bryan, Texas 77805

Firm Name and Address:



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979-739-0567 www.J4Engineering.com
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Project Name and Address:

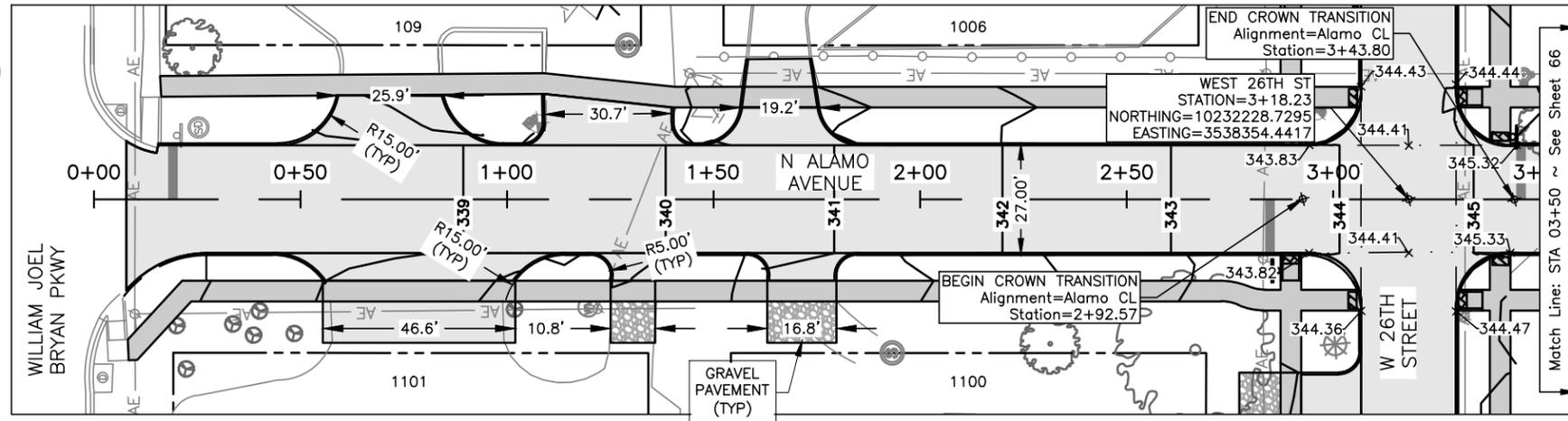
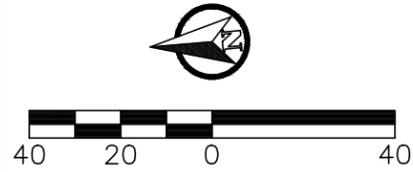
**West 26th Street
Rehabilitation**

City of Bryan Project Number
332-411-425-611-DE-0915

Bryan, Brazos County, Texas

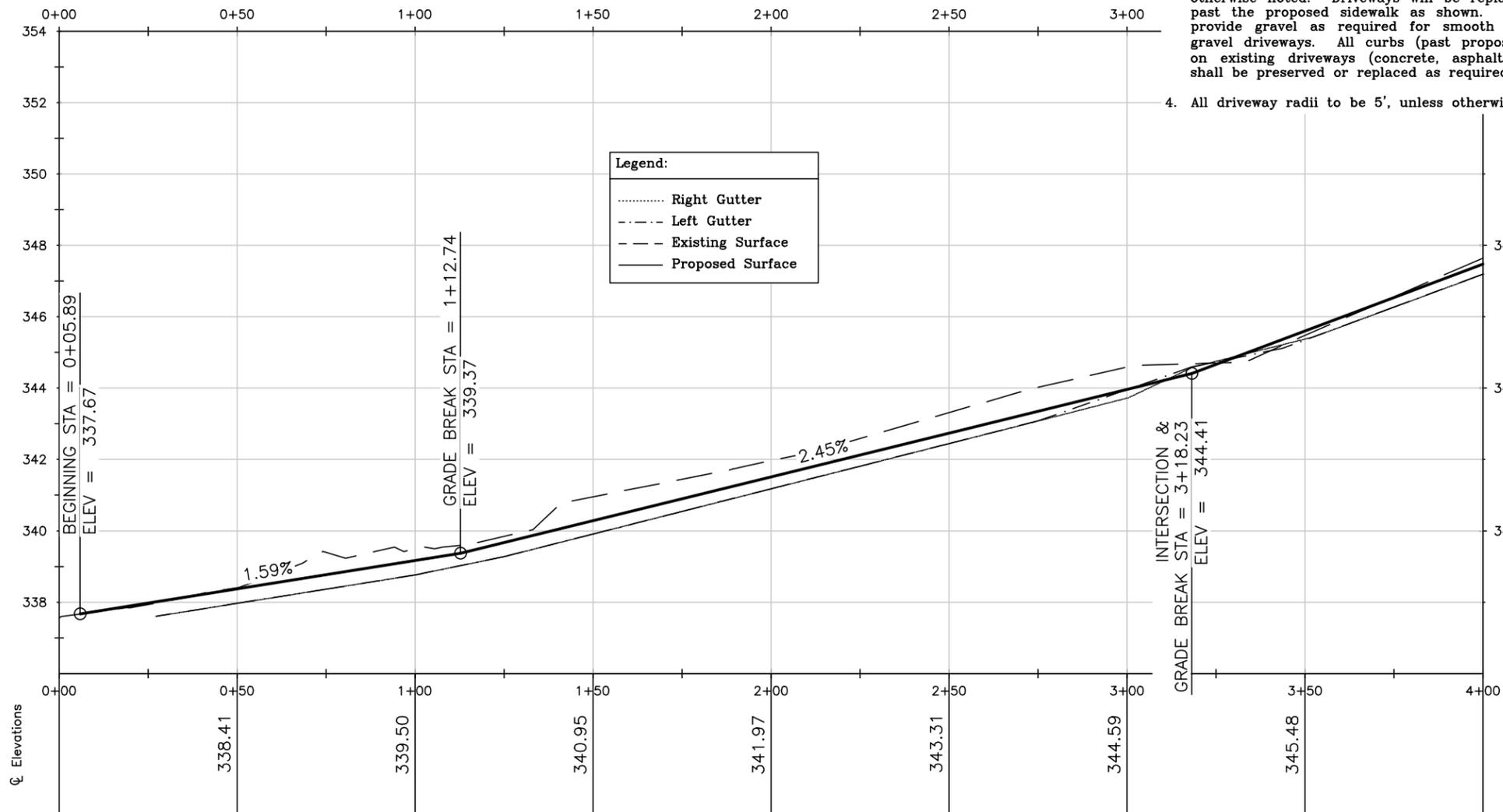
Date: Apr 2016	Sheet: 64
Scale: As Noted	

Plan: Alamo Avenue Sta 00+00 to 03+50



Profile Scale:
 1" = 40' Horizontal
 1" = 4' Vertical

Profile: Alamo Avenue Sta 00+00 to 03+50



Notes:

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Alamo Avenue
 Sta 00+00 to
 03+50

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 Firm# 9951

Seal:

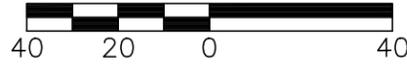
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Project Name and Address:

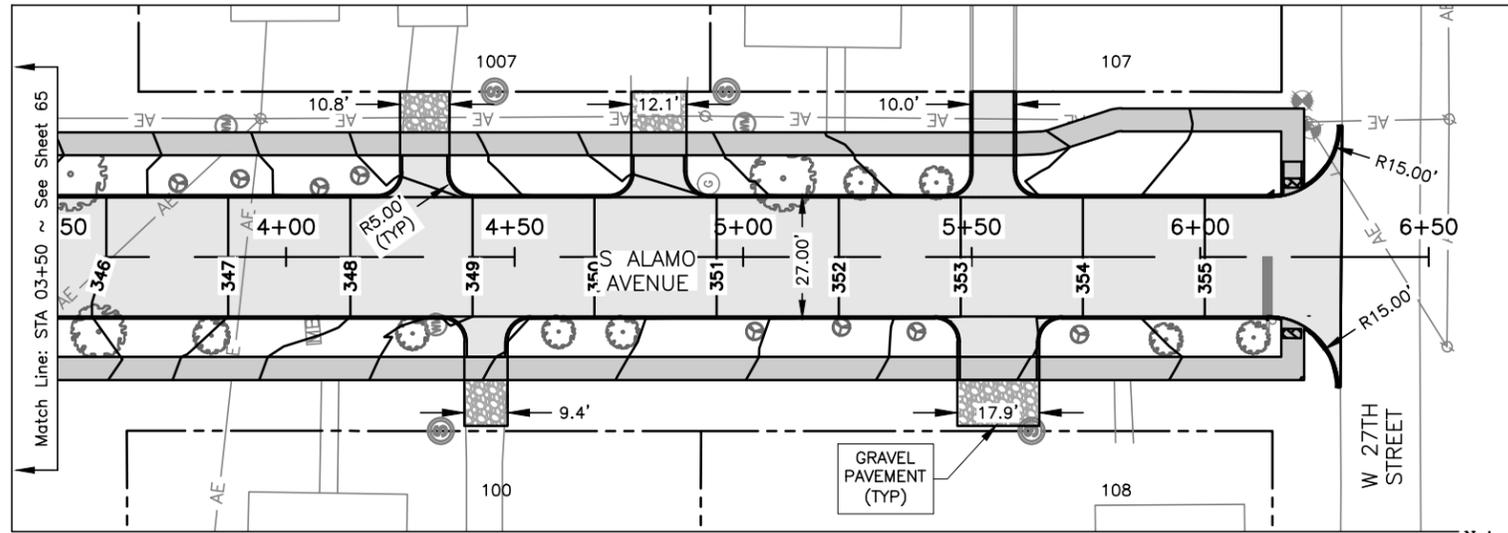
**West 26th Street
 Rehabilitation**

City of Bryan Project Number
 332-411-425-611-DE-0915
 Bryan, Brazos County, Texas

Date: Apr 2016
 Scale: As Noted
 Sheet: 65

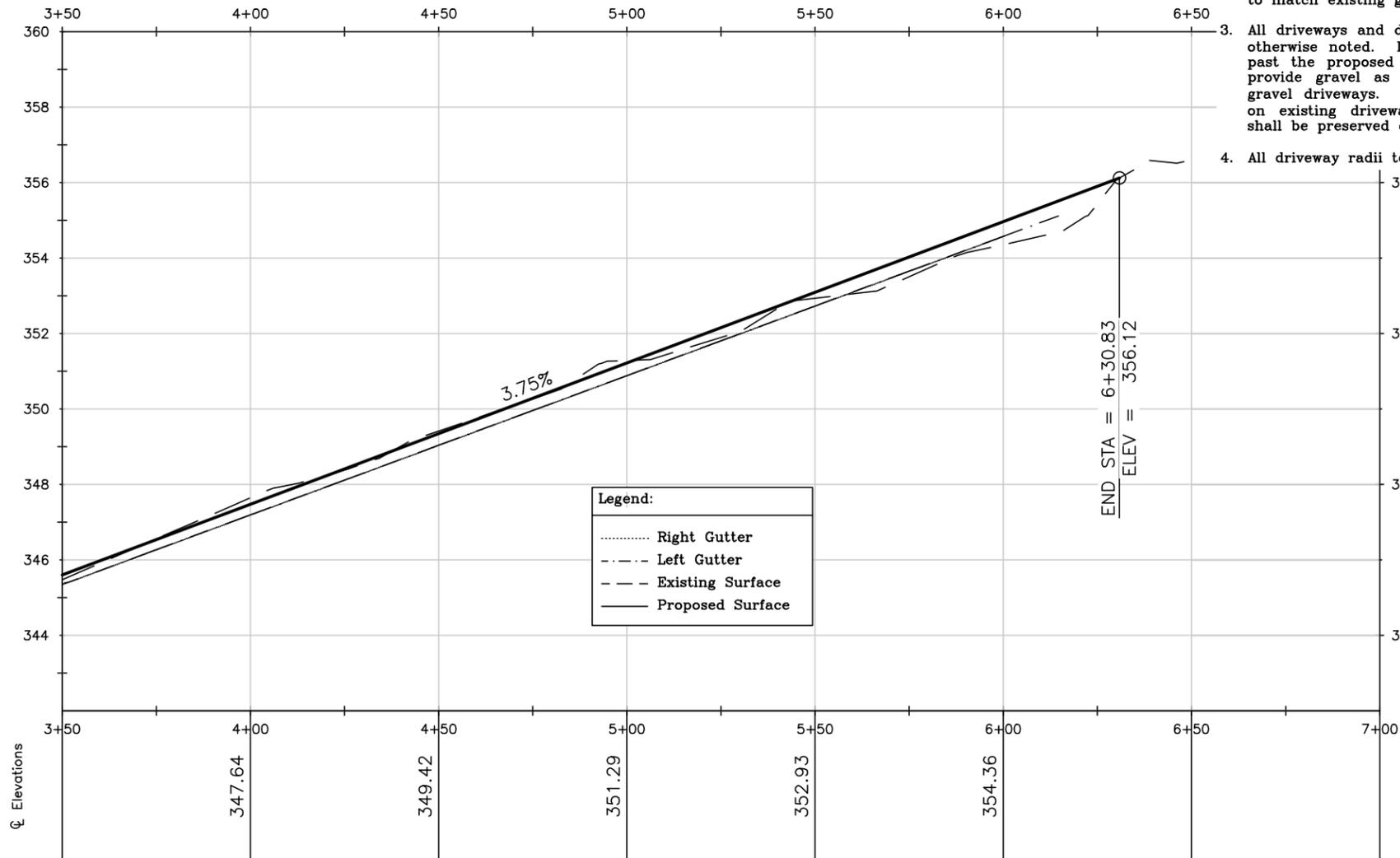


Plan: Alamo Avenue Sta 03+50 to 06+50



Profile Scale:
1" = 40' Horizontal
1" = 4' Vertical

Profile: Alamo Avenue Sta 03+50 to 06+50



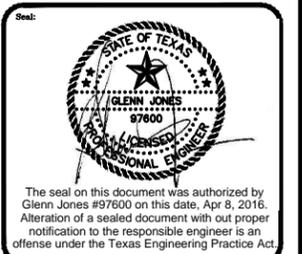
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Alamo Avenue Sta 03+50 to 06+50

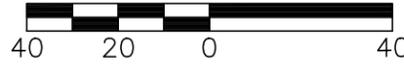
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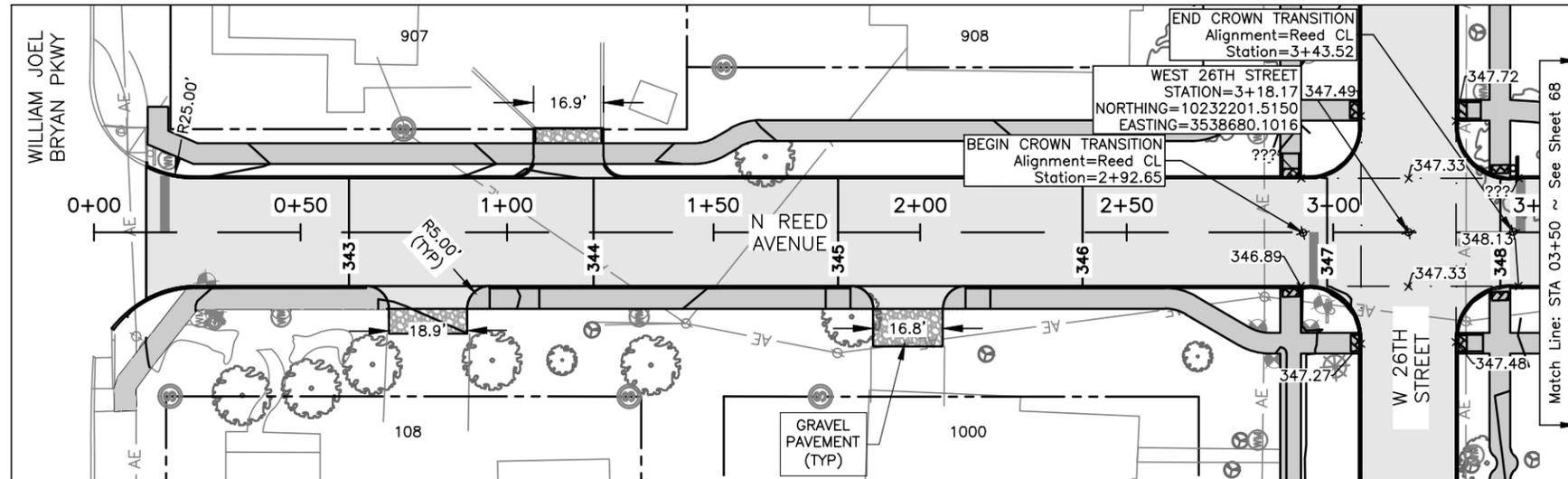


Project Name and Address:
**West 26th Street
Rehabilitation**
City of Bryan Project Number
332-411-425-611-DE-0915
Bryan, Brazos County, Texas

Date: Apr 2016
Scale: As Noted
Sheet: 66



Plan: Reed Avenue Sta 00+00 to 03+50



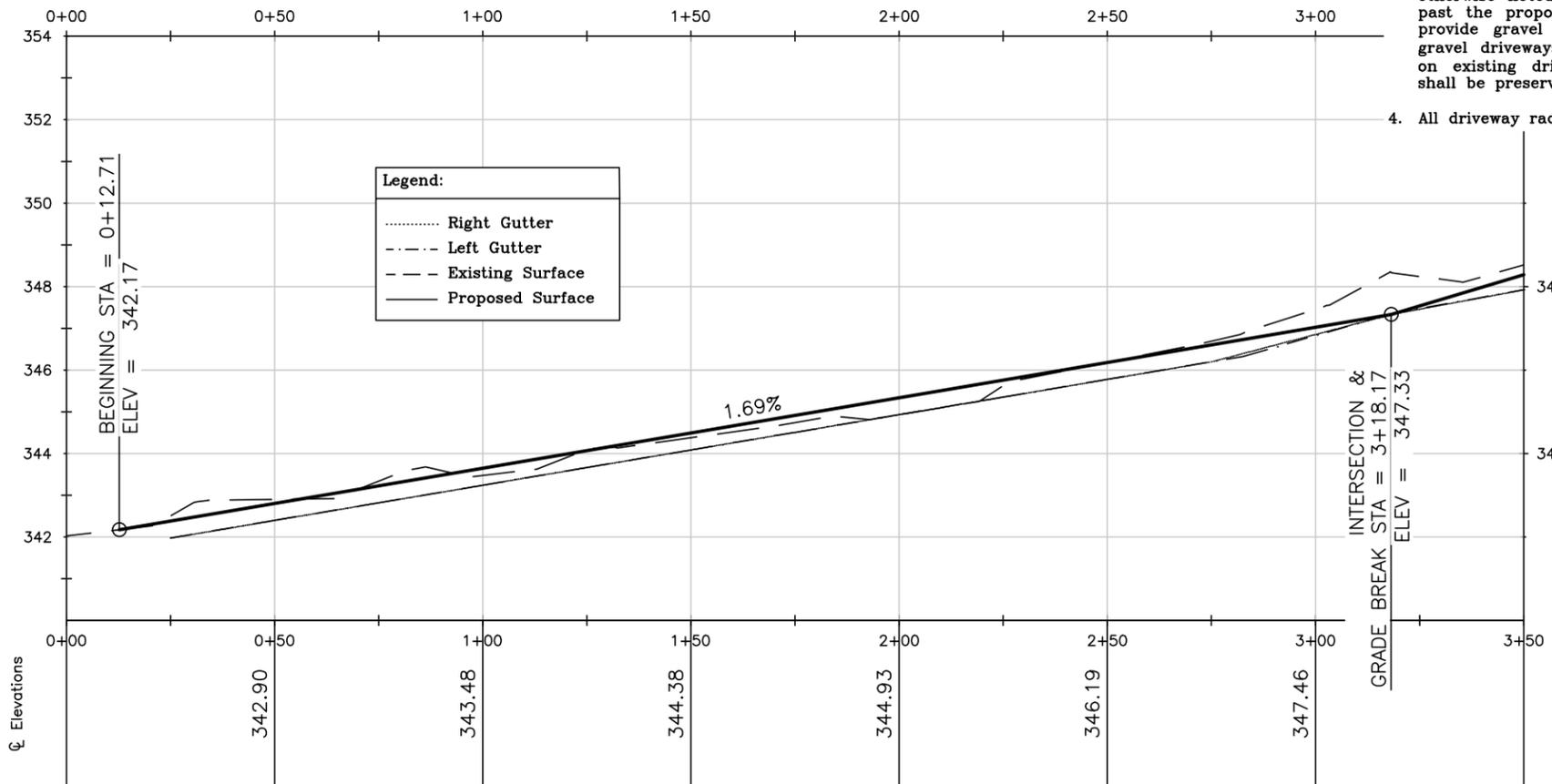
J4E Project # 14-038

04/06/2016 West 26th Street Corridors.dwg

J4 Engineering

Profile Scale:
1" = 40' Horizontal
1" = 4' Vertical

Profile: Reed Avenue Sta 00+00 to 03+50



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Reed Avenue Sta 00+00 to 03+50

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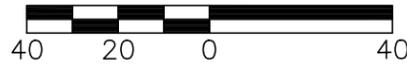
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Project Name and Address:

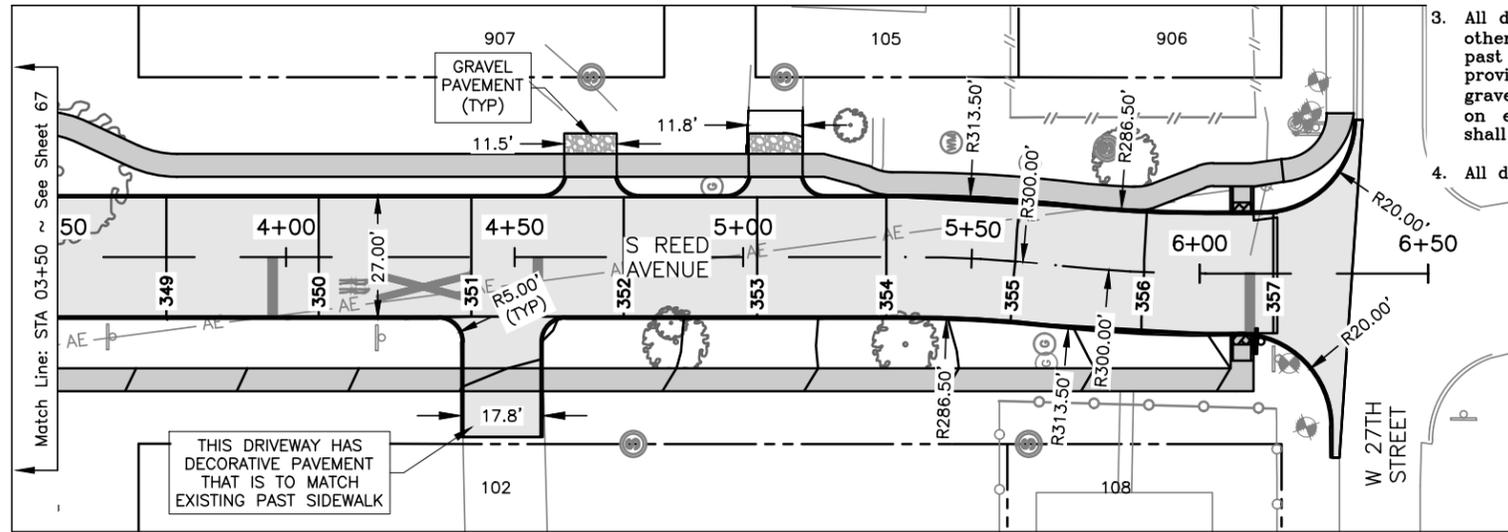
**West 26th Street
Rehabilitation**

City of Bryan Project Number
332-411-425-611-DE-0915
Bryan, Brazos County, Texas

Date: Apr 2016	Sheet:
Scale: As Noted	67



Plan: Reed Avenue Sta 03+50 to 06+50



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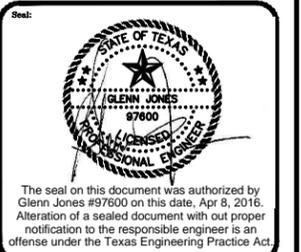
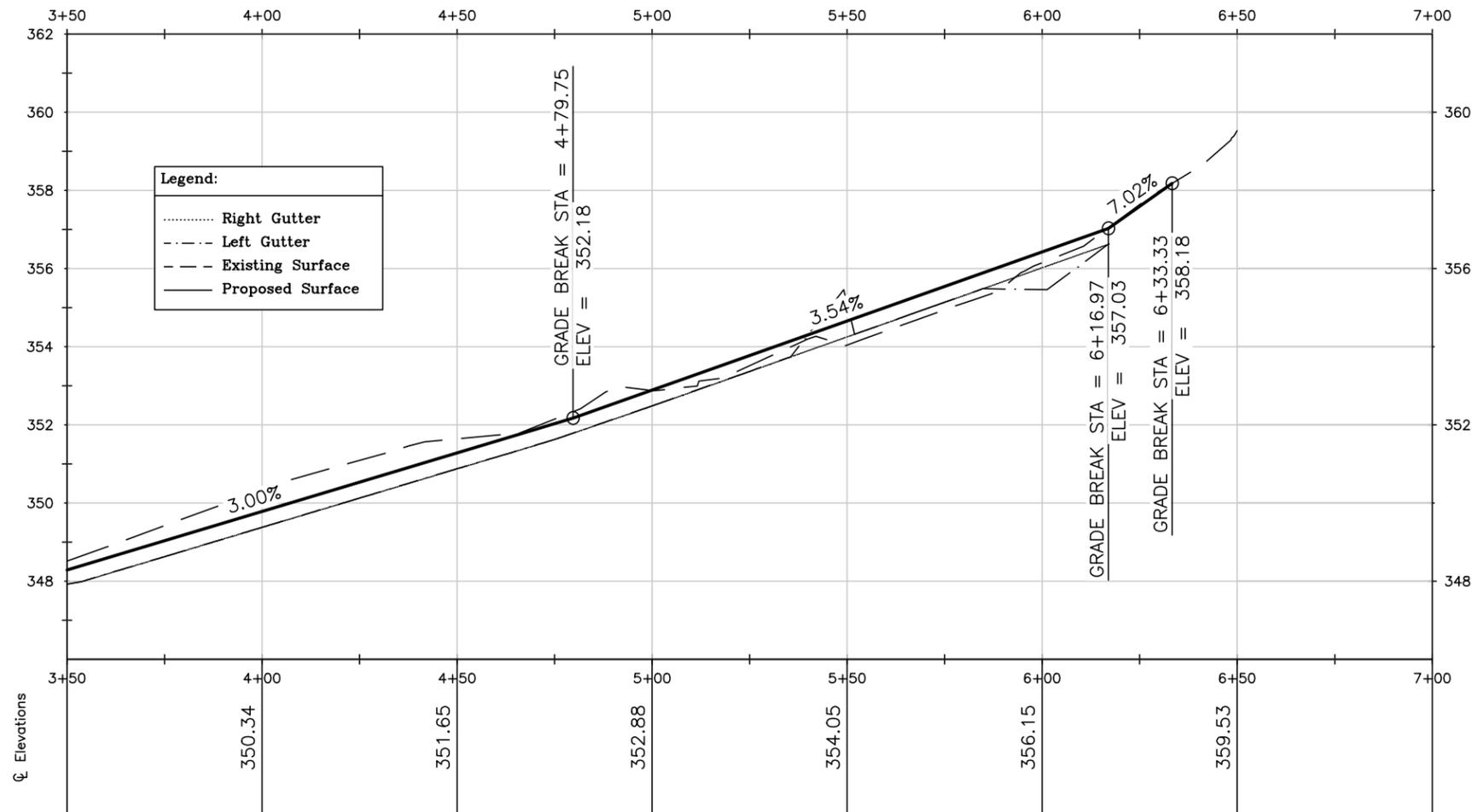
Reed Avenue Sta 03+50 to 06+50

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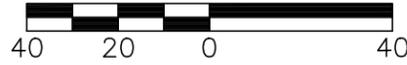
Profile Scale:
 1" = 40' Horizontal
 1" = 4' Vertical

Profile: Reed Avenue Sta 03+50 to 06+50

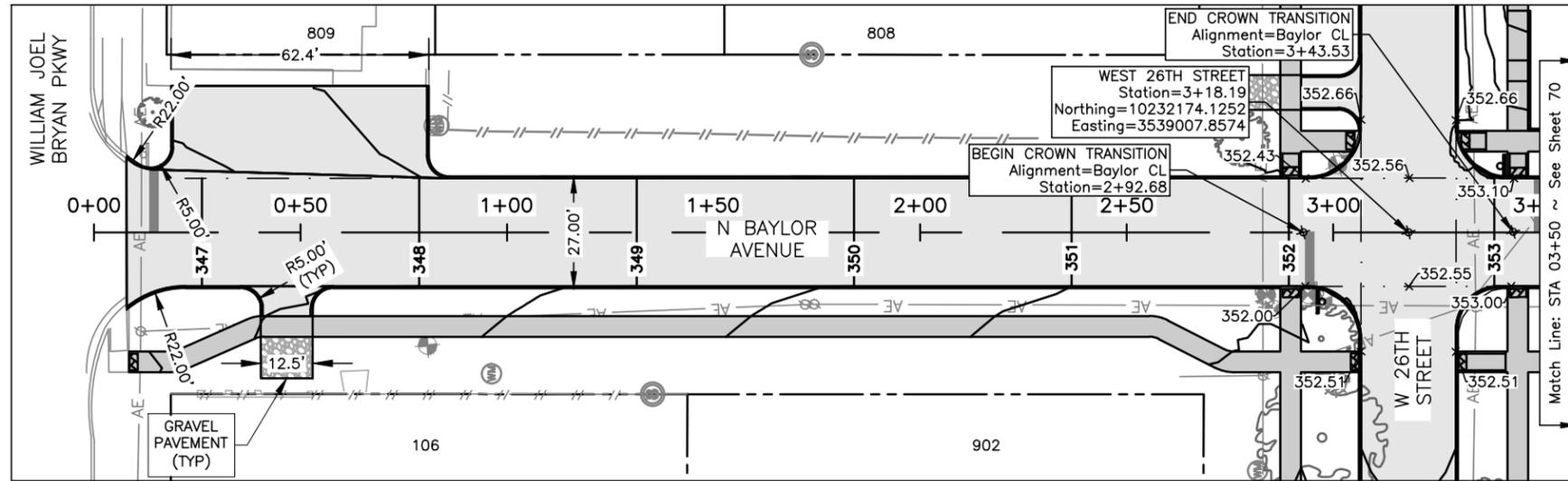


Project Name and Address:
West 26th Street Rehabilitation
 City of Bryan Project Number
 332-411-425-611-DE-0915
 Bryan, Brazos County, Texas

Date: Apr 2016
 Scale: As Noted
 Sheet: 68

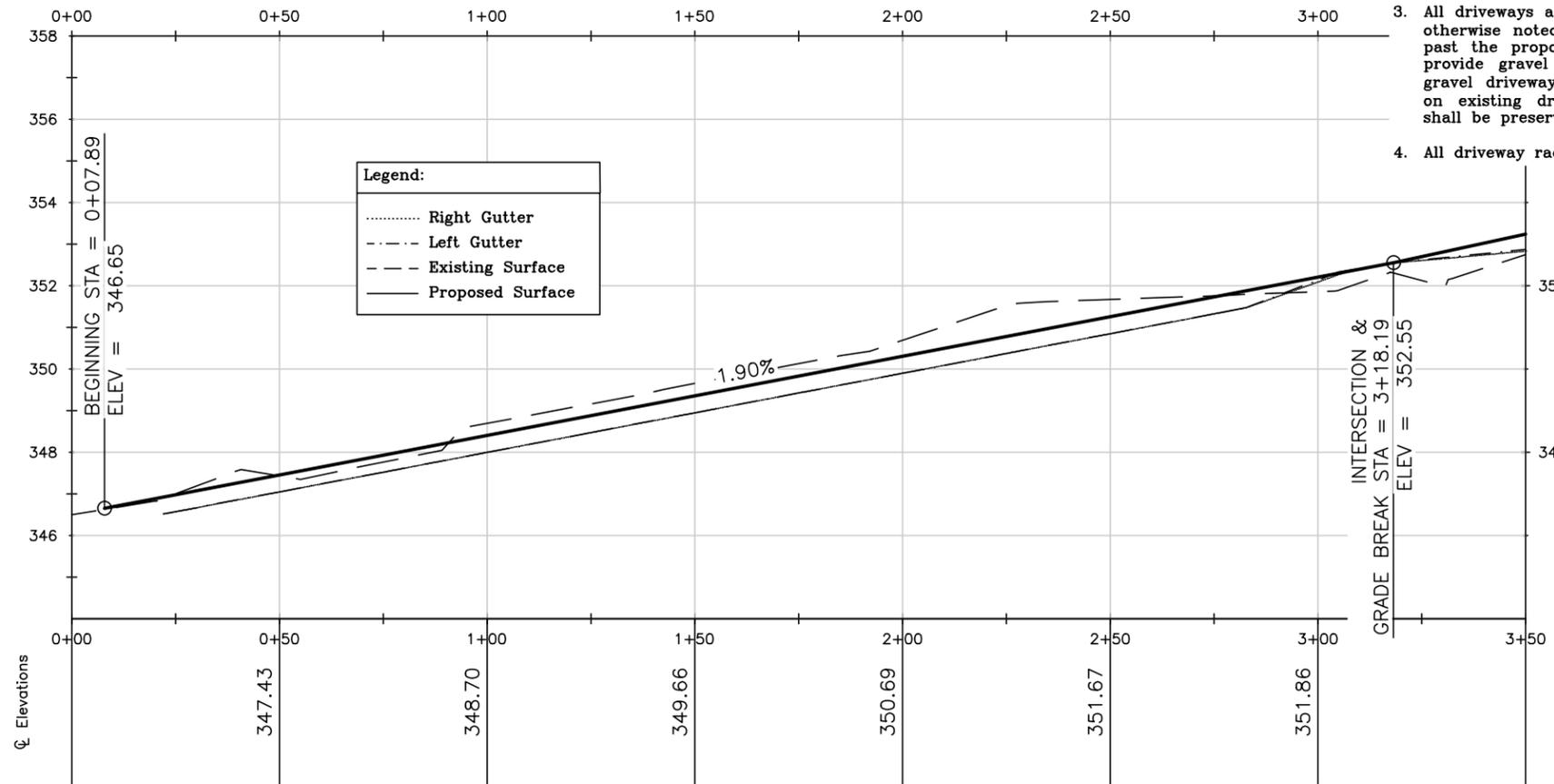


Plan: Baylor Avenue Sta 00+00 to 03+50



Profile: Baylor Avenue Sta 00+00 to 03+50

Profile Scale:
1" = 40' Horizontal
1" = 4' Vertical



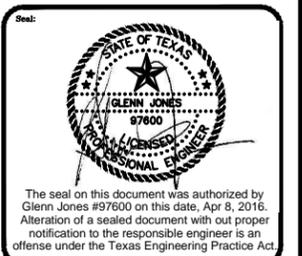
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Baylor Avenue Sta 00+00 to 03+50

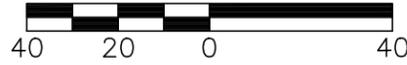
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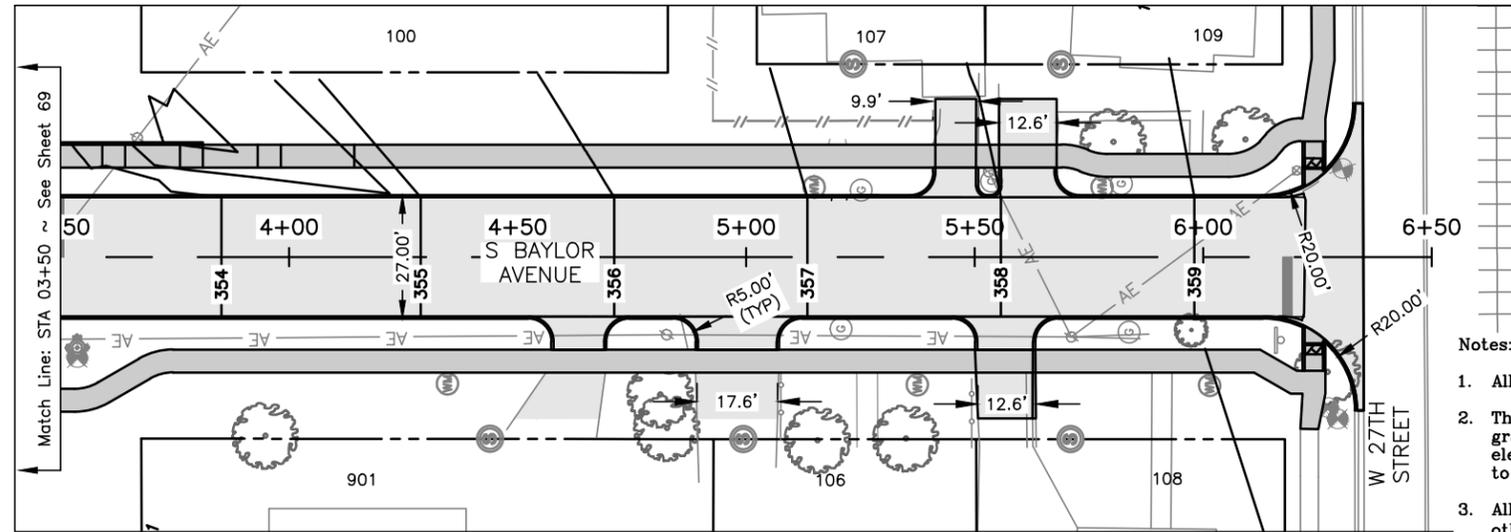


Project Name and Address:
**West 26th Street
Rehabilitation**
City of Bryan Project Number
332-411-425-611-DE-0915
Bryan, Brazos County, Texas

Date: Apr 2016
Scale: As Noted
Sheet: 69

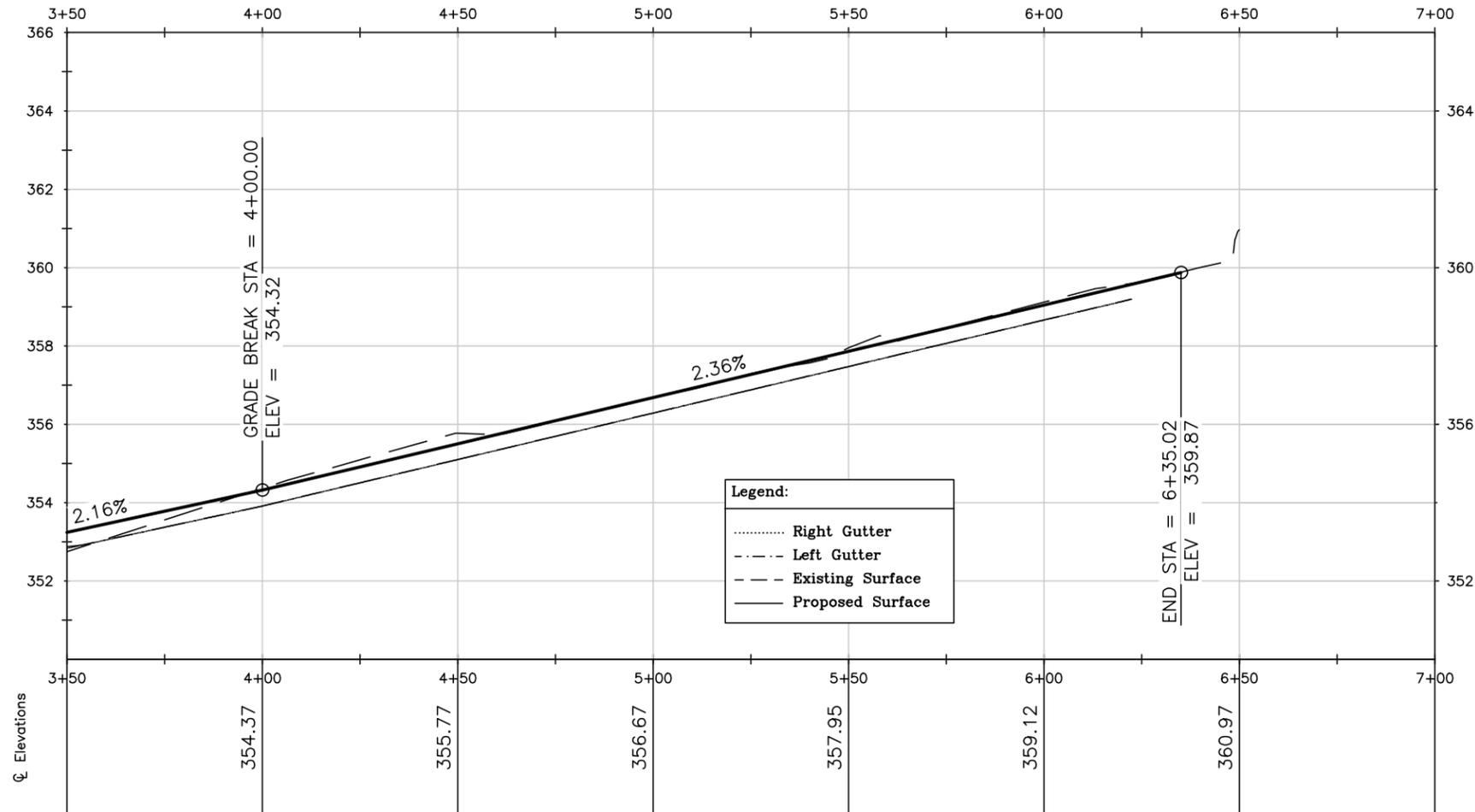


Plan: Baylor Avenue Sta 03+50 to 06+50



Profile Scale:
1" = 40' Horizontal
1" = 4' Vertical

Profile: Baylor Avenue Sta 03+50 to 06+50



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Baylor Avenue Sta 03+50 to 06+50

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Owner Name and Address:



Firm Name and Address:



Seal:



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Project Name and Address:

**West 26th Street
Rehabilitation**
City of Bryan Project Number
332-411-425-611-DE-0915
Bryan, Brazos County, Texas

Date:

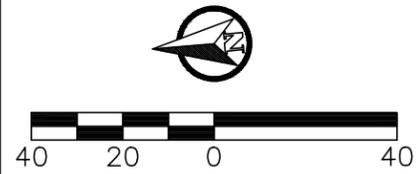
Apr 2016

Scale:

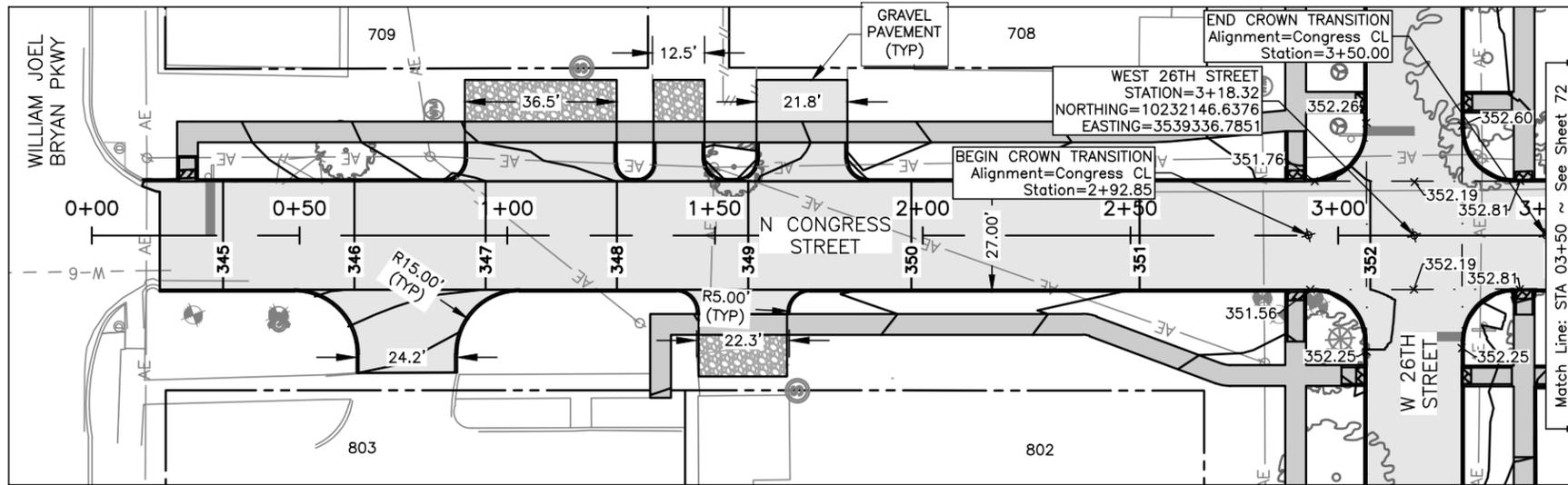
As Noted

Sheet:

70

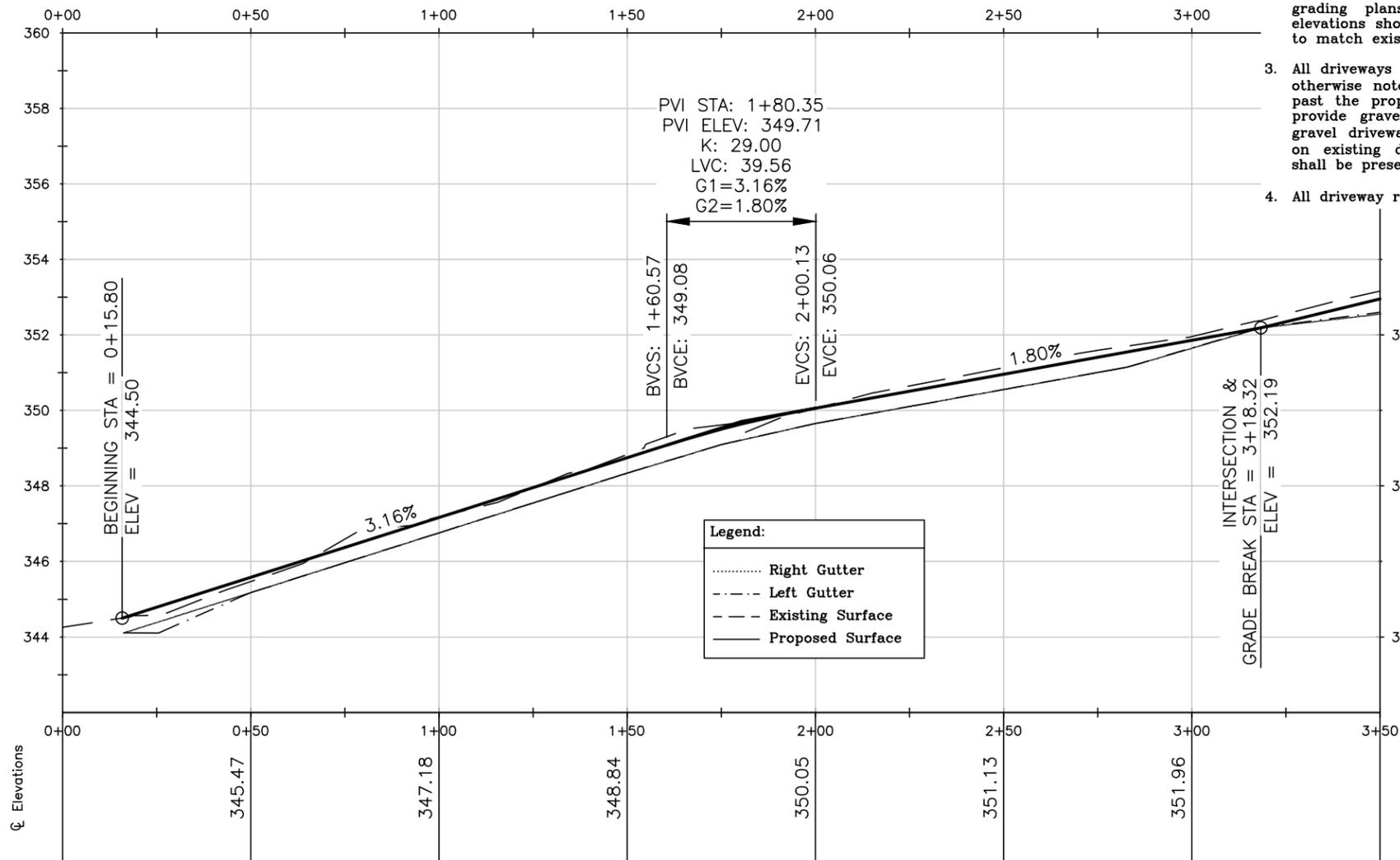


Plan: Congress Street Sta 00+00 to 03+50



Profile Scale:
 1" = 40' Horizontal
 1" = 4' Vertical

Profile: Congress Street Sta 00+00 to 03+50



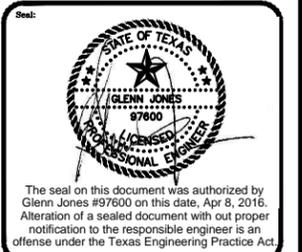
Notes:

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Congress Street
 Sta 00+00 to
 03+50

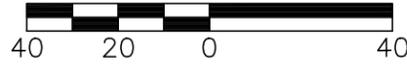
General Notes:

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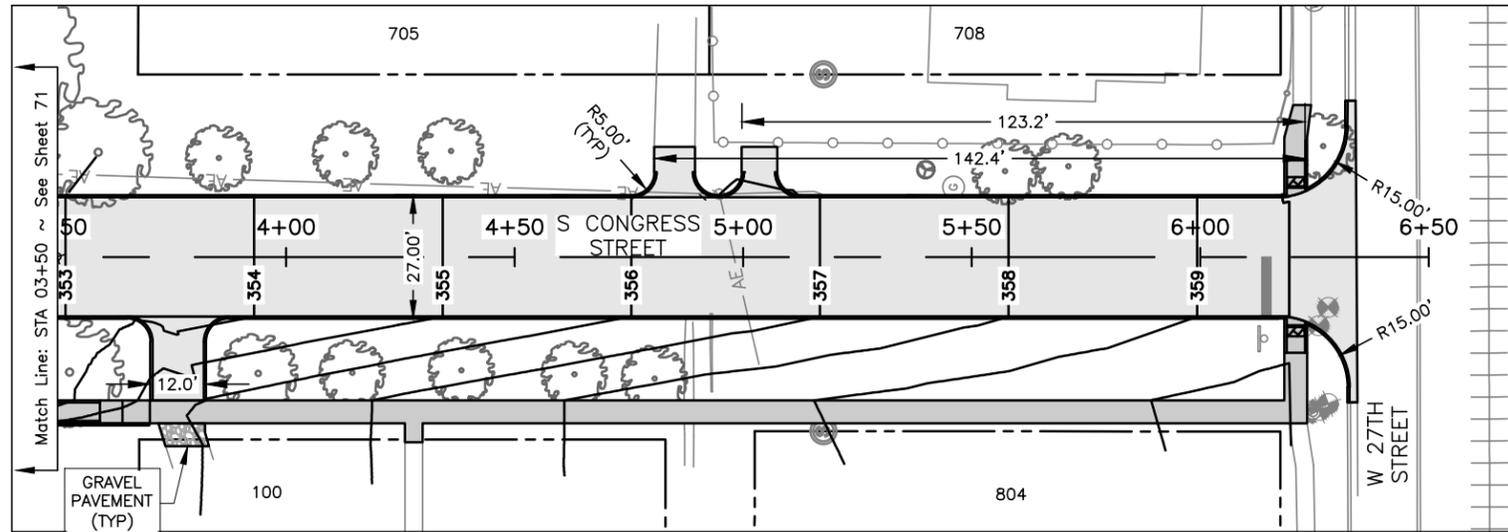


Project Name and Address:
West 26th Street Rehabilitation
 City of Bryan Project Number
 332-411-425-611-DE-0915
 Bryan, Brazos County, Texas

Date: Apr 2016
 Scale: As Noted
 Sheet: 71

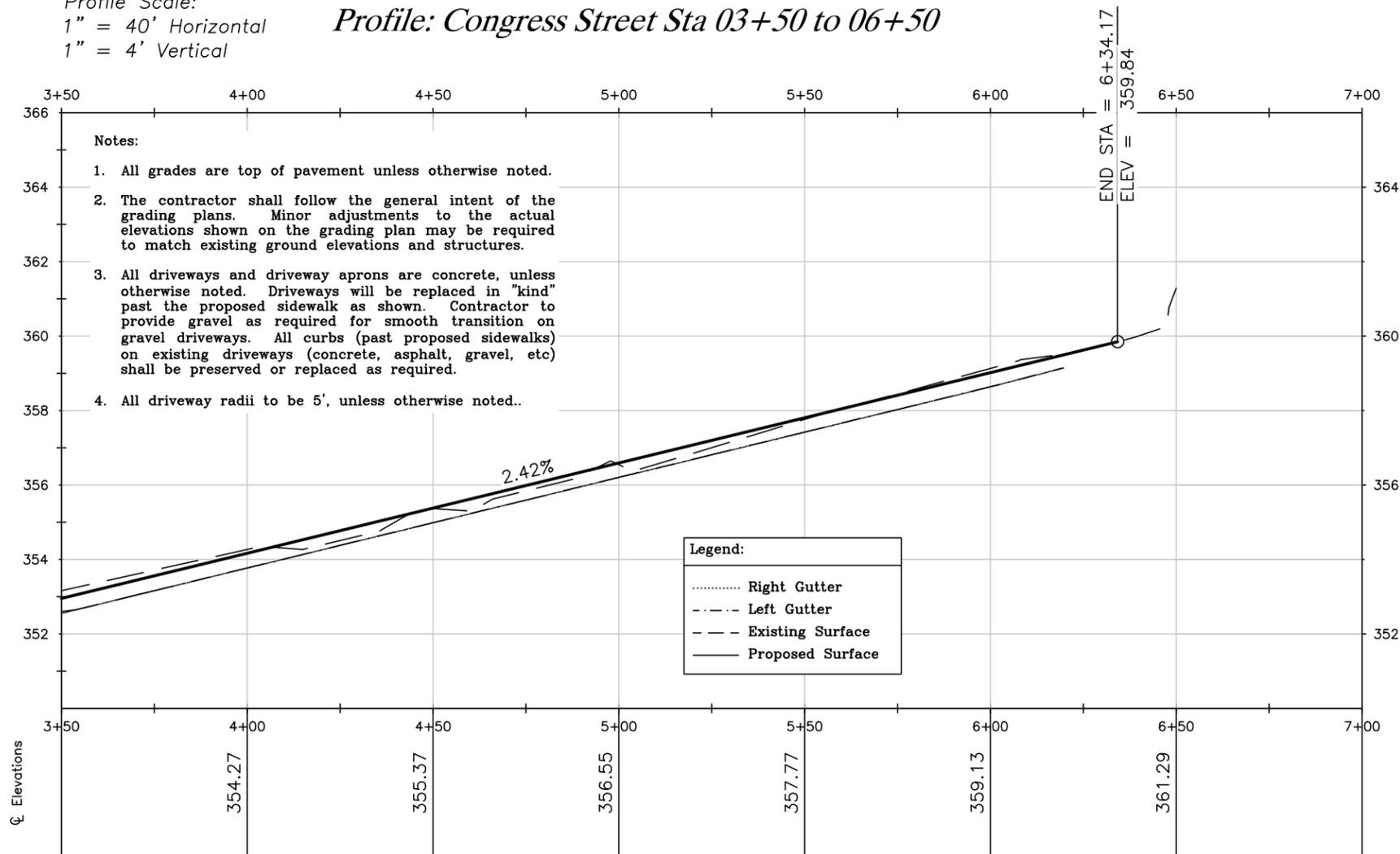


Plan: Congress Street Sta 03+50 to 06+50



Profile Scale:
1" = 40' Horizontal
1" = 4' Vertical

Profile: Congress Street Sta 03+50 to 06+50



Congress Street Sta 03+50 to 06+50

General Notes:

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Owner Name and Address:



CITY OF BRYAN
The Good Life, Texas Style.
PO Box 1000 - Bryan, Texas 77805

Firm Name and Address:



J4 Engineering
PO Box 5192 - Bryan, Texas - 77805
979-739-0567 www.J4Engineering.com
Firm# 9951

Seal:



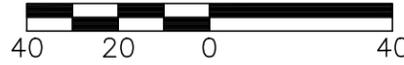
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Project Name and Address:

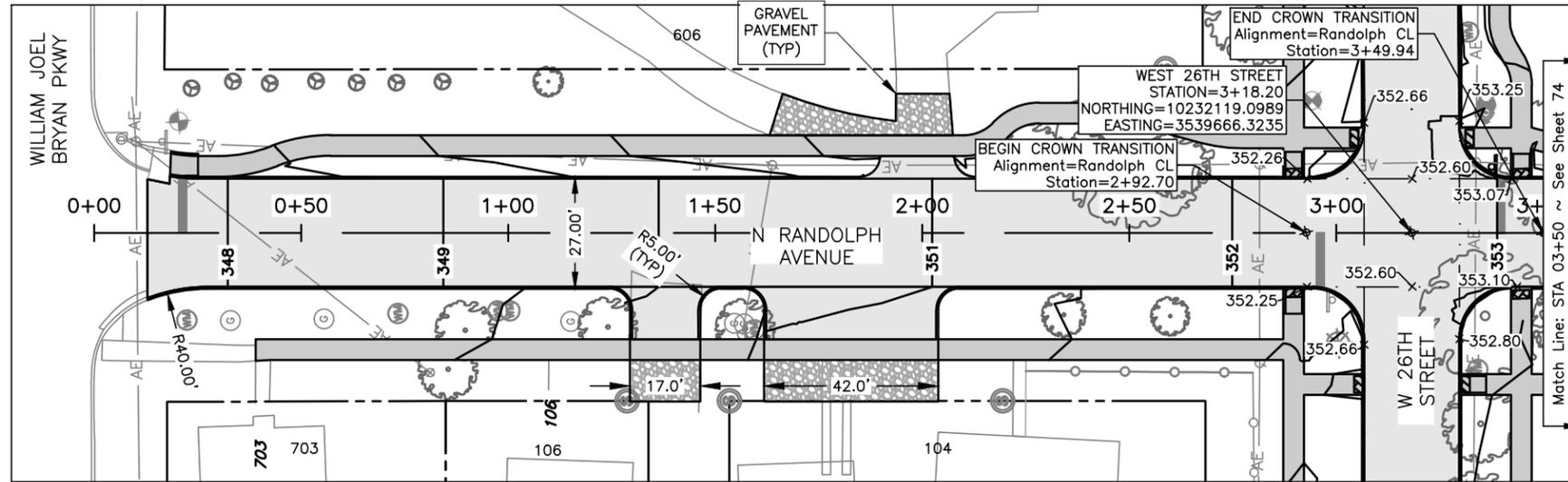
**West 26th Street
Rehabilitation**

City of Bryan Project Number
332-411-425-611-DE-0915
Bryan, Brazos County, Texas

Date: Apr 2016
Scale: As Noted
Sheet: 72

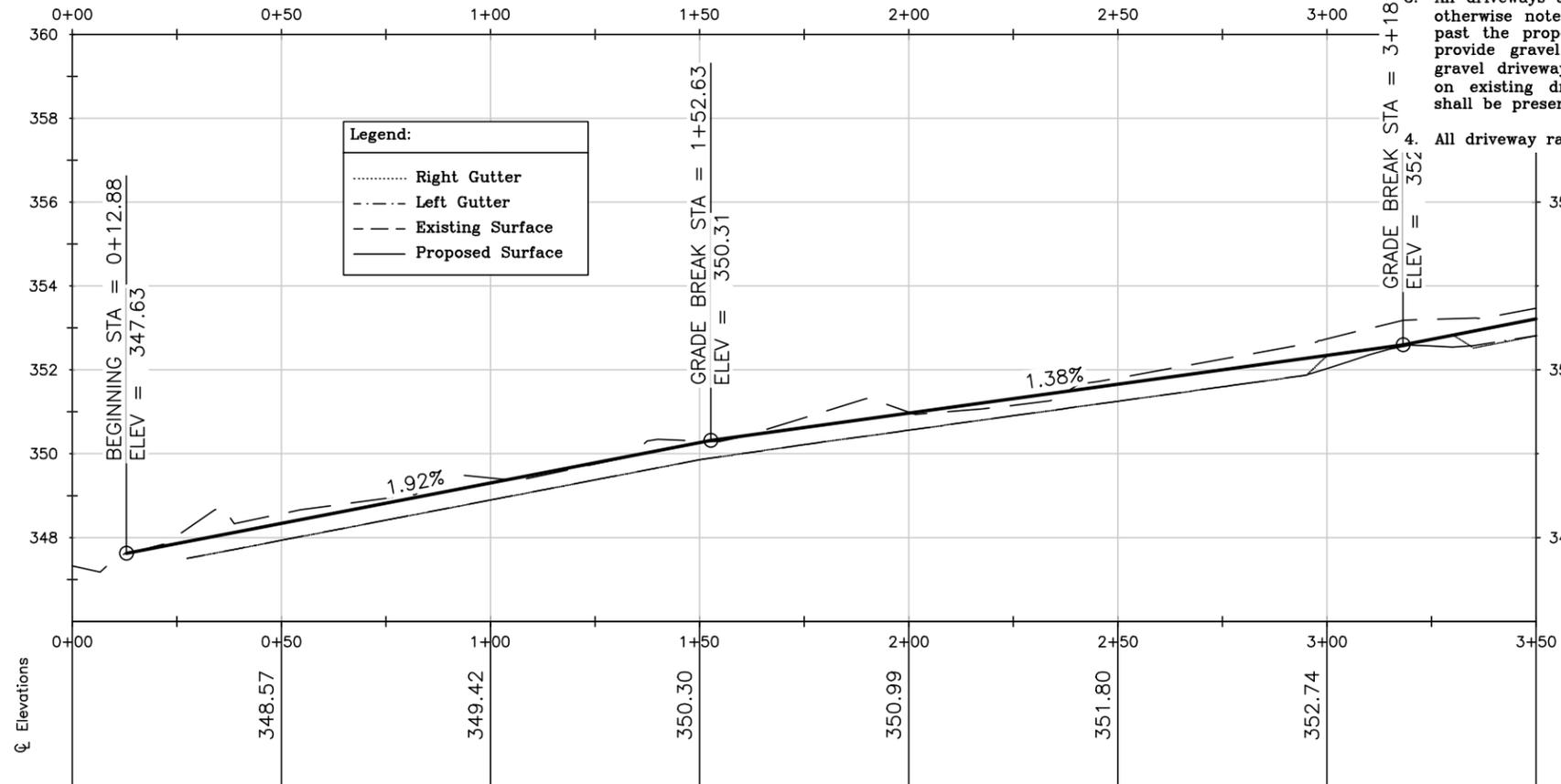


Plan: Randolph Ave Sta 00+00 to 03+50



Profile: Randolph Ave Sta 00+00 to 03+50

Profile Scale:
1" = 40' Horizontal
1" = 4' Vertical



Notes:

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Randolph Ave Sta 00+00 to 03+50

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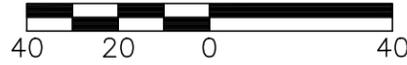
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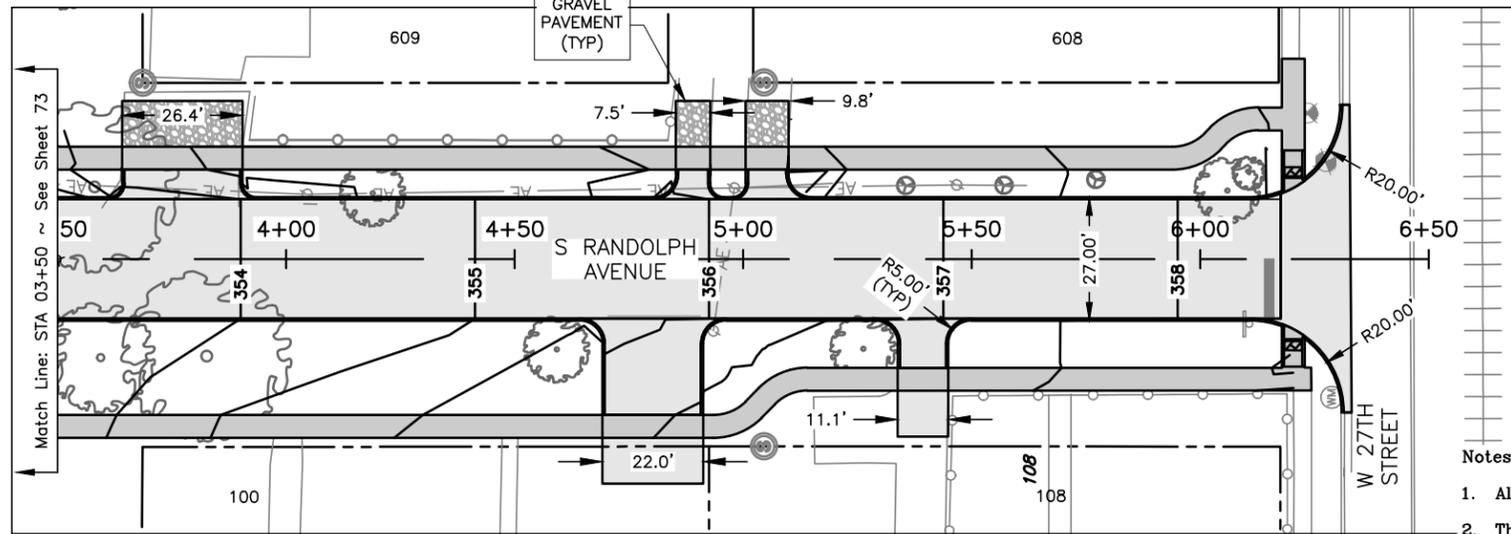
**West 26th Street
Rehabilitation**

City of Bryan Project Number
332-411-425-611-DE-0915
Bryan, Brazos County, Texas

Date: Apr 2016
Scale: As Noted
Sheet: 73



Plan: Randolph Ave Sta 03+50 to 06+50

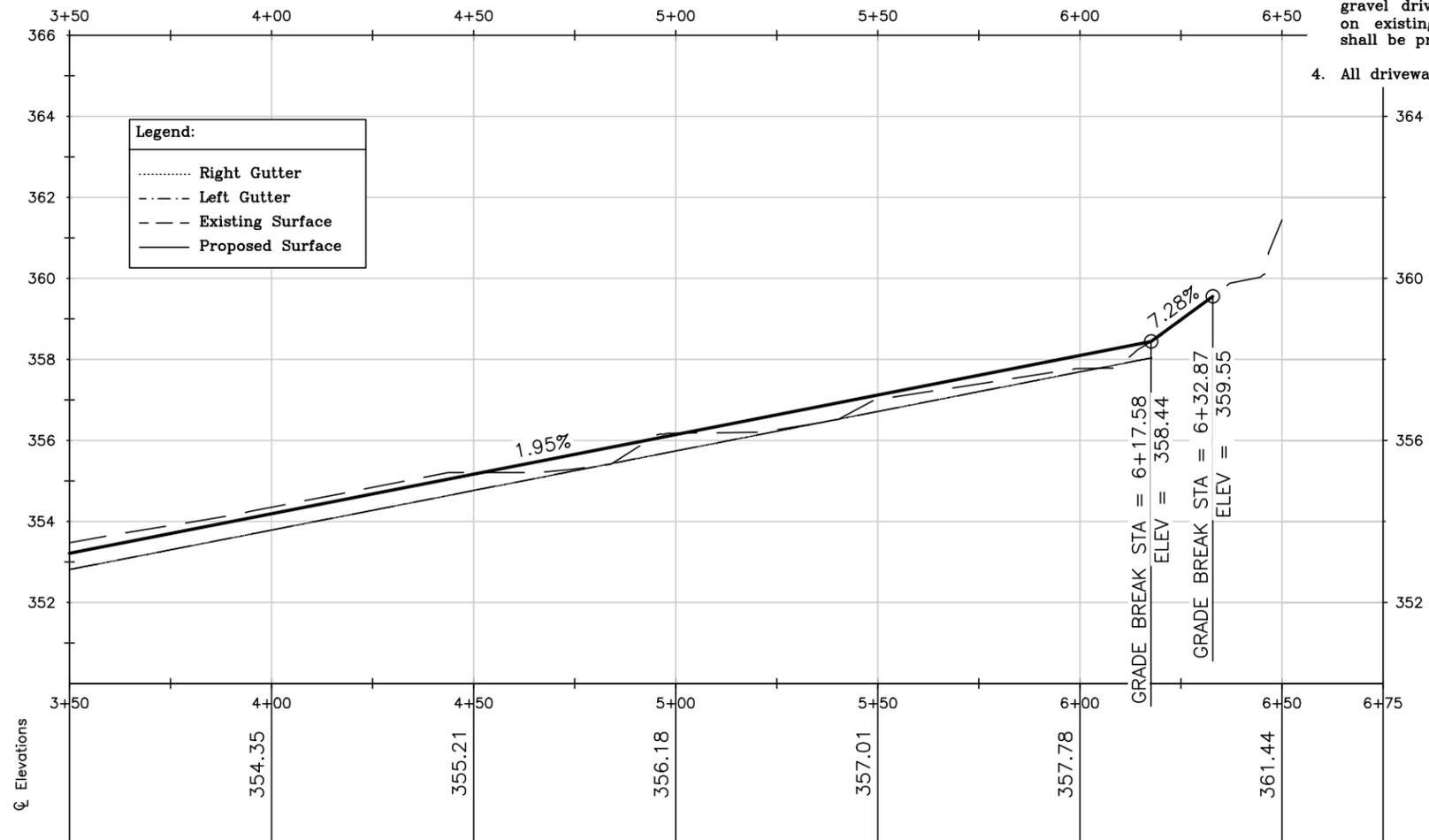


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Profile Scale:
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 1" = 4' Vertical

Profile: Randolph Ave Sta 03+50 to 06+50



Randolph Ave Sta 03+50 to 06+50

General Notes:

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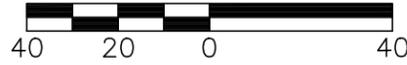
Project Name and Address:

**West 26th Street
 Rehabilitation**

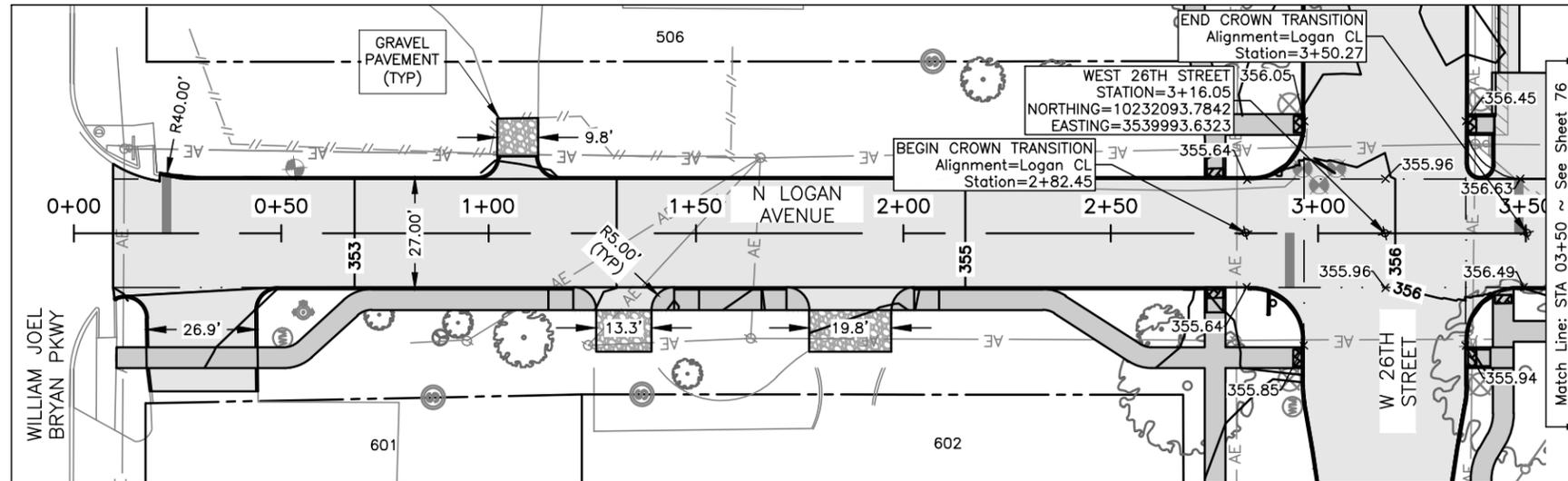
City of Bryan Project Number
 332-411-425-611-DE-0915

Bryan, Brazos County, Texas

Date: Apr 2016	Sheet: 74
Scale: As Noted	

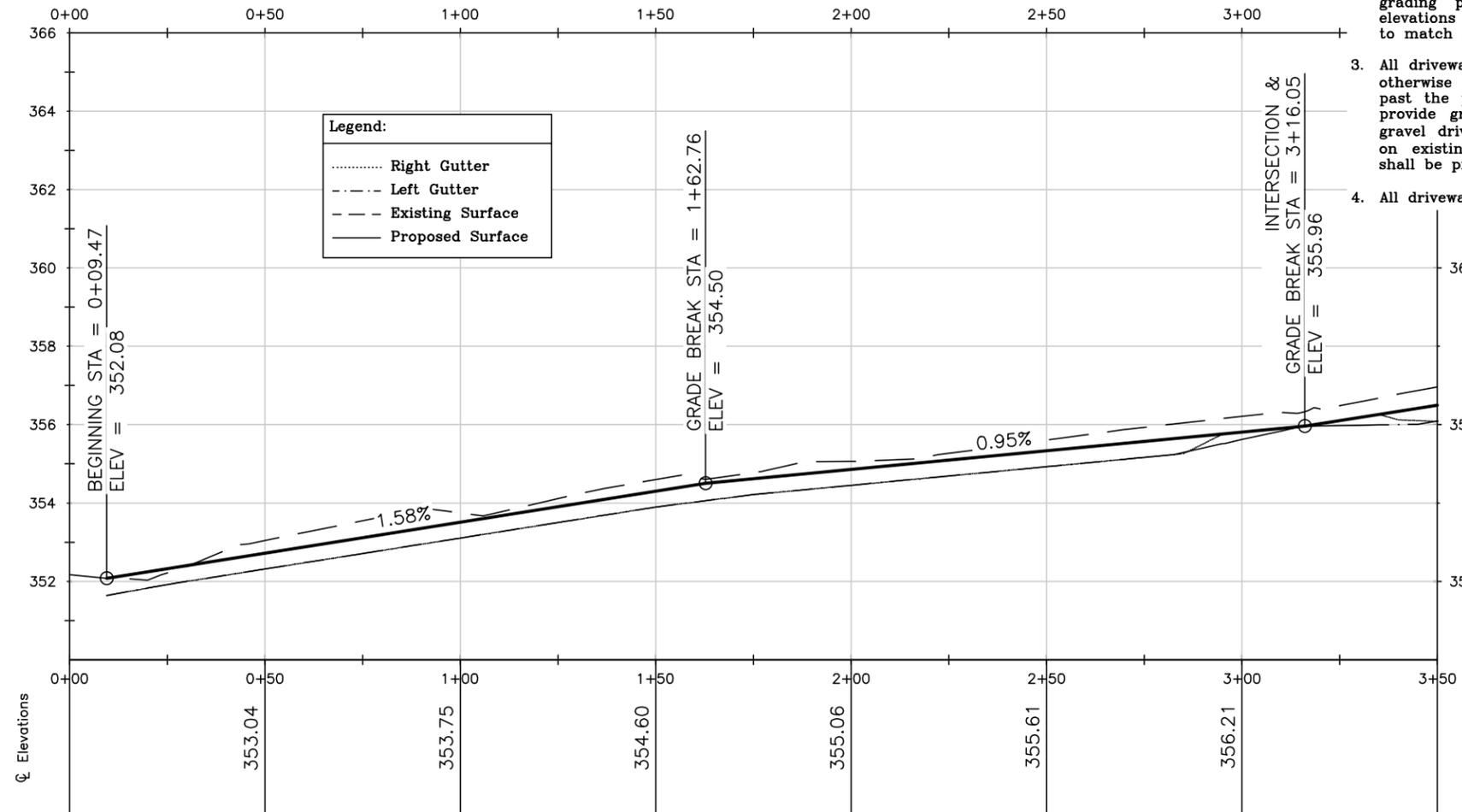


Plan: Logan Avenue Sta 00+00 to 03+50



Profile Scale:
1" = 40' Horizontal
1" = 4' Vertical

Profile: Logan Avenue Sta 00+00 to 03+50



Notes:

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Logan Avenue Sta 00+00 to 03+50

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Firm# 9951

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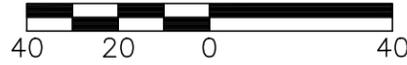
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Project Name and Address:

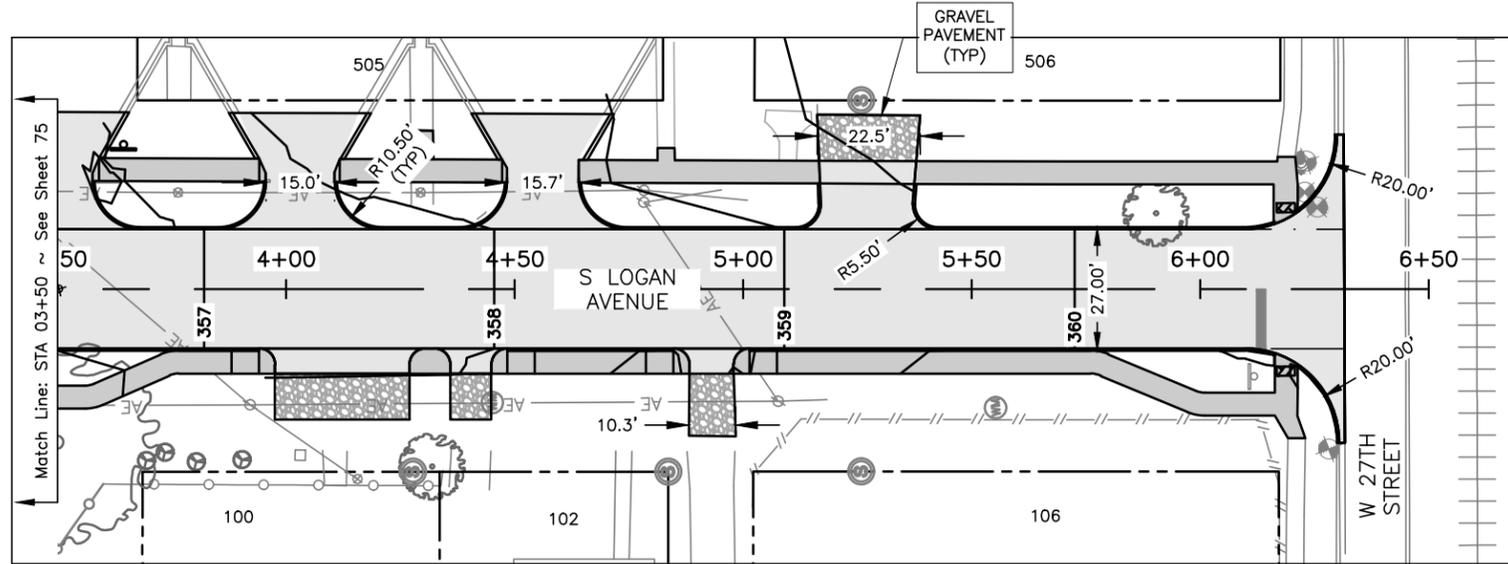
**West 26th Street
Rehabilitation**

City of Bryan Project Number
332-411-425-611-DE-0915
Bryan, Brazos County, Texas

Date: Apr 2016	Sheet: 75
Scale: As Noted	

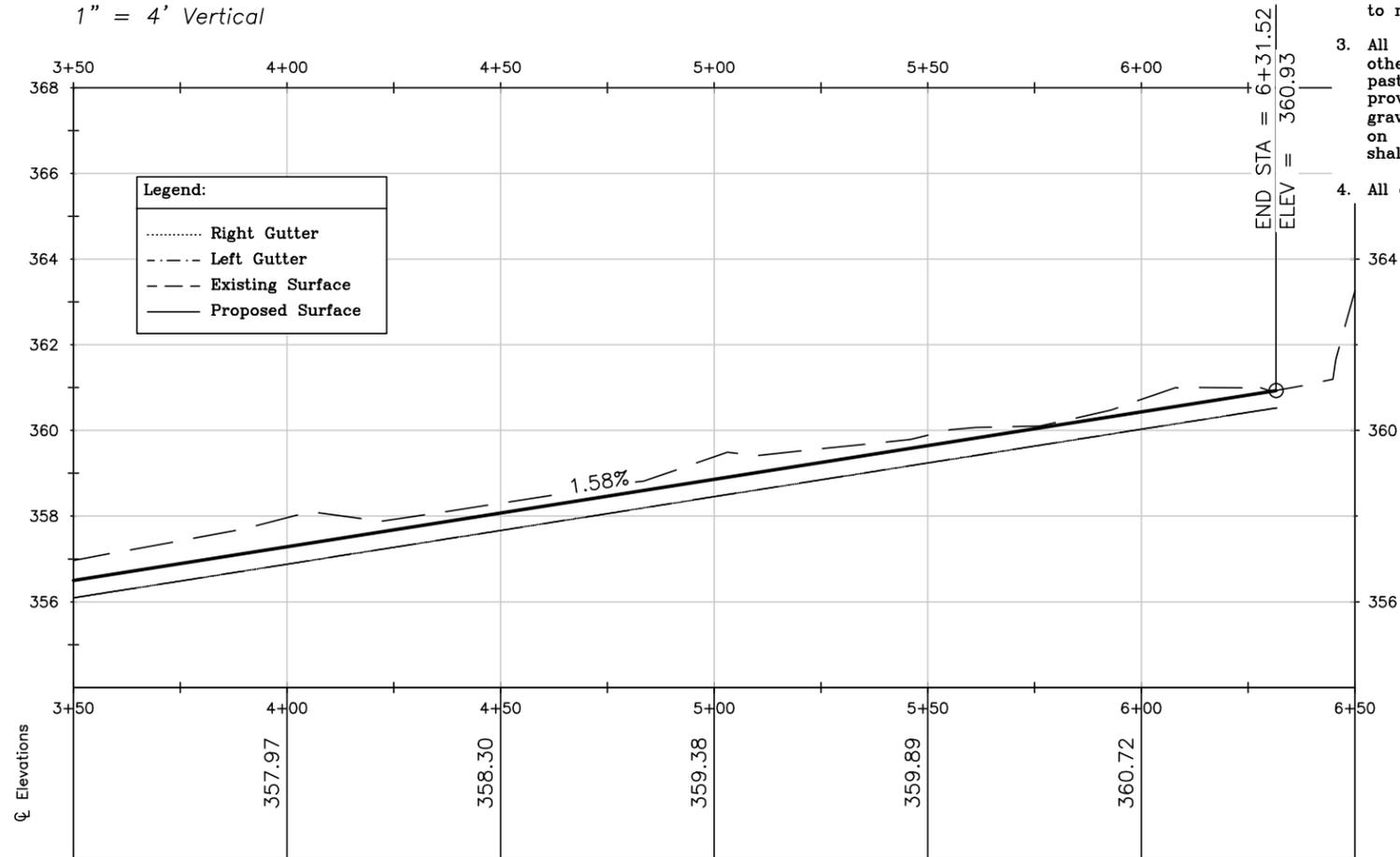


Plan: Logan Avenue Sta 03+50 to 06+50



Profile: Logan Avenue Sta 03+50 to 06+50

Profile Scale:
1" = 40' Horizontal
1" = 4' Vertical



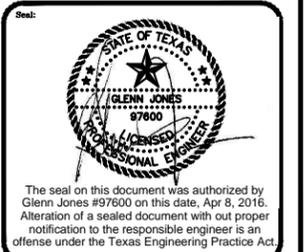
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Logan Avenue Sta 03+50 to 06+50

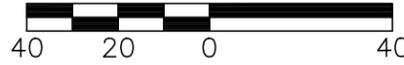
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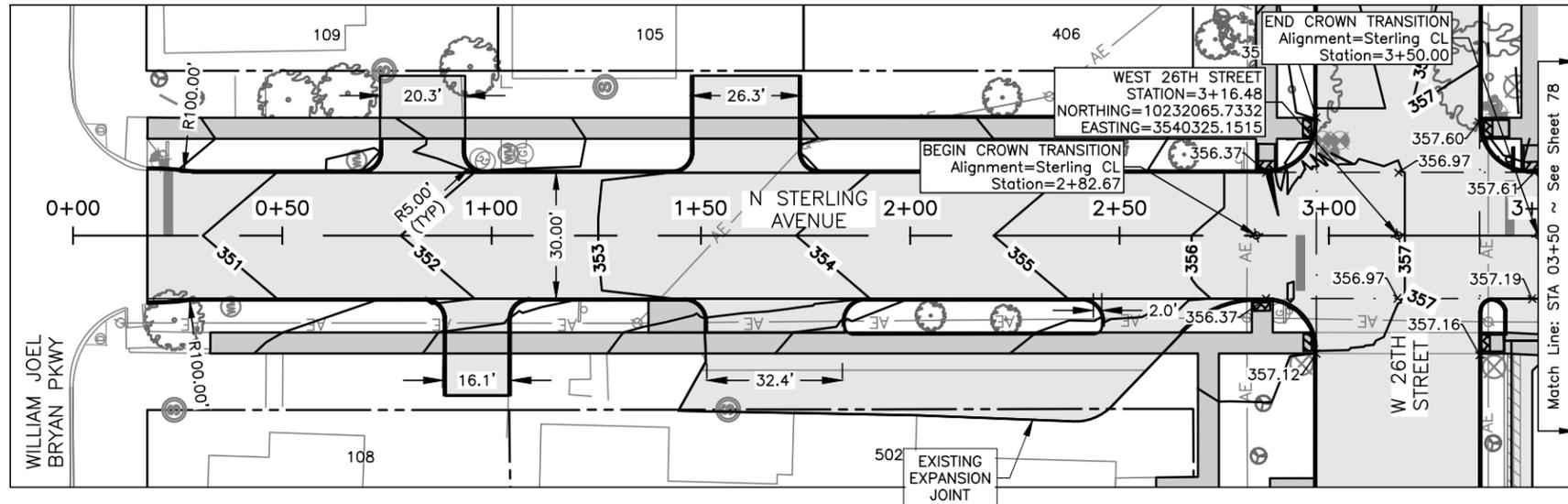


Project Name and Address:
**West 26th Street
Rehabilitation**
City of Bryan Project Number
332-411-425-611-DE-0915
Bryan, Brazos County, Texas

Date: Apr 2016
Scale: As Noted
Sheet: 76

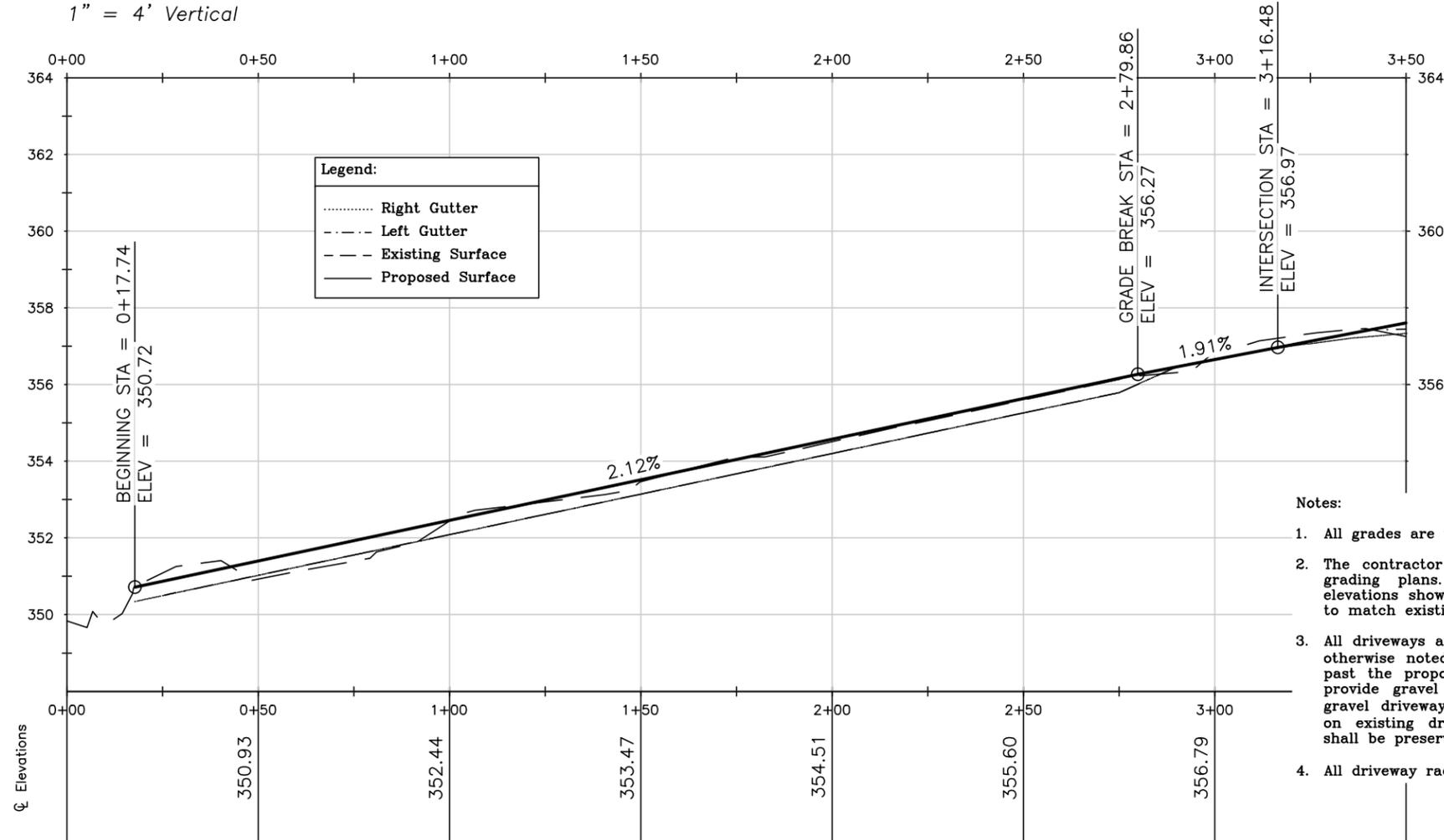


Plan: Sterling Avenue Sta 00+00 to 03+50



Profile Scale:
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1" = 4' Vertical

Profile: Sterling Avenue Sta 00+00 to 03+50



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Sterling Avenue Sta 00+00 to 03+50

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Firm Name and Address:



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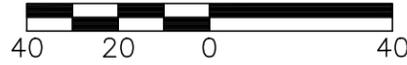
Project Name and Address:

**West 26th Street
Rehabilitation**

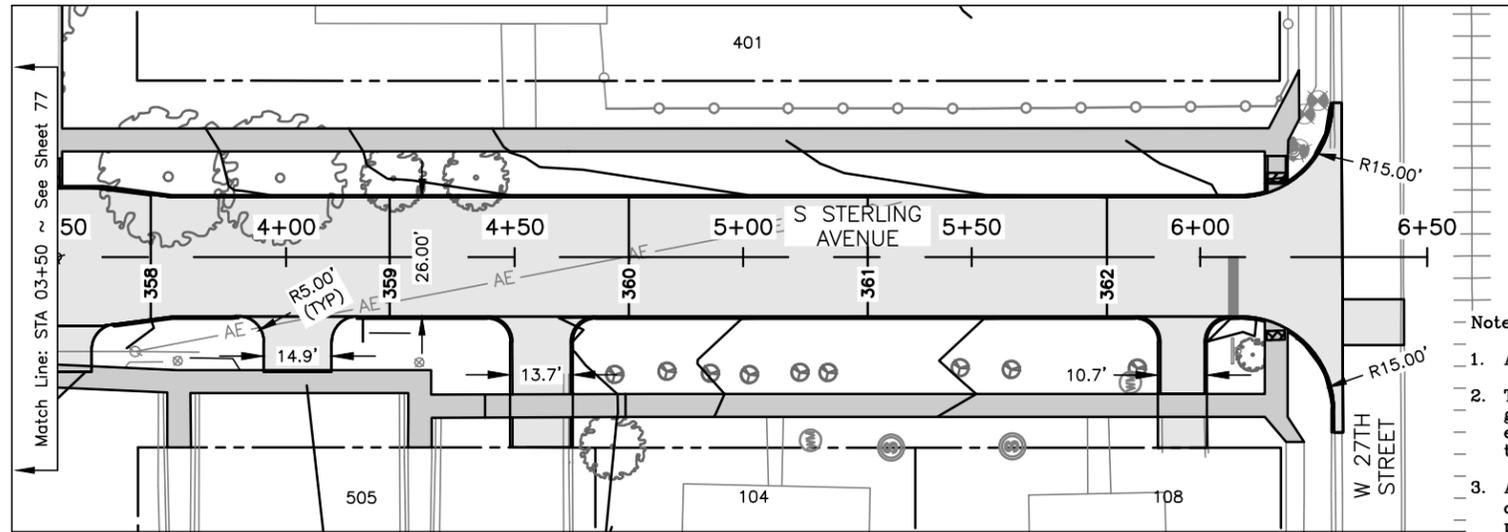
City of Bryan Project Number
332-411-425-611-DE-0915

Bryan, Brazos County, Texas

Date: Apr 2016	Sheet:
Scale: As Noted	77



Plan: Sterling Avenue Sta 03+50 to 06+50

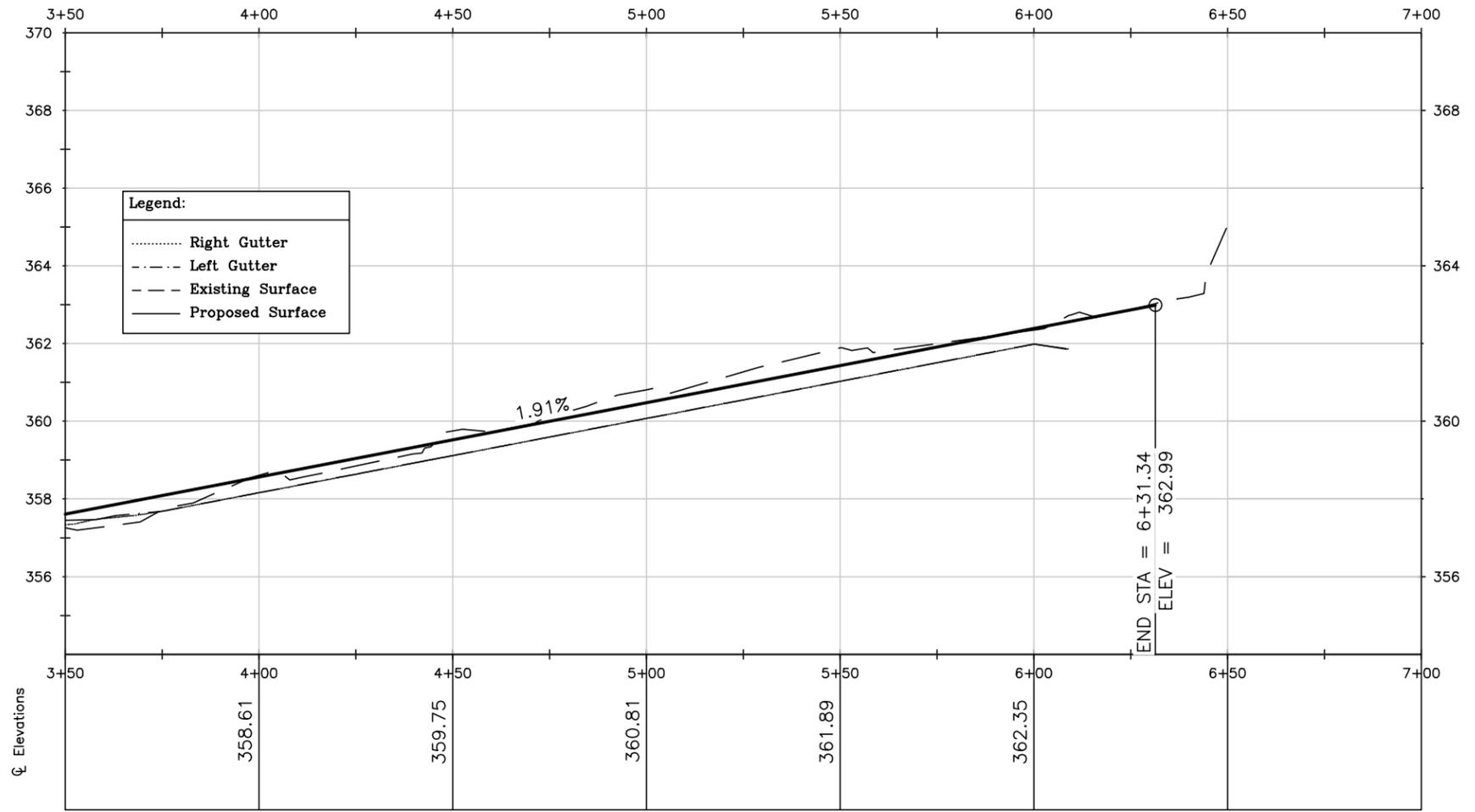


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Profile: Sterling Avenue Sta 03+50 to 06+50



Sterling Avenue Sta 03+50 to 06+50

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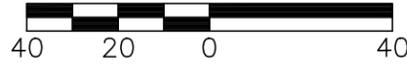
Project Name and Address:

**West 26th Street
 Rehabilitation**

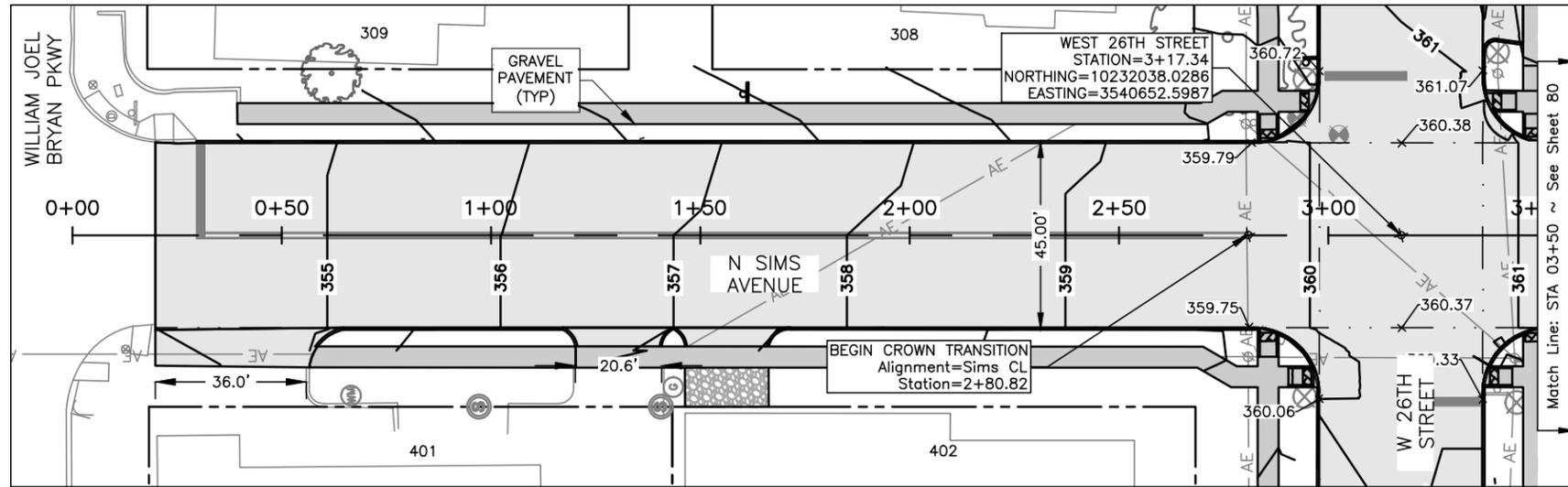
City of Bryan Project Number
 332-411-425-611-DE-0915
 Bryan, Brazos County, Texas

Date: Apr 2016
 Scale: As Noted
 Sheet: 78

J4 Engineering 04/06/2016 West 26th Street Corridors.dwg J4E Project # 14-038

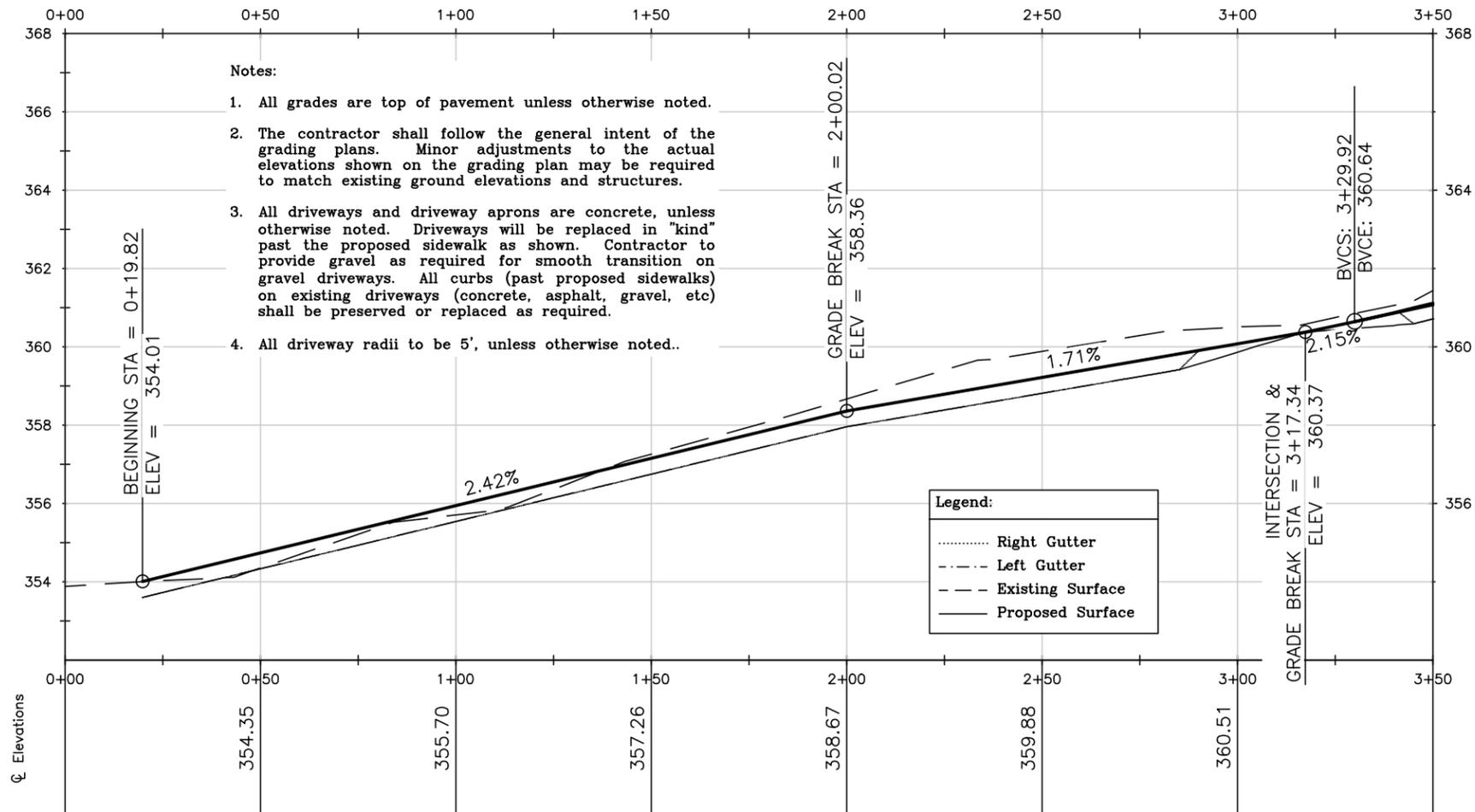


Plan: Sims Avenue Sta 00+00 to 03+50



Profile Scale:
1" = 40' Horizontal
1" = 4' Vertical

Profile: Sims Avenue Sta 00+00 to 03+50



Sims Avenue Sta 00+00 to 03+50

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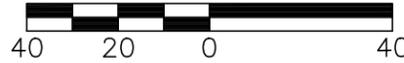
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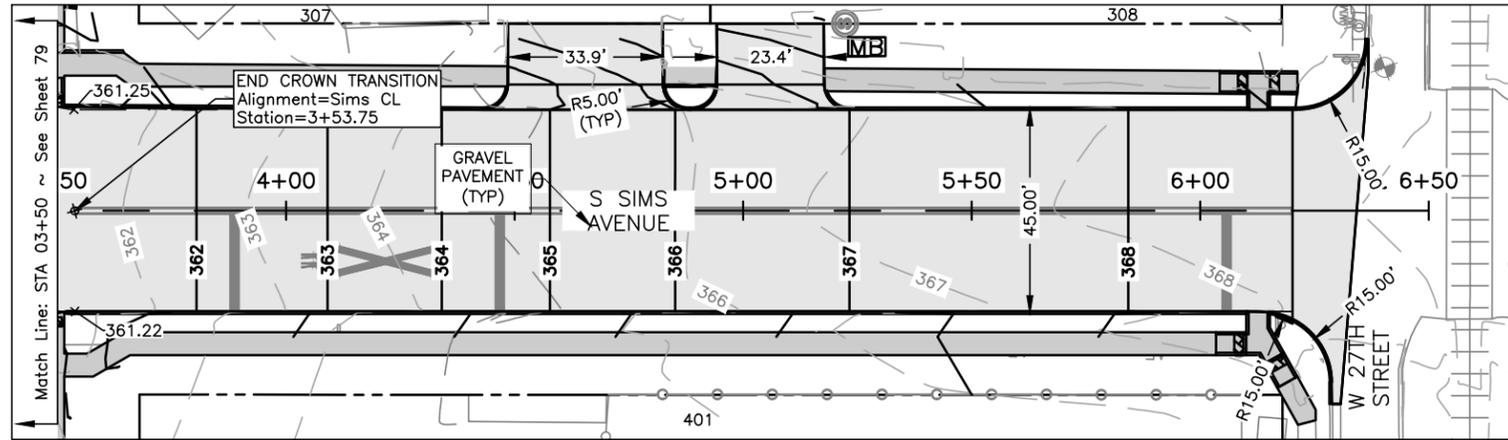
**West 26th Street
Rehabilitation**

City of Bryan Project Number
332-411-425-611-DE-0915
Bryan, Brazos County, Texas

Date: Apr 2016
Scale: As Noted
Sheet: 79

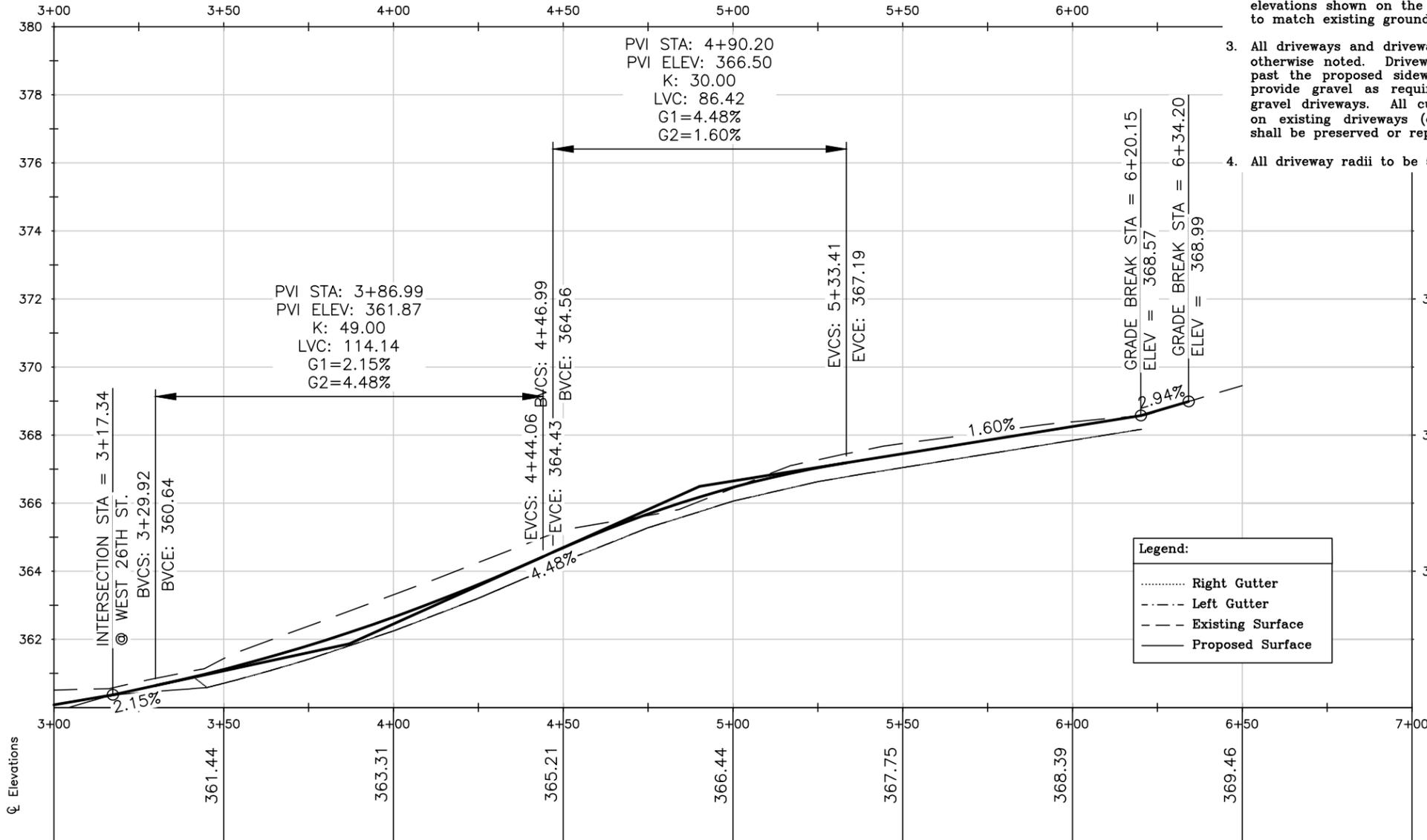


Plan: Sims Avenue Sta 03+50 to 06+50



Profile Scale:
1" = 40' Horizontal
1" = 4' Vertical

Profile: Sims Avenue Sta 03+50 to 06+50



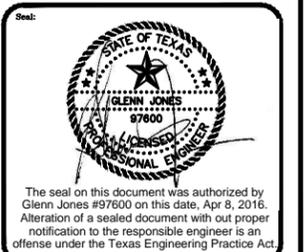
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Sims Avenue Sta 03+50 to 06+50

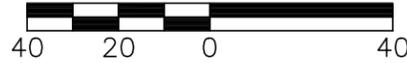
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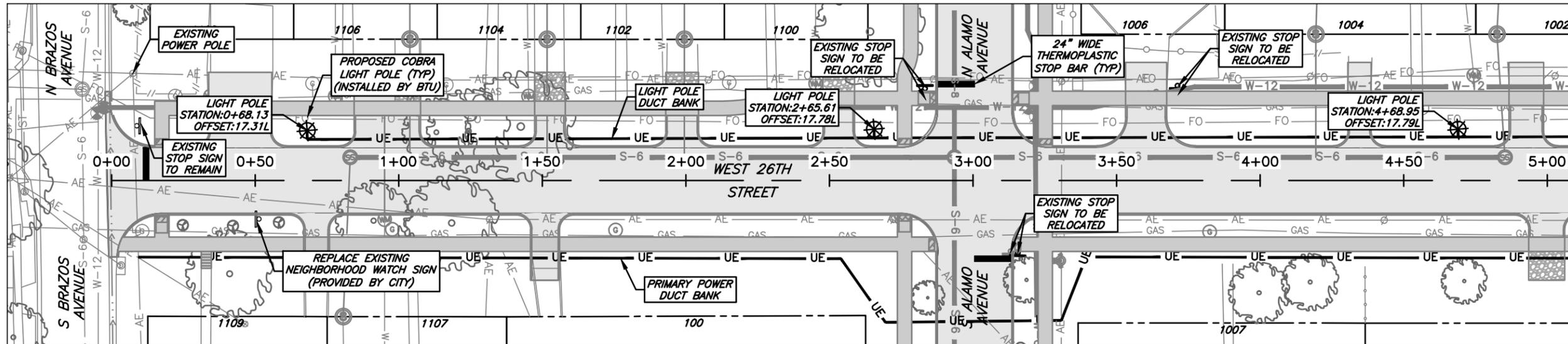


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West 26th Street Rehabilitation
City of Bryan Project Number
332-411-425-611-DE-0915
Bryan, Brazos County, Texas

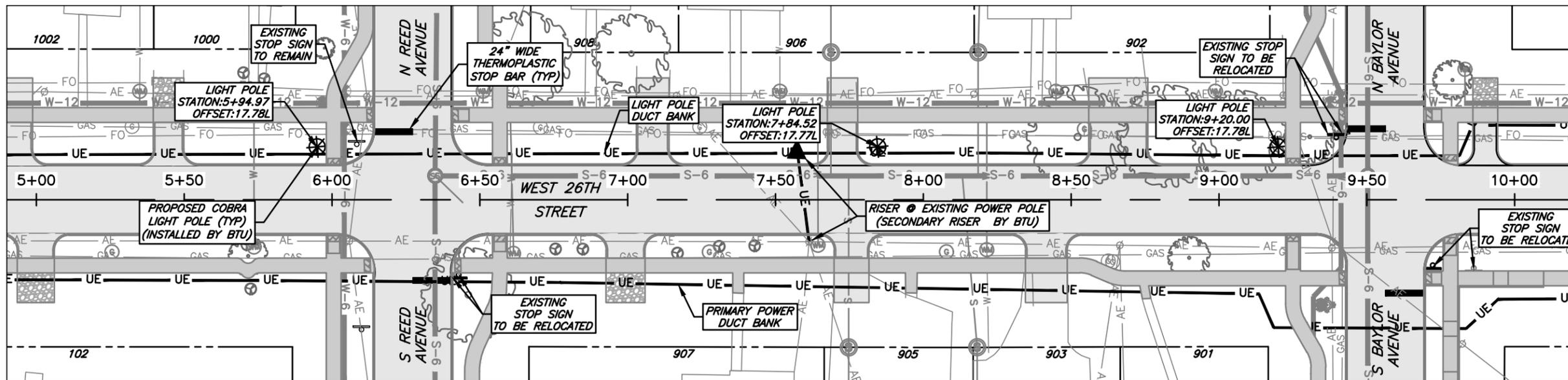
Date: Apr 2016
Scale: As Noted
Sheet: 80



West 26th Street @ Alamo Avenue



West 26th Street @ Reed Avenue and Baylor Avenue



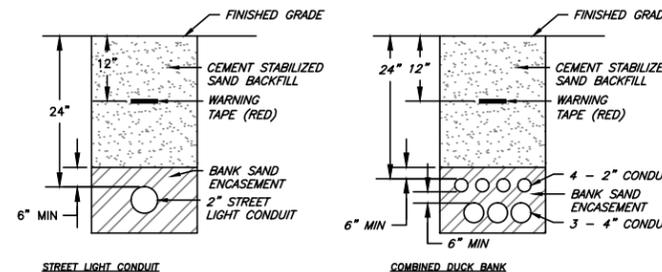
Notes:

Striping:

1. Stop lines shall be installed by the Contractor and shall be 24" in width and placed as shown in this plan set, extending from the centerline to a point 24" from the face of curb. These lines shall be white and shall be placed approximately perpendicular to the roadway.
2. All street striping shall conform to TxDOT Standard Specification 666, "Reflectorized Pavement Markings." Striping shall be Type I, Thermoplastic.
3. Materials and methods for parking space and cross-walk striping shall conform to TxDOT Standard Specifications for Construction of Highways, Streets, and Bridges (current edition), with the following exceptions: 1) Type II marking materials need not be purchased from the Department, and 2) Glass beads may be omitted, but marking material shall be Type II paint-type material.
4. Pavement Marking Field Locations shall be fully laid out and be approved by Inspector and Engineer prior to application.

Sign Installations:

1. The Contractor shall install all signs and signposts required by these plans. All signs to be installed on this project shall conform to the requirements of Item 636 of the current TxDOT specifications.
2. All signs shall be posted on 12-foot-long, 2 3/8" outside diameter Galvanized steel pipe signposts that weigh two (2) pounds per linear foot. These signposts shall be placed in accordance with TxDOT SMD (TWT)-02 wedge anchor system.
3. The signs shall be installed so that the bottom of each sign shall be at least seven (7) feet above the ground at the base of the signpost or above the adjacent sidewalk. All sign edge offsets shall be a minimum of 2' from face of curb.
4. The hardware used to attach signs to the signpost shall be the same as that currently used by the City of Bryan. The Contractor shall contact the City of Bryan City Engineer or Inspector and discuss installation procedures prior to installation.
5. All signs shall be positioned facing the motorists requiring the sign, and angled five to ten degrees toward the street from the perpendicular to the adjacent street.



TYPICAL CONDUIT BURIAL DETAILS
N.T.S.

West 26th Street Electrical & Signage.

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J4 Engineering 04/05/2016 West 26th Street Electrical & Signage.dwg J4E Project # 14-038

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Seal:

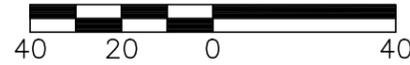


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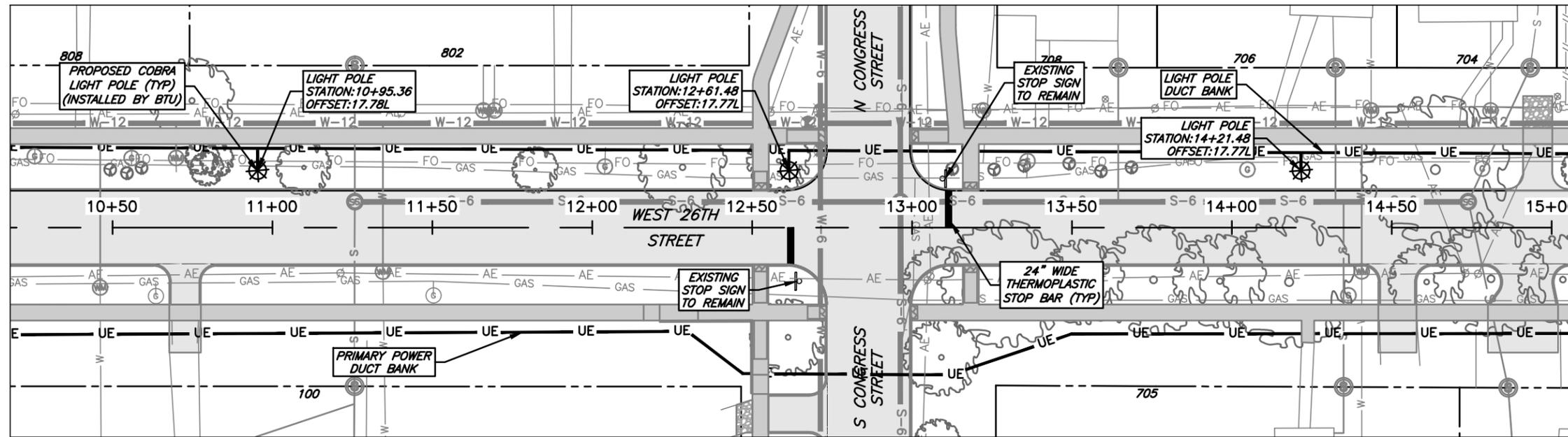
Project Name and Address:

**West 26th Street
Rehabilitation**
City of Bryan Project Number
332-411-425-611-DE-0915
Bryan, Brazos County, Texas

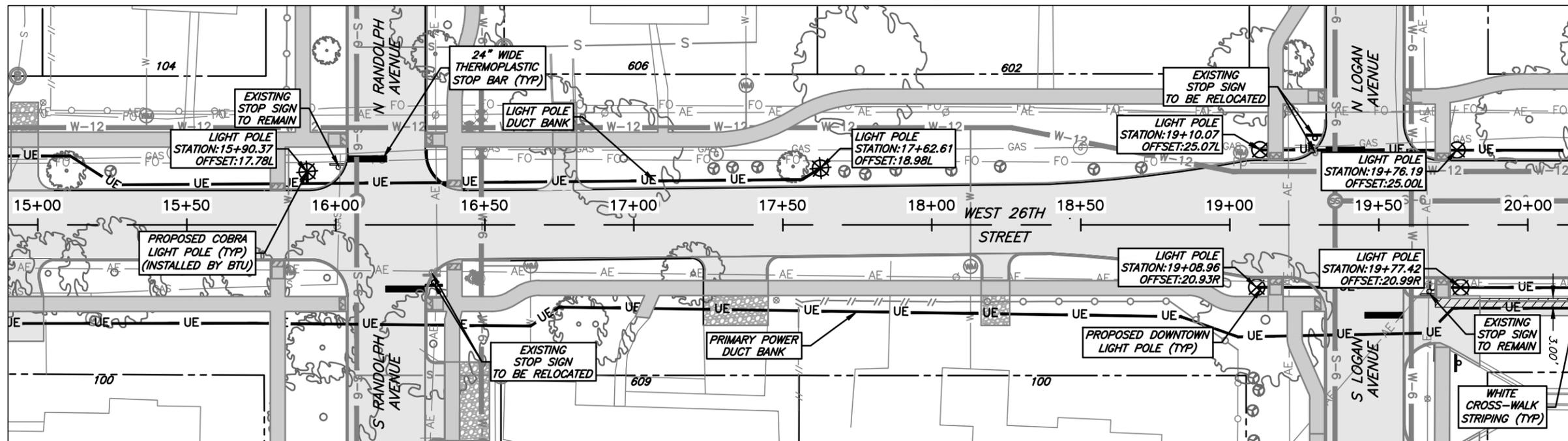
Date: Apr 2016
Scale: As Noted
Sheet: 81



West 26th Street @ Congress Street



West 26th Street @ Randolph Avenue and Logan Avenue



West 26th Street Electrical & Signage.

General Notes:

1. All construction shall be in accordance with the current BCS Standard Specifications, Details, and Design Guidelines for Water, Sewer, Streets, and Drainage, unless otherwise noted.
2. It is the intent of these plans to comply with all City of Bryan guidelines, details, and specifications.

Owner Name and Address:



CITY OF BRYAN
The Good Life, Texas Style.
PO Box 1000 - Bryan, Texas 77805

Firm Name and Address:



PO Box 5192 - Bryan, Texas - 77805
979-739-4567 www.J4Engineering.com
Firm# 9951

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Project Name and Address:

**West 26th Street
Rehabilitation**

City of Bryan Project Number
332-411-425-611-DE-0915
Bryan, Brazos County, Texas

Date:

Apr 2016

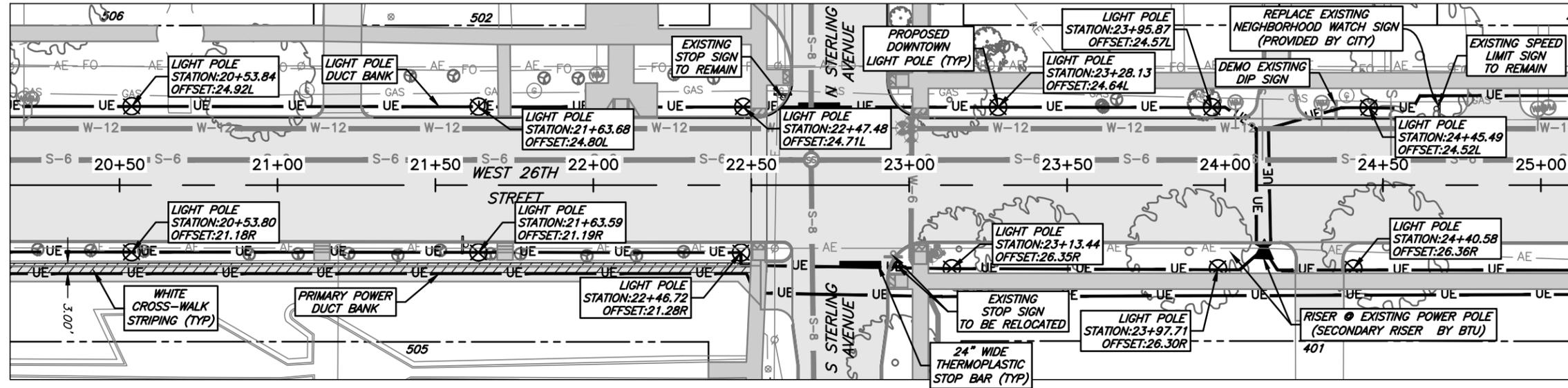
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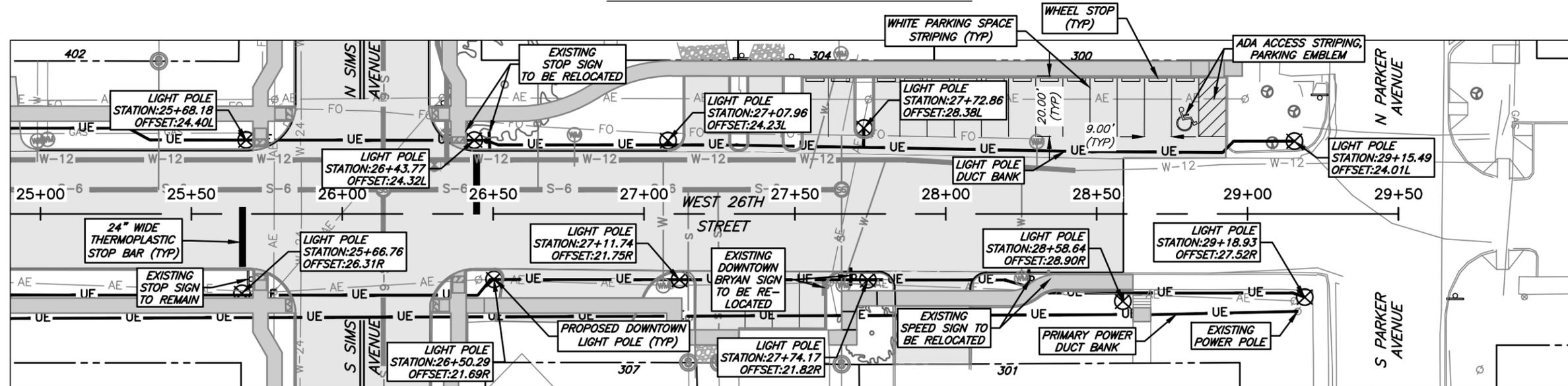
Sheet:
82



West 26th Street @ Sterling Avenue



West 26th Street @ Sims Avenue



West 26th Street Electrical & Signage.

General Notes:

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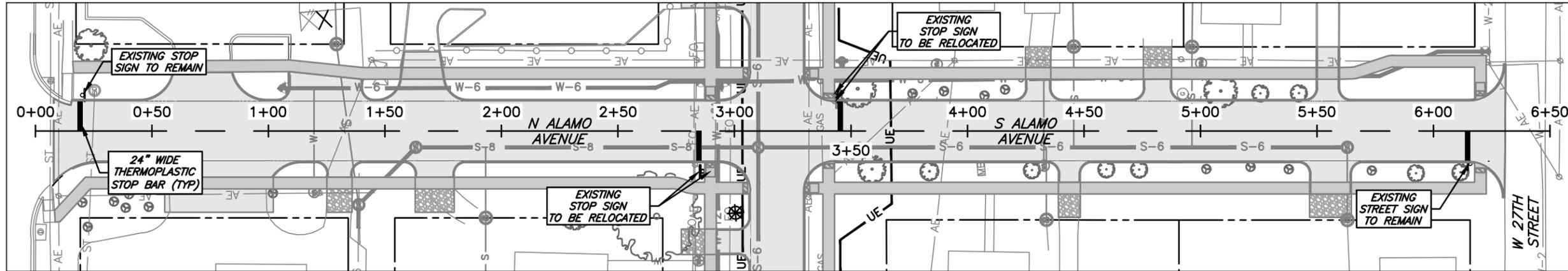
Project Name and Address:

**West 26th Street
Rehabilitation**
City of Bryan Project Number
332-411-425-611-DE-0915
Bryan, Brazos County, Texas

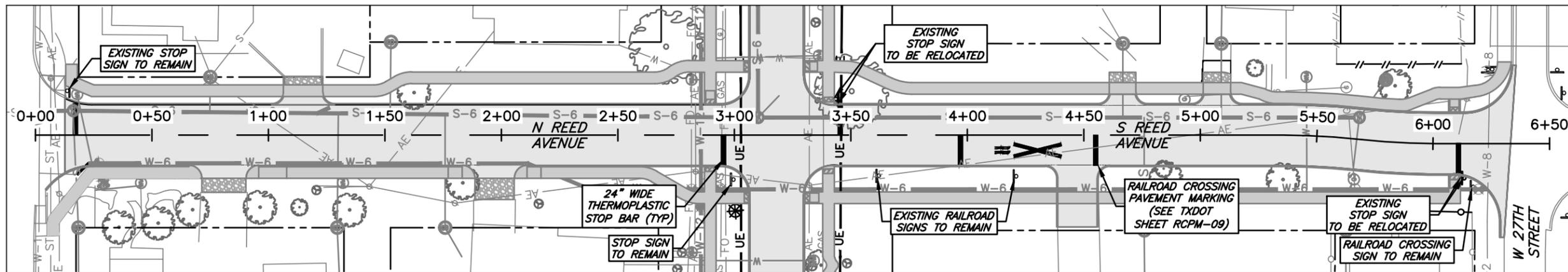
Date:	Apr 2016	Sheet:	83
Scale:	As Noted		



Alamo Avenue @ W 26th Street



Reed Avenue @ W 26th Street



Alamo Avenue & Reed Avenue Electrical & Signage

General Notes:

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Rehabilitation**

City of Bryan Project Number
332-411-425-611-DE-0915

Bryan, Brazos County, Texas

Date:

Apr 2016

Scale:

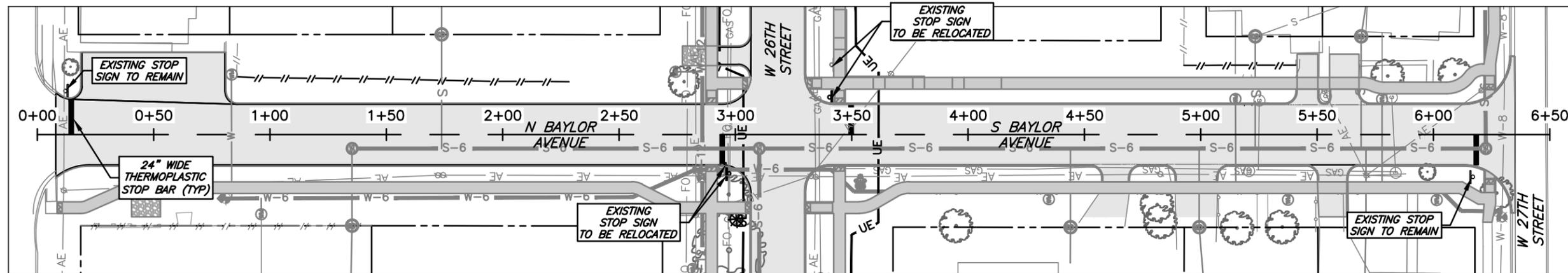
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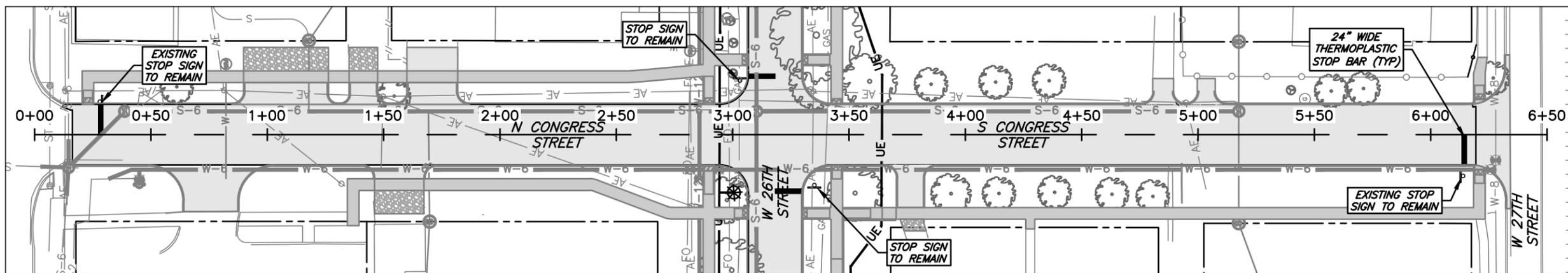
84



Baylor Avenue @ W 26th Street



Congress Street @ W 26th Street



Baylor Avenue & Congress Street Electrical & Signage

General Notes:

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Rehabilitation

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Apr 2016

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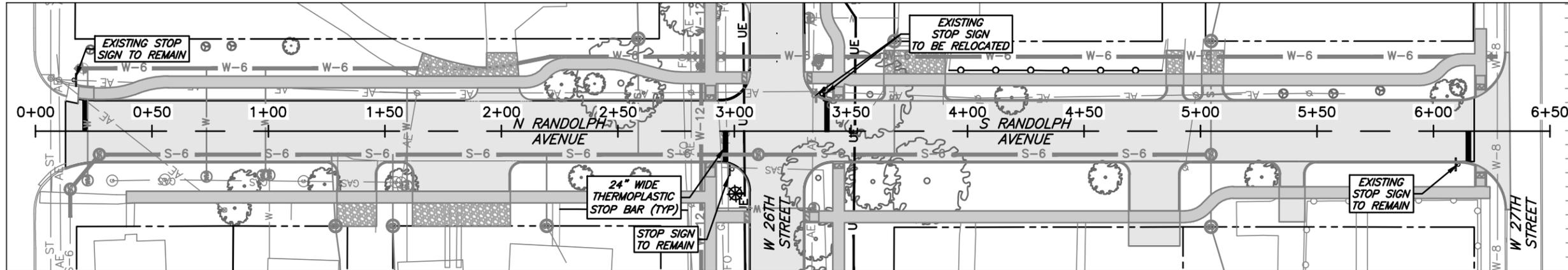
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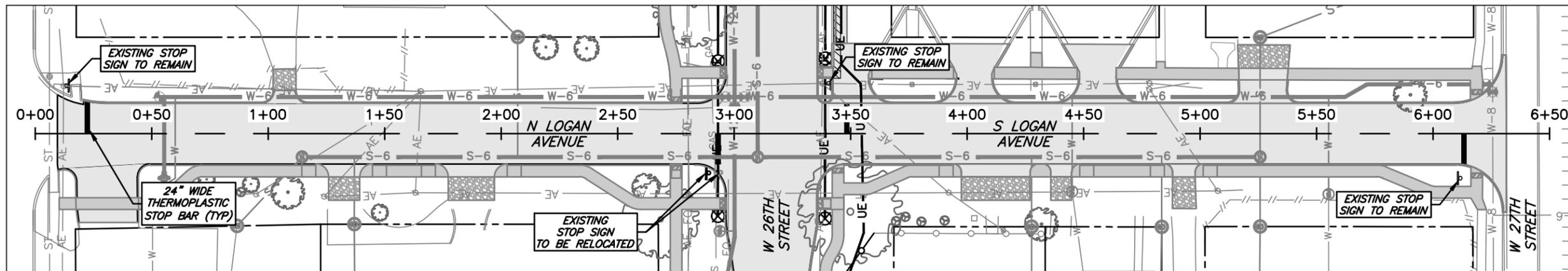
85



Randolph Avenue @ W 26th Street



Logan Avenue @ W 26th Street



Randolph Avenue & Logan Avenue Electrical & Signage

General Notes:

1. All construction shall be in accordance with the current BCS Standard Specifications, Details, and Design Guidelines for Water, Sewer, Streets, and Drainage, unless otherwise noted.

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Rehabilitation

City of Bryan Project Number
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Bryan, Brazos County, Texas

Date:

Apr 2016

Scale:

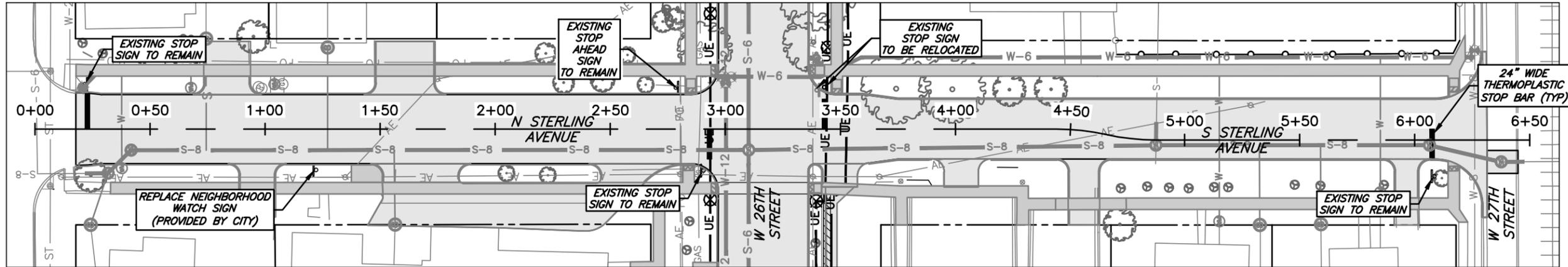
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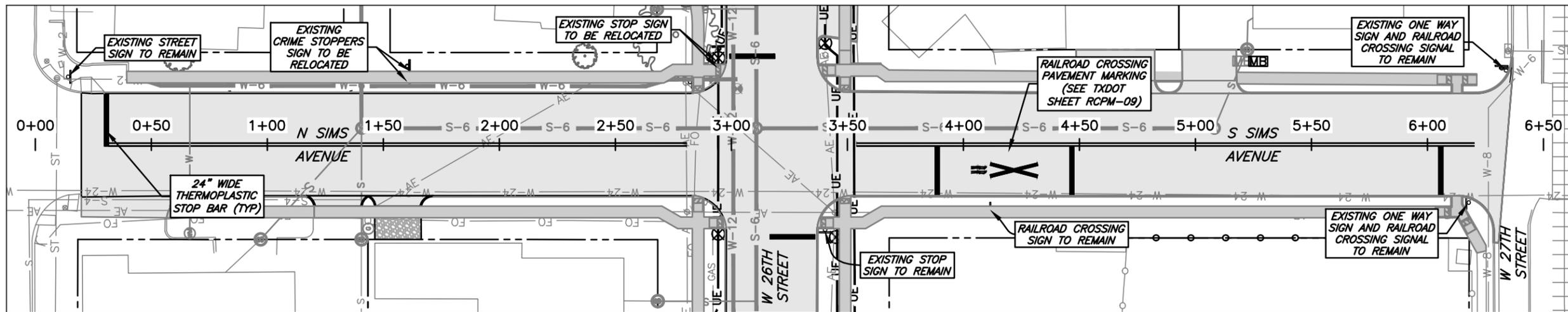
86



Sterling Avenue @ W 26th Street



Sims Avenue @ W 26th Street



Sterling Avenue & Sims Avenue Electrical & Signage

General Notes:

1. All construction shall be in accordance with the current BCS Standard Specifications, Details, and Design Guidelines for Water, Sewer, Streets, and Drainage, unless otherwise noted.
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Bryan, Brazos County, Texas

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Apr 2016

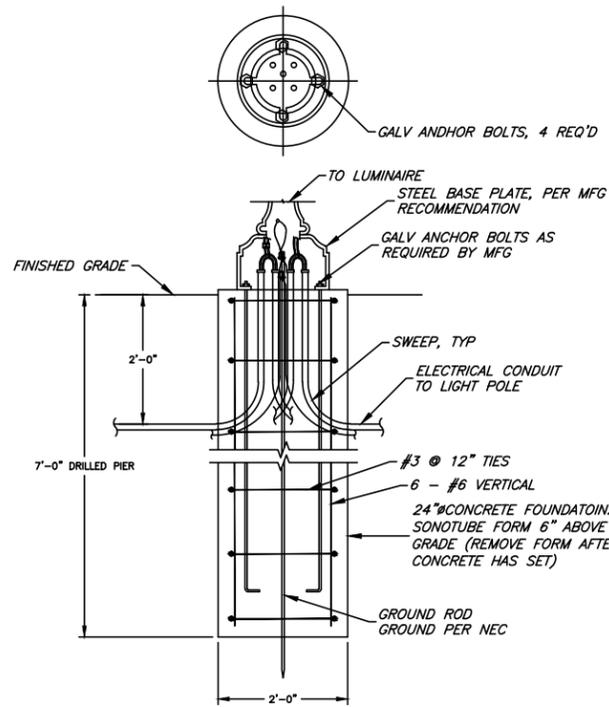
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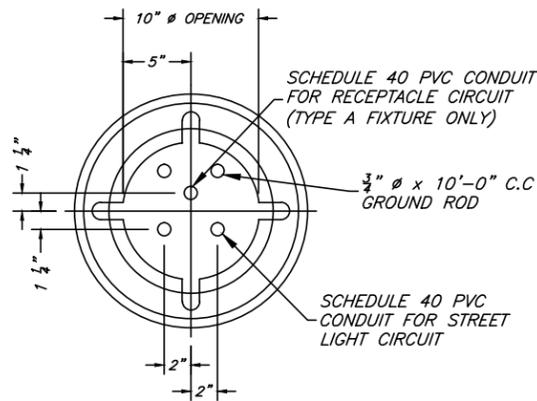
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87

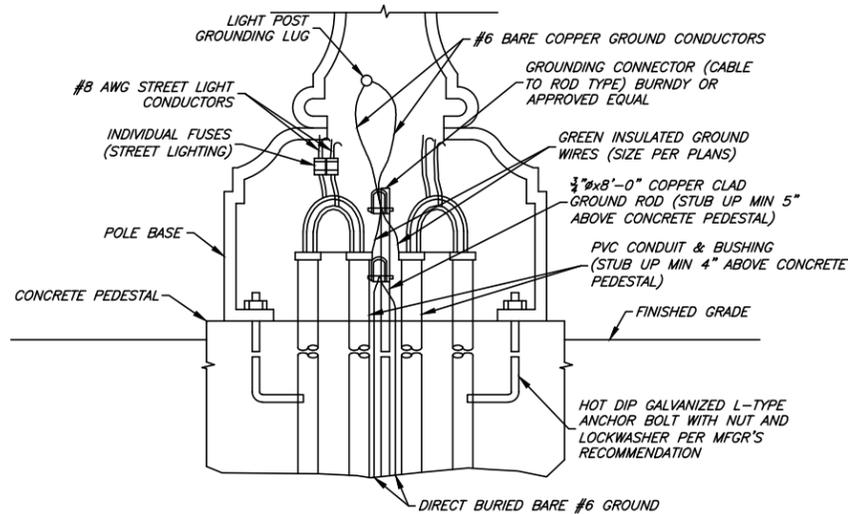
J4 Engineering 04/05/2016 West 26th Street Electrical & Signage.dwg J4E Project # 14-038



LIGHT POLE FOOTING DETAIL
N.T.S.



TYPICAL POST BASE CONDUIT STUB-UP DETAIL
N.T.S.



TYPICAL POST BASE ANCHOR DETAIL
N.T.S.

Notes:

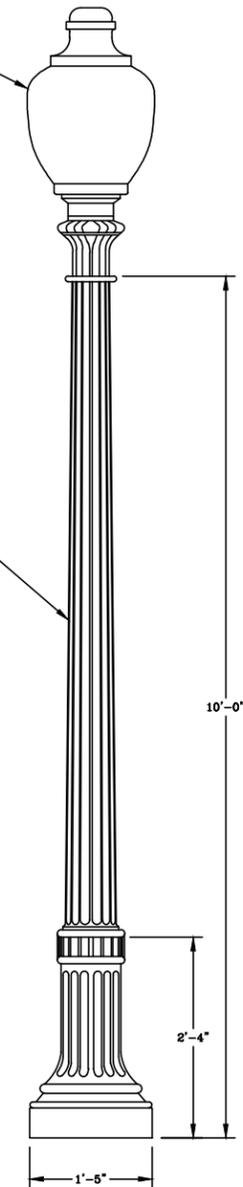
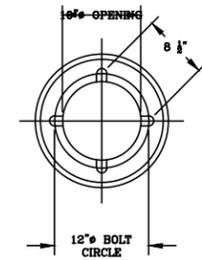
1. BTU will install wiring in conduits and to light poles, up through each foundation.
2. BTU will install all Cobra Head light poles, including connecting wiring and energizing.
3. Contractor shall install all conduits, duct banks and light pole foundations.
4. Contractor shall install all Downtown Style light poles, including connecting wiring and energizing.

ANTIQUE STREET LAMPS A25 LUMINAIRE. ACORN SHAPED GLOBE W/ BASE. GLOBE HOLDER / MULTI-VOLTAGE BALLAST HOUSING, 120 VOLT, DOUBLE FUSING, AND 100 WATT HIGH PRESSURE SODIUM LAMP - CATALOG NO. A25W - 100S MOG ACT TB1 FPF ANBK

NOTES:

1. PROVIDE LIGHT POST CIRCUIT TAG ON OUTSIDE OF POLE IN AN INCONSPICUOUS LOCATION FOR MAINTENANCE PURPOSES. COORDINATE WITH BTU ON FINAL APPROVAL OF TAGGING LOCATIONS.
2. INSTALL WEATHERPROOF INLINE FUSING WITHIN HANDHOLE OF EACH LIGHTING STANDARDS PER MANUFACTURER'S RECOMMENDATIONS.

ANTIQUE STREET LAMPS CAST IRON POST. NEW YORK SERIES W/ 1.7" BASE, 3" O.D. x 3" HIGH TENON CATALOG NO. PINY17-10-ANBK-RG-5 (ALUMINUM)



TYPE "A" LIGHT POLE DETAIL
N.T.S.

Street Light Details

General Notes:

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Firm Name and Address:



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City of Bryan Project Number 332-411-425-611-DE-0915
Bryan, Brazos County, Texas

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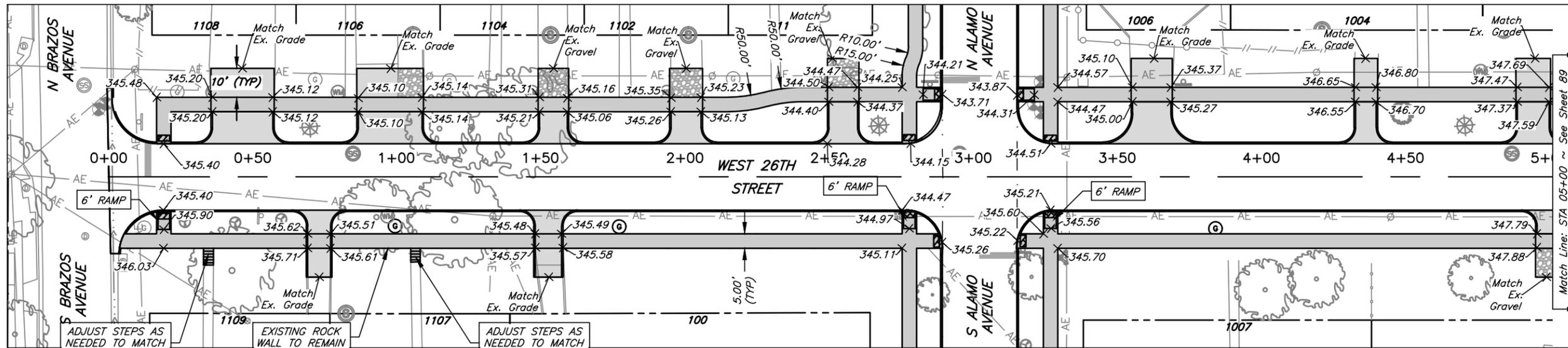
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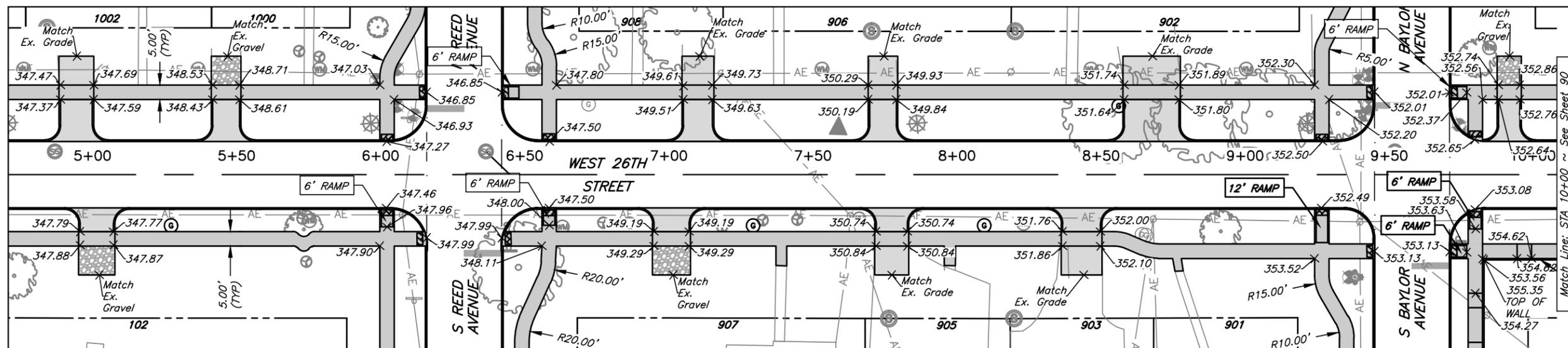
88



West 26th Street Sta 00+00 to 05+00

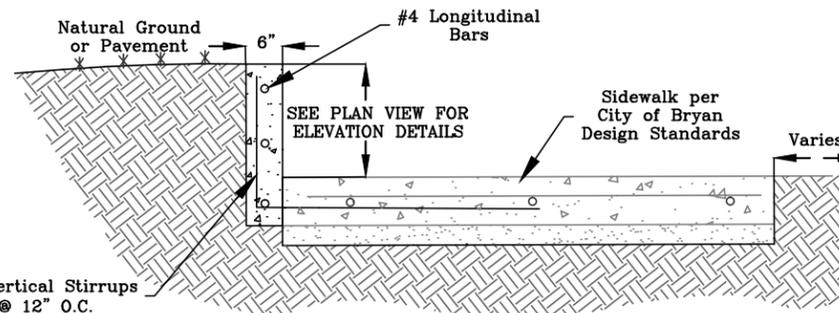


West 26th Street Sta 05+00 to 10+00



Notes:

1. ADA ramp slopes shall not exceed 1v:12h.
2. The contractor shall follow the general intent of the grading plans. Minor adjustments to the actual elevations shown on the grading plan may be required to match existing ground elevations and structures.
3. All ADA access shall comply with local and state requirements.
4. All driveways and driveway aprons are concrete, unless otherwise noted. Driveways will be replaced in "kind" past the proposed sidewalk as shown. Contractor to provide gravel as required for smooth transition on gravel driveways. All curbs (past proposed sidewalks) on existing driveways (concrete, asphalt, gravel, etc) shall be preserved or replaced as required.
5. When demolishing concrete driveways, remove to limit shown or to closest joint in order to provide a clean transition from the proposed sidewalk.
6. When demolishing sidewalks perpendicular to street remove to limit shown or to closest joint beyond (maximum of 4 feet) in order to provide a clean transition.
7. Flower beds, planters, fences, retaining walls, etc. adjacent to or near existing and proposed sidewalks not to be removed that are disturbed during construction shall be restored to original or better condition.
8. Flower beds, planters, fences, etc. in the path of the proposed sidewalks shall be removed during construction. Contractor shall coordinate with the property owner to determine if items are to be removed from the job site or returned to the property owner. Fences parallel to the proposed sidewalk shall be relocated as indicated on plans.
9. All driveway radii to be 5', unless otherwise noted. See sheets 59-80 for driveway widths.



Typical Retaining Wall
N.T.S

West 26th Street Sidewalk Sta 00+00 to 10+00

General Notes:

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2. It is the intent of these plans to comply with all City of Bryan guidelines, details, and specifications.
3. All grades are top of walk or top of pavement unless otherwise specified.
4. Flower beds, shrubs, and planters shall be removed as necessary to install sidewalks as shown.

Owner Name and Address:

CITY OF BRYAN
The Good Life, Texas Style.
PO Box 1000 - Bryan, Texas 77805

Firm Name and Address:

J4 Engineering
PO Box 5192 - Bryan, Texas - 77805
979-739-0567 www.J4Engineering.com
Firm # 9951

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Project Name and Address:

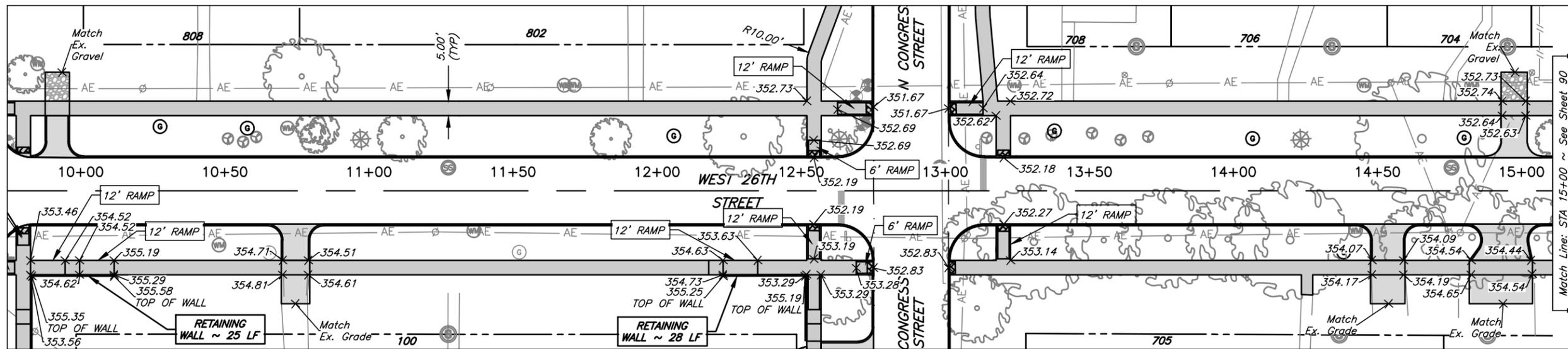
**West 26th Street
Rehabilitation**

City of Bryan Project Number
332-411-425-611-DE-0915
Bryan, Brazos County, Texas

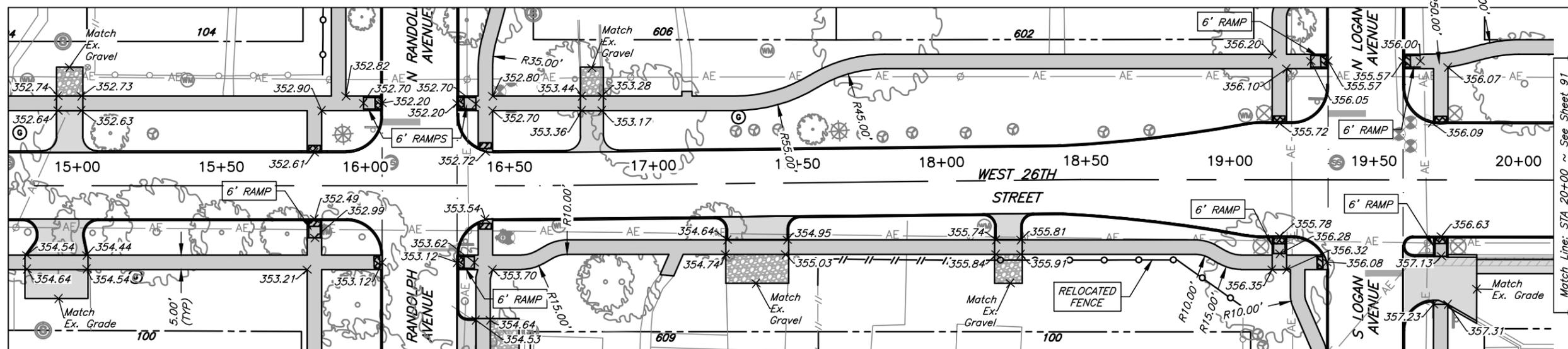
Date: Apr 2016
Scale: As Noted
Sheet: 89



West 26th Street Sta 10+00 to 15+00



West 26th Street Sta 15+00 to 20+00



Notes:

1. ADA ramp slopes shall not exceed 1v:12h.
2. The contractor shall follow the general intent of the grading plans. Minor adjustments to the actual elevations shown on the grading plan may be required to match existing ground elevations and structures.
3. All ADA access shall comply with local and state requirements.
4. All driveways and driveway aprons are concrete, unless otherwise noted. Driveways will be replaced in "kind" past the proposed sidewalk as shown. Contractor to provide gravel as required for smooth transition on gravel driveways. All curbs (past proposed sidewalks) on existing driveways (concrete, asphalt, gravel, etc) shall be preserved or replaced as required.
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9. All driveway radii to be 5', unless otherwise noted. See sheets 59-80 for driveway widths.

West 26th Street Sidewalk Sta 10+00 to 20+00

General Notes:

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Apr 2016

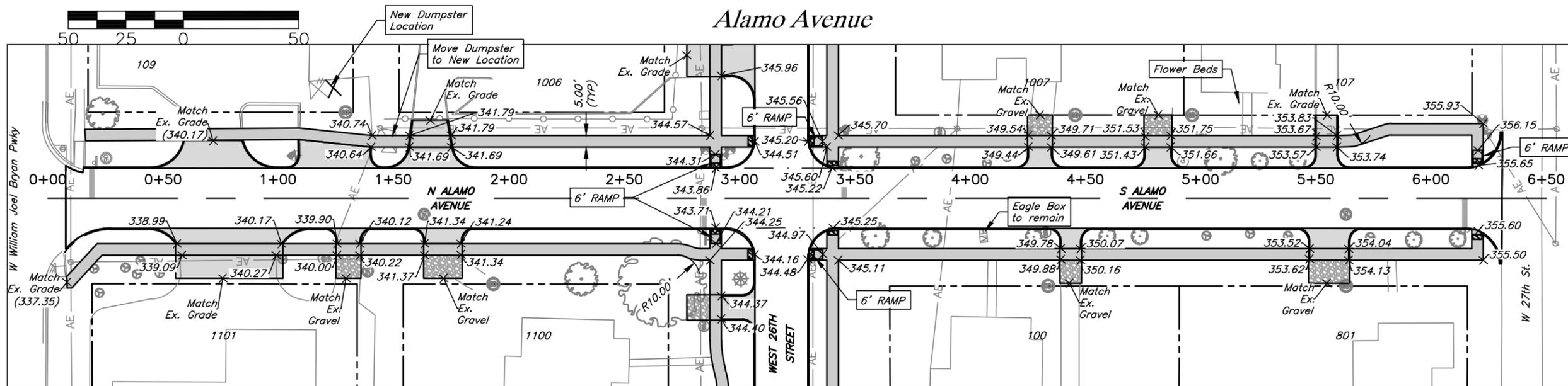
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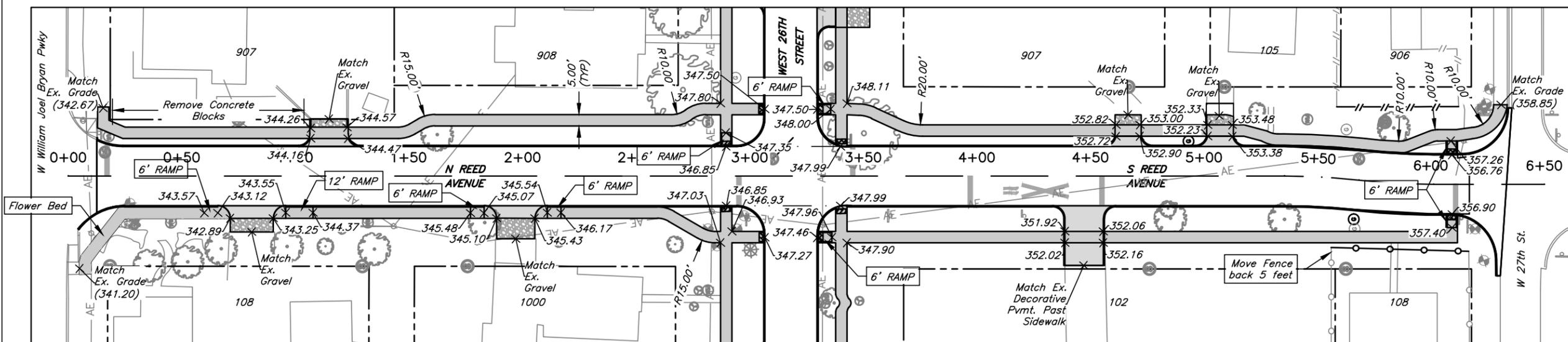
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90



Alamo Avenue



Reed Avenue



Notes:

1. ADA ramp slopes shall not exceed 1v:12h.
2. The contractor shall follow the general intent of the grading plans. Minor adjustments to the actual elevations shown on the grading plan may be required to match existing ground elevations and structures.
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Alamo Avenue & Reed Avenue Sidewalk

General Notes:

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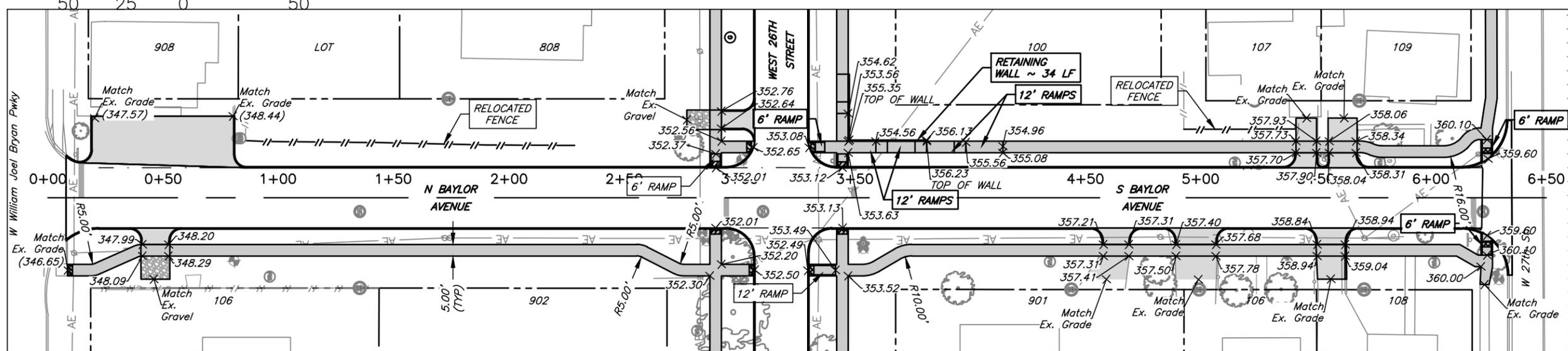
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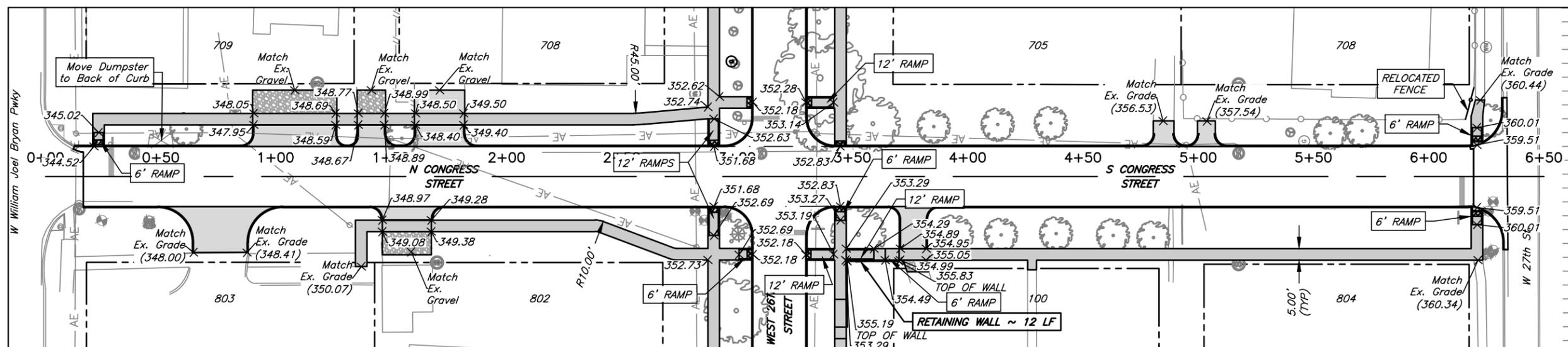
92



Baylor Avenue



Congress Street



Notes:

1. ADA ramp slopes shall not exceed 1v:12h.
2. The contractor shall follow the general intent of the grading plans. Minor adjustments to the actual elevations shown on the grading plan may be required to match existing ground elevations and structures.
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Baylor Avenue & Congress Street Sidewalk

General Notes:

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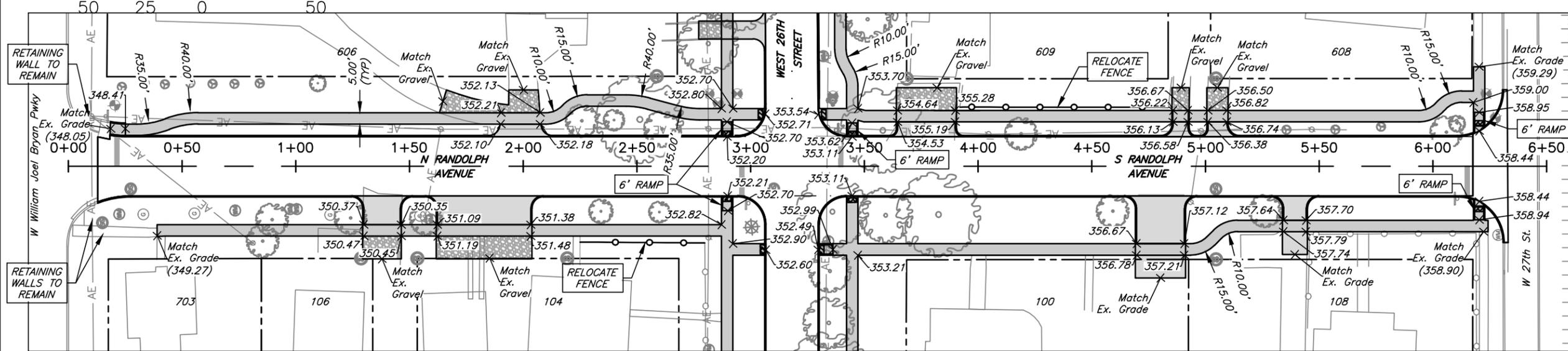
Project Name and Address:

West 26th Street Rehabilitation
City of Bryan Project Number
332-411-425-611-DE-0915
Bryan, Brazos County, Texas

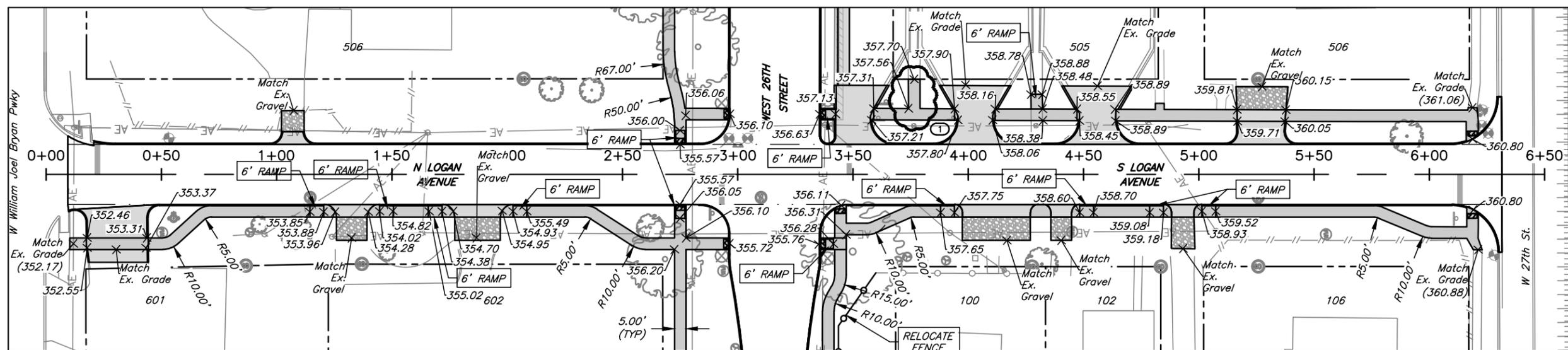
Date:	Apr 2016	Sheet:	93
Scale:	As Noted		



Randolph Avenue



Logan Avenue



Notes:

1. ADA ramp slopes shall not exceed 1v:12h.
2. The contractor shall follow the general intent of the grading plans. Minor adjustments to the actual elevations shown on the grading plan may be required to match existing ground elevations and structures.
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5. When demolishing concrete driveways, remove to limit shown or to closest joint in order to provide a clean transition from the proposed sidewalk.
6. When demolishing sidewalks perpendicular to street remove to limit shown or to closest joint beyond (maximum of 4 feet) in order to provide a clean transition.
7. Flower beds, planters, fences, retaining walls, etc. adjacent to or near existing and proposed sidewalks not to be removed that are disturbed during construction shall be restored to original or better condition.
8. Flower beds, planters, fences, etc. in the path of the proposed sidewalks shall be removed during construction. Contractor shall coordinate with the property owner to determine if items are to be removed from the job site or returned to the property owner. Fences parallel to the proposed sidewalk shall be relocated as indicated on plans.
9. All driveway radii to be 5', unless otherwise noted. See sheets 59-80 for driveway widths.

Randolph Avenue & Logan Avenue Sidewalk

General Notes:

1. All construction shall be in accordance with the current BCS Standard Specifications, Details, and Design Guidelines for Water, Sewer, Streets, and Drainage, unless otherwise noted.
2. It is the intent of these plans to comply with all City of Bryan guidelines, details, and specifications.
3. All grades are top of walk or top of pavement unless otherwise stated.
4. Flower beds, shrubs, and planters shall be removed as necessary to install sidewalks as shown.

1	REVISED SIDEWALK	APR 28th
ADDENDUM NO. 4		

Owner Name and Address:

CITY OF BRYAN
The Good Life, Texas Style.
PO Box 1000 - Bryan, Texas 77805

Firm Name and Address:

J4 Engineering
PO Box 5192 - Bryan, Texas - 77805
979-739-0567 www.J4Engineering.com
Firm# 9951

Seal:

The seal on this document was authorized by Glenn Jones #97600 on this date, Apr 8, 2016. Alteration of a sealed document with out proper notification to the responsible engineer is an offense under the Texas Engineering Practice Act.

Project Name and Address:

West 26th Street Rehabilitation
City of Bryan Project Number
332-411-425-611-DE-0915
Bryan, Brazos County, Texas

Date:	Apr 2016	Sheet:	94
Scale:	As Noted		

