

WACO MKT EAST WACO RAILS TO TRAILS CONNECTION
DALLAS STREET TO FM 933 - (WACO PROJECT NUMBER)



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ENGINEERING DIIN

AR
KYLE DEEVER

I NI
ANDREA J. BAREFIELD - COUNCIL DIST. 1
HECTOR SABIDO - COUNCIL DIST. 2
JOHN KINNAIRD - COUNCIL DIST. 3
DILLON MEEK - COUNCIL DIST. 4
JIM HOLMES - COUNCIL DIST. 5

I ANAGER
WILEY STEM III

DRAWING INDEX

....
ER EE

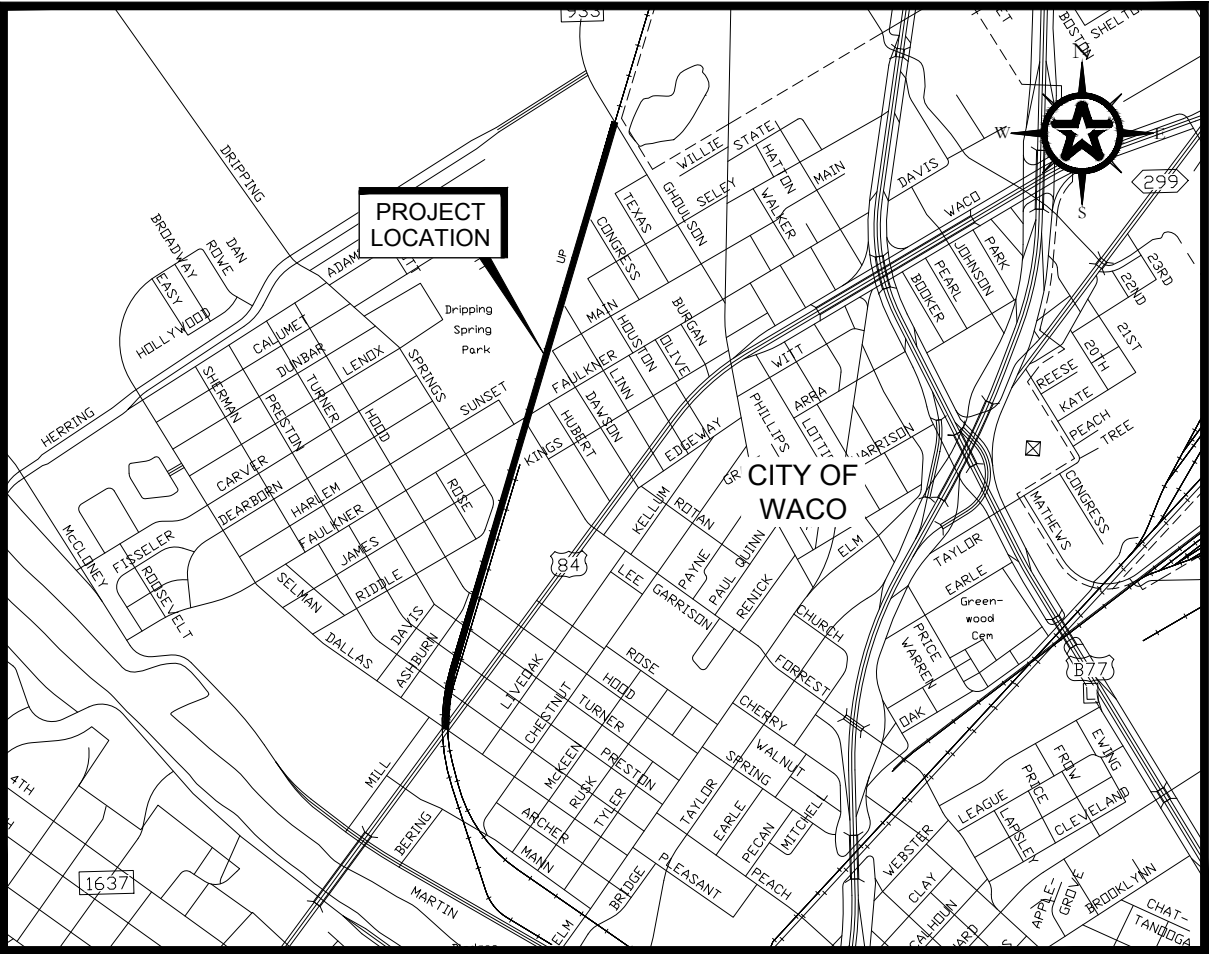
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T.B.P.E. REGISTRATION NO. 8053

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CLARK W. GAUER
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G:\PROJECTS\1-02114\2 DESIGN\2.0 CAD\6 MKT RAILS TO TRAILS CONNECTION\1-02114.05 - COW GENERAL NOTES.DWG, C001, 6/25/2019 11:35:59 AM, psexton

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
L	1.00 SPECIFICATIONS													
	1.01 ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF WACO STANDARD SPECIFICATIONS FOR CONSTRUCTION (THE CURRENT VERSION) AND APPLICABLE CITY OF WACO MANUAL OF STANDARD DETAILS (WMSD) UNLESS OTHERWISE NOTED.													
K	2.00 CONTRACT ADMINISTRATION													
	2.01 THE CONTRACT IS A WRITTEN AGREEMENT BY WHICH THE CONTRACTOR HAS COMMITTED TO COMPLETE THE SPECIFIC SCOPE OF WORK, IN COMPLIANCE WITH THE DRAWINGS, SPECIFICATIONS, SCHEDULE, AND ALL APPLICABLE LAWS, RULES AND REGULATIONS. COMPENSATIONS FOR SAID WORK SHALL BE MADE AS DESCRIBED IN THE AGREED-UPON PROPOSAL.													
	2.02 ANY REQUEST FOR CHANGE TO THE DESIGN, SCHEDULE, OR PROJECT COST MUST BE MADE IN WRITING AND APPROVED PRIOR TO IMPLEMENTATION.													
J	3.00 SUBMITTALS													
	3.01 THE CONTRACTOR SHALL SUBMIT, WITHIN 10 DAYS OF THE EFFECTIVE DATE OF THE NOTICE TO PROCEED, THE FOLLOWING:													
	- THE NAME AND CONTACT INFORMATION OF THE PROJECT SUPERINTENDENT; - THE NAME AND CONTACT INFORMATION OF THE EMERGENCY CONTACT; - THE NAME, QUALIFICATIONS, AND CONTACT INFORMATION OF THE DESIGNATED SAFETY REPRESENTATIVE(S); - THE NAME AND CONTACT INFORMATION FOR THE DESIGNATED PROJECT MANAGER FOR THIS CONTRACT.													
I	4.00 TRAFFIC CONTROL PLAN (TCP)													
	4.01 WHEN REQUIRED, THE CONTRACTOR IS RESPONSIBLE FOR SUBMITTING A TRAFFIC CONTROL PLAN FOR REVIEW. THE PLAN SHALL BE BASED UPON APPLICABLE CITY AND STATE REQUIREMENT AND ESTABLISHED STANDARDS.													
	4.02 THE CONTRACTOR IS RESPONSIBLE FOR MONITORING THE PLAN AS THE WORK PROGRESSES AND SUBMITTING MODIFICATIONS FOR REVIEW AS NEEDED.													
	4.03 THE CONTRACTOR IS ALSO RESPONSIBLE FOR ENSURING THE INSPECTOR IS PROVIDED A COPY OF THE SIGNED PLAN 15 DAYS PRIOR TO BEGINNING WORK.													
H	5.00 TRENCH SAFETY PLANS													
	5.01 WHEN REQUIRED BY THE WORK, THE CONTRACTOR SHALL SUBMIT A TRENCH SAFETY PLAN FOR REVIEW. THE PLAN SHALL INCLUDE THE RECOMMENDED SAFETY PROTECTION MEASURES WITH THE APPROPRIATE LOADING REQUIREMENTS.													
	5.02 THE CONTRACTOR SHALL ENSURE THAT THE PROTECTIVE MEASURES LOCATED ON SIDE AND ALL PROCEDURES ON THE PROJECT ARE IN COMPLIANCE WITH ALL ASPECTS OF THE PLAN.													
	5.03 THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE RULES AND REGULATIONS.													
	5.04 ALL RELATED DOCUMENTATION WILL BE MADE AVAILABLE TO THE INSPECTOR ON A DAILY BASIS. THE CONTRACTOR SHALL PROVIDE COPIES OF ALL RELATED DOCUMENTATION TO THE OWNER UPON REQUEST.													
G	6.00 UTILITIES													
	6.01 EXISTING UTILITIES HAVE BEEN SHOWN AS BEST AS CAN BE DETERMINED FROM UTILITY COMPANY RECORDS AND INVESTIGATION. THE UTILITY LINE LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE ONLY AND ARE FURNISHED AS A GUIDE FOR THE CONTRACTOR. THE CONTRACTOR WILL VERIFY THE LOCATION AND ELEVATION OF ALL UTILITIES BEFORE BEGINNING EXCAVATION.													
	6.02 GAS LINES TO BE RELOCATED OR ADJUSTED BY OTHERS. TELEPHONE LINES TO BE RELOCATED OR ADJUSTED BY OTHERS. UTILITY POLES TO BE RELOCATED BY OTHERS.													
	6.03 THE CONTRACTOR SHALL NOTIFY, (SEE DETAILED LIST BELOW), PRIOR TO STARTING CONSTRUCTION ON ANY STREET IN THE VICINITY OF ANY EXISTING UTILITIES SO THAT ANY ADJUSTMENTS OF EXISTING UTILITIES THAT HAVE NOT BEEN PREVIOUSLY MADE CAN BE MADE PRIOR TO CONSTRUCTION.													
F	7.00 STORM WATER POLLUTION PREVENTION PLAN (EROSION CONTROL PLAN)													
	7.01 THE EROSION CONTROL PLAN PROVIDED IN THE PLAN SET SHALL BE CONSIDERED THE MINIMUM EROSION CONTROL MEASURES FOR THE PROJECT.													
	7.02 IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY "TO DEVELOP AND IMPLEMENT A STORM WATER POLLUTION PREVENTION PLAN IN ACCORDANCE WITH TCEQ GENERAL PERMIT TXR150000 PRIOR TO THE BEGINNING OF CONSTRUCTION ACTIVITY", AS DESCRIBED IN SECTION 1.10: STORM WATER POLLUTION PREVENTION IN THE CITY OF WACO'S 2013 STANDARD SPECIFICATIONS FOR CONSTRUCTION, IF NEEDED. THE CONTRACTOR IS RESPONSIBLE FOR MONITORING THE PLAN AS THE WORK PROGRESSES AND SUBMITTING MODIFICATIONS FOR REVIEW AS NEEDED. THE CONTRACTOR IS ALSO RESPONSIBLE FOR ENSURING THE INSPECTOR IS PROVIDED A COPY OF THE APPROVED AND SIGNED PLAN PRIOR TO BEGINNING WORK.													
D	8.00 STREET CONSTRUCTION													
	8.01 WHERE NEW CURB AND GUTTER IS PLACED NEXT TO EXISTING CURB AND GUTTER, THE GUTTER GRADES SHALL MATCH, AND A $\frac{1}{2}$ " EXPANSION JOINT SHALL BE ADDED BETWEEN THE OLD AND NEW CURB AND GUTTER, WITH #4 DOWEL PINS USED TO CONNECT THE TWO.													
	8.02 EXISTING PAVEMENT SHALL BE SAWED TO A SMOOTH STRAIGHT LINE AT THE BEGINNING AND END OF STREET CONSTRUCTION WHERE SHOWN AND AT ALL CONSTRUCTION LIMITS WHERE SHOWN.													
	8.03 IN THE CASE OF A STREET BEING LIME STABILIZED AND CURB AND GUTTER BEING REPLACED, OR NEW CURB AND GUTTER BEING CONSTRUCTED, EACH EXISTING WATER METER THAT IS NOT AT LEAST 2' BEHIND THE PROPOSED BACK OF CURB SHALL BE RELOCATED TO AT LEAST 2' BEHIND THE PROPOSED BACK OF CURB. EACH NEW WATER SERVICE IN THIS CASE SHALL BE CONSTRUCTED SUCH THAT THE METER IS AT LEAST 2' BEHIND THE PROPOSED BACK OF CURB.													
	8.04 INSTALLATION OF ANY PIPE WITHIN THE RIGHT-OF-WAY PROPOSED OR EXISTING STREET SHALL REQUIRE THE SAME EMBEDMENT AS FOR INSTALLATION IN STREETS.													
C	9.00 STORM SEWER													
	9.01 MEASUREMENT FOR PAYMENT FOR REINFORCED CONCRETE PIPE SHALL EXTEND ONLY TO THE INSIDE FACE OF MANHOLE WALLS AND SHALL EXCLUDE THE INSIDE MANHOLE DIMENSION.													
	9.02 EXISTING R.C.P. SHALL BECOME PROPERTY OF THE CONTRACTOR UPON REMOVAL FROM THE PROJECT.													
B	10.00 ENVIRONMENTAL AND SAFETY PLANS													
	10.01 THE CONTRACTOR SHALL SUBMIT FOR REVIEW ALL REQUIRED ENVIRONMENTAL AND SAFETY PLANS FOR THE COMPLETION OF THE WORK. THE WORK WILL NOT BE PERMITTED TO BEGIN UNTIL ALL RELATED PLANS HAVE BEEN REVIEWED BY THE APPROPRIATE PARY(IES).													
A	A1	CITY OF WACO STANDARD NOTES								A10				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14

THE APPROPRIATE CONTACT PEOPLE FOR UTILITIES ARE AS FOLLOWS:

AT&T
CALVIN PEWITT
(254) 757-7810 (O)
(254) 715-7869 (M)

CITY OF WACO SOLID WASTE
ROBERT BEDERKA (OPERATIONS MANAGER)
(254) 299-2606

ATMOS ENERGY
RICK SULAK
(254) 722-6566
DUSTIN CUMMINGS
(254) 715-8107

MCI
FRANK WALKER
(254) 753-3442

GRANDE COMMUNICATIONS
JOHNNY HUTYRA
(254) 235-2072

PAETEC
TRACY COVINGTON
(817) 934-1469

CENTURY LINK (FORMERLY LEVEL 3)
HUGH NIELSEN
(512) 656-4763

TIME WARNER (SPECTRUM/CHARTER)
SHANNA BEACH
(254) 761-3885
(254) 217-6954

CITY OF WACO WATER DISTRIBUTION AND
SANITARY SEWER
DANA JOHNSTON
(254) 749-7835

CCJ
BRIAN STORY
(214) 232-7119

CITY OF WACO OPERATIONS DIVISION
FRANK BUTLER (STREETS AND DRAINAGE)
(254) 749-8481

CITY OF WACO TRAFFIC MANAGER
ERIC GALLT
(254) 750-6639

CITY OF WACO TRAFFIC SECTION -
ELECTRICAL CONDUIT
BILLY DEHART
(254) 749-4087

CITY OF WACO TRANSIT
JOSEPH DVORSKY
(254) 750-1744

12.05 ONE CALL NOTIFICATIONS CENTERS: CONTACT CENTER NOT LESS THAN THREE WORKING DAYS BEFORE PERFORMING WORK.

12.06 REQUEST UNDERGROUND UTILITIES TO BE LOCATED AND MARKED WITHIN AND SURROUNDING CONSTRUCTION AREAS

LONESTAR NOTIFICATION CENTER
WEBSITE: HTTP://WWW.OCCINC.COM/LOCATIONS/LONE_STAR.ASP
(800) 669-8344

TEXAS EXCAVATION SAFETY SYSTEM
WEBSITE: HTTP://WWW.DIGTESS.ORG
(800) DIG-TESS OR (800) 344-8377

TEXAS ONE CALL SYSTEM
WEBSITE: HTTP://WWW.TEXASONECALL.COM
(800) 245-4545

UNDERGROUND PIPELINE (GAS) DAMAGE REPORTING
WEBSITE: HTTP://WWW.RRC.STATE.TX.US/PROGRAMS/DAMAGEPREVENTION/INDEX.PHP
OPERATIONS CENTER: (800) 460-3030 OR (800) 545-6005

REV.	DESCRIPTION	DATE

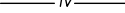
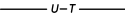
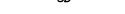
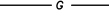
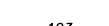
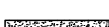


WACO MKT EAST WACO RAILS
TO TRAILS CONNECTION

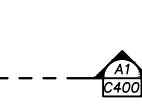
CITY OF WACO STANDARD
PROJECT NOTES

PRELIMINARY
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	PREPARED	CWG
	CHECKED	PES
	PROJECT NO.	CWG
	COW PROJECT NO.	1-02114.05
DRAWING NO.		XXX
C001		

	EX. EDGE OF PAVEMENT
	PROPERTY LINE
	ROAD CENTERLINE
	EX. RAILROAD
	EX. FENCE
	WASTEWATER LINE
	EX. WATER LINE
	EX. UNDERGROUND TELEVISION LINE
	EX. AERIAL TELEVISION LINE
	EX. UNDERGROUND TELEPHONE LINE
	EX. ABOVE GROUND TELEPHONE LINE
	EX. STORM DRAIN
	EX. GASLINE
	EX. FORCEMAIN
	EX. CONTOUR LINE
	EX. CONCRETE
	EX. GRAVEL
	EX. BUILDING

SECTION IDENTIFICATION

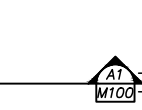


SECTION NUMBER
DRAWING ON WHICH SECTION APPEARS

DETAIL IDENTIFICATION



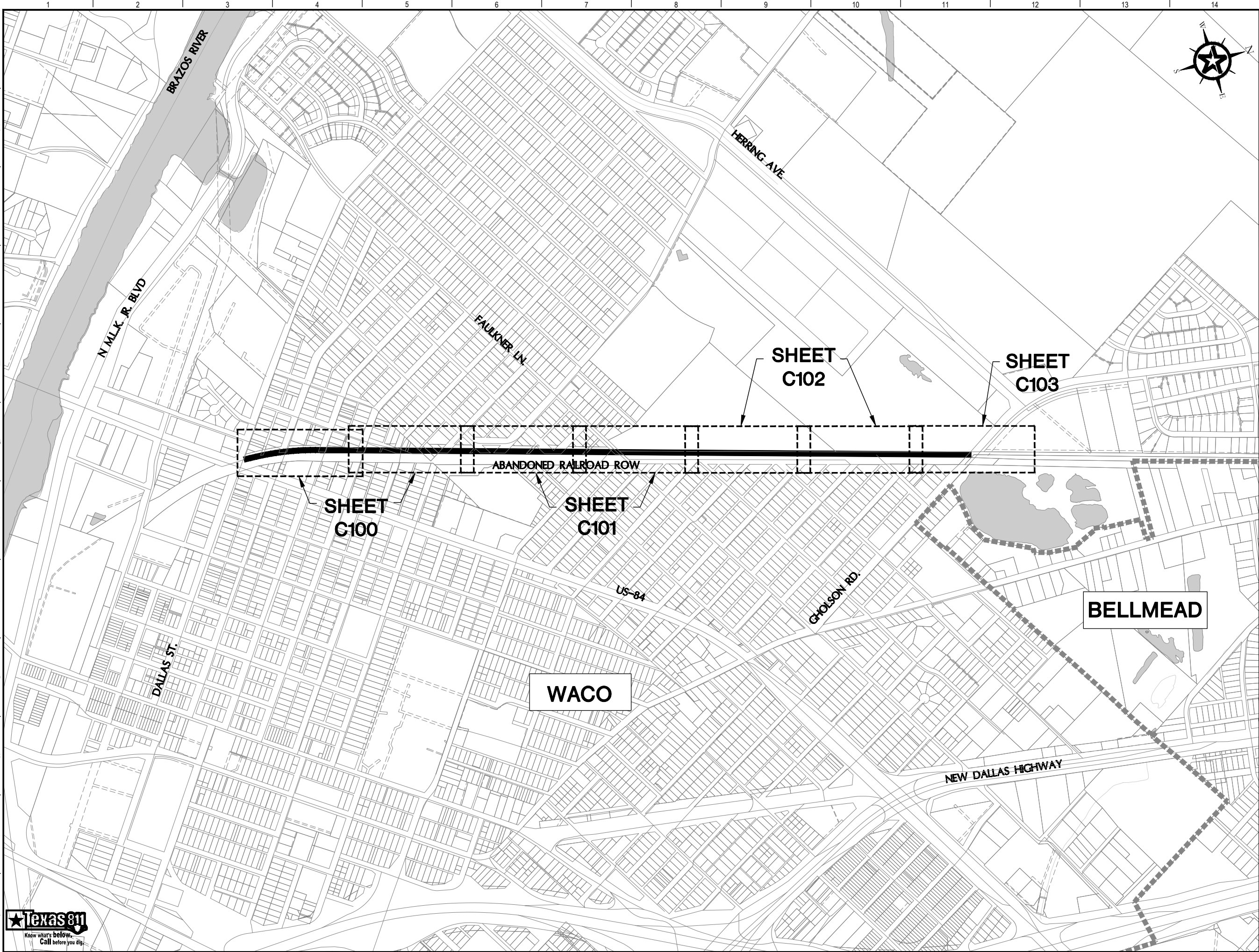
DETAIL NUMBER
DRAWING ON WHICH DETAIL IS SHOWN



ELEVATION MARKER
DRAWING ON WHICH ELEV. IS SHOWN

REV.	DESCRIPTION	DATE
 Walker Partners engineers ★ surveyors T.B.P.E. Registration No. 8053		
 CITY OF WACO		
WACO MKT EAST WACO RAILS TO TRAILS CONNECTION		
LEGENDS, ABBREVIATIONS, & SYMBOLS		
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ON THE DATE STAMP ON THE DATE STAMP, IT IS NOT TO BE USED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES.		DRAWING NO. C002

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LEGEND

----- CITY LIMITS

0 200 400 800
GRAPHIC SCALE (FEET)

REV.	DESCRIPTION	DATE
------	-------------	------

 **Walker Partners**
engineers ★ surveyors
T.B.P.E. Registration No. 8053

 **CITY OF WACO**

**WACO MKT EAST WACO RAILS
TO TRAILS CONNECTION**

OVERALL PROJECT MAP

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CLARK W. J. JONES

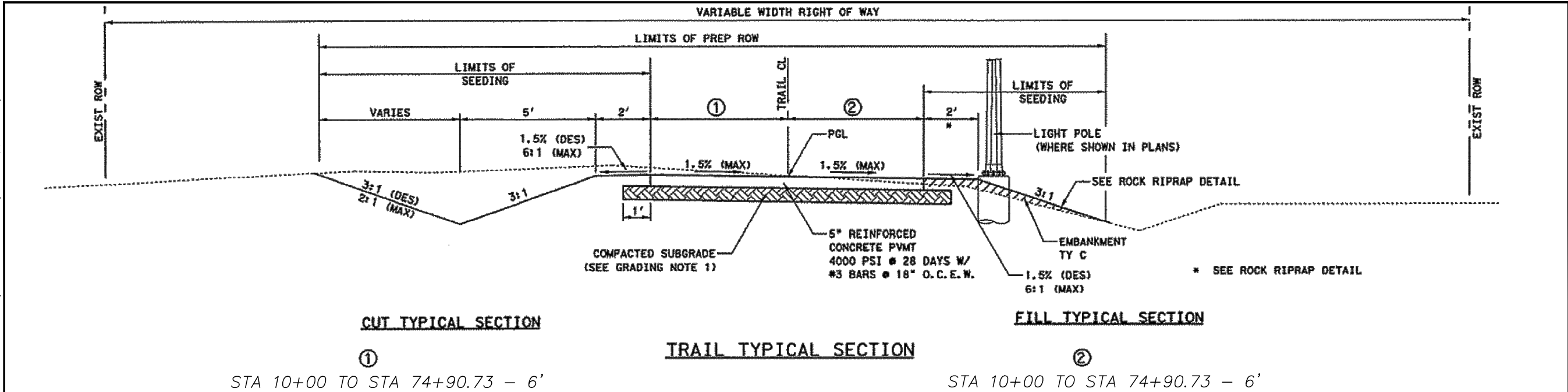
ON THE DATE SHOWN ON THE
DATE STAMP, IT IS NOT TO BE
USED FOR CONSTRUCTION,
BIDDING, OR PERMIT PURPOSES.

REVIEWED BY	CWG
DESIGNED	CWG
DRAWN	PES
CHECKED	CWG
PROJECT NO.	1-02114.05
CDM PROJECT NO.	XXX

DRAWING NO.
C003

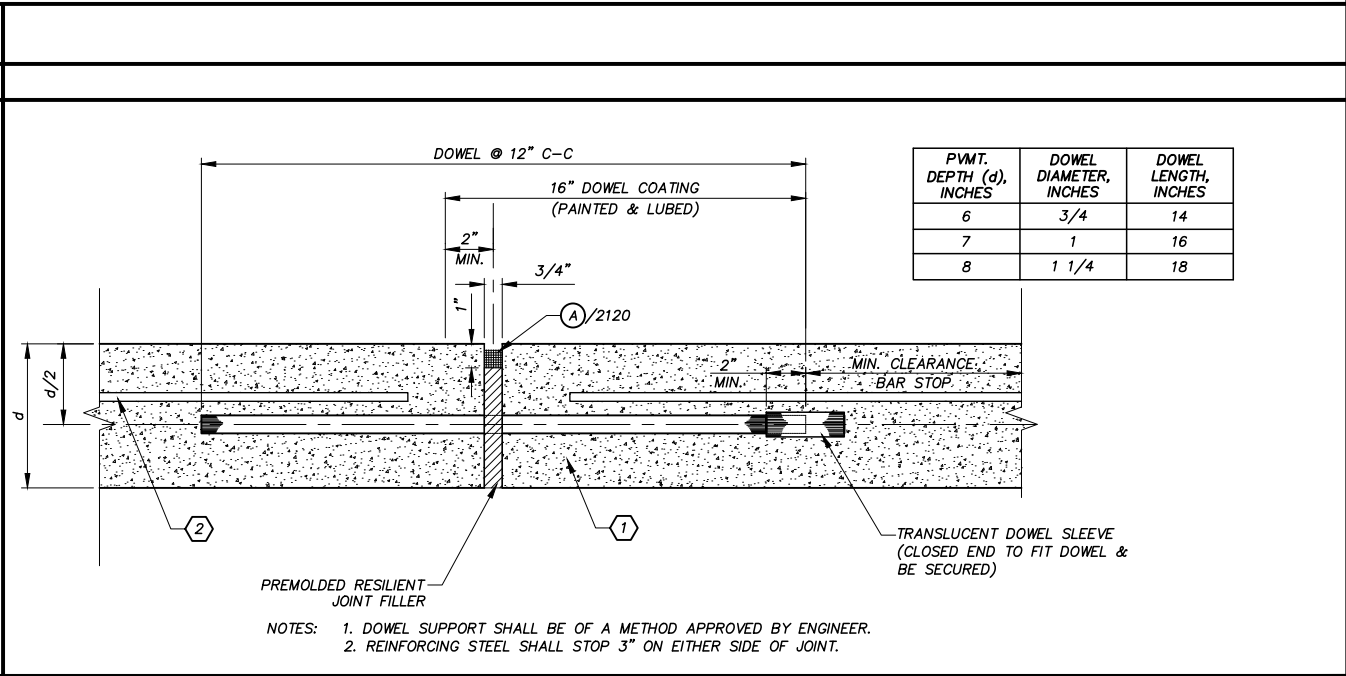
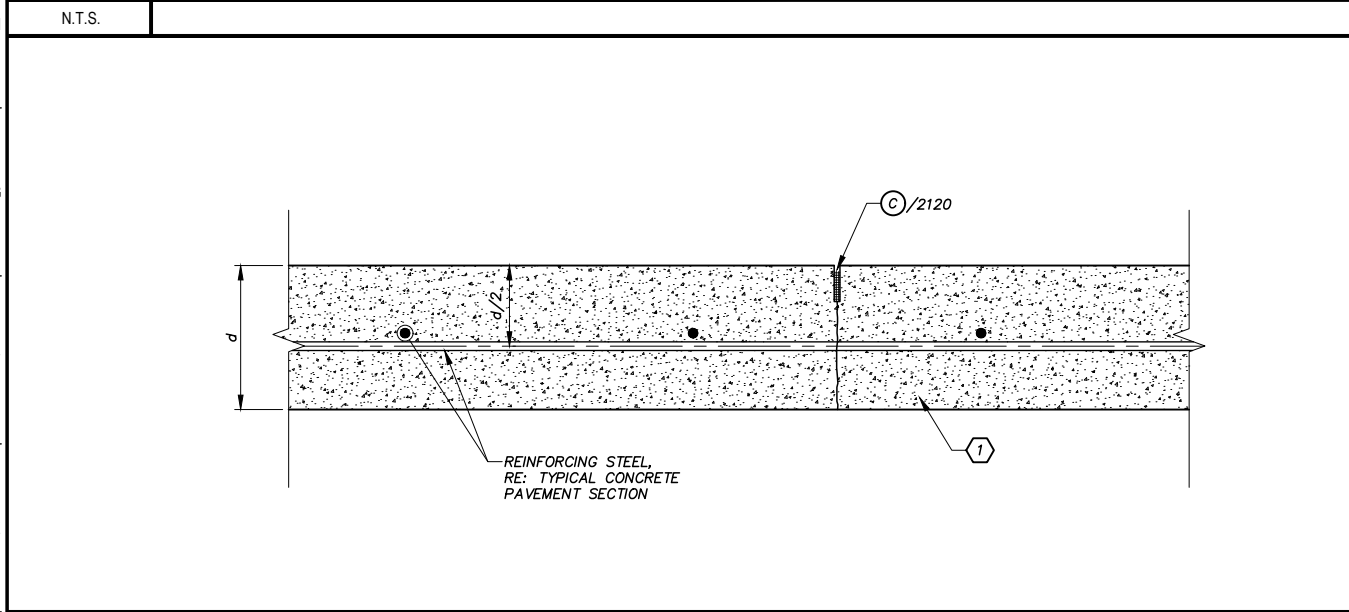


G:\PROJECTS\1-0211412 DESIGN\2.0 CAD\6 MKT RAILS TO TRAILS CONNECTION\1-02114.05 - TYPICAL SECTIONS & PAVING.DWG, C004, 6/25/2019 11:37:23 AM, jpscton



- ### SPECIAL NOTES FOR REINFORCED CONCRETE PAVING
- ① ALL REINFORCED CONCRETE PAVING SHALL BE IN ACCORDANCE WITH SPECIFICATION SECTION 32 13 13.
 - ② ALL REINFORCING STEEL SHALL BE IN ACCORDANCE WITH SPECIFICATION SECTION 32 13 13.
 - ③ ALL REINFORCING SIZING AND SPACING SHALL BE INDICATED ON THE "TYPICAL SECTION."
 - ④ INTEGRAL CONCRETE CURB AND/OR CONCRETE CURB AND GUTTER SHALL BE THE SAME MIX DESIGN AND COMPRESSIVE STRENGTH AS THE CONCRETE PAVING
 - ⑤ EXPANSION JOINTS SHALL BE SPACED AT 600' C-C (MAXIMUM) AND AT ALL STRUCTURES, INTERSECTIONS, P.C.'S & P.T.'S
 - ⑥ LONGITUDINAL CONTRACTION JOINT OR CONSTRUCTION JOINT SHALL BE THE WIDTH OF EACH LANE, BUT SHALL NOT EXCEED 15' C-C

H1 TRAIL TYPICAL SECTION

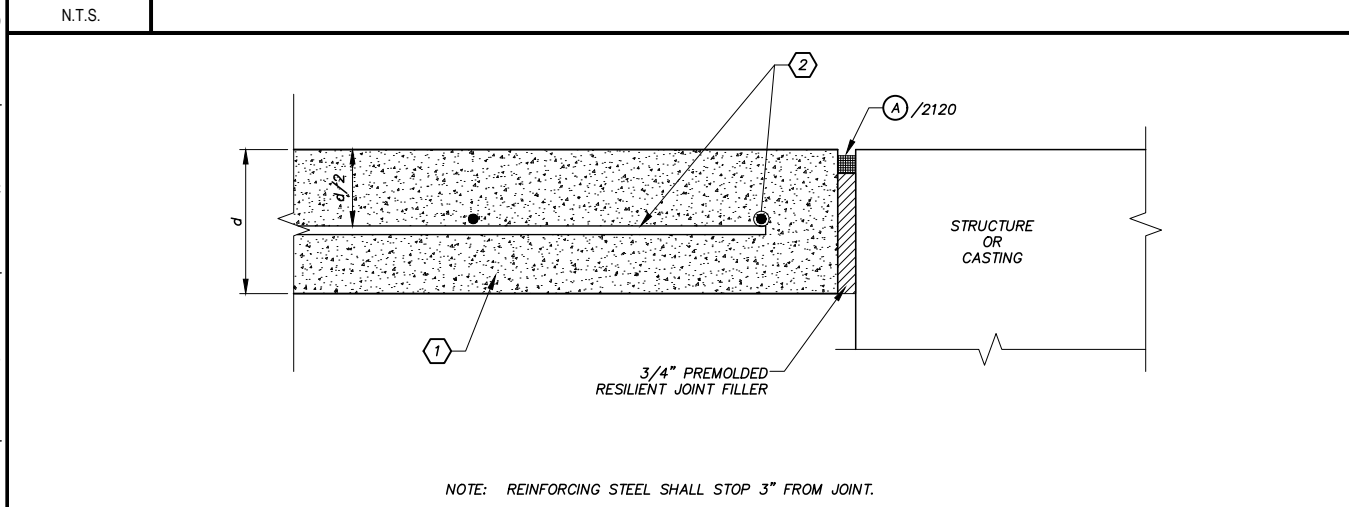


LEGEND

	SEALANT
	BOND BREAKER MATERIAL
	PREMOLDED RESILIENT JOINT FILLER
	JOINT BACKER ROD MATERIAL (CLOSED CELL RESILIENT FOAM OR SPONGE RUBBER)

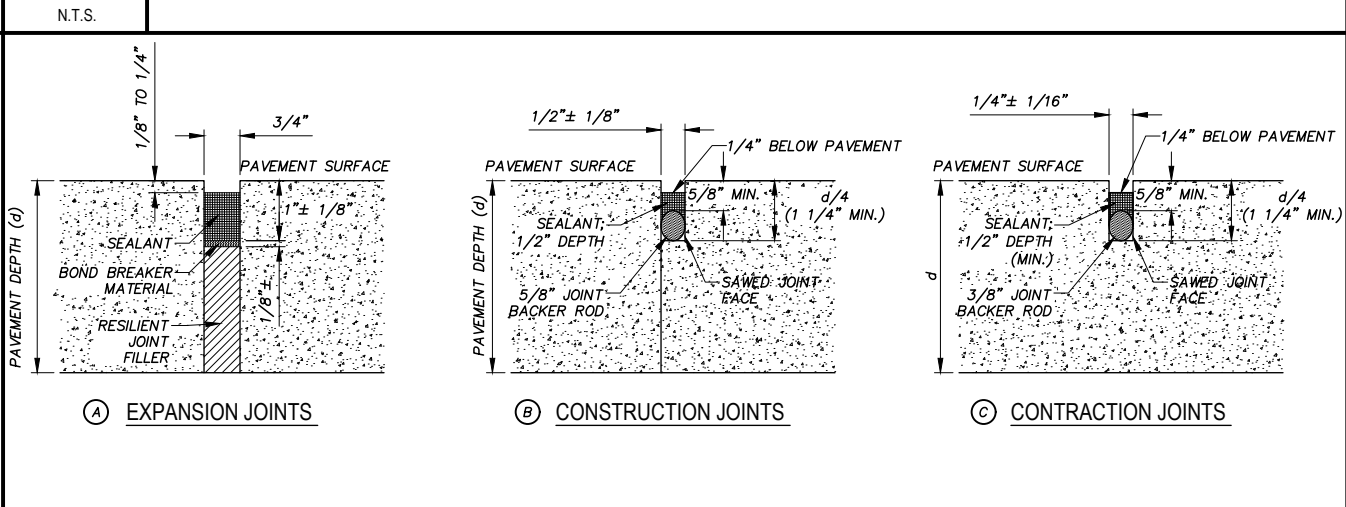
REV.	DESCRIPTION	DATE

2080 SAWED CONTRACTION JOINT



2090 ISOLATION JOINT

2110 EXPANSION JOINT



2120 DETAILS OF JOINTS IN RIGID PAVEMENT

Walker Partners
engineers ★ surveyors
T.B.P.E. Registration No. 8053

CITY OF WACO

WACO MKT EAST WACO RAILS TO TRAILS CONNECTION

TYPICAL PROPOSED TRAIL SECTION AND PAVING

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DESIGNED	CWG
DRAWN	CWG
CHECKED	PES
IN CHARGE	CWG
PROJECT NO.	1-02114.05
DRAWING NO.	XXX

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C004

CITY OF WACO CIP PROJECT DESIGNATION SIGN CONSTRUCTION STANDARD

The diagram illustrates the layout and dimensions of a City of Waco CIP Project Designation Sign. The sign is rectangular with a total width of 6' 0" and a total height of 4' 0".

Dimensions:

- Total Width: 6' 0"
- Total Height: 4' 0"
- Top Section Height: 18"
- Section below top: 2.5"
- Section below 2.5": 2" 2"
- Section below 2" 2": 2"
- Bottom Section Height: 8"
- Right Section Width: 16"

Sign Content and Layout:

- Top Section (18" high):** Features the "BUILDING WACO" logo (a gear with a circle inside) and the tagline "building, repairing and replacing vital infrastructure". To the right is a crane lifting a sign that says "BUILDING FOR THE FUTURE".
- Section below top (2.5" high):** Contains the text "Project Title Project Title Project Title" repeated three times.
- Section below 2.5" (2" 2" high):** Contains a bulleted list of "Project Highlights Project Highlights" repeated three times.
- Section below 2" 2" (2" high):** Contains the text "Construction Cost" and "Time to Completion".
- Bottom Section (8" high):** Contains the website "WWW.BUILDINGWACO.COM", the "Design Engineer Name and/or logo", the "Contractor Name and/or logo", and the "CITY OF WACO" logo.
- Right Section (16" wide):** Contains the "CITY COUNCIL" list:

CITY COUNCIL	
Kyle Deaver	-Mayor
Andrea J. Barefield	-District 1
Hector Sabido	-District 2
John Kinnaird	-District 3
Dillon Meek	-District 4
Jim Holmes	-District 5

COLORS

NAVY - PMS 276 or C=100 M=100 Y=0 K=58
WHITE

FONTS

Arial Bold

Building Waco, and *City of Waco* logos shall be obtained from the City of Waco

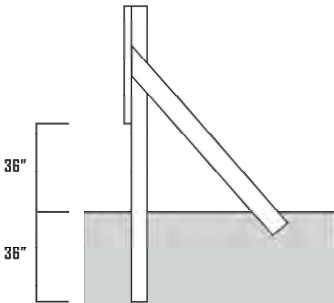
page 1 of 2

updated 02/15/19

page 1 of 2
updated 05/15/19

CITY OF WACO CIP PROJECT DESIGNATION SIGN CONSTRUCTION STANDARD (CONT)

1. Signs shall be made of aluminum composite material, such as DIBOND™, SIGNBOND™ or similar
2. Signs shall be mounted on 4" X 4" X 10' posts
3. Installation of signs shall require embedding all posts a minimum of 3 feet below the ground
4. Signs shall be mounted for display at least 3 feet above ground
5. Signs shall be placed in prominent location, along most major thoroughfare, within the project limits
6. Signs shall have their own support structure and be able to withstand 75 MPH winds
7. Support structures / posts shall be painted white
8. Signs shall be maintained throughout duration of construction by contractor. Signs shall remain clean, legible and structurally sound. If signs are damaged or stolen, they shall be replaced by contractor as soon as possible.
9. Signs shall be installed at least one week before construction begins and removed by contractor no later than one week after total acceptance of the project.



The diagram illustrates the construction standard for a sign. It shows a vertical post and a diagonal support structure, both labeled with a height of 36". The post is shown extending from a base into the ground. The diagonal support structure is shown extending from the top of the post down to the ground. The base of the post is labeled with a depth of 36".

page 2 of 2

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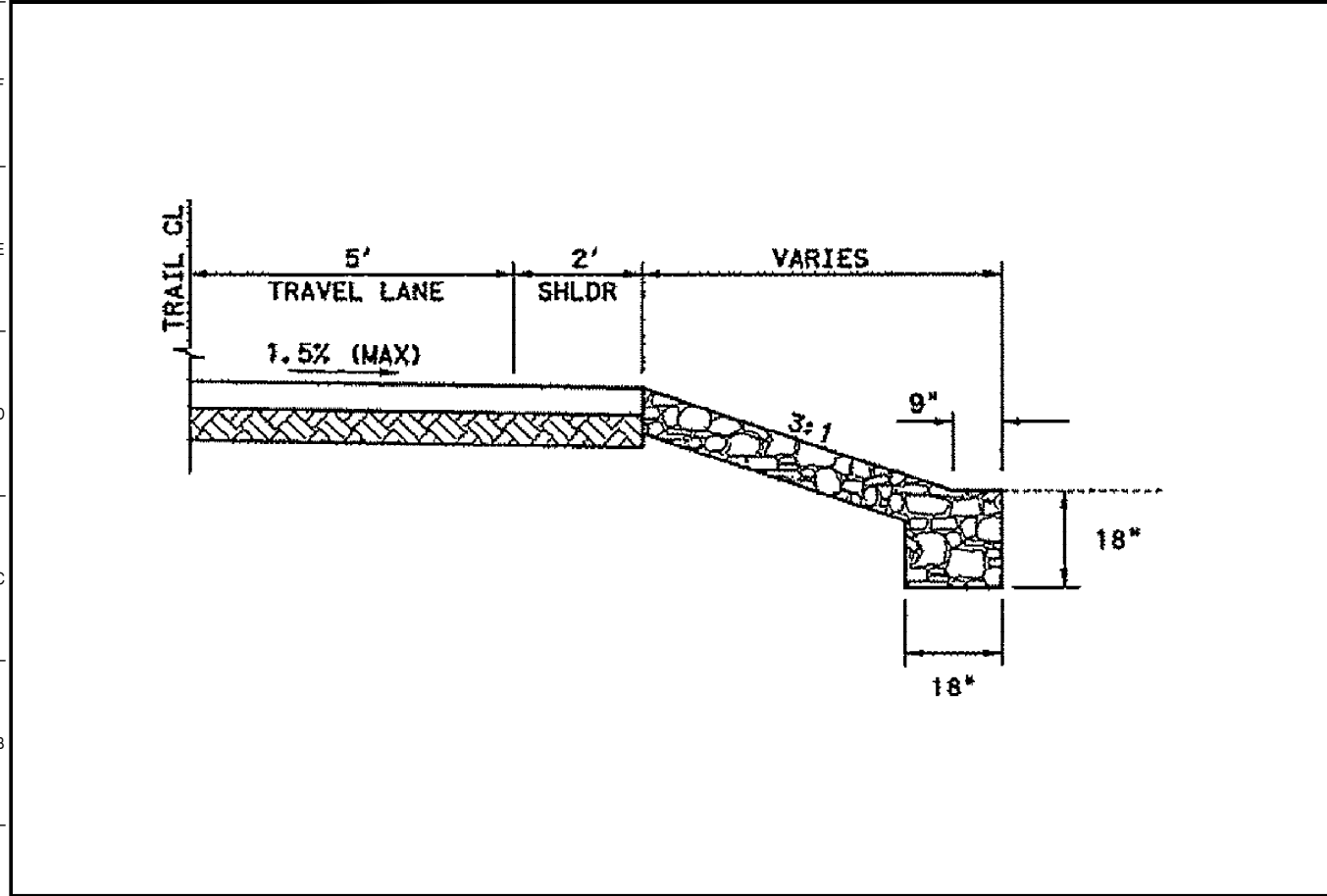
page 2 of 2

G1	CITY OF WACO CIP PROJECT DESIGNATION SIGN CONSTRUCTION STANDARD
N.T.S.	

N.T.S.

G8	CITY OF WACO SIGN CONSTRUCTION STANDARD
N.T.S.	

N.T.S.



A1	ROCK RIPRAP DETAIL
N.T.S.	

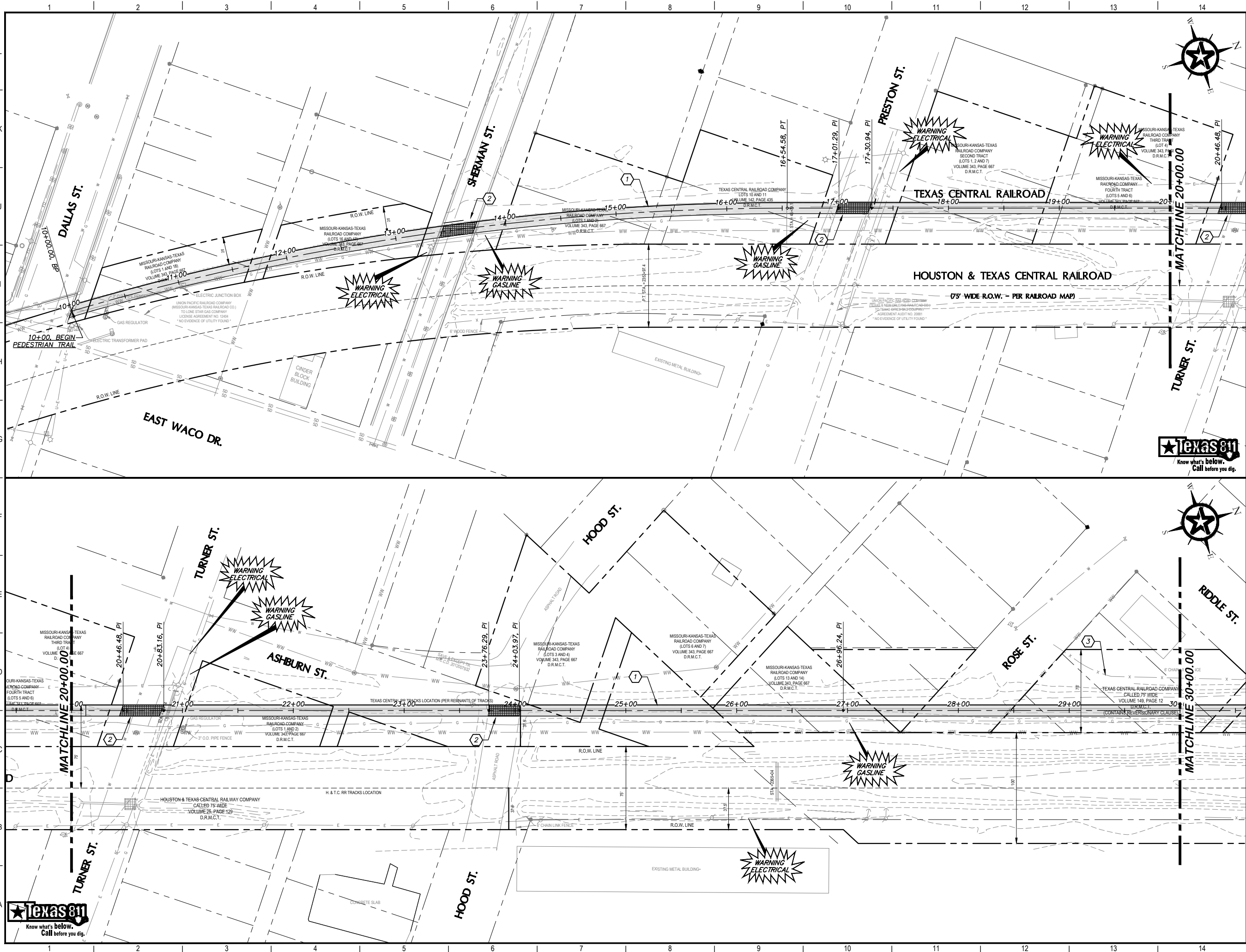
N.T.S.

A8	NOT USED
N.T.S.	

N.T.S.

REV.	DESCRIPTION	DATE	
 Walker Partners engineers ★ surveyors T.B.P.E. Registration No. 80653			
 CITY OF WACO			
WACO MKT EAST WACO RAILS TO TRAILS CONNECTION			
BUILDING WACO SIGN			
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		DRAWN	CWG
		CHECKED	PES
		IN CHARGE	CWG
		DATE PROJECT NO.	1-02114.05
DRAWING NO.		XXX	
DRAWING NO.		C005	

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KEY NOTES

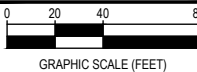
- 1 TRAIL
(RE. DETAIL H1/C004)
- 2 STREET CROSSING DETAIL
(RE. DETAILS C204)
- 3 EXISTING FENCE TO REMAIN
(PROTECT FROM DAMAGE)
- 4 REMOVE AND REPLACE 40 LF
EXIST. 4' CHAIN LINK FENCE

LEGEND

- FLOWLINE
- STREET CROSSING AREA
- THIS AREA IS NOT OWNED BY
THE CITY OF WACO AND CANNOT
BE USED FOR WORKSPACE AS
PART OF THIS PROJECT.

GENERAL NOTES

1. CONTRACTOR SHALL FIELD VERIFY EXACT
LOCATIONS AND ELEVATIONS OF EXISTING
UTILITIES BEFORE BEGINNING CONSTRUCTION.



REV.	DESCRIPTION	DATE
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WACO MKT EAST WACO RAILS
TO TRAILS CONNECTION

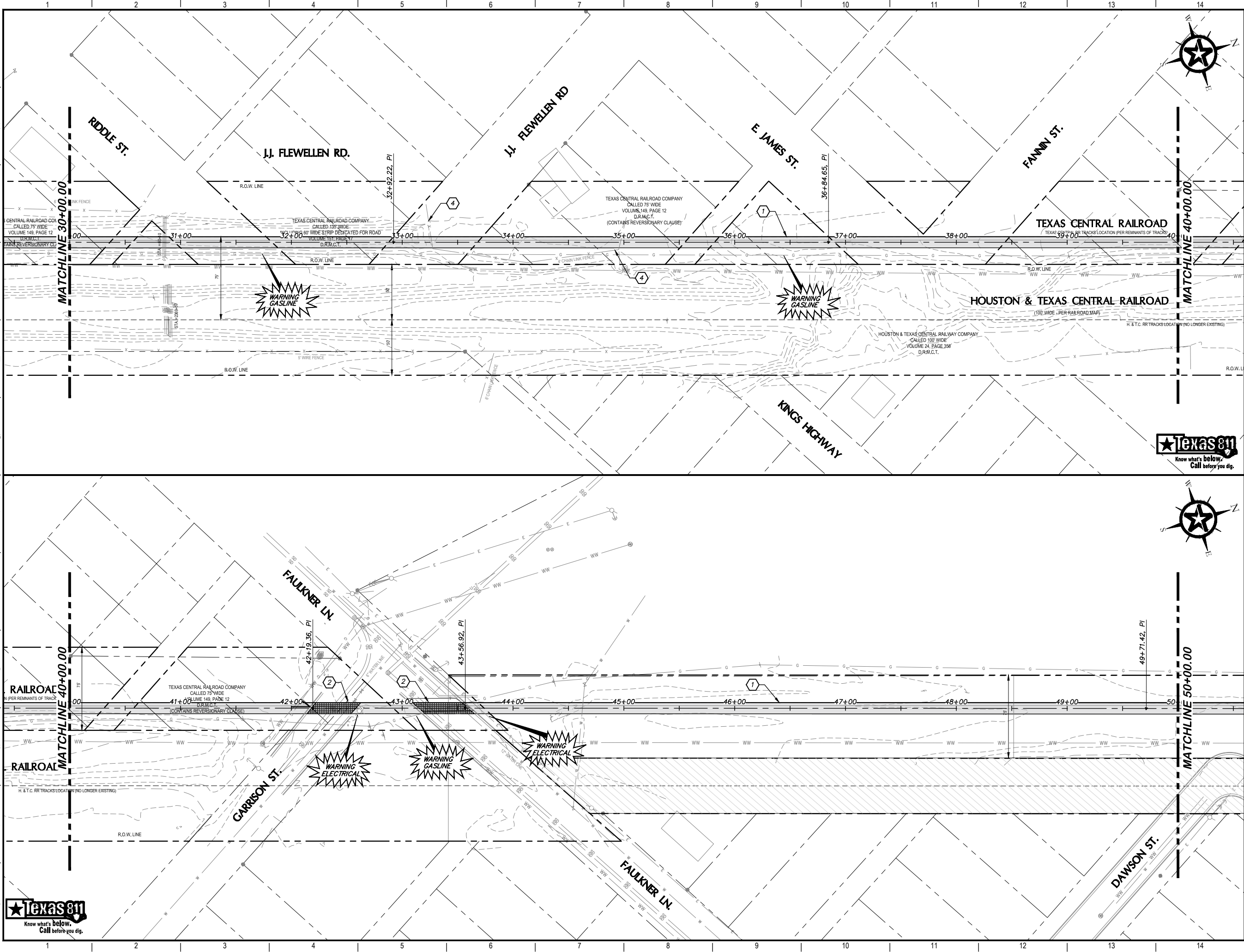
PLAN 10+00 TO 30+00

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DRAWING NO.
C100

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KEY NOTES

- 1 TRAIL
(RE. DETAIL H1/C004)
- 2 STREET CROSSING DETAIL
(RE. DETAILS C204)
- 3 EXISTING FENCE TO REMAIN
(PROTECT FROM DAMAGE)
- 4 REMOVE AND REPLACE 40 LF
EXIST. 4" CHAIN LINK FENCE

LEGEND

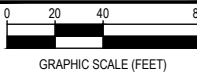
..... FLOWLINE

STREET CROSSING AREA

THIS AREA IS NOT OWNED BY
THE CITY OF WACO AND CANNOT
BE USED FOR WORKSPACE AS
PART OF THIS PROJECT.

GENERAL NOTES

1. CONTRACTOR SHALL FIELD VERIFY EXACT
LOCATIONS AND ELEVATIONS OF EXISTING
UTILITIES BEFORE BEGINNING CONSTRUCTION.



REV.	DESCRIPTION	DATE
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engineers ★ surveyors
T.B.P.E. Registration No. 8053

CITY OF WACO

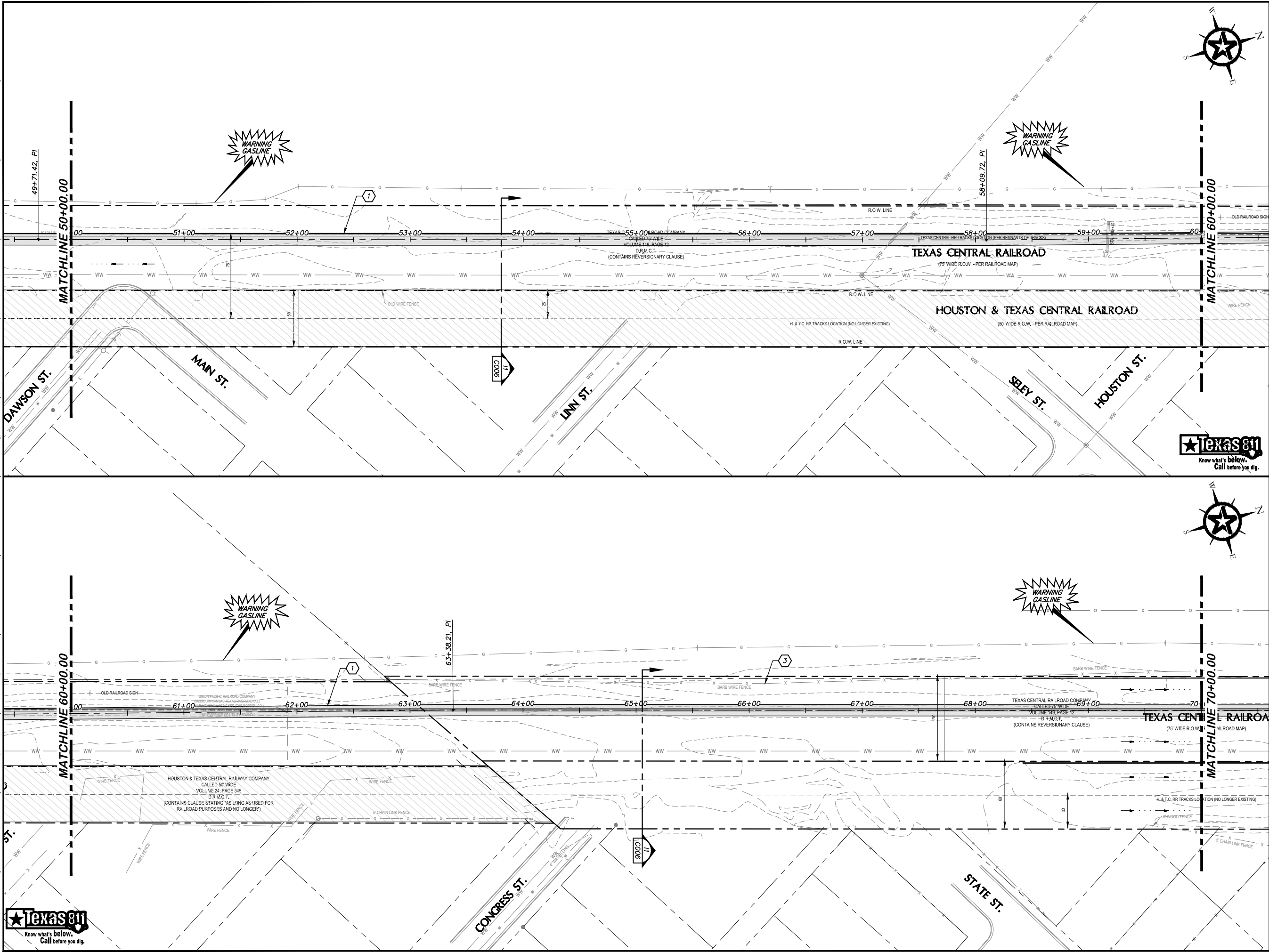
WACO MKT EAST WACO RAILS
TO TRAILS CONNECTION

PLAN 30+00 TO 50+00

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KEY NOTES

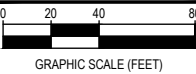
- 1 TRAIL
(RE. DETAIL H1/C004)
- 2 STREET CROSSING DETAIL
(RE. DETAILS C204)
- 3 EXISTING FENCE TO REMAIN
(PROTECT FROM DAMAGE)
- 4 REMOVE AND REPLACE 40 LF
EXIST. 4" CHAIN LINK FENCE

LEGEND

- FLOWLINE
- STREET CROSSING AREA
- THIS AREA IS NOT OWNED BY THE CITY OF WACO AND CANNOT BE USED FOR WORKSPACE AS PART OF THIS PROJECT.

GENERAL NOTES

1. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES BEFORE BEGINNING CONSTRUCTION.



REV.	DESCRIPTION	DATE
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WACO MKT EAST WACO RAILS TO TRAILS CONNECTION

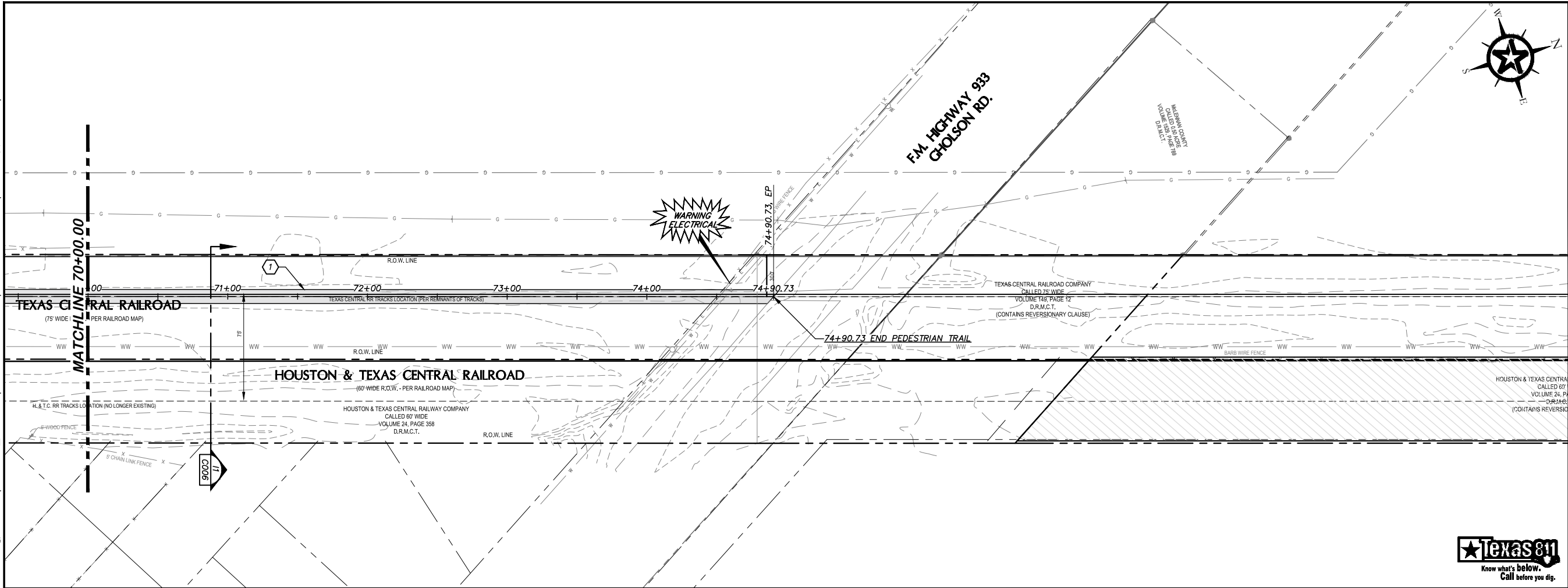
PLAN 50+00 TO 70+00

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	CHECKED BY PES
	APPROVED BY CWG
	PROJECT NO. 1-02114.05
	DRAWING NO. XXX

C102

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KEY NOTES

- 1 TRAIL
(RE. DETAIL H1/C004)
- 2 STREET CROSSING DETAIL
(RE. DETAILS C204)
- 3 EXISTING FENCE TO REMAIN
(PROTECT FROM DAMAGE)
- 4 REMOVE AND REPLACE 40 LF
EXIST. 4" CHAIN LINK FENCE

LEGEND

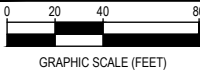
FLOWLINE

STREET CROSSING AREA

THIS AREA IS NOT OWNED BY
THE CITY OF WACO AND CANNOT
BE USED FOR WORKSPACE AS
PART OF THIS PROJECT.

GENERAL NOTES

1. CONTRACTOR SHALL FIELD VERIFY EXACT
LOCATIONS AND ELEVATIONS OF EXISTING
UTILITIES BEFORE BEGINNING CONSTRUCTION.



REV.	DESCRIPTION	DATE

Walker Partners
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CITY OF WACO

WACO MKT EAST WACO RAILS
TO TRAILS CONNECTION

PLAN 70+00 TO END

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PROJECTED	CWG
REVIEWED	PES
DATE	CWG
PROJECT NO.	1-02114.05
CDW PROJECT NO.	XXX

DRAWING NO.

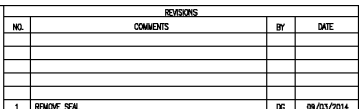
C103





1. PLEASE REFER TO CITY OF WACO STANDARD SPECIFICATIONS FOR CONSTRUCTION, SECTION 1.10, PART 2, A 3 FOR SILT FENCE SPECIFICATIONS.
2. FILTERSTONE FOR AN OVERFLOW STRUCTURE SHALL BE 1-1/2" WASHED STONE CONTAINING NO FINE MATERIAL. ANGULAR SHAPED STONE IS PREFERABLE TO ROUNDED SHAPED STONE.
3. FENCE POSTS SHALL BE GALVANIZED STEEL OR EQUIVALENT AND MAY BE T-SECTION OR L-SECTION 1.3 POUNDS PER LINEAR FOOT MINIMUM, AND 4 FEET IN LENGTH MINIMUM. WOOD POSTS MAY BE USED DEPENDING ON ANTICIPATED LENGTH OF SERVICE AND PROVIDED THEY ARE 4 FEET IN LENGTH MINIMUM AND HAVE A NOMINAL CROSS SECTION OF 2 INCHES BY 4 INCHES FOR PINE OR 2 INCHES BY 2 INCHES FOR HARDWOODS.
4. SILT FENCE SHALL BE SUPPORTED BY GALVANIZED STEEL WIRE FENCE FABRIC AS FOLLOWS:
 - A. 4" X 4" MESH SIZE, W1.4/1.4, MINIMUM 14-GAUGE WIRE FENCE FABRIC;
 - B. HOG WIRE, 12-GAUGE WIRE, SMALL OPENINGS INSTALLED AT BOTTOM OF SILT FENCE;
 - C. STANDARD 2" X 2" CHAIN LINK FENCE FABRIC; OR
 - D. OTHER WELDED OR WOVEN STEEL FABRICS CONSISTING OF EQUAL OR SMALL SPACING AS THAT LISTED HEREIN AND APPROPRIATE GAUGE WIRE TO PROVIDE SUPPORT.

SILT FENCE & STONE OVERFLOW STRUCTURE



A1

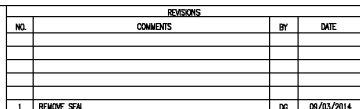
CITY OF WACO G-1A

N.T.S.



- ① HEIGHT OF ROCK BERM SHALL BE APPROXIMATELY 1/2 DEPTH OF DITCH
- ② WIDTH OF BASE OF BERM SHALL BE APPROXIMATELY EQUAL TO THE HEIGHT

TYPICAL ROCK BERM



A5

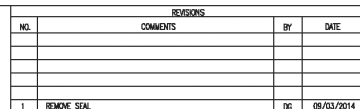
CITY OF WACO G-2

N.T.S.



1. STABILIZED CONSTRUCTION ENTRANCES USED FOR SITES IN WHICH SIGNIFICANT TRUCK TRAFFIC OCCURS ON A DAILY BASIS.
2. PLEASE REFER TO CITY OF WACO STANDARD SPECIFICATIONS FOR CONSTRUCTION, SECTION 1.10, PART 2, A 8 FOR STONE OUTLET SEDIMENT TRAP SPECIFICATIONS.

STABILIZED CONSTRUCTION ENTRANCE



A10

CITY OF WACO G-3B

N.T.S.

G-3B

REV.	DESCRIPTION	DATE



WACO MKT EAST WACO RAILS TO TRAILS CONNECTION

SWPP DETAILS

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CHECKED	CWG
PROJECT NO.	1-02114.05
CON PROJECT NO.	XXX
DRAWING NO.	

C200

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CONSTRUCTION MATERIAL LAB TESTING MATRIX - 1 OF 3

Construction Operation	Standard Specifications		Standard Details	Applicable Testing	Frequency of Testing
	Material Specs	Construction Specs			
Embankment		Section 1.5, Part 2		Standard Proctor & field densities	Proctor for each material to be used. Densities to be project specific.
Trenching Operations	Section 4.2, Part 2	Section 4.2, Part 3			
Embedment	Section 4.2, Part 2.A.1, & Part 2.A.2	Section 4.2, Part 3.A.5	G-4 & G-8	Gradations, Atterberg Limits, Standard Proctor, Field Densities	Gradation, Atterberg Limits, and Proctor at beginning of project on material submitted for use and at any time there is an apparent change in material. Densities to be project specific.
Backfill	Section 4.2, Part 2.A.3	Section 4.2, Part 3.A.5	G-5 & G-8	Gradations, Atterberg Limits, Standard Proctor, Field Densities	Gradation, Atterberg Limits, and Proctor at beginning of project on material submitted for use and at any time there is an apparent change in material. Densities: 4 in first 100 LF and 2 every additional 500 LF. Additional densities as required if compaction fails to meet specifications.
Flowable Fill	Section 4.2, Part 2.A.3(f)		G-5 Note 8 & G-8 Note 2		

ENGINEERING SERVICES

Revisions			
NO.	DESCRIPTION	BY	DATE

G-11
 DATE
 02/25/2015

8 9 10 11 12 13 14

CONSTRUCTION MATERIAL LAB TESTING MATRIX - 2 OF 3

Construction Operation	Standard Specifications		Standard Details	Applicable Testing	Frequency of Testing
	Material Specs	Construction Specs			
Subgrade	Testing - Section 2.6				
Stabilization Determination			ST-2	Atterberg Limits to determine if stabilization is necessary, pH to determine amount of lime needed to stabilize	Determined during design.
Lime Treatment	Section 2.4, Part 2	Section 2.4, Part 3	ST-2	Gradations, Standard Proctor, Moisture Bias Calculations, Field Densities	Initial gradations performed to determine mixing pattern. Standard Proctor performed on each material that is visibly different. Densities performed at a rate of one per 300 LF of paving for two lanes.
Portland Cement Treatment	Section 2.2.B, Part 2	Section 2.2.B, Part 3		Unconfined Compressive Strength	1 sample per day of operations
Reclamation	Section 2.3.D, Part 2	Section 2.3.D, Part 3		Refer to either Lime Treatment or Portland Cement Treatment	Refer to either Lime Treatment or Portland Cement Treatment
Existing Material		Section 2.2, Part 3		Standard Proctor, Field Densities	Standard Proctor performed on each visibly different material. Densities performed at a rate of one per 300 LF of paving for two lanes.
Base Course	Testing - Section 2.6				
Gravel Base Course	Section 2.3, Part 2	Section 2.3, Part 3		Gradations, Atterberg Limits, Standard Proctor, Field Densities	Gradation, Atterberg Limits, and Proctor at beginning of project on material submitted for use and at any time there is an apparent change in material. Densities to be project specific.
Flexible Base	Section 2.3.B, Part 2	Section 2.3.B, Part 3		Gradations, Atterberg Limits, Standard Proctor, Field Densities	Gradation, Atterberg Limits, and Proctor at beginning of project on material submitted for use and at any time there is an apparent change in material. Densities to be project specific.
Cement Treated Base (Pug Base)	Section 2.3.C, Part 2	Section 2.3.C, Part 3	ST-2	Unconfined Compressive Strength	1 sample per day of operations

ENGINEERING SERVICES

REVISIONS			
NO.	COMMENTS	BY	DATE

DATE

02/25/2015

G-11A

G1	CITY OF WACO CONSTRUCTION MATERIAL LAB TESTING MATRIX - 1 OF 3
N.T.S.	

G8	CITY OF WACO CONSTRUCTION MATERIAL LAB TESTING MATRIX - 2 OF 3
N.T.S.	

CONSTRUCTION MATERIAL LAB TESTING MATRIX - 3 OF 3

Construction Operation	Standard Specifications		Standard Details	Applicable Testing	Frequency of Testing
	Material Specs	Construction Specs			
Surface Course	Testing - Section 3.7				
Hot-Mix Asphalt Concrete Pavement	Section 3.3, Part 2	Section 3.3, Part 3	ST-2	Extraction, Gradation, Stability & Flow, Densities	1 sample per day of paving operations. Densities - one per 300 LF of paving for two lanes.
Portland Cement Concrete Paving	Section 3.6, Part 2	Section 3.6, Part 3	ST-1, ST-3 thru ST-7, G-10	Air Content, Slump, Compressive Strength	1 set of 4 cylinders per 150 CY but no less than 2 sets per day
Concrete	Testing - Section 5.6				
Curb and Gutter	Section 5.1, Part 2 & 3	Section 5.3, Part 3	ST-1, ST-4, ST-8, ST-9, ST-9A, ST-9B, G-10	Slump, Compressive Strength	One set of cylinders per placement for the first 5 placements then one set for every other placement thereafter. (max. of 2 sets per day) *Different trucks on the same site at different times of the day constitute different placements.
Drive Approach	Section 5.1, Part 2 & 3	Section 5.4, Part 3	ST-1, ST-10, ST-11, G-10	Slump, Compressive Strength	
Valley & Fillet	Section 5.1, Part 2 & 3		ST-1, ST-11, ST-12, G-10	Slump, Compressive Strength	
Sidewalk, Wheelchair Ramps, & Architectural Retaining Walls	Section 5.1, Part 2 & 3	Section 5.4, Part 3	ST-1, SW-1 thru SW-19, G-10	Slump, Compressive Strength	
Concrete Lined Channel	Section 5.1, Part 2 & 3		D-1, D-14, G-10	Slump, Compressive Strength	
Cast-In-Place Sanitary Sewer Manholes	Section 5.1, Part 2 & 3	Section 4.8, Part 3.A.3	S-2 Note 15, G-10	Slump, Compressive Strength	
Storm Sewer Manholes	Section 5.1, Part 2 & 3		D-1, D-10 thru D-13, G-10	Slump, Compressive Strength	
Inlets	Section 5.1, Part 2 & 3		D-1 thru D-7, D-9, G-10	Slump, Compressive Strength	
Concrete Medians	Section 5.1, Part 2 & 3	Section 5.1, Part 3	ST-22, G-10	Slump, Compressive Strength	
Reinforced Concrete Headers	Section 5.1, Part 2 & 3	Section 5.1, Part 3	G-10	Slump, Compressive Strength	
Concrete Steps	Section 5.1, Part 2 & 3	Section 5.1, Part 3	G-10	Slump, Compressive Strength	
Retaining Walls (Structural)	Section 5.1, Part 2 & 3	Section 5.1, Part 3	G-10	Slump, Compressive Strength	One set per placement

ENGINEERING SERVICES

NO.	REVISIONS		DATE
	COMMENTS	BY	

DATE

02/25/2015

G-11B

A1	CITY OF WACO CONSTRUCTION MATERIAL LAB TESTING MATRIX - 3 OF 3
N.T.S.	

GENERAL CONCRETE & REINFORCEMENT NOTES

G-10

GENERAL

1. ALL CONCRETE AND REINFORCEMENT MATERIALS AND PLACEMENT MUST COMPLY WITH SECTION 5.1 OF THE CITY OF WACO STANDARD SPECIFICATIONS FOR CONSTRUCTION.
2. CURING MEMBRANE SHALL BE APPLIED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.

MATERIALS

3. ALL CONCRETE SHALL BE A 3000 PSI, 4" SLAB, MIX WITH A MAXIMUM 10% 1/4" MAX. AGGREGATE, PLACED AT A MAXIMUM 4" SLUMP, UNLESS OTHERWISE SPECIFIED BY THE ENGINEER OF RECORD AND APPROVED BY THE CITY ENGINEER.
4. ALL REINFORCING STEEL SHALL BE ASTM A 615 GRADE 60, UNLESS OTHERWISE SPECIFIED.

SITE PREPARATION

5. GRADE AND SUB GRADE NEED TO BE ADEQUATELY PREPARED PRIOR TO THE PLACEMENT OF PUG AND PRIOR TO THE PLACEMENT OF CONCRETE.
6. GRADE AND/OR SUB GRADE SHALL BE COMPACTED TO 95% STANDARD PROCTOR DENSITY AT ±2% OPTIMAL MOISTURE CONTENT.

REINFORCING STEEL

7. CONSTRUCTION VEHICLES SHALL NOT DRIVE ON REINFORCEMENT.
8. REINFORCING STEEL SHALL BE PLACED IN ACCORDANCE WITH THE DESIGN SPECIFICATIONS AND THE AGI STANDARDS, WITH OVERLAPS OF 40 BAR SPACING.
9. DOWN BARS SHALL BE SMOOTH, LEVEL AND PLUMB/VERTICAL TO THE JOINT, ADEQUATELY SUPPORTED TO MAINTAIN PROPER ALIGNMENT, AND SHALL HAVE ONE END PROTECTED AGAINST BONDING TO THE CONCRETE IN ACCORDANCE WITH STANDARD CONSTRUCTION SPECIFICATIONS (SEE SECTION 5.1 PART 1 ITEM 6).
10. REBAR CHAIRS SHALL BE PLACED ON 4" MAXIMUM SPACING, EACH WAY.
11. REBAR SHALL BE PLACED SUCH THAT THE MINIMUM COVER IS 2", AND THE MAXIMUM LATERAL COVER IS 3".

CONCRETE

12. PLACEMENT OF CONCRETE NEEDS TO COMPLY WITH THE SPECIFICATIONS AND AGI STANDARDS, INCLUDING HOT AND COLD WEATHER PLACEMENT. SEE STANDARD SPECIFICATION SECTION 5.1, PART 3 ITEM F FOR MORE INFORMATION.
13. NO WATER SHALL BE ADDED AFTER PLACEMENT AND TESTING.
14. CONCRETE SHALL BE VIBRATED WHERE POSSIBLE.
15. UNLESS OTHERWISE SPECIFIED, CONCRETE SHALL BE PLACED AT A 4" SLUMP, 81".

DIMENSIONAL TOLERANCES

16. LEVEL AND HORIZONTAL ALIGNMENT TOLERANCES FOR CURBS, GUTTERS, PAVEMENTS, SIDEWALKS, AND RAMP, IN ALL DIRECTIONS, SHALL BE SUCH THAT THE GAP BELOW AN UNLEVEL 10' STRAIGHTEDGE RESTING ON THE HIGH SPOTS SHALL NOT EXCEED 1/2".
17. DIMENSIONAL TOLERANCES FOR OTHER CONCRETE PLACEMENTS SHALL COMPLY WITH AGI 117.

CONSTRUCTION AND CRACK CONTROL JOINTS

18. UNLESS OTHERWISE SPECIFIED CONSTRUCTION (FULL DEPTH) JOINTS SHALL BE PLACED AT MAXIMUM OF 50' AND CRACK CONTROL JOINTS (JUGGLY JOINTS) AT A MAXIMUM OF 10'.
19. CRACK CONTROL JOINTS MAY BE TOOLED OR SAWED A MINIMUM OF 1/2" THE THICKNESS OF THE CONCRETE ON CURB AND GUTTER AND 1/2" ON SIDEWALKS.
20. CONSTRUCTION JOINTS ARE FULL DEPTH JOINTS AND MAY BE CONSTRUCTED WITH DOWN BARS, AS INDICATED IN THE DESIGN AND DETAILS.
21. CONSTRUCTION JOINTS WITH EXPANSION MATERIAL ARE FULL DEPTH JOINTS THAT MAY BE CONSTRUCTED WITH DOWN BARS, AS INDICATED IN THE DESIGN AND DETAILS. EXPANSION MATERIAL MAY BE 1/2" THICK REMOVED OR ANY MATERIAL COMPATIBLE WITH ASTM D 1751. ALL MATERIALS MUST BE PLACED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

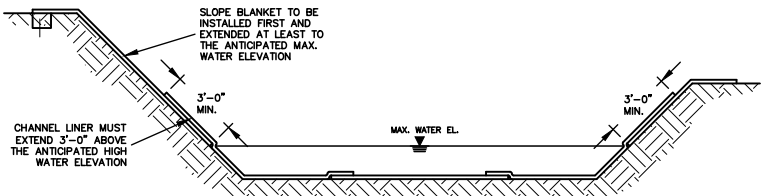
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REVISIONS		DATE	BY
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A8	CITY OF WACO GENERAL CONCRETE & REINFORCEMENT NOTES
N.T.S.	

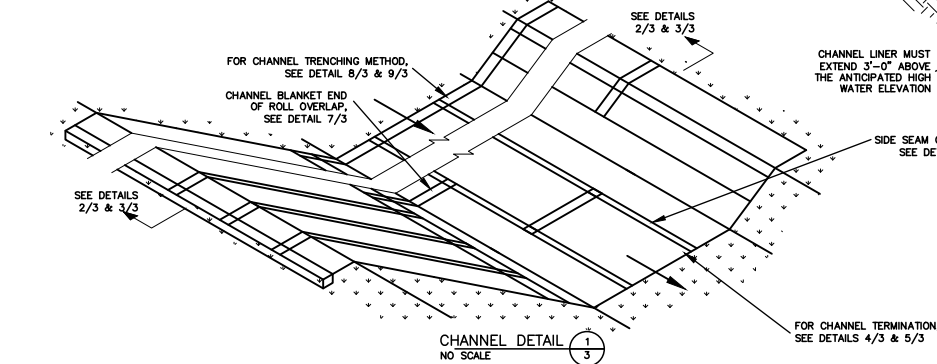
REV.	DESCRIPTION	DATE
Walker Partners engineers ★ surveyors T.B.P.E. Registration No. 8053		
CITY OF WACO		
WACO MKT EAST WACO RAILS TO TRAILS CONNECTION		
MATERIAL TESTING DETAILS		
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	CHECKED	PES
	PROJECT NO.	CWG
	CONTRACT NO.	1-02114.05
ON THE DATE SHOWN ON THE DATE STAMP, IT IS NOT TO BE USED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES.	CONTRACT NO.	XXX
	DRAWING NO.	C201

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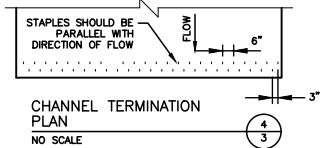
CHANNEL INSTALLATION
METHOD "A"

2
3



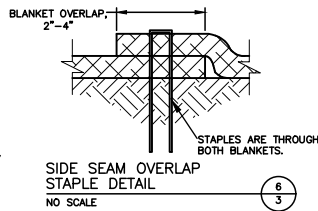
CHANNEL DETAIL
1 3

- NOTES:
- SEE MANUFACTURER'S SLOPE APPLICATION DETAIL SHEET FOR PROPER SLOPE INSTALLATION.
 - STAPLE PATTERNS ARE DEPENDENT ON SITE CONDITIONS. SEE MANUFACTURER'S STAPLE PATTERN GUIDE FOR DETAILS.
 - MATERIAL INSTALLED SHALL BE ONE OF THE FOLLOWING:
BIOMAC CC 025.3
CONTECH TRM C-45
COBLEX ENFORCER
EOP-2 10oz POLYPROPYLENE TRM
EOP-3
EPE-10
EXCEL PP5-8
EXCEL PP5-10
EXCEL PP5-12
GREENARMOR 7020
LANDLOK TRM 435
LANDLOK TRM 450
LANDLOK TRM 1050
LANDLOK TRM 1060
NORTH AMERICAN GREEN P350
NORTH AMERICAN GREEN P550
PYRAMAT
RECYCLEX TRM
RECYCLEX TRM-V
SE-PP5
WEBTEC TERRAGUARD 45P
 - SOIL RETENTION BLANKET SHALL BE GREEN IN COLOR.



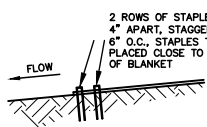
CHANNEL TERMINATION
PLAN
NO SCALE

4
3



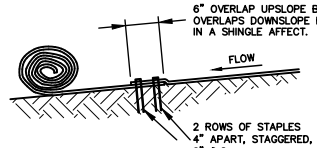
SIDE SEAM OVERLAP
STAPLE DETAIL
NO SCALE

6
3



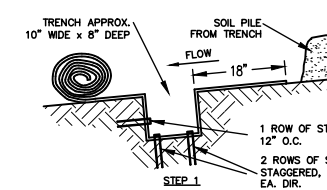
CHANNEL TERMINATION
NO SCALE

5
3



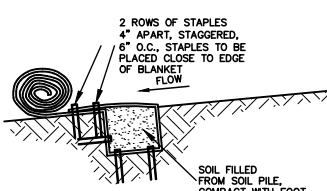
CHANNEL BLANKET END
OF ROLL OVERLAP
NO SCALE

7
3



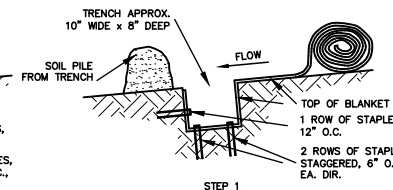
CHANNEL TRENCHING
METHOD "B"
NO SCALE

9
3



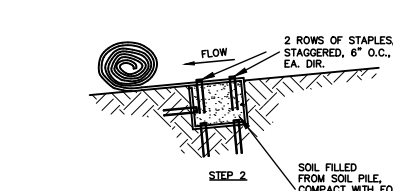
CHANNEL TRENCHING
METHOD "B"
NO SCALE

9
3



CHANNEL TRENCHING
METHOD "A"
NO SCALE

8
3



CHANNEL TRENCHING
METHOD "A"
NO SCALE

8
3

2200

SOIL RETENTION BLANKET FOR SOIL STABILIZATION

N.T.S.

REV.	DESCRIPTION	DATE

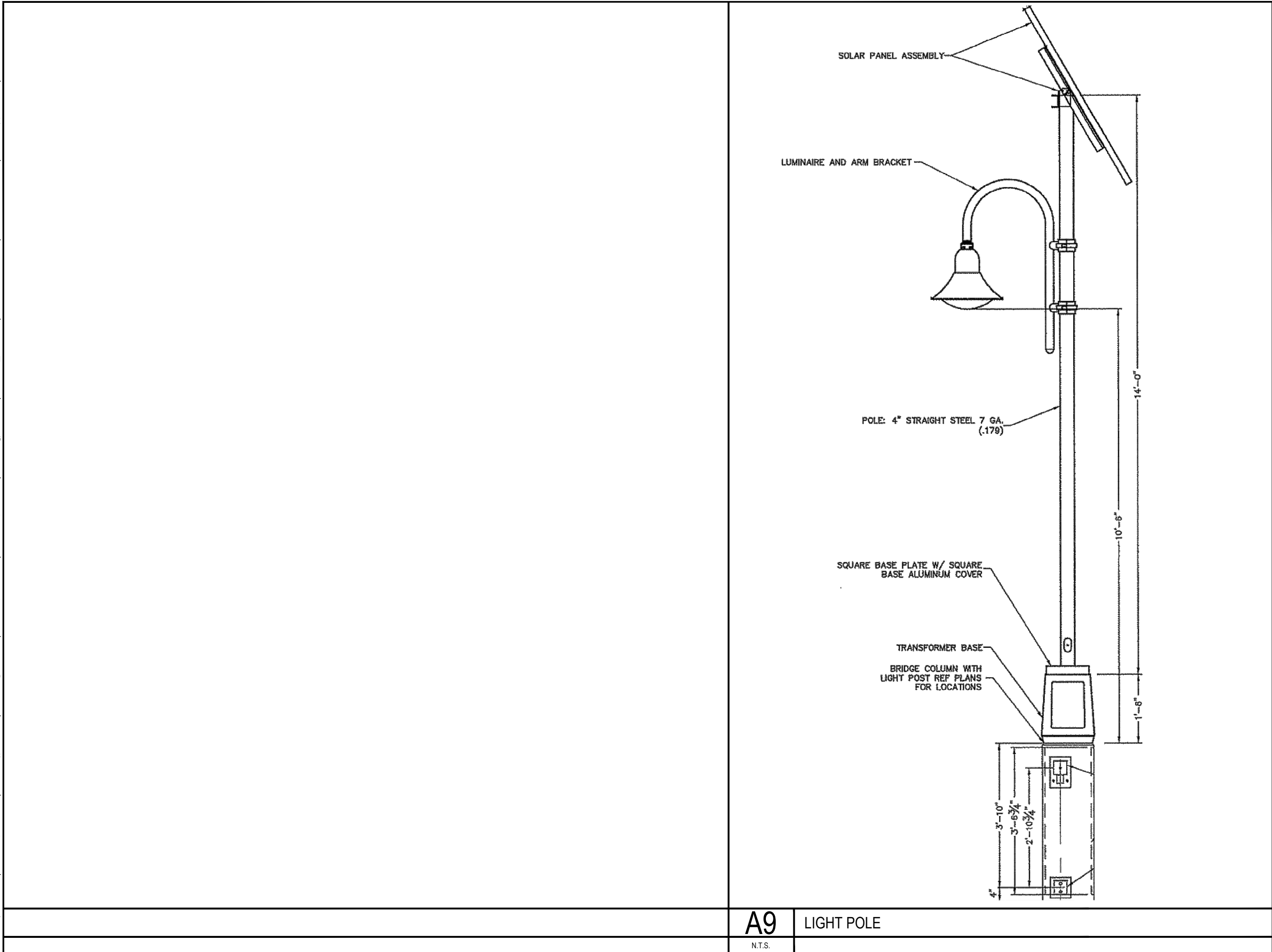


WACO MKT EAST WACO RAILS TO TRAILS CONNECTION

SOIL RETENTION BLANKET DETAILS

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	CWG
	APPROVED
	PES
	SEALER
	CWG
	PROJECT NO.
	1-02114.05
	LOW PROJECT NO.
	XXX
	DRAWING NO.
	C202

G:\PROJECTS\1-02114\2 DESIGN\2.0 CAD\6 MKT RAILS TO TRAILS CONNECTION\1-02114.05 - DETAILS ILLUMINATION.DWG, C203, 6/25/2019 11:40:32 AM, jpscton



REV.	DESCRIPTION	DATE



Walker Partners
engineers ★ surveyors
T.B.P.E. Registration No. 8053



CITY OF WACO

**WACO MKT EAST WACO RAILS
TO TRAILS CONNECTION**

ILLUMINATION DETAILS

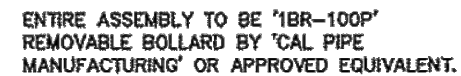
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	CHECKED	PES
	PROJECT NO.	CWG
	DRAWING NO.	1-02114.05

CONTRACT NO.	XXX
DRAWING NO.	C203



ADVANCED SIGN PLACEMENT	
POSTED SPEED LIMIT	DIMENSION "X"
30	200
35	250
40	300
45	350



REMOVABLE BOLLARD


Walker Partners
 engineers ★ surveyors CITY OF WACO

WACO MKT EAST WACO RAILS TO TRAILS CONNECTION

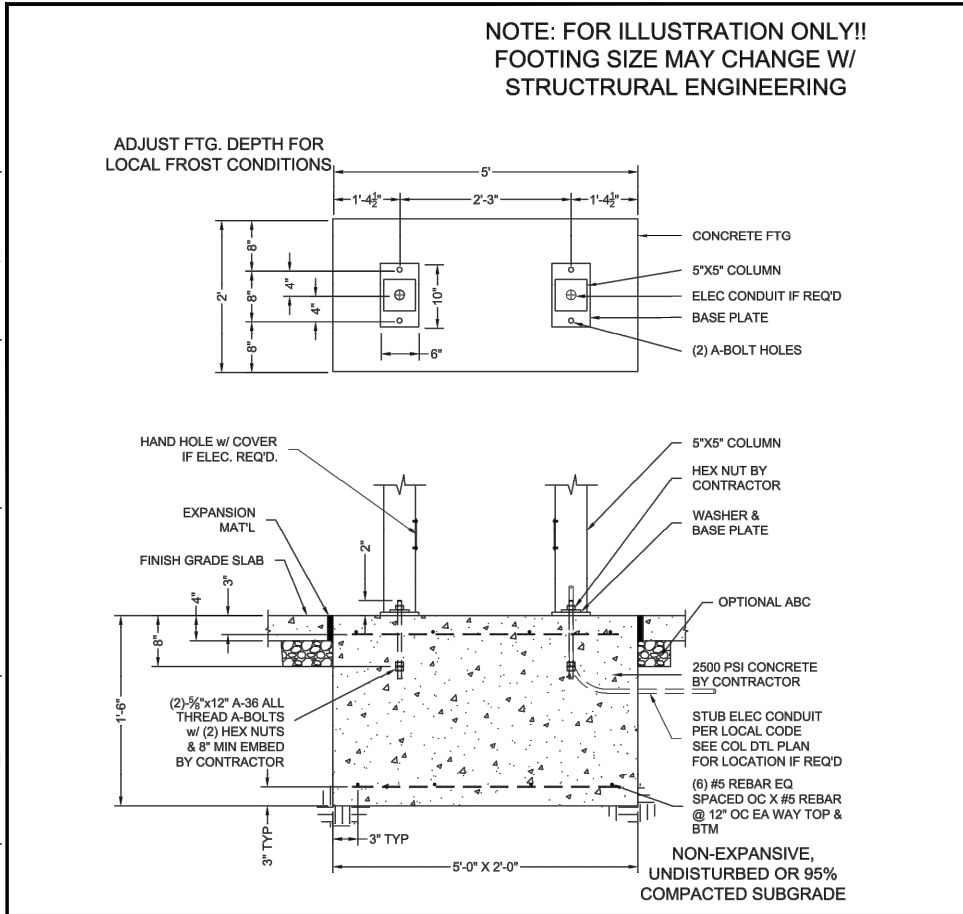
CROSSWALK & BOLLARD DETAILS

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	CONTRACT	PES
	CHECKED	CWG
	PROJECT NO.	1-02114.05
	DRAW PROJECT NO.	XXX
ON THE DATE STAMP ON THE DATE STAMP, IT IS NOT TO BE USED FOR CONSTRUCTION BIDDING, OR PERMIT PURPOSES.	DRAWING NO.	

C204

G:\PROJECTS\1-02114\2 DESIGN\2.0 CAD\6 MKT RAILS TO TRAILS CONNECTION\1-02114.05 - DETAILS SHELTER.DWG, C205, 6/25/2019 11:41:23 AM, jpsaxton



G1 2-BOLT SUB-SURFACE SPREAD FOOTING DETAIL

N.T.S. CRS, INC.

SHELTER NOTES:

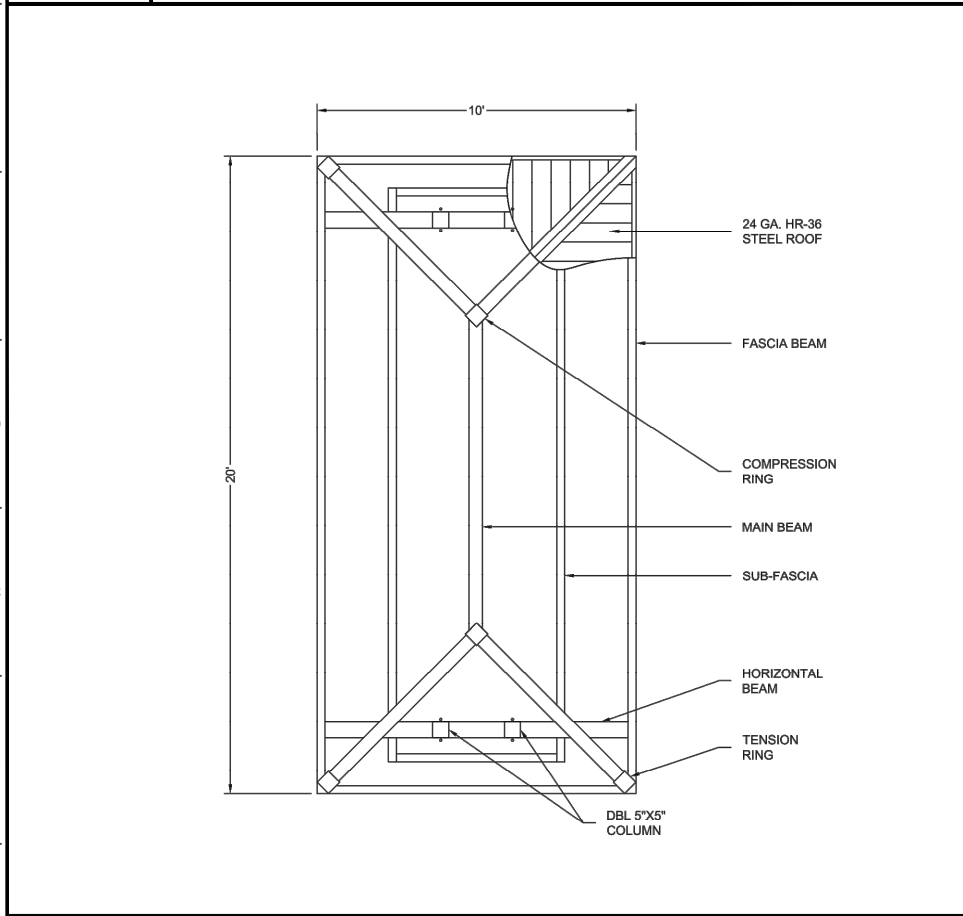
1. THE SHELTER IS TO BE MINGUS MODEL 16' X 24' WITH METAL SHINGLE ROOF AND T&G SUBROOF MODEL. SHELTER AS MANUFACTURED BY CLASSIC RECREATION SYSTEMS, INC. (800)697-2195. SHELTER COLORS ARE TO BE: ROOF- COPPER WITH SUPPORT STRUCTURES AND FRAME- GREY. THE SHELTER IS TO BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND SPECIFICATIONS. VERIFY COLORS BEFORE ORDERING SHELTER.
2. VERIFY ALL FOUNDATION AND ANCHOR BOLT DIMENSIONS WITH THE SHELTER MANUFACTURER BEFORE BEGINNING CONSTRUCTION. THE CONSTRUCTION DIMENSIONS FOR FOOTING AND ANCHOR BOLTS ARE THE RESPONSIBILITY OF THE CONTRACTOR.
3. SHELTER CONSTRUCTION/ASSEMBLY PLANS ARE TO BE SUBMITTED FOR REVIEW AND SHALL BE SEALED BY A REGISTERED PROFESSIONAL ENGINEER LICENSED BY THE STATE OF TEXAS AND REVIEWED BY OWNER REPRESENTATIVE PRIOR TO FABRICATION.
4. SHELTER DIMENSIONS:
 - 4.1. ROOF DIMENSIONS (POINT TO POINT): 16'-0" X 24'-0"
 - 4.2. CENTER TO CENTER OF COLUMNS: 16'-8"
 - 4.3. MINIMUM CLEARANCE: 8'-4"
 - 4.4. ROOF HEIGHT AT PEAK: ±13'-11"
 - 4.5. HIP ROOF: 6:12
 - 4.6. SQUARE FEET UNDER ROOF: 384
 - 4.7. 2ND TIER DIMENSIONS: ±5'-10" X 13'-10"
5. ALL BEAMS AND COLUMNS SHALL BE STRUCTURAL STEEL TUBE SIZED ACCORDING TO ENGINEERED SHOP DRAWINGS.
6. ALL BOLTS SHALL BE A-325 OR A-307 HIDDEN AT ALL CONNECTIONS.
7. ROOFING SHALL BE HIP STYLE METAL SHINGLE ROOFING ON SELECT GRADE SPF 2" X 6" TONGUE AND GROOVE SUB-ROOF AND GROOVE PLANK ROOF DECK.
8. COLUMNS SHALL BE A 4 POST CLUSTER OF 7" X 7" SQUARE STEEL TUBE MINIMUM .188 WALL THICKNESS.
9. FASCIA SHALL BE TUBE STEEL WITH TUBULAR STEEL COVER TENSION RINGS.
10. MAIN BEAMS SHALL BE ONE PIECE CONSTRUCTION WITH MITERED AND WELDED JOINTS GROUND SMOOTH.
11. SUB-ROOF SHALL BE SELECT SPRUCE PINE OR FUR 2" X 6" SPF, TONGUE AND GROOVE #1 GRADE, ROUGH ONE SIDE FACING DOWN. INSTALLER SHALL PAINT OR STAIN AS SPECIFIED BY OWNER. SEAL WITH CLEAR OIL BASED STAIN.
12. THE MANUFACTURER'S STANDARD SPECIFICATIONS SHALL APPLY TO THE SHELTER.
13. THE SHELTER FRAME FINISH SHALL BE SYSTEM #1 POWDER COATING TO MATCH THE FRAME COLOR NOTED ABOVE.
14. ALL STRUCTURES SHALL BE DESIGNED TO THE IBC (LATEST EDITION) WITH STANDARD LOAD DESIGNS OF 20# PER S.F. MINIMUM LIVE LOAD, 100 MPH WIND LOAD AND THE APPLICABLE ZONE FOR SEISMIC LOADS.
15. ALL FRAME MEMBERS SHALL BE ONE PIECE STRUCTURAL STEEL TUBE WITH A MINIMUM .120 (1/8") WALL THICKNESS, SIZED ACCORDING TO ENGINEERING. ALL FRAME MEMBERS SHALL BE BOLTED TOGETHER WITH BOLTS TOTALLY CONCEALED. COMPRESSION RINGS SHALL BE FABRICATED FROM STRUCTURAL STEEL TUBE, AND FLAT PLATE STEEL AND SHALL HAVE ALL CONNECTIONS CONCEALED FROM VIEW. ALL TUBING FOR FRAME MEMBERS SHALL BE ASTM 500 GRADE B. BEAM END PLATES SHALL BE ASTM A36 F_y=36,000PSI UNO. BOLTS SHALL BE A 307'S, OR 325'S UNLESS NOTED OTHERWISE. "I" BEAMS, ANGLE IRON, "C", "Z" OR "S" PURLINS OR BEAMS, OPEN OR CLOSED, SHALL NOT BE ALLOWED.
16. ALL ROOFING SHALL BE BERRIDGE CLASSIC METAL SHINGLES ON 15 LB. FELT.
17. ALL FRAME MEMBERS SHALL BE SAND BLASTED TO A WHITE FINISH REMOVING ALL RUST, SCALE, OIL AND GREASE. POWDER COAT ALL FRAME MEMBERS WITH TGIC POLYESTER, MINIMUM 4-5 MIL FINISH. FINISH SHALL BE A SMOOTH UNIFORM SURFACE WITH NO PITS, RUNS OR SAGS.
18. SEE TECHNICAL SPECIFICATIONS FOR ADDITIONAL SHELTER INFORMATION.

MASONRY NOTES:

1. BRICK FOR COLUMN WRAPS TO BE ANTIQUE. BRICK PROVIDED BY CITY OF WACO. CONTRACTOR TO USE ONLY FULL, UNDAMAGED BRICKS FOR USE ON JOB. CONTRACTOR RESPONSIBLE TO TRANSPORT BRICK TO JOB SITE.
2. ALL MORTAR TO BE TYPE S MASONRY. CEMENT NOT ALLOWED.
3. ALL MORTAR JOINTS TO BE 3/8" CONCAVE TOOLED JOINTS.
4. BRICK TO BE CUT WITH APPROVED MASONRY SAW.

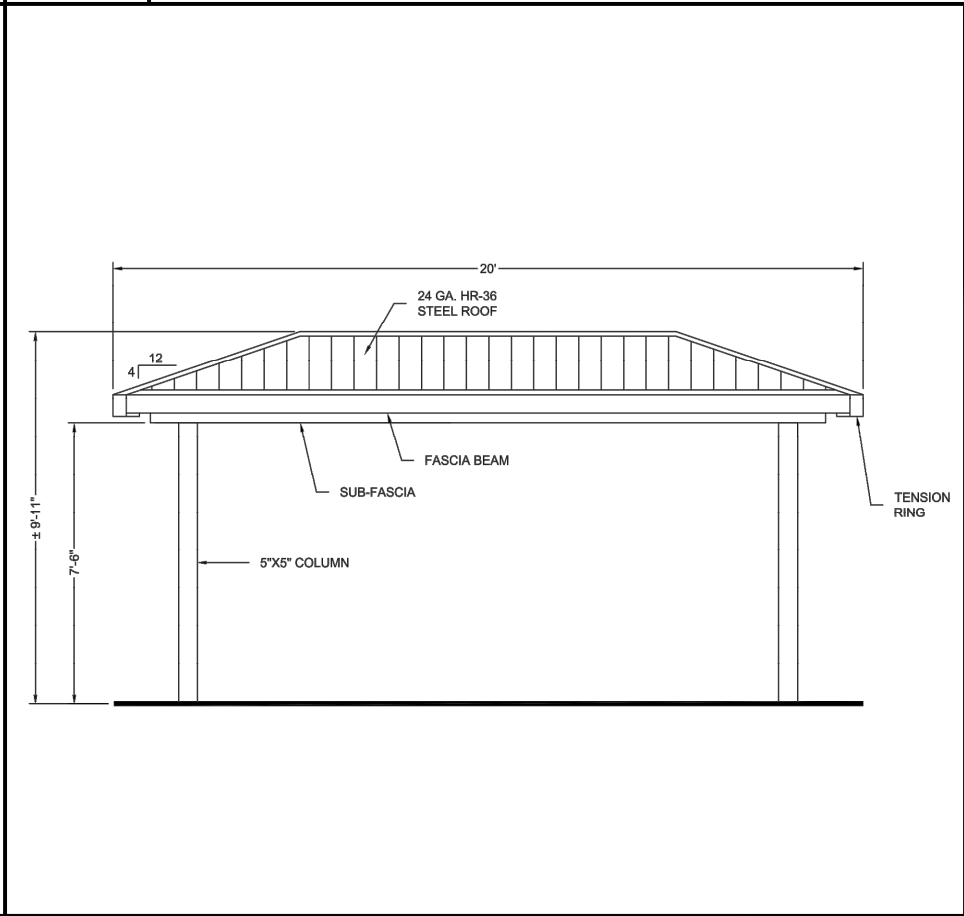
G5 MINGUS 10'X20' MODEL NOTES

N.T.S. CRS, INC.



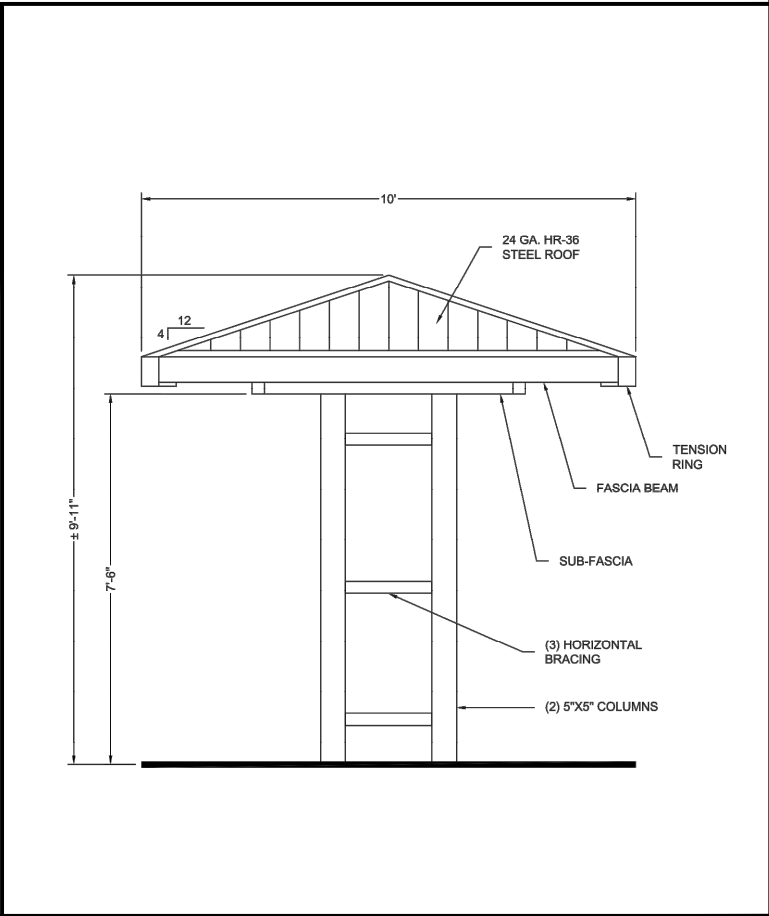
A1 PLAN VIEW

N.T.S. CRS, INC.



A6 ELEVATION VIEW

N.T.S. CRS, INC.



A11 PLAN VIEW

N.T.S. CRS, INC.

REV.	DESCRIPTION	DATE

Walker Partners
engineers ★ surveyors
T.B.P.E. Registration No. 8053

CITY OF WACO

WACO MKT EAST WACO RAILS
TO TRAILS CONNECTION

SHELTER DETAILS

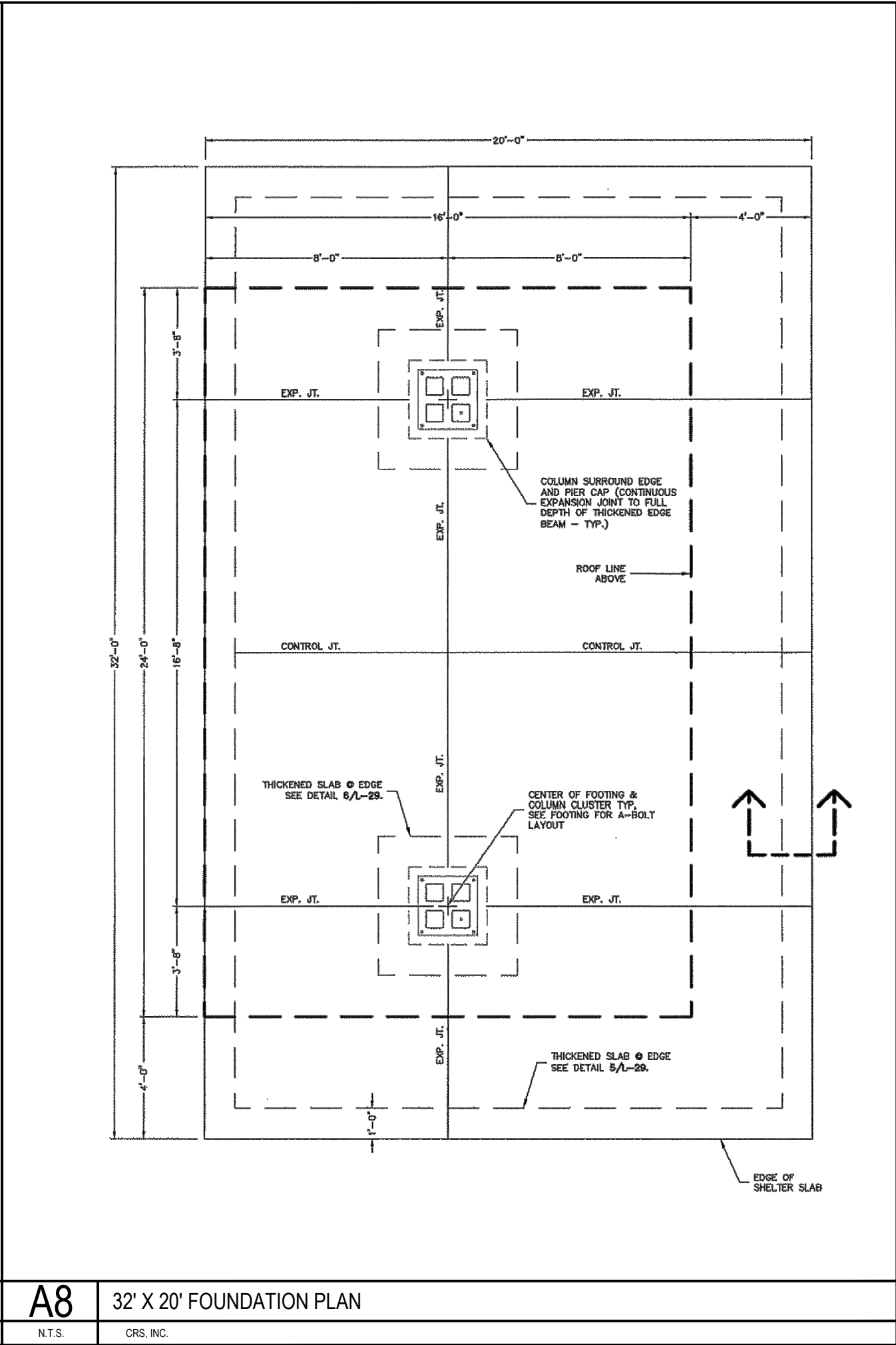
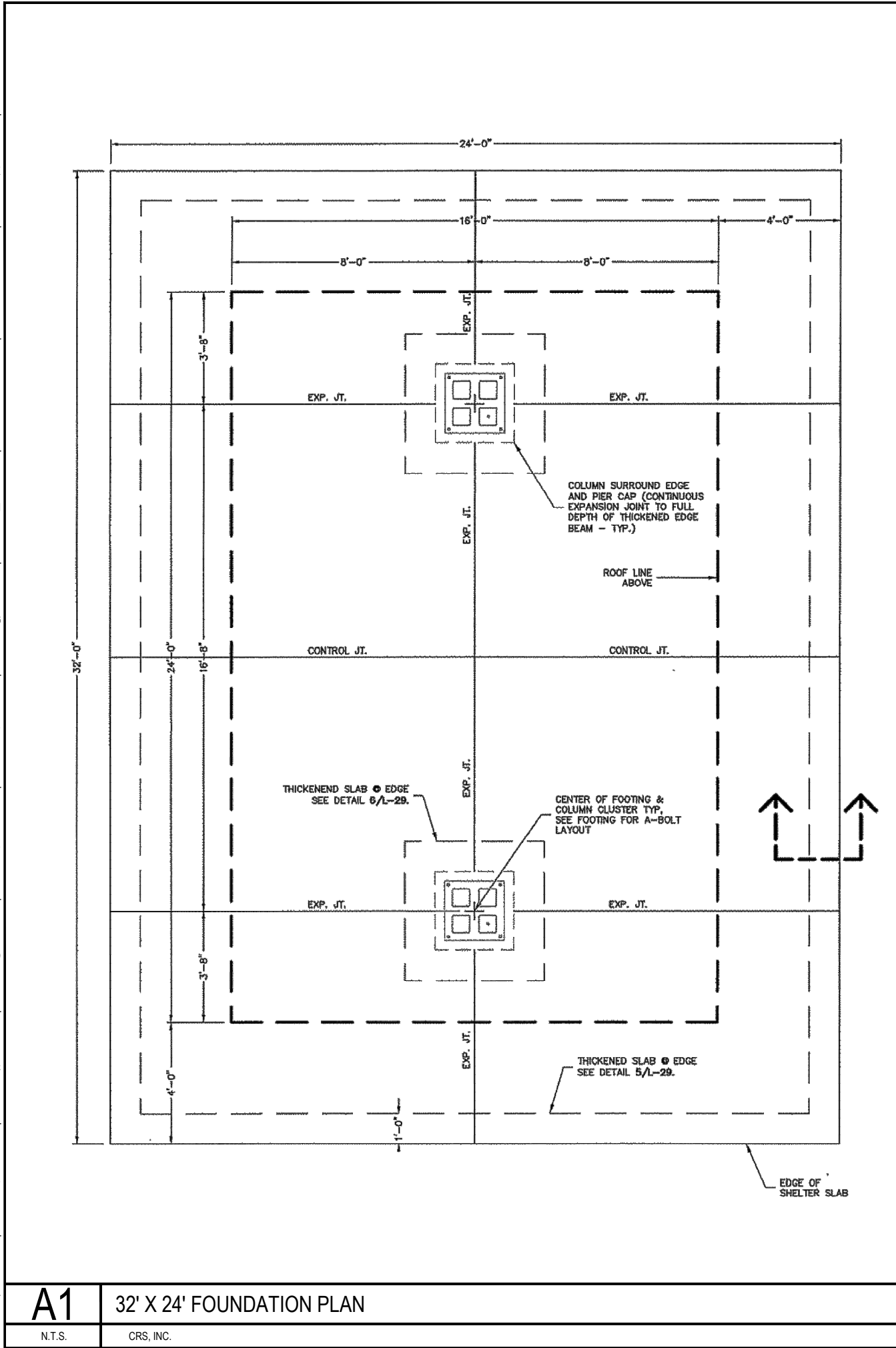
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REVISION	DATE	BY	CHKD
1	6/25/2019	XXX	CWG
2	6/25/2019	XXX	CWG
3	6/25/2019	XXX	PES
4	6/25/2019	XXX	CWG

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PROJECT NO. 1-02114.05
DRAWING NO. C205

G:\PROJECTS\1-02114\2 DESIGN\2.0 CAD\6 MKT RAILS TO TRAILS CONNECTION\1-02114.05 - DETAILS SHELTER.DWG, C206, 6/25/2019 11:41:34 AM, psexton



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WACO MKT EAST WACO RAILS TO TRAILS CONNECTION		
SHELTER DETAILS		
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		APPROVED PES
		CHECKED CWG
		PROJECT NO. 1-02114.05
		DRAWING NO. XXX
		C206