VERO
Fiber Networks

ARCATA/EUREKA FIBER PROJECT - PHASE I

STA: 1+00 TO STA: 163+66.31

CITY OF ARCATA

AUGUST 2020

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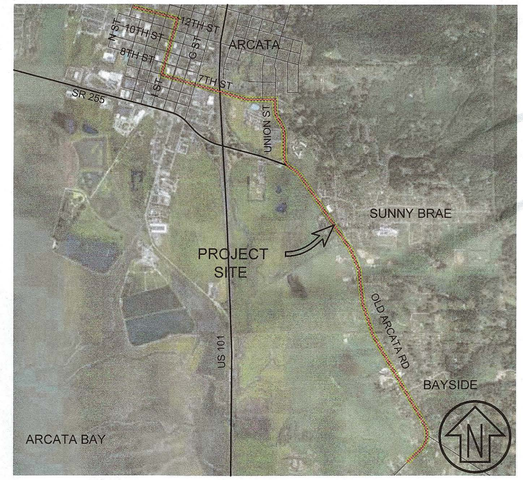
OVERALL LOCATION MAP

OVERALL LOCATION MAP
SCALE: NTS

LOCATION MAP



LOCATION MAP
SCALE: NTS

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ARCATA/EUREKA FIBER PROJECT

COVERSHEET

VERO FIBER NETWORKS

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Sheet
G-001

Scale:	
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ARCATA/EUREKA FIBER PROJECT

SHEET KEY MAP

VERO FIBER NETWORKS

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Sheet
G-002

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GENERAL NOTES

1. ALL WORK SHALL CONFORM TO THE CITY OF ARCATA STANDARD SPECIFICATIONS AND DETAILS.
2. ALL WORK SHALL COMPLY WITH APPLICABLE LOCAL AND REGULATORY AGENCIES INCLUDING, BUT NOT LIMITED TO OSHA, ETC. GENERAL NOTES SHALL APPLY TO ALL DRAWINGS.
3. EXISTING UTILITIES ARE SHOWN IN APPROXIMATE LOCATIONS. SOME EXISTING UTILITIES MAY NOT BE DEPICTED ON THIS PLAN. USA & POTHOLE TO DETERMINE.
4. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN CONSTRUCTION AS-BUILT DRAWINGS AND PRESENT A COMPLETE SET OF DRAWINGS TO VERO FIBER NETWORKS WITHIN 7 DAYS OF WORK COMPLETION.
5. APPROXIMATE LOCATIONS OF MANHOLES AND HANDHOLE'S ARE SHOWN ON THE PLANS. EXACT FINAL LOCATION OF MANHOLES AND HANDHOLES SHALL BE DETERMINED IN THE FIELD AFTER ALL EXISTING UTILITIES IN THE AREA OF WORK HAVE BEEN LOCATED. COORDINATE FINAL LOCATIONS WITH VERO FIBER NETWORKS.

CONSTRUCTION NOTES

1. ALL TRAFFIC CONTROL DEVICES SHALL BE IN PLACE BEFORE WORK IS STARTED. DEVICES NO LONGER REQUIRED SHALL BE REMOVED AS SOON AS POSSIBLE.
2. PEDESTRIAN TRAFFIC MUST BE MAINTAINED AT ALL TIMES. PEDESTRIANS MAY BE RELOCATED ONTO PRIVATE PROPERTY WITH OWNERS PERMISSION ONLY.
3. NO EQUIPMENT OR MATERIALS SHALL BE STORED OR PERMITTED TO STAND UNPROTECTED WHERE TRAFFIC IS MAINTAINED UNLESS IT IS ALLOWED BY LOCAL JURISDICTION IN WRITING.
4. NO EQUIPMENT OR MATERIALS SHALL BE STORED ON ROAD SURFACE DURING NON-WORKING PERIODS UNLESS IT IS ALLOWED BY LOCAL JURISDICTION IN WRITING.
5. NO EQUIPMENT OR MATERIALS SHALL BE STORED ON SIDEWALK UNLESS IT IS ALLOWED BY LOCAL JURISDICTION IN WRITING.
6. EXCAVATION MATERIAL SHALL BE STORED AWAY FROM THE PAVED ROADWAY WHENEVER POSSIBLE. ALL SPILLED MATERIAL IS TO BE REMOVED TO AVOID SLIPPERY CONDITIONS.
7. EXISTING SIGNS, DELINEATIONS, GUARDRAILS, MARKERS, TREES, SHRUBS, FENCES, WALKS, STEPS, ETC. THAT ARE DISTURBED BY THIS CONSTRUCTION SHALL BE REPLACED OR RESTORED TO THEIR ORIGINAL CONDITION.
8. CONTRACTOR SHALL VERIFY EXACT LOCATION AND ELEVATION OF ALL EXISTING UTILITIES IN AREA OF WORK PRIOR TO CONSTRUCTION. CALL UNDERGROUND SERVICE ALERT (CALIFORNIA, 1-800-227-2600) AT LEAST 48 HRS PRIOR TO START OF CONSTRUCTION ACTIVITIES.
9. CONTRACTOR SHALL HAND DIG AND USE EXTREME CARE WHEN WORKING IN CLOSE PROXIMITY TO EXISTING UTILITIES. CONTRACTOR MUST POTHOLE & EXPOSE EXISTING UTILITIES WHEN NEW CONSTRUCTION CROSSES IT.
10. TRAFFIC SIGNAL DETECTOR LOOP CIRCUITS ARE NOT SHOWN. CONTRACTOR SHALL LOCATE ALL TRAFFIC SIGNAL DETECTOR LOOP CIRCUITS PRIOR TO ANY TRENCHING OR BORING. ALL TRAFFIC LOOP DETECTOR CIRCUITS SHALL BE MAINTAINED AND PROTECTED. NOTIFY TRAFFIC DEPARTMENT 48 HOURS PRIOR TO ANY WORK IN THESE AREAS.
11. THE REMOVAL, STORAGE, AND REPLACEMENT OF ALL SHRUBBERY WILL BE THE RESPONSIBILITY OF THE CONTRACTOR OR SUBCONTRACTOR (SUPERVISED BY LIGHTWAVE).
12. CONTRACTOR IS RESPONSIBLE TO ARRANGE A PRE-CONSTRUCTION MEETING WITH THE CITY INSPECTORS AT LEAST 72 HOURS BEFORE STARTING WORK.
13. BORING PITS: EXCAVATION AND RESTORATION OF BORING PITS SHALL BE IN ACCORDANCE WITH THE CITY STANDARDS FOR UTILITY EXCAVATIONS AND LOCATED TO THE SATISFACTION OF THE CITY ENGINEER & VERO FIBER NETWORKS.
14. DEPTHS OF EXISTING UTILITIES NOT REQUIRED OR AVAILABLE. EXISTING UTILITY LINES SHOWN IN PROFILES INDICATE APPROXIMATE UTILITY LOCATION ALONG THE DUCT. THE CONTRACTOR SHALL POTHOLE TO CONFIRM EACH DEPTH.
15. CONTRACTOR SHALL RESTORE ALL PAVEMENT TO PRECONSTRUCTION CONDITIONS, PER CITY STANDARD DETAILS.

SAFETY

1. THE CONTRACTOR IS RESPONSIBLE FOR JOB-SITE SAFETY AND SHALL BE RESPONSIBLE FOR ALL LIABILITY IMPOSED BY LAW FOR PERSONAL INJURY OR PROPERTY DAMAGE WHICH MAY ARISE OUT OF THE WORK PERFORMED UNDER THE ENCROACHMENT PERMIT, OR WHICH MAY ARISE OUT OF THE SAFETY FAILURE ON THE PART OF THE PERMITTEE TO PERFORM HIS OBLIGATIONS UNDER THIS PERMIT IN RESPECT TO MAINTENANCE OF THE ENCROACHMENT.
2. ALL TRAFFIC CONTROL SHALL CONFORM TO THE CURRENT CALIFORNIA DEPARTMENT OF TRANSPORTATION ("MANUAL OF TRAFFIC CONTROLS FOR CONSTRUCTION AND MAINTENANCE WORK ZONE") ("MANUAL OF WARNING SIGNS, LIGHTS AND DEVICES FOR USE IN PERFORMANCE OF WORK UPON HIGHWAYS").
3. ALL EXCAVATIONS SHALL CONFORM TO THE REQUIREMENTS OF THE STATE OF CALIFORNIA DIVISION OF OCCUPATIONAL SAFETY AND HEALTH. THE PERMITTEE MAY BE REQUIRED TO OBTAIN A "PERMIT TO EXCAVATE" FROM THE DIVISION OF INDUSTRIAL SAFETY, DEPARTMENT OF INDUSTRIAL RELATIONS, STATE OF CALIFORNIA.
4. CONTRACTOR SHALL FURNISH AND MAINTAIN ALL DEVICES FOR PEDESTRIAN AND VEHICULAR TRAFFIC SAFETY. UNSAFE CONDITIONS WILL BE CORRECTED BY CITY PERSONNEL (OR AGENTS THEREOF) AND THE PERMITTEE WILL BE BILLED FOR ALL EXPENSES INCURRED, OR COSTS SHALL BE RECOVERED FROM CASH DEPOSITS HELD FOR SUCH PURPOSES.

ADDITIONAL NOTES:

1. ALL WETLANDS SHALL BE IDENTIFIED IN THE FIELD BY A BIOLOGIST PRIOR TO PERFORMING ANY ADJACENT EXCAVATION. INSTALL HIGH VISIBILITY CONSTRUCTION FENCING AROUND IDENTIFIED WETLANDS PRIOR TO COMMENCEMENT OF EXCAVATION.
2. IMPLEMENT ALL AVOIDANCE AND MINIMIZATION MEASURES (AMMS) AND BEST MANAGEMENT PRACTICES AS OUTLINED IN THE BIOLOGICAL ASSESSMENT.

SYMBOLS

EXISTING		PROPOSED
	LIGHT - POST MOUNTED	
	STREETLIGHT	
PP	POWER POLE	PP
PP	POWER POLE (WITH GUY)	PP
SSCO	SANITARY SEWER - CLEANOUT	SSCO
SS	SANITARY SEWER - MANHOLE	SS
	STORM DRAINAGE - AREA DRAIN	
SDCO	STORM DRAINAGE - CLEANOUT	SDCO
	STORM DRAINAGE - CATCH BASIN	
	STORM DRAINAGE - CURB INLET	
	STORM DRAINAGE - DROP INLET	
SD	STORM DRAINAGE - MANHOLE	SD
GV	GAS VALVE	GV
	FIRE HYDRANT	
WV	WATER VALVE	WV
	MANHOLE	
	HANDHOLE	HH
	BORE PIT	

LINETYPES

EXISTING		PROPOSED
	RIGHT OF WAY	
	CENTERLINE	
E	ELECTRICAL LINE	E
OH OH	OVERHEAD UTILITY	OH OH
	PROPERTY / LOT LINE	
SS	SANITARY SEWER	SS
SD	STORM DRAIN	SD
W	WATER	W
	FACE OF CURB	
	BH1	
	WATER	

ABBREVIATIONS

CL	CENTERLINE / CONTROL LINE	PVC	POLYVINYL CHLORIDE PIPE
DI	DROP INLET	RCP	REINFORCED CONCRETE PIPE
DWY	DRIVEWAY	RW	RIGHT OF WAY
EG	EXISTING GRADE	SD	STORM DRAIN
EP	EDGE OF PAVEMENT	SDCO	STORM DRAIN CLEANOUT
EX	EXISTING	SDMH	STORM DRAIN MANHOLE
HDPE	HIGH DENSITY POLYETHYLENE PIPE	SF	SQUARE FEET
HH	HANDHOLE	SS	SANITARY SEWER
INV	INVERT	SSCO	SANITARY SEWER CLEANOUT
LF	LINEAR FEET	SSMH	SANITARY SEWER MANHOLE
MH	MANHOLE	SW	SIDEWALK
NTS	NOT TO SCALE	VIF	VERIFY IN FIELD
PRO	PROPOSED		

QUANTITIES

BH1:
HANDHOLES - 26
4 - 1.25" CONDUIT (SDR 13.5) - 16863 LF

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ARCATA/EUREKA FIBER PROJECT
NOTES, LEGENDS AND QUANTITIES
VERO FIBER NETWORKS

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G-003

Scale:	
Date:	09/23/20
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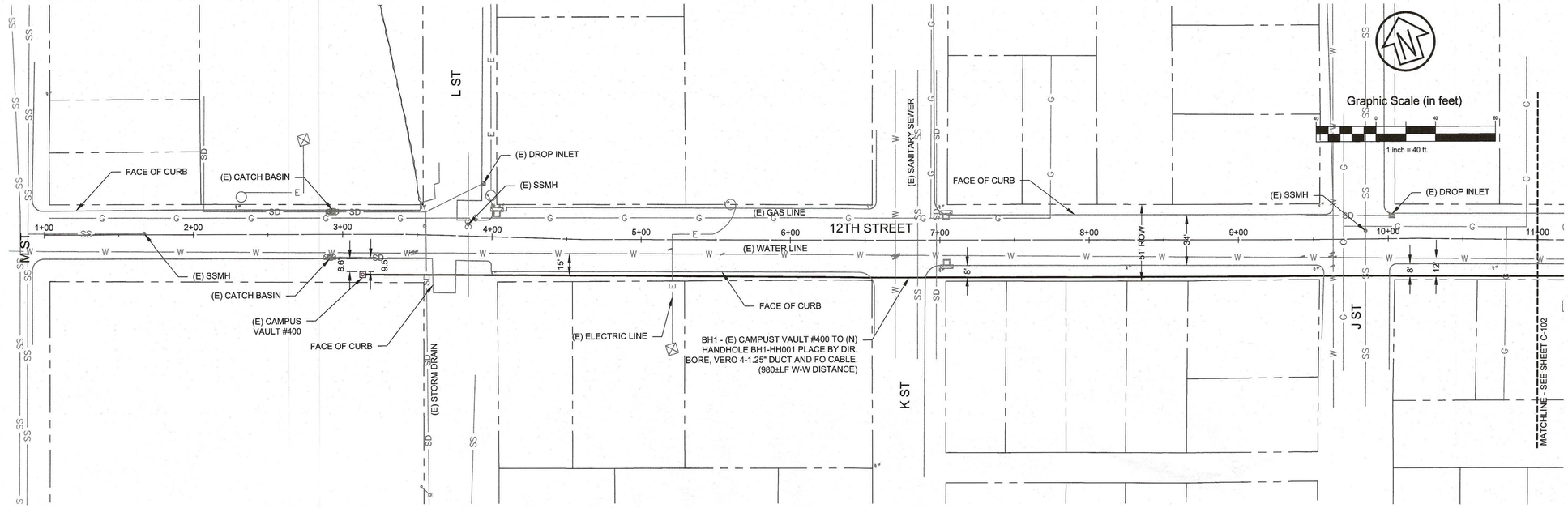
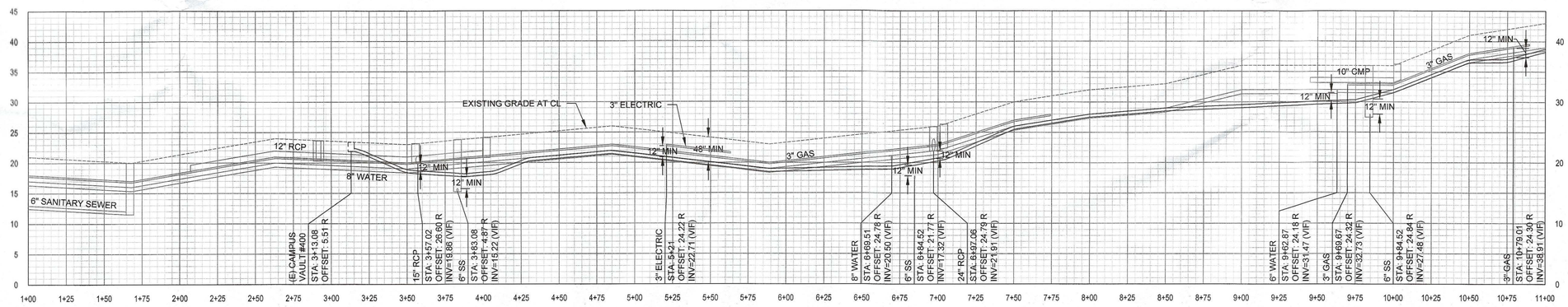


PLAN - BH1 STA: 1+00 TO STA: 11+00

SCALE: 1" = 40'



PROFILE VIEW - BH1 - STA 1+00 TO 11+00

SCALE: HOR. 1" = 40' VERT. 1" = 10'

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CONDUIT LAYOUT PLAN & PROFILE - STA: 1+00 TO STA: 11+00
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Sheet
C-101

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Date:	09/23/20
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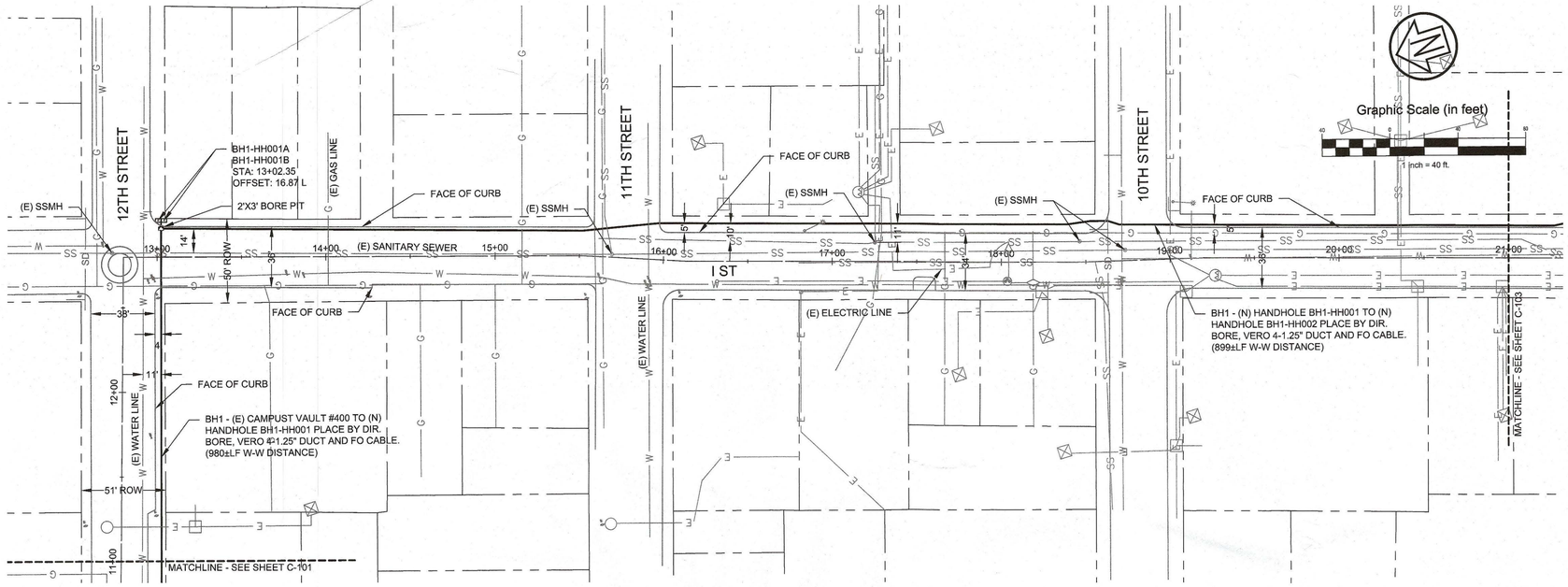

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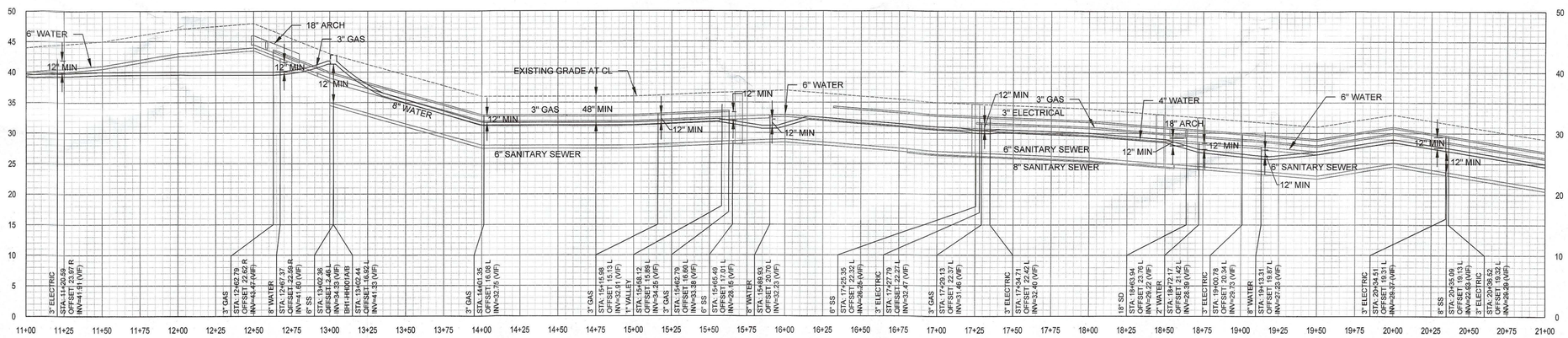

PROFILE VIEW - BH1 - STA 11+00 TO 21+00

SCALE: HOR. 1" = 40' VERT. 1" = 10'

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Sheet
C-102

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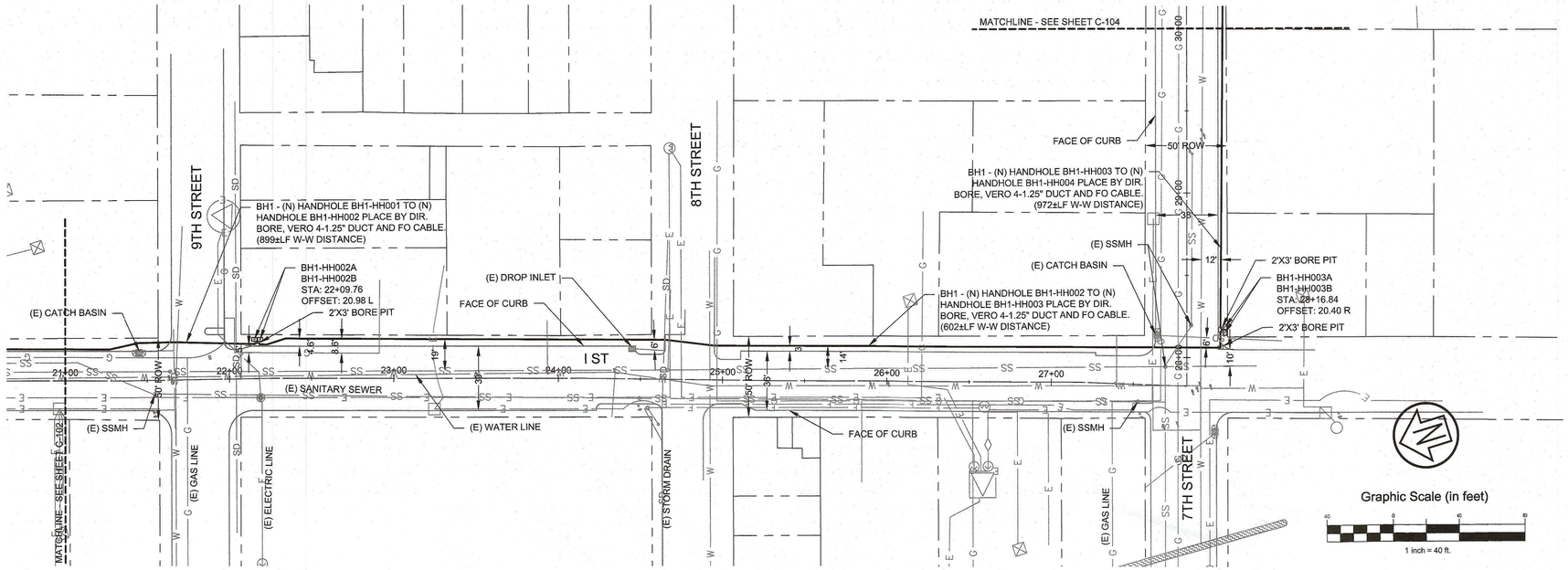

PLAN - BH1 STA: 21+00 TO STA: 30+00

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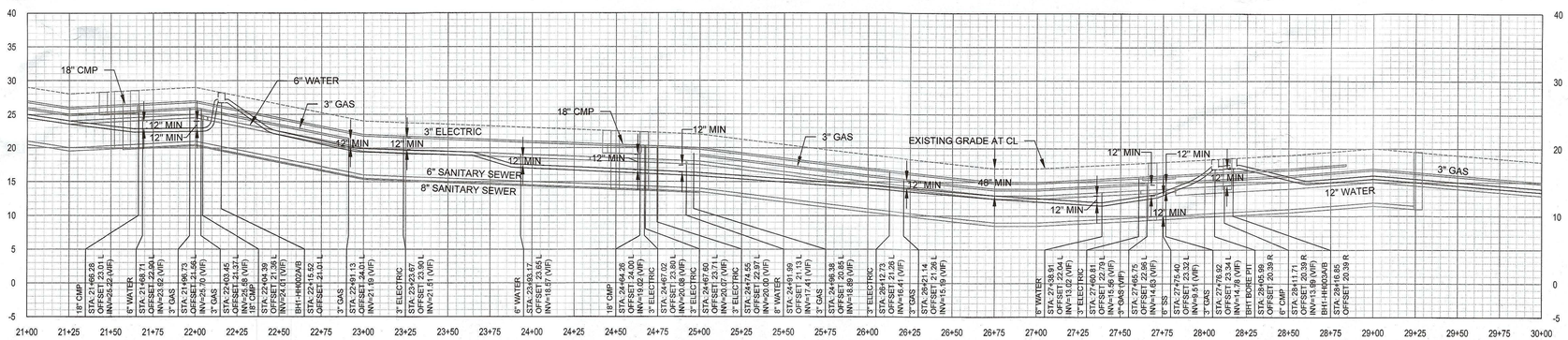

PROFILE 2 - BH1 - STA 21+00 TO 30+00

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C-103

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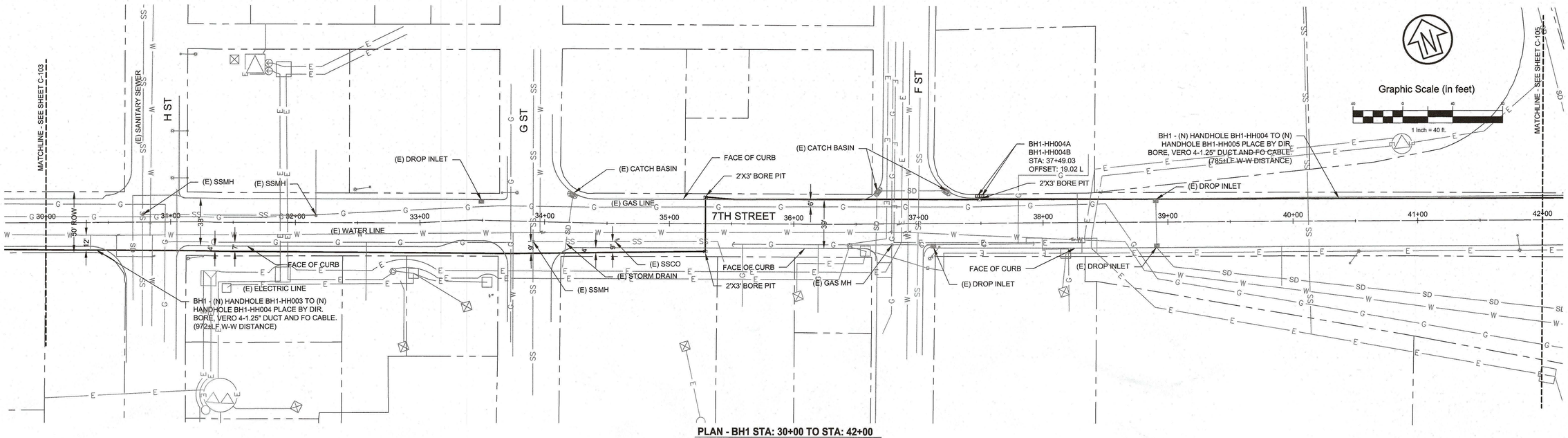

PLAN - BH1 STA: 30+00 TO STA: 42+00

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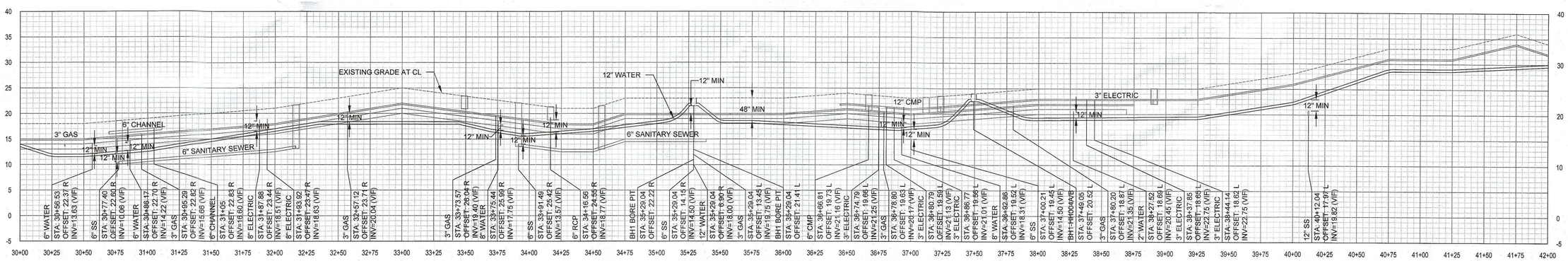

PROFILE - BH1 - STA 30+00 TO 42+00

SCALE: HOR. 1" = 40' VERT. 1" = 10'

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CONDUIT LAYOUT PLAN & PROFILE - STA: 30+00 TO STA: 42+00
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Sheet
C-104

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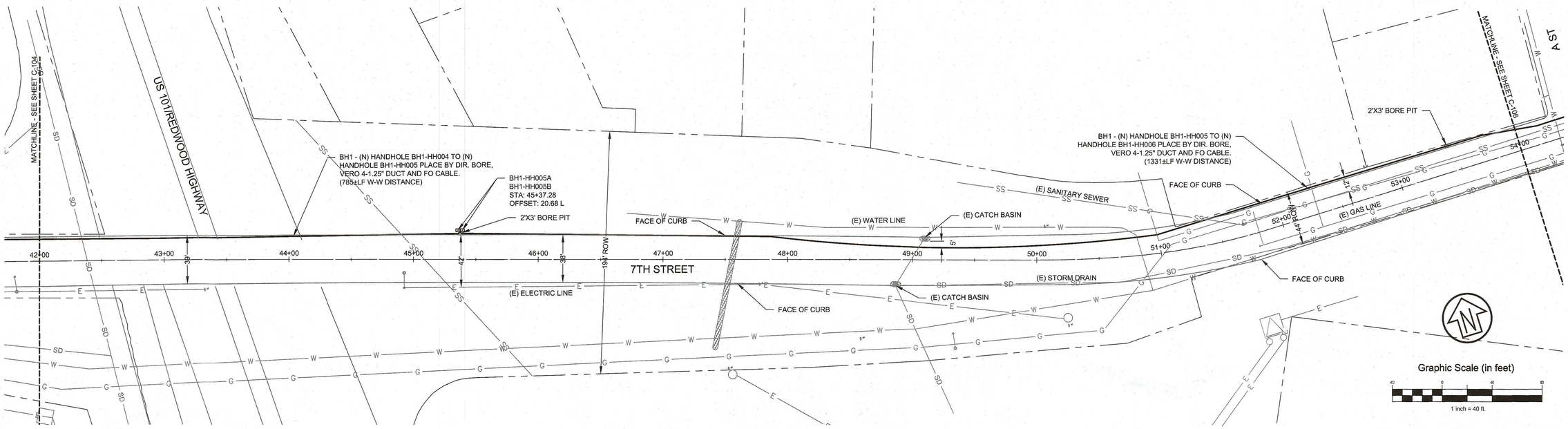
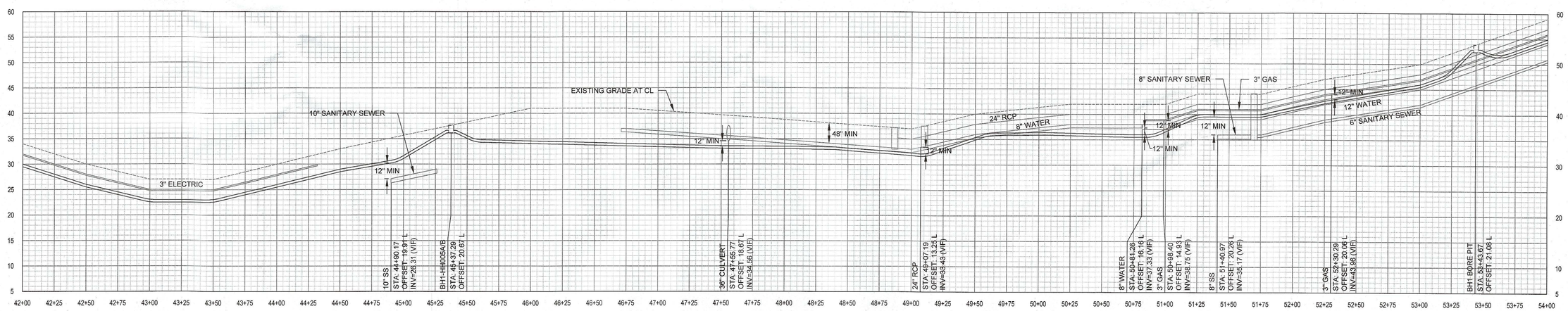


PLAN - BH1 STA: 42+00 TO STA: 54+00

SCALE: 1" = 40'



PROFILE - BH1 - STA 42+00 TO 54+00

SCALE: HOR. 1" = 40' VERT. 1" = 10'

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Plan File:	D-XXXX-

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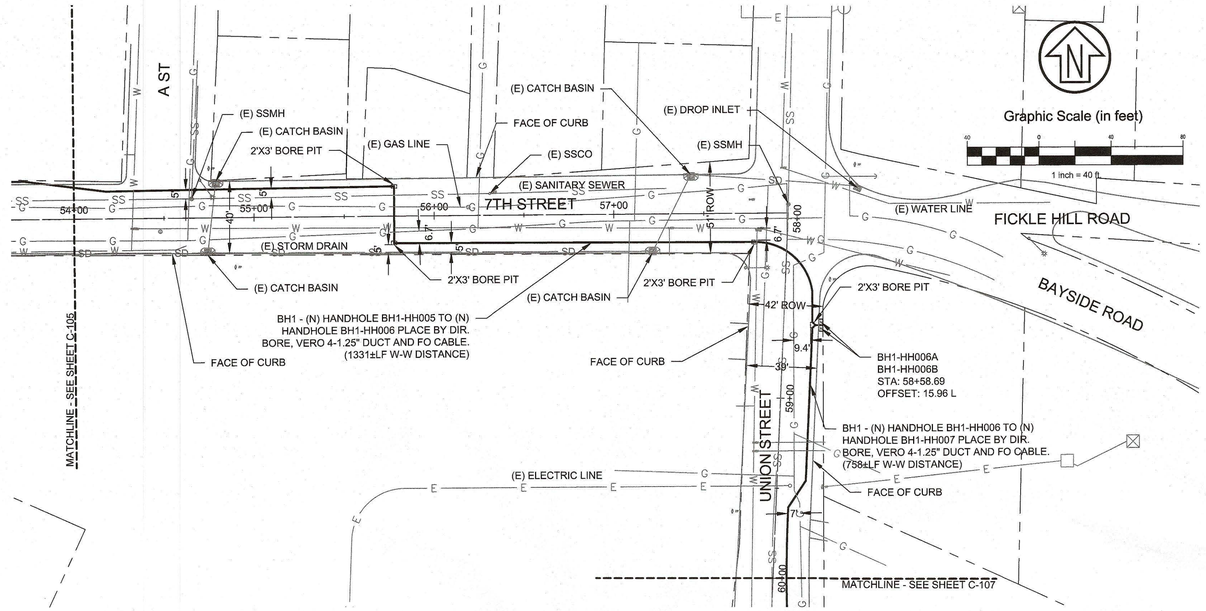
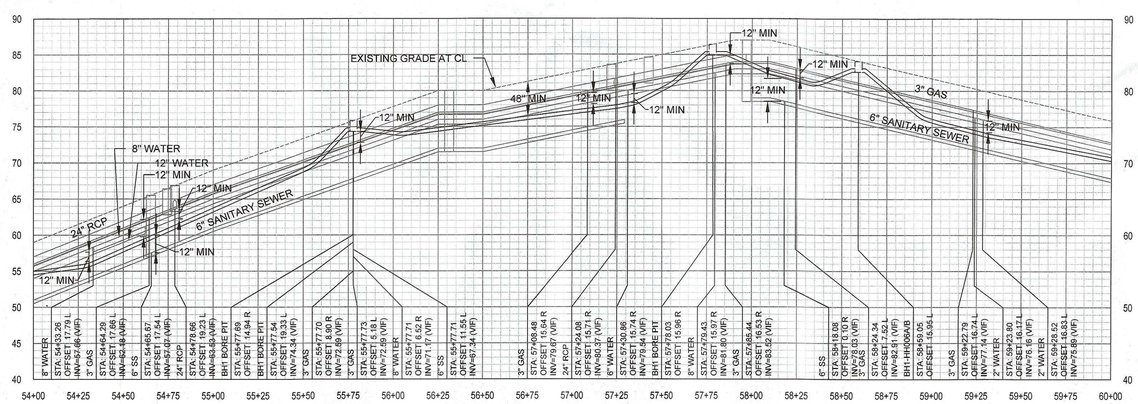


PLAN - BH1 STA: 54+00 TO STA: 60+00

SCALE: 1" = 40'



PROFILE - BH1 - STA 54+00 TO 60+00

SCALE: HOR. 1" = 40' VERT. 1" = 10'

Rev	Date	Description	Designed	Drawn	Checked
-	09/23/20	SUBMITTAL	JAH	FAV	JAH

VERO Fiber Networks

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CONDUIT LAYOUT PLAN & PROFILE - STA: 54+00 TO STA: 60+00
VERO FIBER NETWORKS

Prepared Under the Direction of:

REGISTERED PROFESSIONAL ENGINEER
JULIA A. HARBERSON
No. 76626
CIVIL
STATE OF CALIFORNIA

Sheet
C-106

Scale:	1" = 40'
Date:	09/23/20
Project Number:	1910140
Plan File:	D-XXXX-

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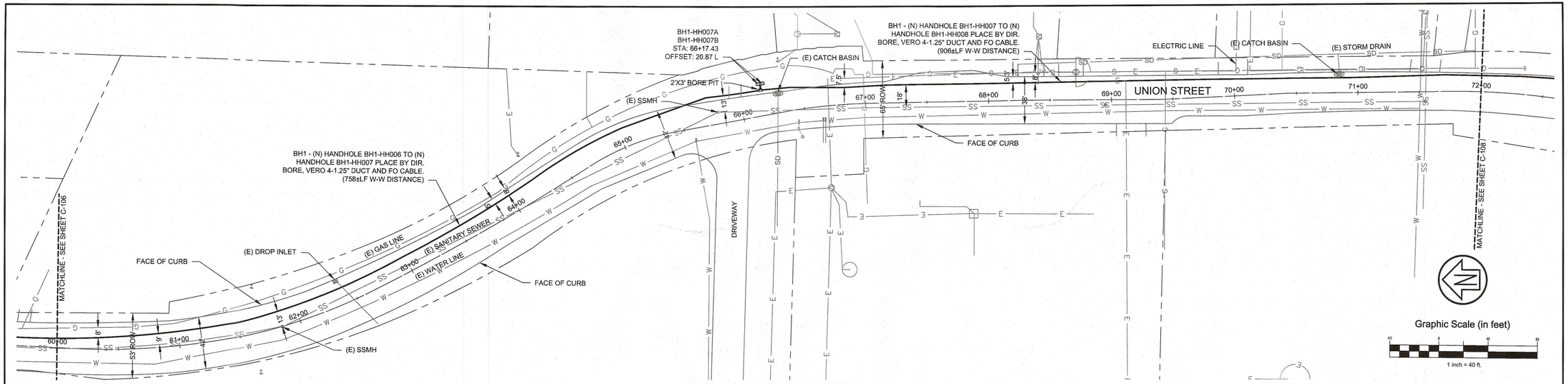
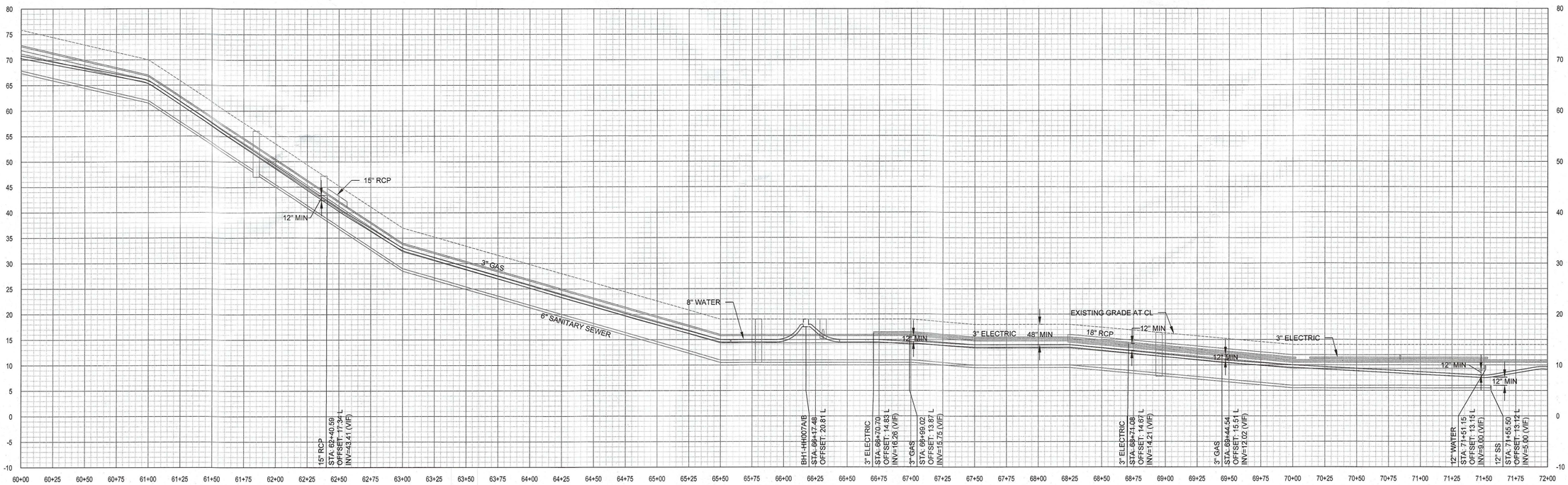


PLAN - BH1 STA: 60+00 TO STA: 72+00

SCALE: 1" = 40'



PROFILE - BH1 - STA 60+00 TO 72+00

SCALE: HOR. 1" = 40' VERT. 1" = 10'

Rev	Date	Description	Designed	Drawn	Checked
-	09/23/20	SUBMITTAL	JAH	FAV	JAH

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CONDUIT LAYOUT PLAN & PROFILE - STA: 60+00 TO STA: 72+00

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REGISTERED PROFESSIONAL ENGINEER
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No. 76626
CIVIL
STATE OF CALIFORNIA

Sheet
C-107

Scale:	1" = 40'
Date:	09/23/20
Project Number:	1910140
Plan File:	D-XXXX-

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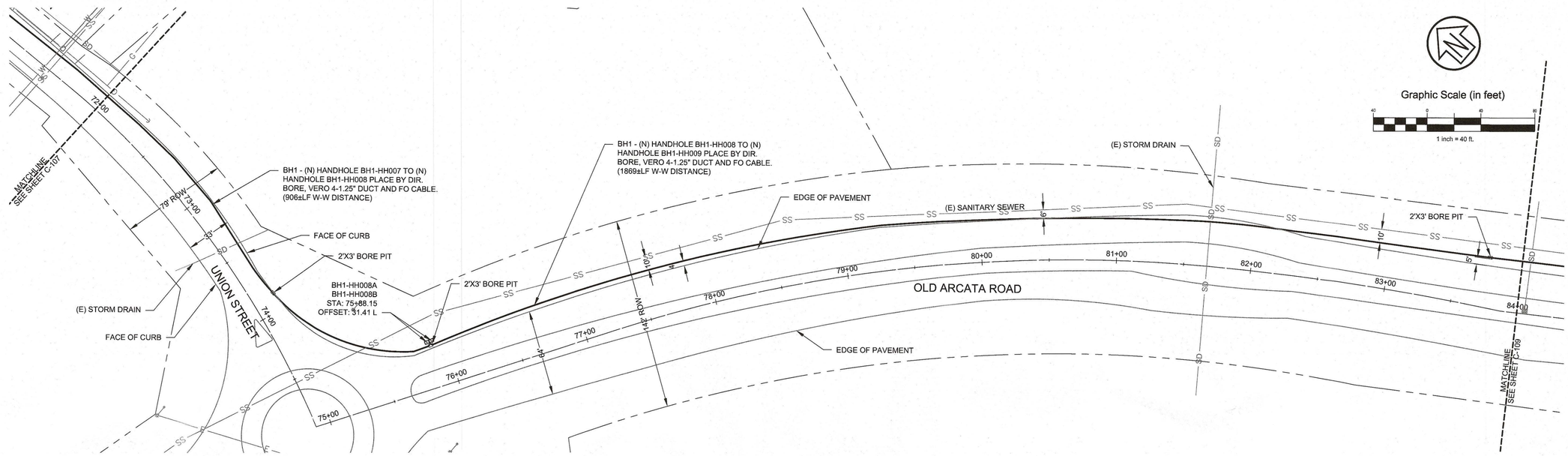
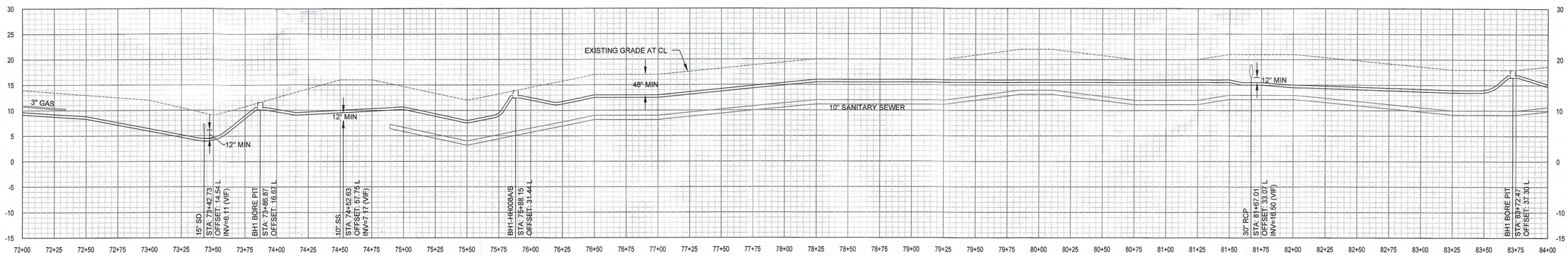


PLAN - BH1 STA: 72+00 TO STA: 84+00

SCALE: 1" = 40'



PROFILE - BH1 - STA 72+00 TO 84+00

SCALE: HOR. 1" = 40' VERT. 1" = 10'

Rev	Date	Description	Designed	Drawn	Checked
-	09/23/20	SUBMITTAL	JAH	FAV	JAH

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CONDUIT LAYOUT PLAN & PROFILE - STA: 72+00 TO STA: 84+00

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Prepared Under the Direction of:

REGISTERED PROFESSIONAL ENGINEER
JULIA A. HARBERSON
No. 76626
CIVIL
STATE OF CALIFORNIA

Sheet
C-108

Scale:	1" = 40'
Date:	09/23/20
Project Number:	1910140
Plan File:	D-XXXX-

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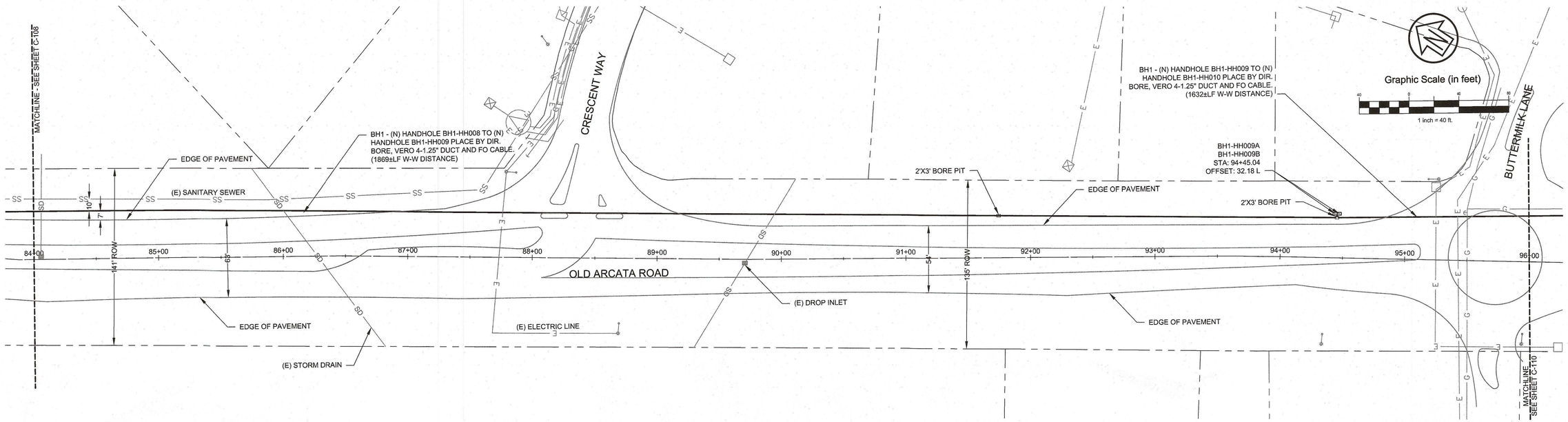
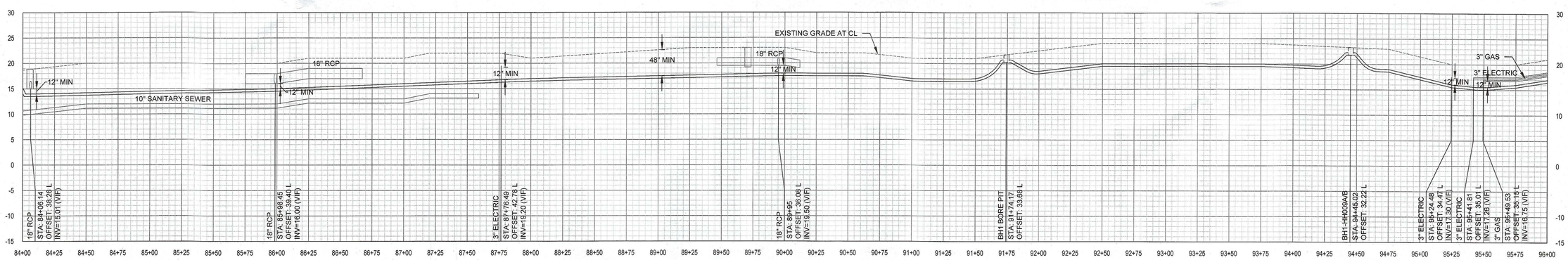


PLAN - BH1 STA: 84+00 TO STA: 96+00

SCALE: 1" = 40'



PROFILE - BH1 - STA 84+00 TO 96+00

SCALE: HOR. 1" = 40' VERT. 1" = 10'

Rev	Date	Description	Designed	Drawn	Checked
-	09/23/20	SUBMITTAL	JAH	FAV	JAH

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CONDUIT LAYOUT PLAN & PROFILE - STA: 84+00 TO STA: 96+00

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Prepared Under the Direction of:

REGISTERED PROFESSIONAL ENGINEER
JULIA A. HARBERSON
No. 76626
CIVIL
STATE OF CALIFORNIA

Sheet
C-109

Scale:	1" = 40'
Date:	09/23/20
Project Number:	1910140
Plan File:	D-XXXX-

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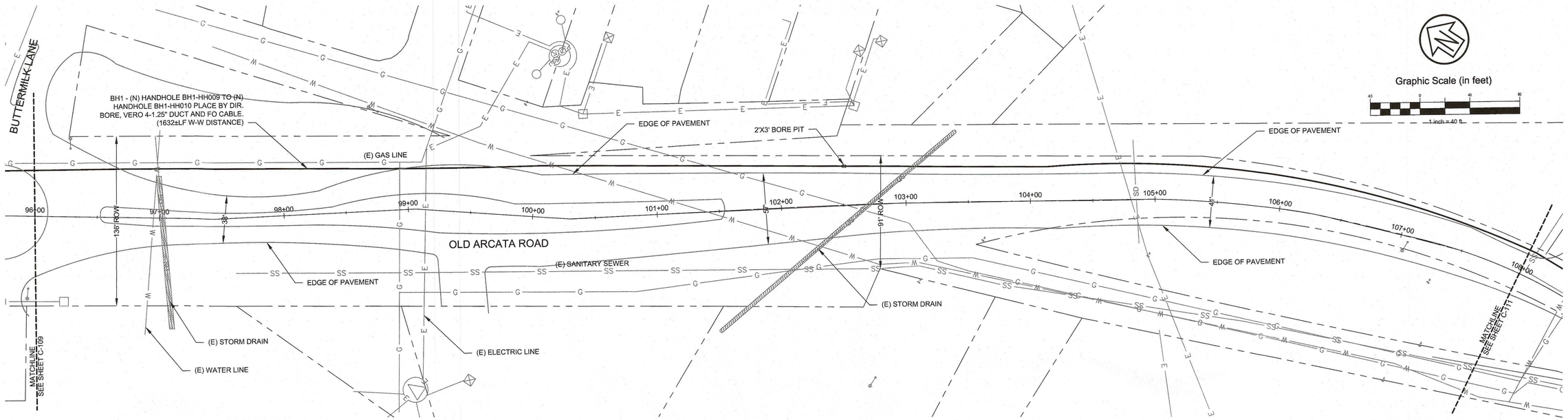
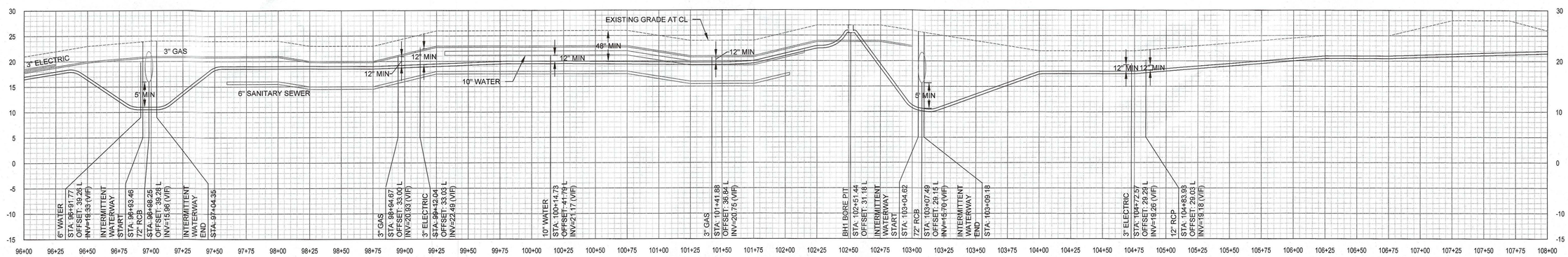


PLAN - BH1 STA: 96+00 TO STA: 108+00

SCALE: 1" = 40'



PROFILE - BH1 - STA 96+00 TO 108+00

SCALE: HOR. 1" = 40' VERT. 1" = 10'

Rev	Date	Description	Designed	Drawn	Checked
-	09/23/20	SUBMITTAL	JAH	FAV	JAH

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JULIA A. HARBERSON
No. 76626
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STATE OF CALIFORNIA

Sheet **C-110**

Scale:	1" = 40'
Date:	09/23/20
Project Number:	1910140
Plan File:	D-XXXX-

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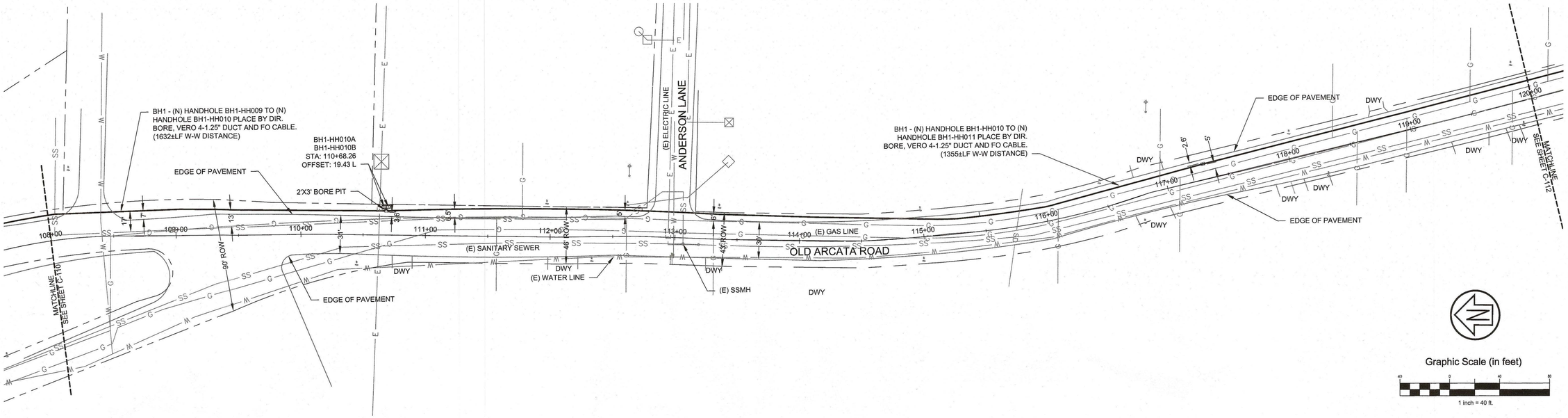
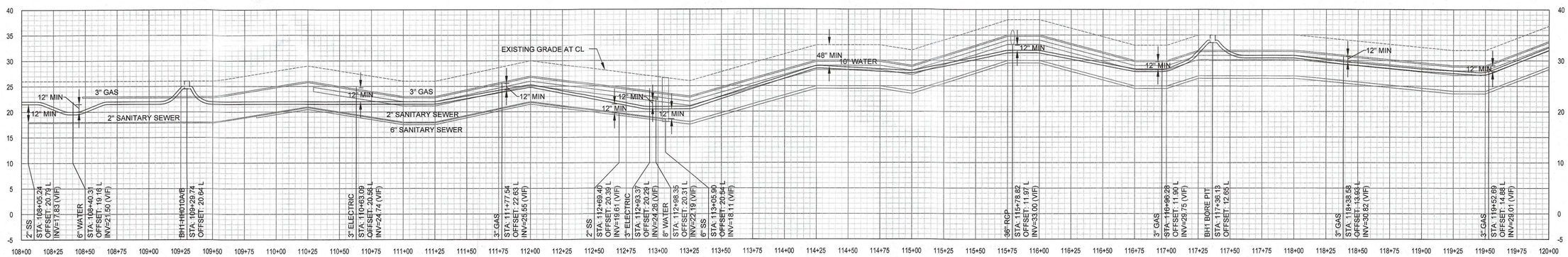


PLAN - BH1 STA: 108+00 TO STA: 120+00

SCALE: 1" = 40'



PROFILE - BH1 - STA 108+00 TO 120+00

SCALE: HOR. 1" = 40' VERT. 1" = 10'

Rev	Date	Description	Designed	Drawn	Checked
-	09/23/20	SUBMITTAL	JAH	FAV	JAH

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No. 76626
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STATE OF CALIFORNIA

Sheet

C-111

Scale:	1" = 40'
Date:	09/23/20
Project Number:	1910140
Plan File:	D-XXXX-

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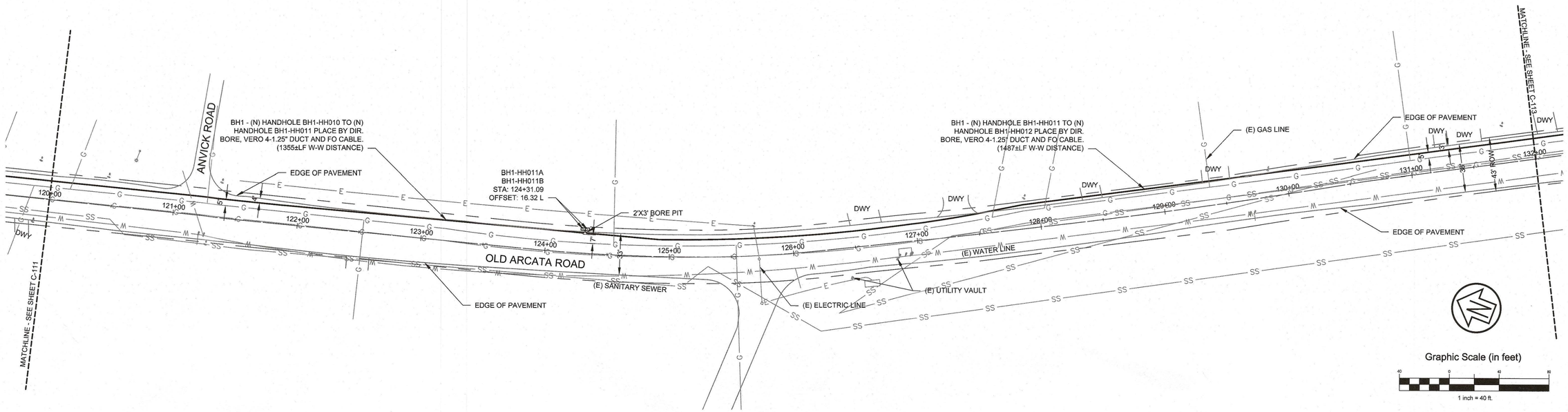
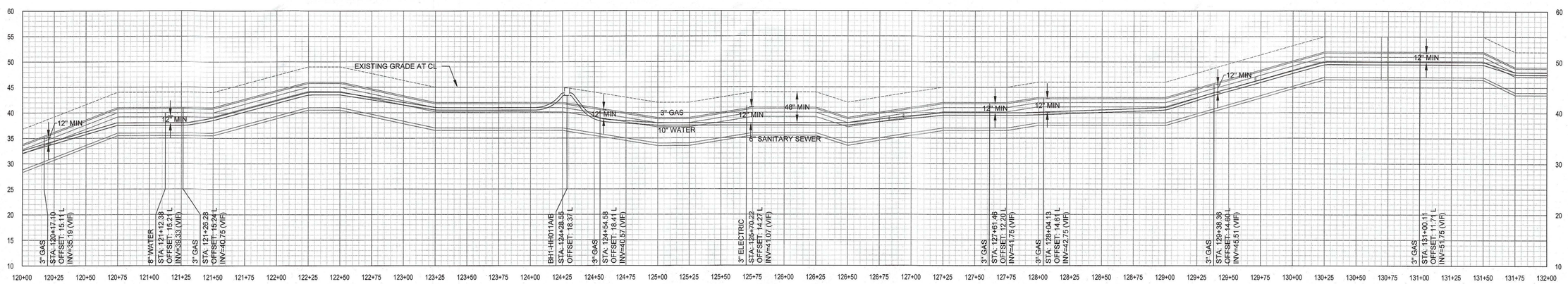


PLAN - BH1 STA: 120+00 TO STA: 132+00

SCALE: 1" = 40'



PROFILE - BH1 - STA 120+00 TO 132+00

SCALE: HOR. 1" = 40' VERT. 1" = 10'

Rev	Date	Description	Designed	Drawn	Checked
-	09/23/20	SUBMITTAL	JAH	FAV	JAH

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CONDUIT LAYOUT PLAN & PROFILE - STA: 120+00 TO STA: 132+00

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Prepared Under the Direction of:

REGISTERED PROFESSIONAL ENGINEER JULIA A. HARBERSON No. 76626 CIVIL STATE OF CALIFORNIA

Sheet C-112

Scale:	1" = 40'
Date:	09/23/20
Project Number:	1910140
Plan File:	D-XXXX-

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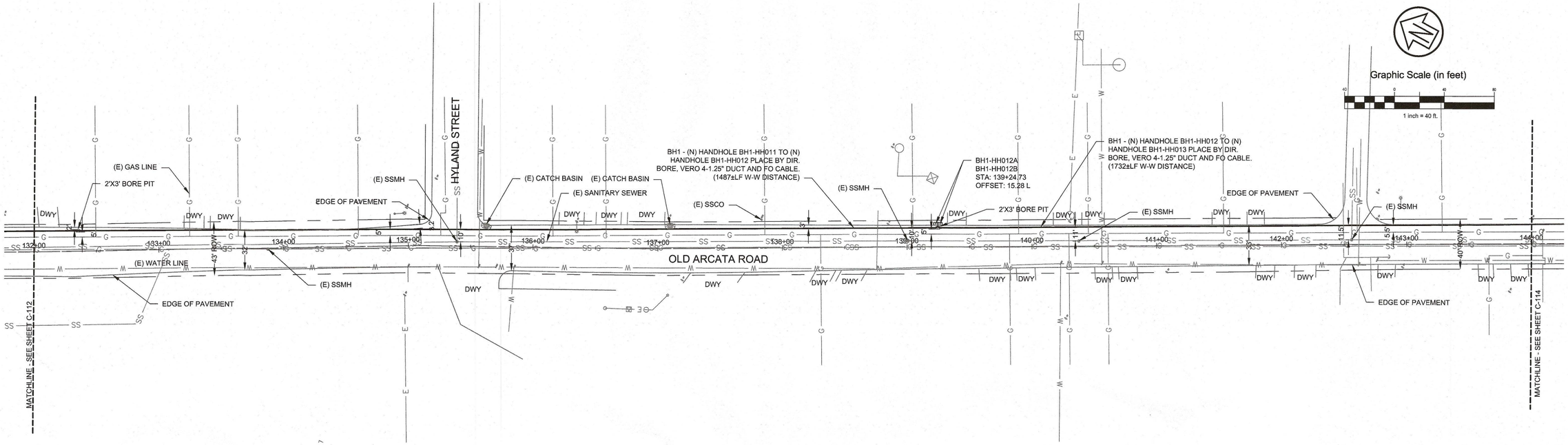
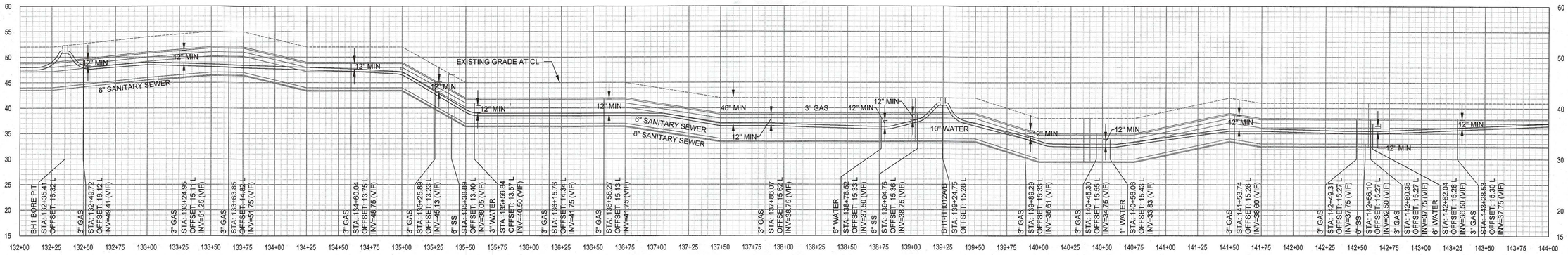


PLAN - BH1 STA: 132+00 TO STA: 144+00

SCALE: 1" = 40'



PROFILE - BH1 - STA 132+00 TO 144+00

SCALE: HOR. 1" = 40' VERT. 1" = 10'

Rev	Date	Description	Designed	Drawn	Checked
-	09/23/20	SUBMITTAL	JAH	FAV	JAH

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CONDUIT LAYOUT PLAN & PROFILE - STA: 132+00 TO STA: 144+00

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JULIA A. HARBERSON
No. 76626
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STATE OF CALIFORNIA

Sheet

C-113

Scale:	1" = 40'
Date:	09/23/20
Project Number:	1910140
Plan File:	D-XXXX-

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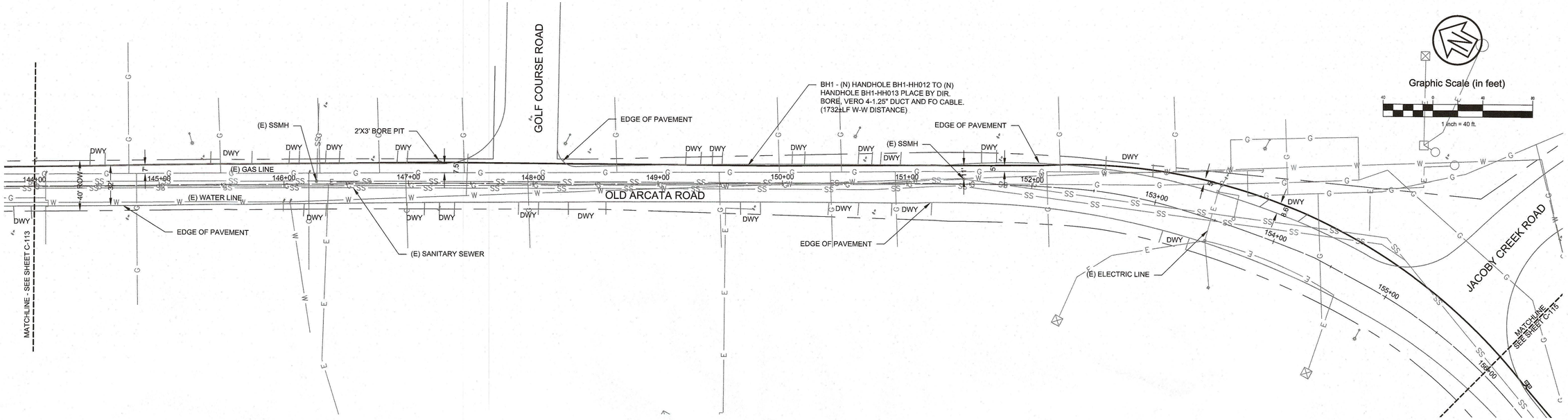
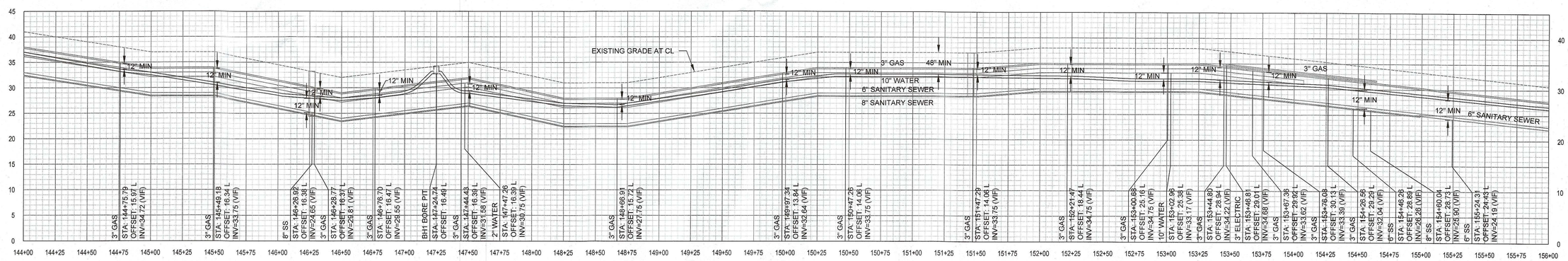


PLAN - BH1 STA: 144+00 TO STA: 156+00

SCALE: 1" = 40'



PROFILE - BH1 - STA 144+00 TO 156+00

SCALE: HOR. 1" = 40' VERT. 1" = 10'

Rev	Date	Description	Designed	Drawn	Checked
-	09/23/20	SUBMITTAL	JAH	FAV	JAH

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No. 76626
CIVIL
STATE OF CALIFORNIA

Sheet

C-114

Scale:	1" = 40'
Date:	09/23/20
Project Number:	1910140
Plan File:	D-XXXX-

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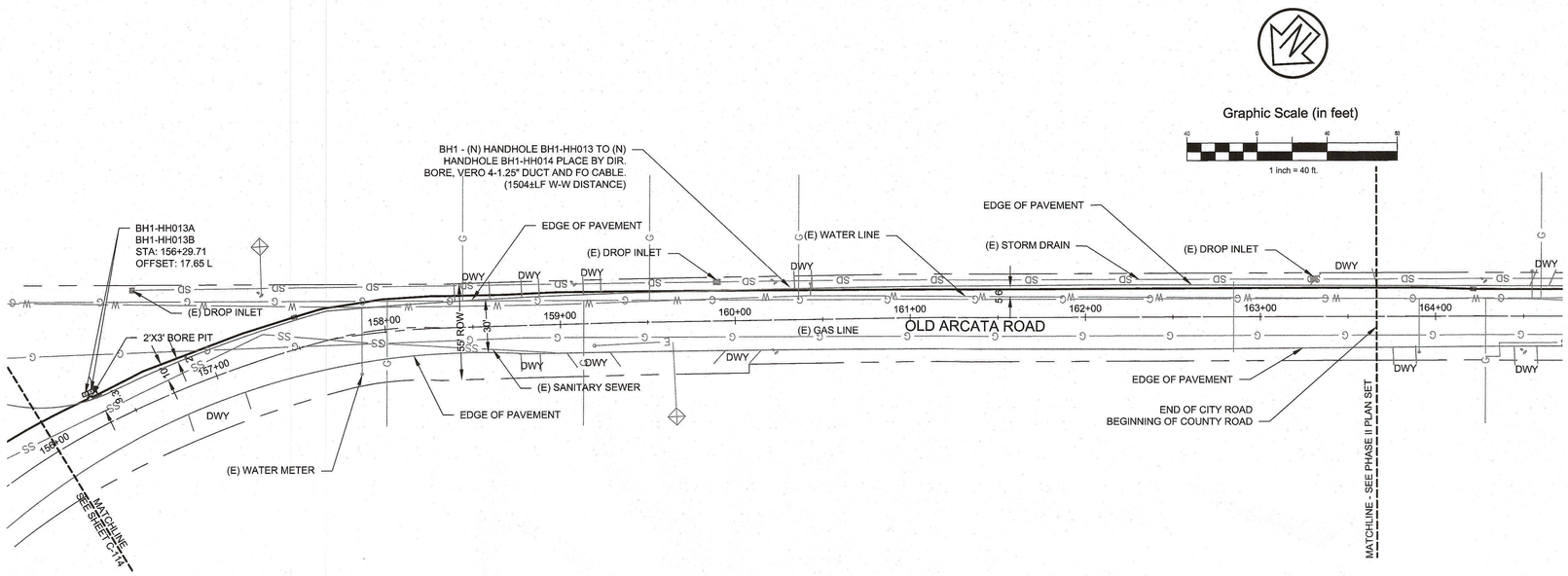
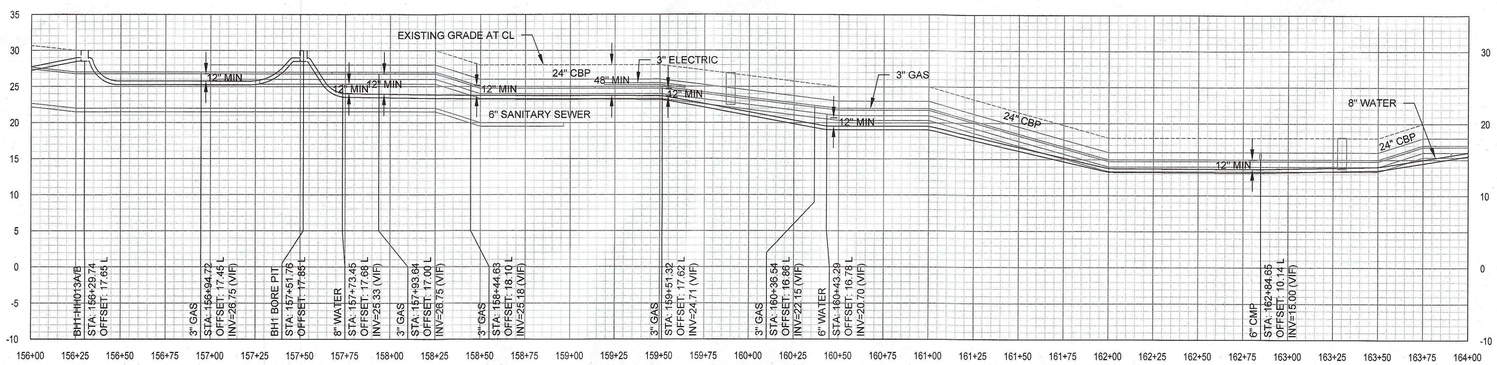


PLAN - BH1 STA: 156+00 TO STA: 164+00

SCALE: 1" = 40'



PROFILE - BH1 - STA 156+00 TO 164+00

SCALE: HOR. 1" = 40' VERT. 1" = 10'

Rev	Date	Description	Designed	Drawn	Checked
-	09/23/20	SUBMITTAL	JAH	FAV	JAH

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CONDUIT LAYOUT PLAN & PROFILE - STA: 156+00 TO STA: 168+00

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REGISTERED PROFESSIONAL ENGINEER JULIA A. HARBERSON No. 76626 CIVIL STATE OF CALIFORNIA

Sheet C-115

Scale:	1" = 40'
Date:	09/23/20
Project Number:	1910140
Plan File:	D-XXXX-

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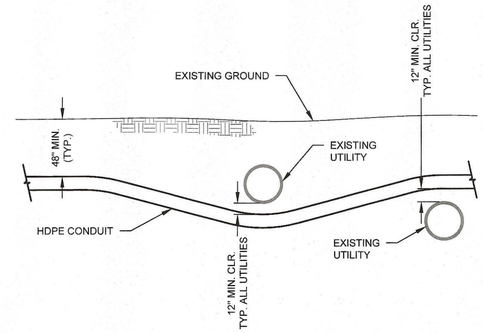
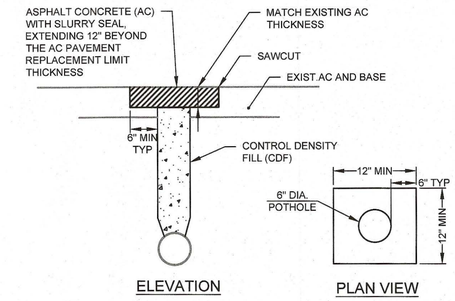
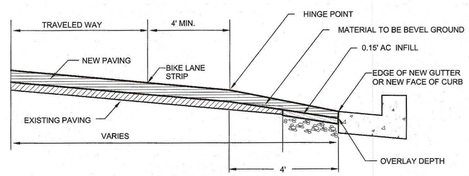


A TYPICAL UTILITY CROSSING DETAIL
SCALE: 1" = 5'

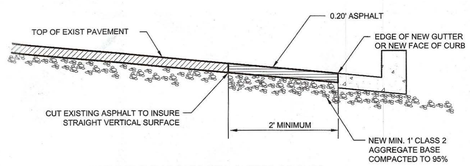


B TYPICAL POTHOLE REPAIR
SCALE: 1" = 5'



ASPHALT OVERLAY TO NEW GUTTER EDGE

NOTES:
1. ASPHALT INFILL ALONG GUTTER LIP SHALL BE A MINIMUM OF 0.15'.
2. VERTICAL LIP SHALL BE SWEPT CLEAN OF DUST AND AC BINDER APPLIED PRIOR TO PAVING.
3. WIDTH OF GRIND MAY VARY AT THE CITY ENGINEERS DISCRETION DUE TO SITE CONDITIONS.
4. COLD JOINT OR HINGE POINT SHALL BE UNDER BIKE LANE STRIP IF WITHIN 4' OF THE CURB SIDE OF BIKE LANE STRIP



ASPHALT SHEAR IN TO NEW GUTTER OR CURB

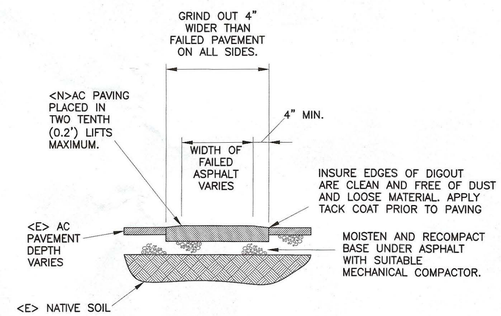
NOTES:
1. AGGREGATE BASE AND ASPHALT SHALL BE MECHANICALLY COMPACTED AND FIELD VERIFIED BY CITY ENGINEERING.
2. VERTICAL EDGES SHALL BE SWEPT CLEAN OF DUST AND AC BINDER APPLIED PRIOR TO PAVING.
3. SHEAR IN WIDTH MAY BE ALTERED BY THE CITY ENGINEER.
4. NOTIFY CITY ENGINEERING 24 HOURS PRIOR TO PAVING FOR INSPECTION.

REGISTERED PROFESSIONAL ENGINEER A CHARLES OLSEN No. 56487 CIVIL STATE OF CALIFORNIA

ST 44 Asphalt Shear In C&G.dwg REVISED 3-09-2010

DATE: 03-18-19	CITY OF ARCATA	
DWN: TWB	ASPHALT SHEAR-IN <N>CURB OR GUTTER	
CHK: NBK		APPROVED R.C. CLASS:
DWG NO: ST 44		R.C.E. 56487

C ASPHALT DETAIL
SCALE: N.T.S.



NOTE:
1. CITY ENGINEER TO INSPECT GRIND AREA PRIOR TO COMPACTING OR PAVING.

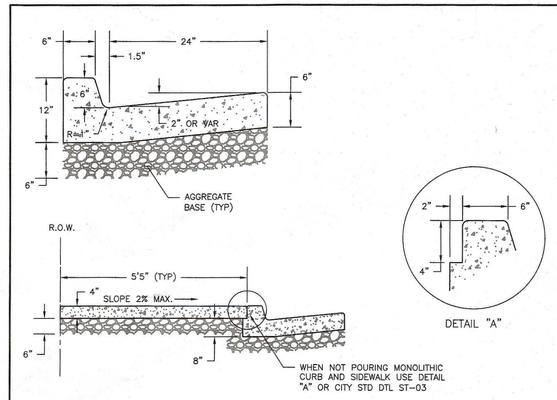
NOT TO SCALE

REGISTERED PROFESSIONAL ENGINEER A CHARLES OLSEN EXP. 6-30-2011 No. 56487 CIVIL STATE OF CALIFORNIA

ST 43A Asphalt Digout.dwg

DATE: 07/11/07	CITY OF ARCATA	
DWN: TWB	ASPHALT DIGOUT	
CHK: RCC		APPROVED: R.C. Class
DWG NO: ST 43A		R.C.E. 56487 EXP 6/30/11

D ASPHALT DETAIL
SCALE: N.T.S.



NOTES
1. SEE CITY STANDARD ST-05 FOR LOCATION OF WEAKENED PLANES AND JOINTS.
2. DESIGN SHALL CONFORM TO THESE REQUIREMENTS EXCEPT AS OTHERWISE APPROVED BY THE CITY ENGINEER.
3. ALL CONCRETE SHALL BE 520-C-2500 AS PER THE "GREENBOOK" STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
4. ALL ROUNDED CORNERS TO BE ½" RADIUS UNLESS OTHERWISE SPECIFIED.
5. AGGREGATE BASE MATERIAL SHALL BE CALTRANS CLASS 2, MAX ¾" AGGREGATE BASE, COMPACTED TO 95% RELATIVE COMPACTION.
6. WHEN NEW SIDEWALK ABUTS EXISTING SIDEWALK DOWELS SHALL BE USED TO PREVENT UNEVEN SETTLING: USE 12" OF #3 REBAR AT 12" O.C.
7. BACK OF WALK TO ALIGN WITH PUBLIC RIGHT-OF-WAY LINE UNLESS OTHERWISE APPROVED BY CITY ENGINEER.
8. WIDTH OF SIDEWALK MAY VARY AND SHALL BE APPROVED BY ENGINEER.
9. RETROFIT MAY ADJUST TO MATCH FIELD CONDITIONS IF APPROVED BY ENGINEER.
10. INSPECTION OF FORMS AND FINISHED WORK REQUIRED. SCHEDULE INSPECTION A MINIMUM OF 24 HOURS IN ADVANCE.

REVISION	BY	APPROVED	DATE	CITY OF ARCATA	APPROVED BY:
(ORIGINAL)	TWB	RCC	06/2005	A2 CURB & GUTTER W/ SIDEWALK	N. B. KHATRI, R.C.E. #75428
					DRAWING NUMBER ST-01B

E A2 CURB & GUTTER W/SIDEWALK
SCALE: N.T.S.

Rev	Date	Description	Designed	Drawn	Checked
-	09/23/20	SUBMITTAL	JAH	FAV	JAH

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County	Humboldt
State	California

ARCATA/EUREKA FIBER PROJECT

CONSTRUCTION DETAILS

VERO FIBER NETWORKS

Prepared Under the Direction of:
REGISTERED PROFESSIONAL ENGINEER JULIA A. HARBERSON No. 76626 CIVIL STATE OF CALIFORNIA

Sheet
C-501

Scale:	1" = 40'
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Project Number:	1910140
Plan File:	D-XXXX-

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- TABLE 6C-1 -
RECOMMENDED ADVANCE WARNING SIGN SPACING

ROAD TYPE	DISTANCE BETWEEN SIGNS*		
	A	B	C
URBAN - 25 MPH OR LESS	100 FEET	100 FEET	100 FEET
URBAN - MORE THAN 25 MPH TO 40 MPH	250 FEET	250 FEET	250 FEET
URBAN - MORE THAN 40 MPH	350 FEET	350 FEET	350 FEET
RURAL	500 FEET	500 FEET	500 FEET
EXPRESSWAY / FREEWAY	1,000 FEET	1,500 FEET	2,640 FEET

** THE COLUMN HEADINGS A,B, AND C ARE THE DIMENSIONS SHOWN IN FIGURES 6H-1 THROUGH 6H-46.
THE A DIMENSION IS THE DISTANCE FROM THE TRANSITION OR POINT OF RESTRICTION TO THE FIRST SIGN.
THE B DIMENSION IS THE DISTANCE BETWEEN THE FIRST AND SECOND SIGNS.
THE C DIMENSION IS THE DISTANCE BETWEEN THE SECOND AND THIRD SIGNS. (THE "FIRST SIGN" IS THE SIGN IN A THREE-SIGN SERIES THAT IS CLOSEST TO THE TTC ZONE. THE "THIRD SIGN" IS THE SIGN THAT IS FURTHEST UPSTREAM FROM THE TTC ZONE.)

- TABLE 6C-3 -

SPEED* S (mph)	MINIMUM TAPER LENGTH** FOR WIDTH OF OFFSET 12FT (W)			
	MERGING L (ft)	SHIFTING L/2 (ft)	SHOULDER L/3 (ft)	DOWN STREAM (ft)***
20	80	40	27	50
25	125	63	42	50
30	180	90	60	50
35	245	123	82	50
40	320	160	107	50
45	540	270	180	50
50	600	300	200	50
55	660	330	220	50
60	720	360	240	50
65	780	390	260	50
70	840	420	280	50
75	900	450	300	50

*POSTED SPEED, OFF-PEAK 85TH PERCENTILE SPEED PRIOR TO WORK STARTING, OR THE ANTICIPATED OPERATING SPEED IN MPH.

**FOR OTHER OFFSETS USE THE FOLLOWING MERGING TAPER LENGTH FORMULA FOR L:
FOR SPEEDS OF 65 KM/H (40 MPH) OR LESS, L=WSS/155 (L=WSS/60)
FOR SPEEDS OF 70 KM/H (45 MPH) OR LESS, L=WS/1.6 (L=WS)
ON STATE HIGHWAYS USE TRAFFIC CONTROL SYSTEMS IN THE CALTRANS STANDARD PLANS.

WHERE: L =TAPER LENGTH IN FEET.
W =WIDTH OF OFFSET IN FEET.
S =POSTED SPEED LIMIT, OFF-PEAK 85TH-PERCENTILE SPEED PRIOR TO WORK STARTING, OR THE ANTICIPATED OPERATING SPEED IN MPH.

***MAXIMUM DOWNSTREAM TAPER LENGTH IS 100 FEET. SEE SECTION 6C.08.

BICYCLE CONSIDERATIONS:

1. A TRAVEL ROUTE THAT REPLICATES THE MOST DESIRABLE CHARACTERISTICS OF A WIDE PAVED SHOULDER OR BIKEWAY THROUGH OR AROUND THE TRAFFIC CONTROL ZONE IS DESIRABLE FOR BICYCLISTS.

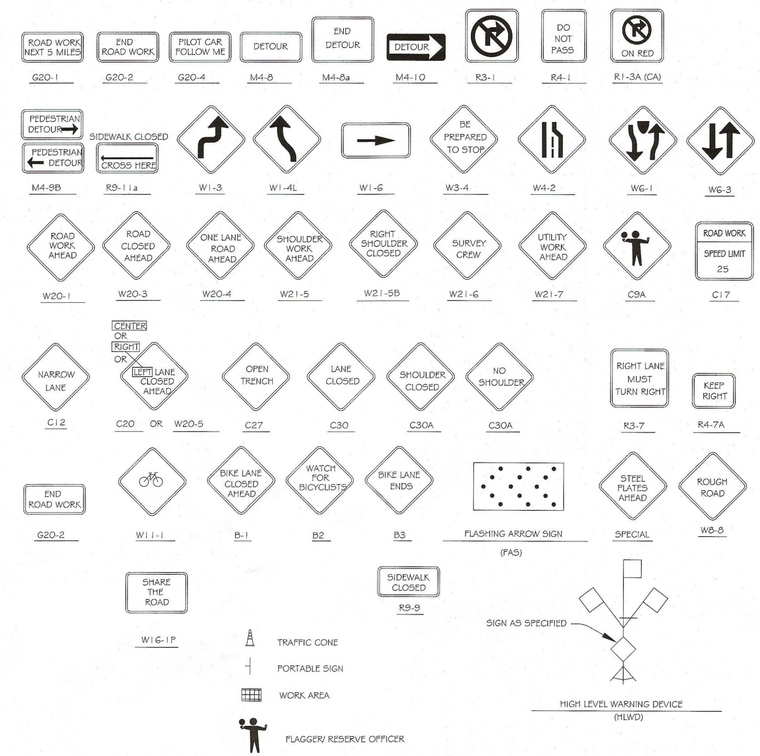
2. IF THE TRAFFIC CONTROL ZONE INTERRUPTS THE CONTINUITY OF AN EXISTING BIKEWAY SYSTEM, SIGNS DIRECTING BICYCLISTS THROUGH OR AROUND THE ZONE AND BACK TO THE BIKEWAY IS DESIRABLE.

3. UNLESS A SEPARATE BIKE PATH THROUGH OR AROUND THE TRAFFIC CONTROL ZONE IS PROHIBITED, ADEQUATE ROADWAY LANE WIDTH TO ALLOW BICYCLISTS AND MOTOR VEHICLES TO TRAVEL SIDE BY SIDE THROUGH OR AROUND THE WORK ZONE IS DESIRABLE.

4. BICYCLISTS SHOULD NOT BE LED INTO DIRECT CONFLICT WITH MAINLINE TRAFFIC, WORK SITE VEHICLES, OR EQUIPMENT MOVING THROUGH OR AROUND THE TRAFFIC CONTROL ZONE.

5. THE B1 AND B3 SIGNS DO NOT NEED TO BE USED IF A 4' WIDTH BIKE LANE CAN BE PROVIDED AS SHOWN BELOW.

CALIFORNIA CURRENT UNIFORM SIGN CHART



REQUIREMENTS/STANDARDS

*CURRENT CALIF MUTCD

LANE CLOSURE

COMPLY WITH CURRENT EDITION OF THE CA MUTCD, PART 6

*SIGN SPACING:

SEE CHART "6C-1"

CONE SPACING

SEE SHEET 19-27

WORK HOURS

9:00AM TO 3:00PM (MON-FRI)

MAINTAIN 2-WAY TRAFFIC AT ALL TIMES (ONE LANE EACH DIRECTION)

MAINTAIN ACCESS TO ALL DRIVEWAYS UNLESS OTHER ARRANGEMENTS HAVE BEEN MADE WITH PROPERTY OWNER.

TRAFFIC CONTROLS SHALL BE MONITORED AND MAINTAINED

POST "NO PARKING" SIGNS 72 HRS. IN ADVANCED OF ANY CONSTRUCTION

MAINTAIN PEDESTRIAN, D/W AND DISABLED ACCESS AT ALL TIMES!

Rev	Date	Description	Designed	Drawn	Checked
-	09/23/20	SUBMITTAL	JAH	FAV	JAH

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State: California

ARCATA/EUREKA FIBER PROJECT

TRAFFIC CONTROL PLAN

VERO FIBER NETWORKS

Prepared Under the Direction of:
REGISTERED PROFESSIONAL ENGINEER
JULIA A. HARBERSON
No. 76626
CIVIL
STATE OF CALIFORNIA

Sheet
C-701

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REQUIREMENTS/STANDARDS

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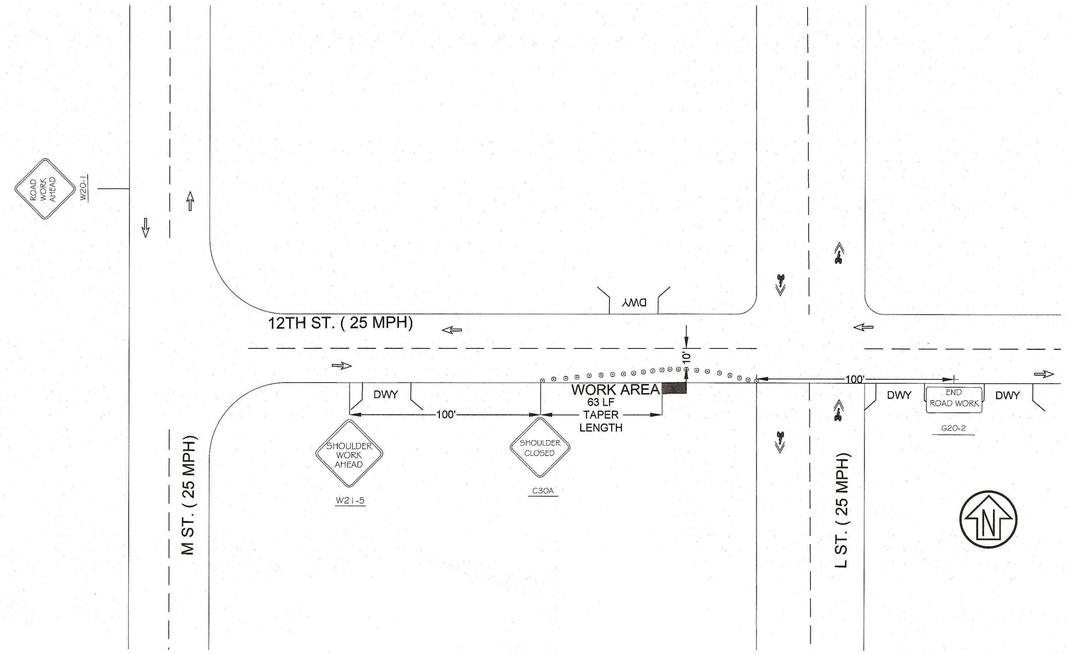

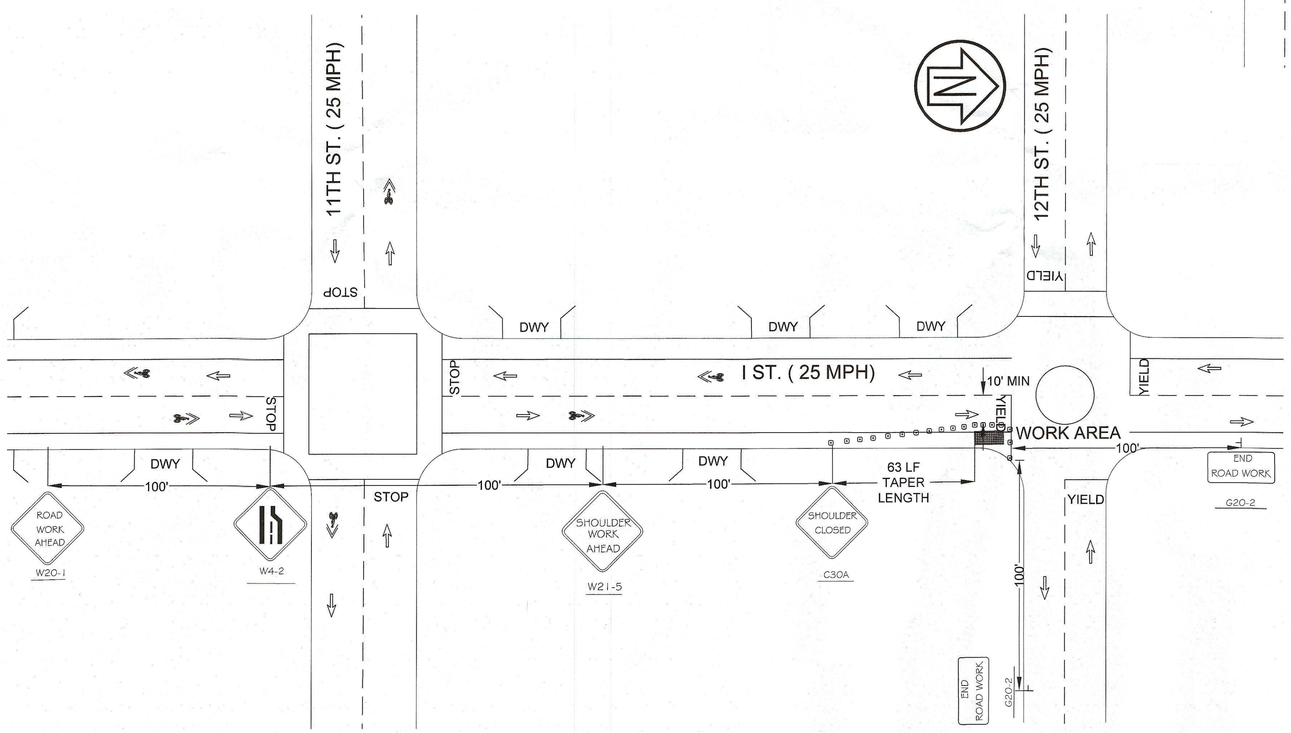

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ARCATA/EUREKA FIBER PROJECT

TRAFFIC CONTROL PLAN

VERO FIBER NETWORKS

Prepared Under the Direction of:

REGISTERED PROFESSIONAL ENGINEER
JULIA A. HARBERSON
No. 76626
CIVIL
STATE OF CALIFORNIA

Sheet

C-702

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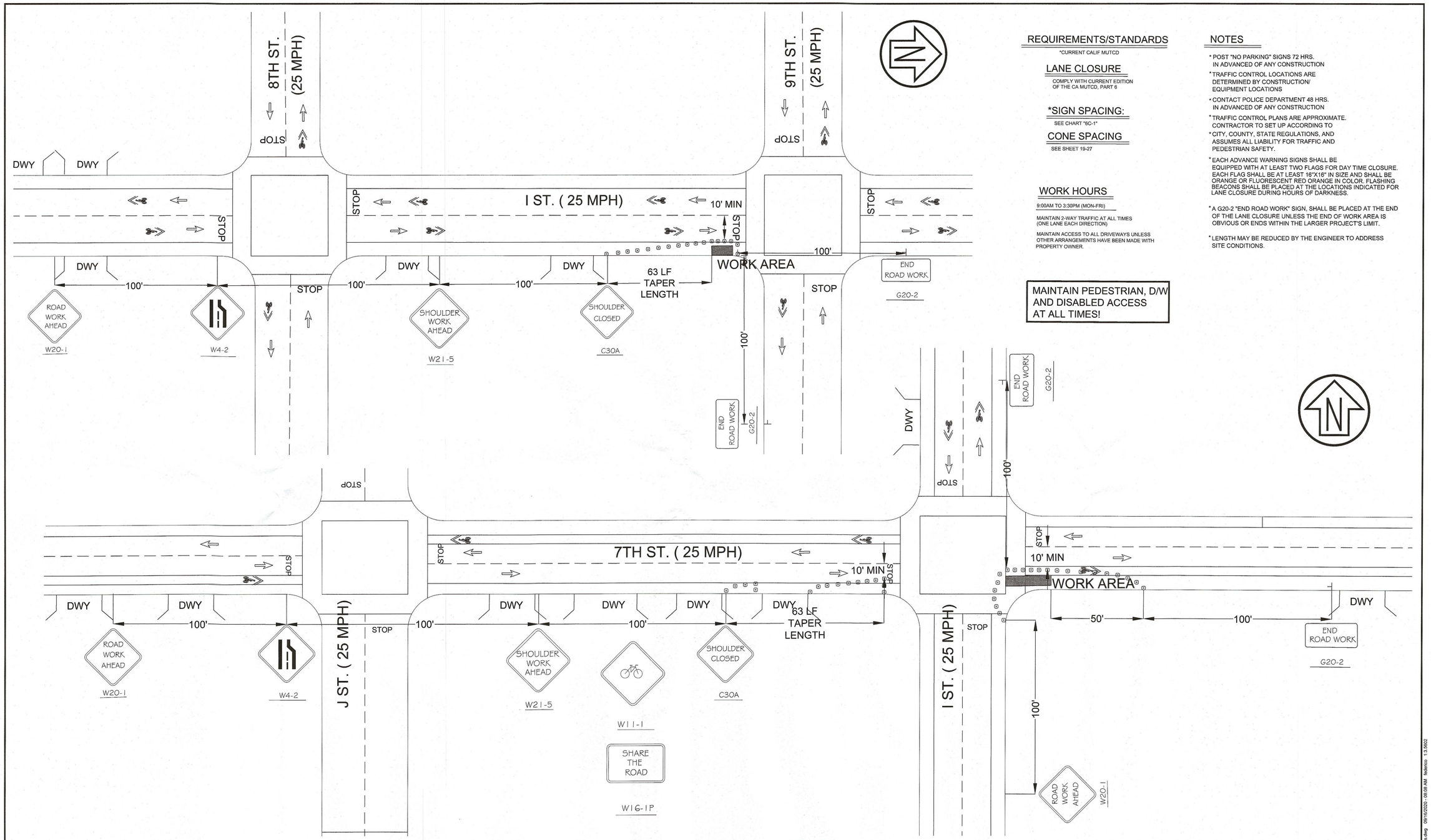

REQUIREMENTS/STANDARDS

*CURRENT CALIF MUTCD

LANE CLOSURE

COMPLY WITH CURRENT EDITION OF THE CA MUTCD, PART 6

*SIGN SPACING:

SEE CHART "6C-1"

CONE SPACING

SEE SHEET 19-27

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-	09/23/20	SUBMITTAL	JAH	FAV	JAH

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ARCATA/EUREKA FIBER PROJECT

TRAFFIC CONTROL PLAN

VERO FIBER NETWORKS

Prepared Under the Direction of:

REGISTERED PROFESSIONAL ENGINEER
JULIA A. HARBERSON
No. 76626
CIVIL
STATE OF CALIFORNIA

Sheet
C-703

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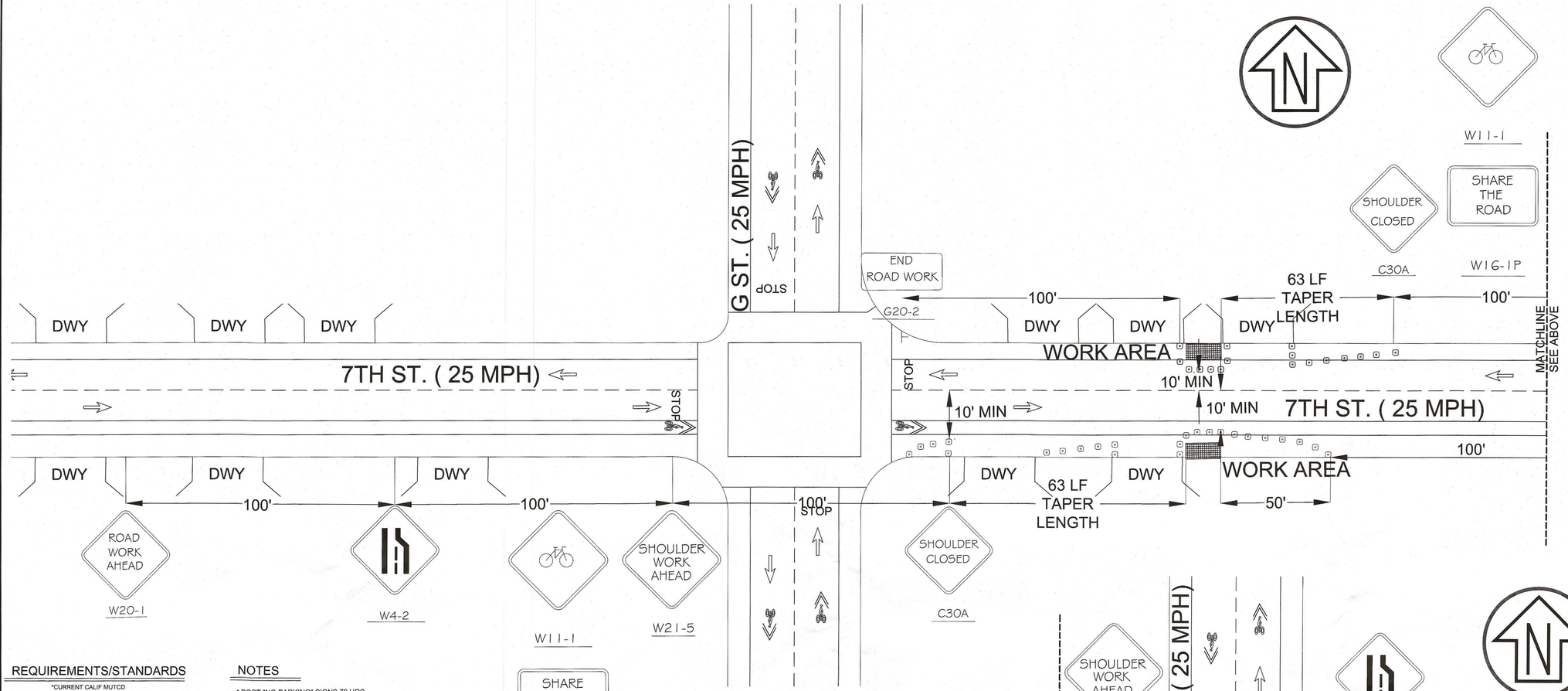

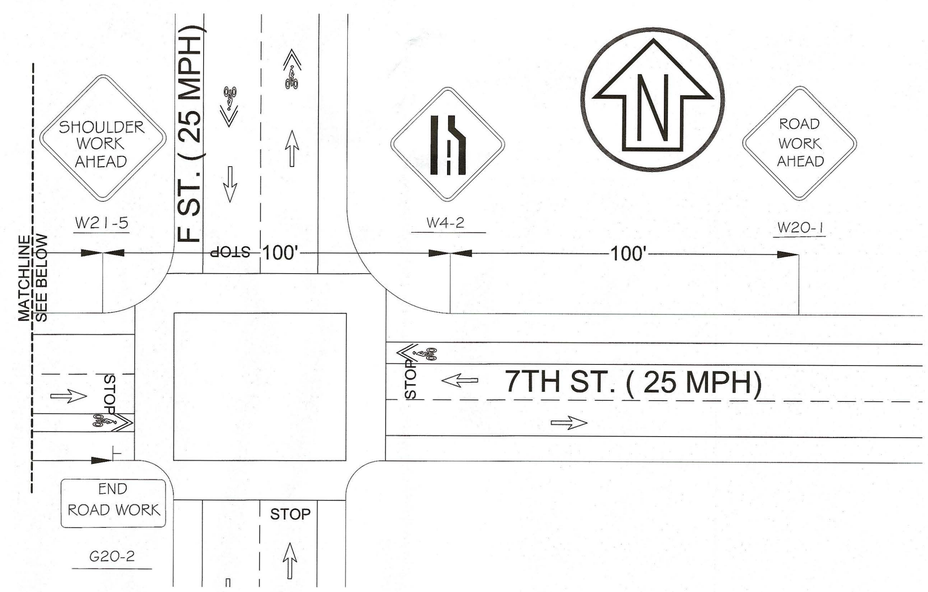

REQUIREMENTS/STANDARDS

*CURRENT CALIF MUTCD

LANE CLOSURE

COMPLY WITH CURRENT EDITION OF THE CA MUTCD, PART 6

*SIGN SPACING:

SEE CHART "6C-1"

CONE SPACING

SEE SHEET 19-27

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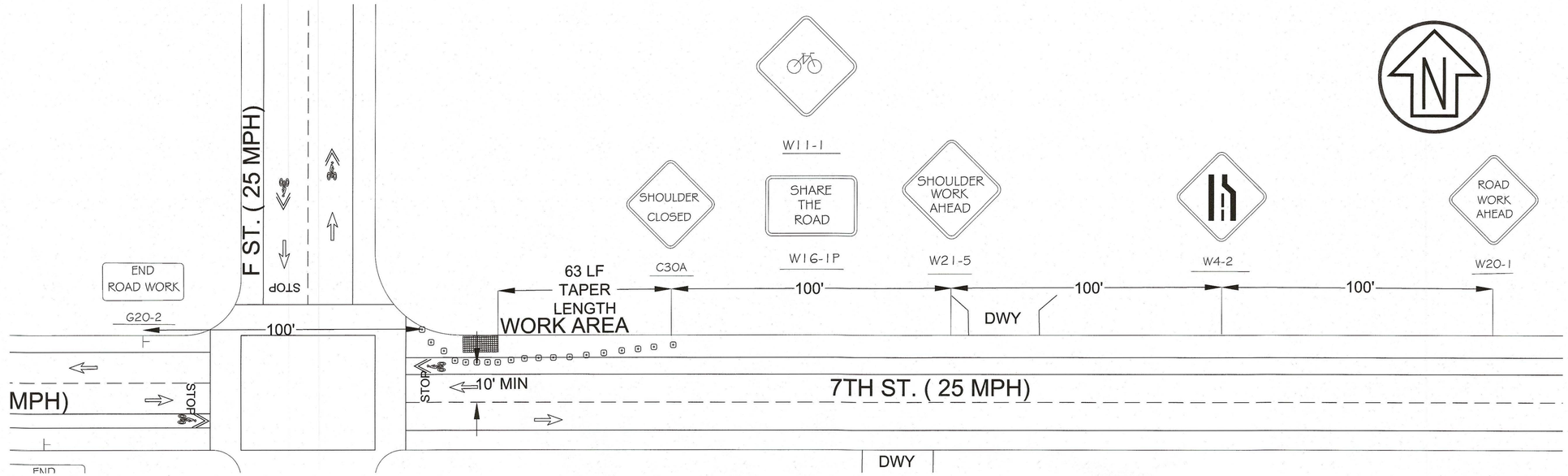

REQUIREMENTS/STANDARDS

*CURRENT CALIF MUTCD

LANE CLOSURE

COMPLY WITH CURRENT EDITION OF THE CA MUTCD, PART 6

*SIGN SPACING:

SEE CHART "6C-1"

CONE SPACING

SEE SHEET 19-27

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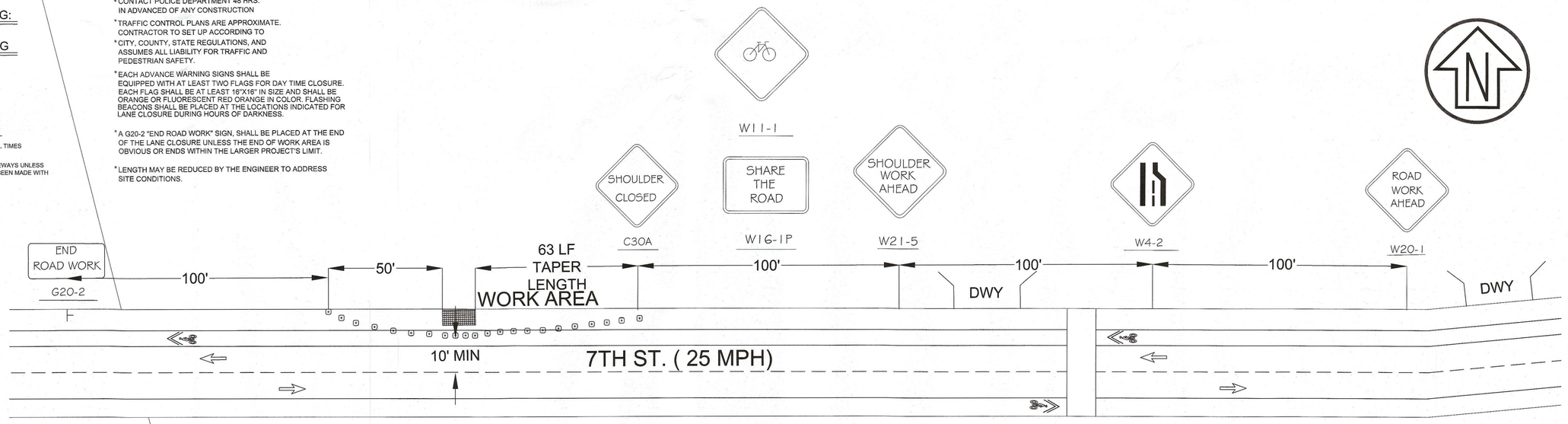

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ARCATA/EUREKA FIBER PROJECT

TRAFFIC CONTROL PLAN

VERO FIBER NETWORKS

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Sheet C-705

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REQUIREMENTS/STANDARDS

*CURRENT CALIF MUTCD

LANE CLOSURE

COMPLY WITH CURRENT EDITION OF THE CA MUTCD, PART 6

*SIGN SPACING:

SEE CHART "6C-1"

CONE SPACING

SEE SHEET 19-27

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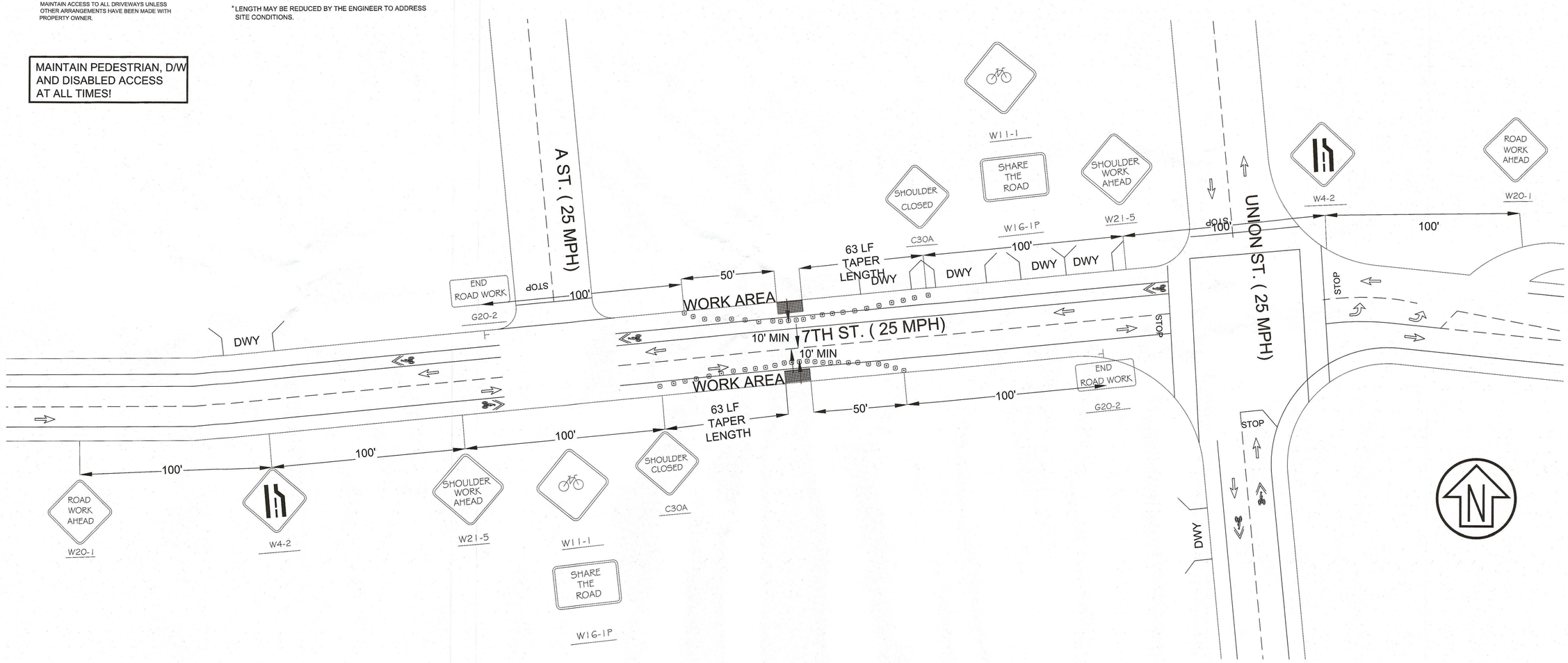

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State	California

ARCATA/EUREKA FIBER PROJECT

TRAFFIC CONTROL PLAN

VERO FIBER NETWORKS

Prepared Under the Direction of:

REGISTERED PROFESSIONAL ENGINEER
JULIA A. HARBERSON
No. 76626
CIVIL
STATE OF CALIFORNIA

Sheet C-706

Scale:	
Date:	09/23/20
Project Number:	1910140
Plan File:	D-XXXX-

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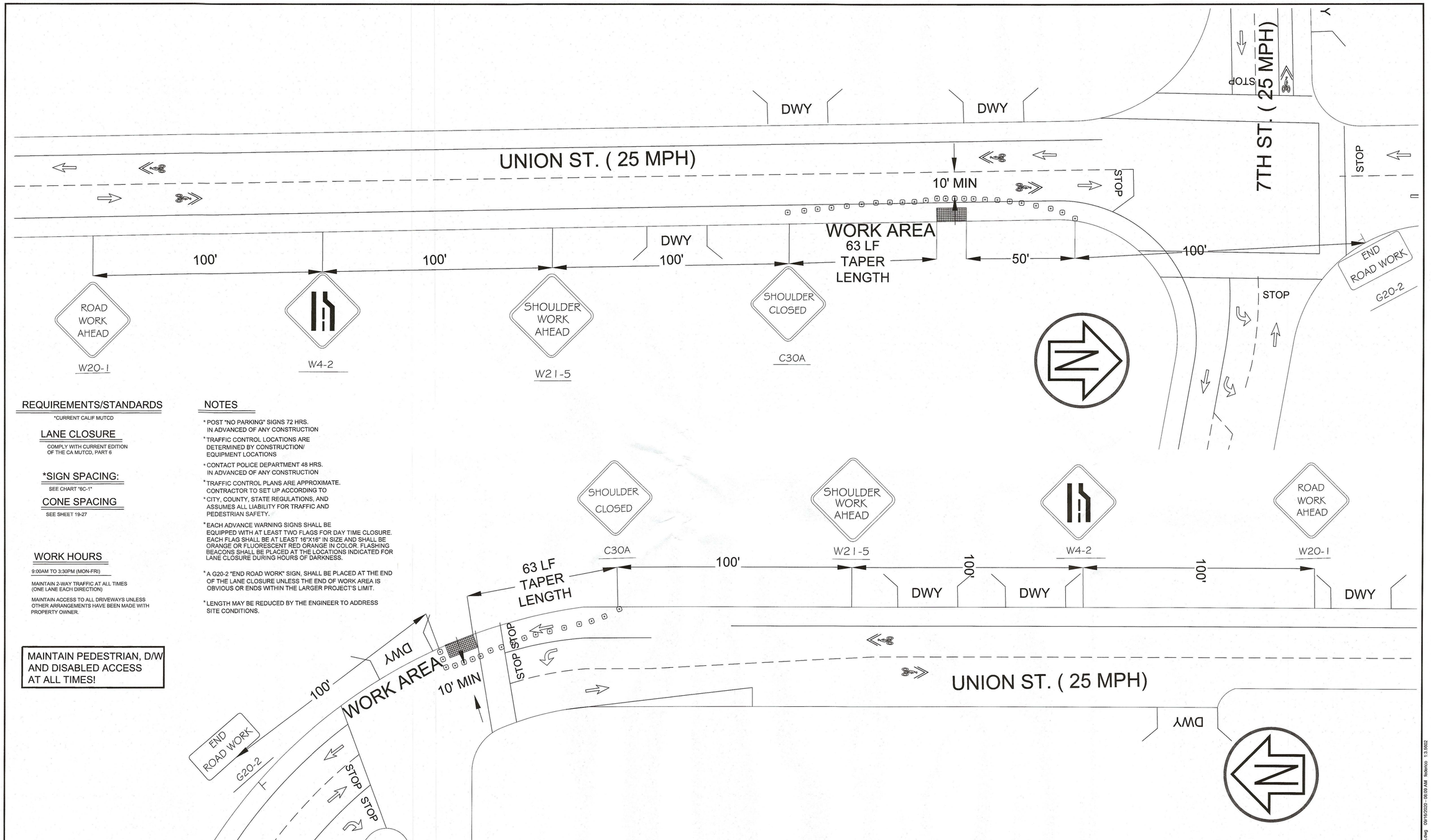

REQUIREMENTS/STANDARDS

*CURRENT CALIF MUTCD

LANE CLOSURE

COMPLY WITH CURRENT EDITION OF THE CA MUTCD, PART 6

*SIGN SPACING:

SEE CHART "6C-1"

CONE SPACING

SEE SHEET 19-27

WORK HOURS

9:00AM TO 3:30PM (MON-FRI)

MAINTAIN 2-WAY TRAFFIC AT ALL TIMES (ONE LANE EACH DIRECTION)

MAINTAIN ACCESS TO ALL DRIVEWAYS UNLESS OTHER ARRANGEMENTS HAVE BEEN MADE WITH PROPERTY OWNER.

MAINTAIN PEDESTRIAN, D/W AND DISABLED ACCESS AT ALL TIMES!

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* LENGTH MAY BE REDUCED BY THE ENGINEER TO ADDRESS SITE CONDITIONS.

Rev	Date	Description	Designed	Drawn	Checked
-	09/23/20	SUBMITTAL	JAH	FAV	JAH

VERO Fiber Networks

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JULIA A. HARBERSON
No. 76626
CIVIL
STATE OF CALIFORNIA

Sheet	C-707
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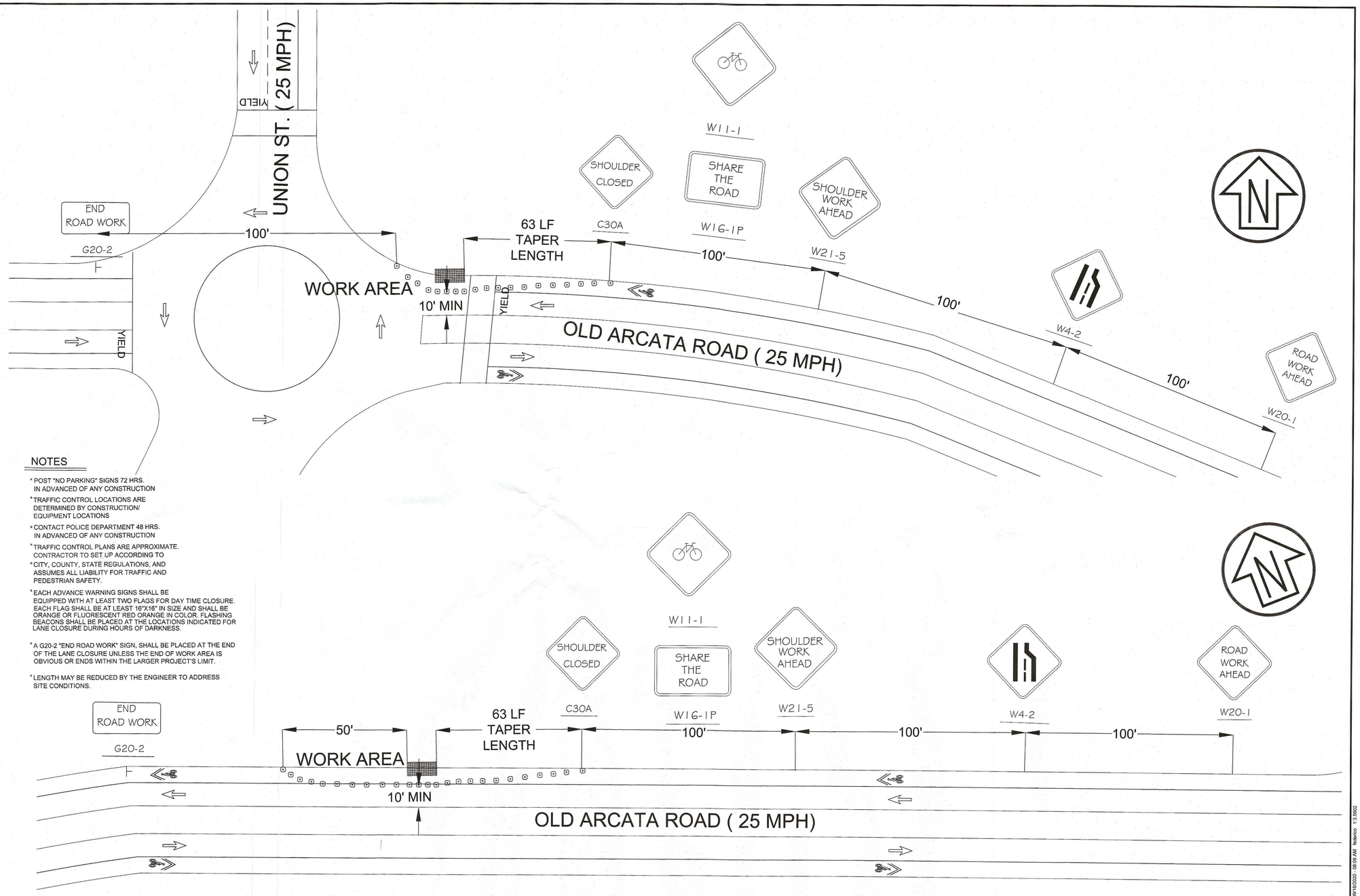

REQUIREMENTS/STANDARDS

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LANE CLOSURE

COMPLY WITH CURRENT EDITION OF THE CA MUTCD, PART 6

*SIGN SPACING:

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CONE SPACING

SEE SHEET 19-27

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VERO Fiber Networks

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TRAFFIC CONTROL PLAN

VERO FIBER NETWORKS

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JULIA A. HARBERSON
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CIVIL
STATE OF CALIFORNIA

Sheet
C-708

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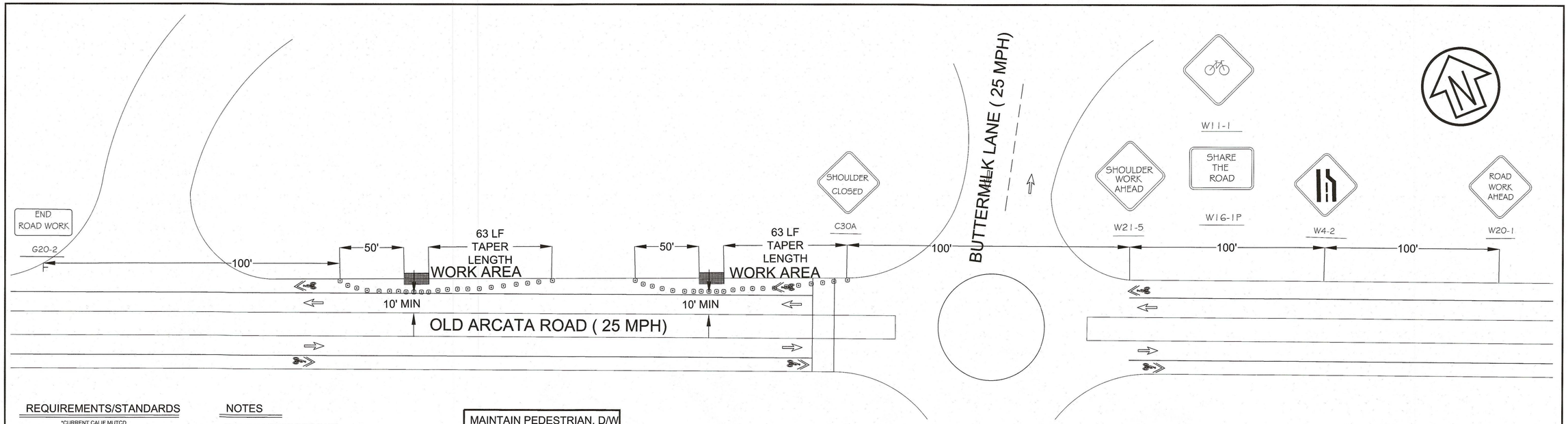

REQUIREMENTS/STANDARDS

*CURRENT CALIF MUTCD

LANE CLOSURE

COMPLY WITH CURRENT EDITION OF THE CA MUTCD, PART 6

*SIGN SPACING:

SEE CHART "6C-1"

CONE SPACING

SEE SHEET 19-27

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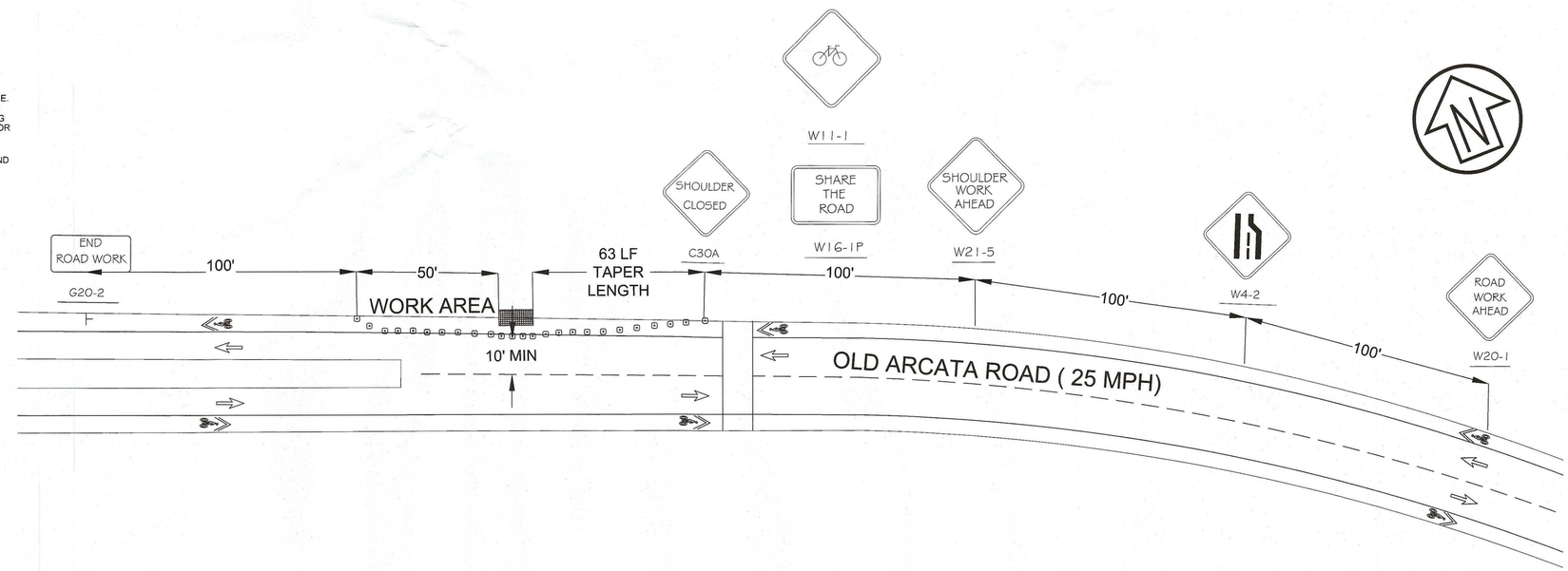

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ARCATA/EUREKA FIBER PROJECT

TRAFFIC CONTROL PLAN

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Prepared Under the Direction of:

REGISTERED PROFESSIONAL ENGINEER
JULIA A. HARBERSON
No. 76626
CIVIL
STATE OF CALIFORNIA

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Date:	09/23/20
Project Number:	1910140
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REQUIREMENTS/STANDARDS

*CURRENT CALIF MUTCD

LANE CLOSURE

COMPLY WITH CURRENT EDITION OF THE CA MUTCD, PART 6

*SIGN SPACING:

SEE CHART "6C-1"

CONE SPACING

SEE SHEET 19-27

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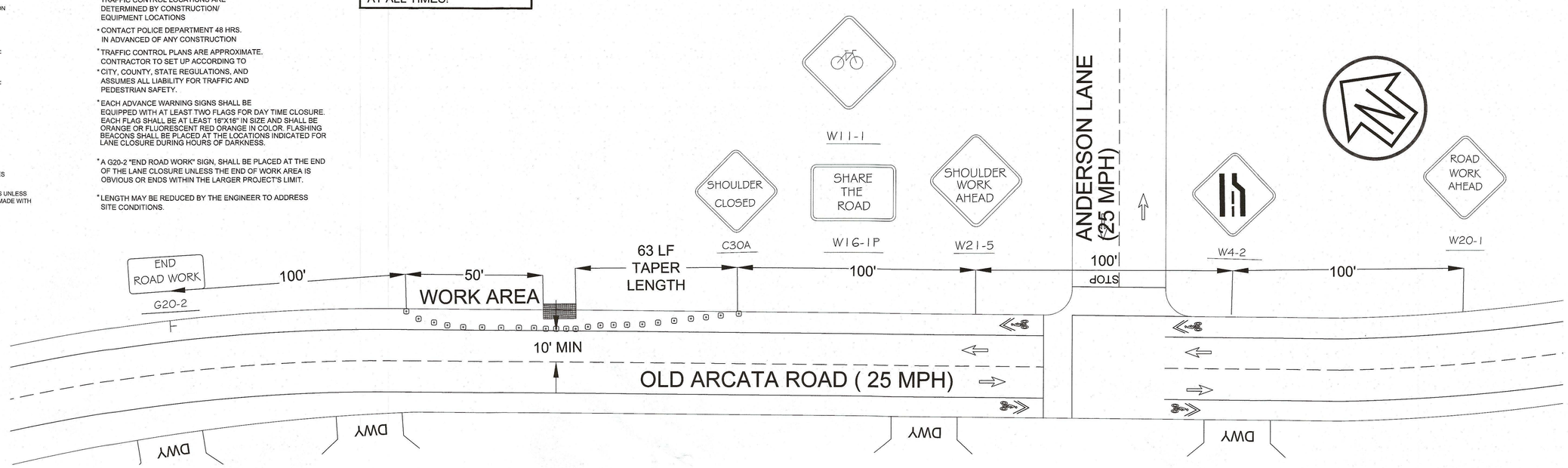

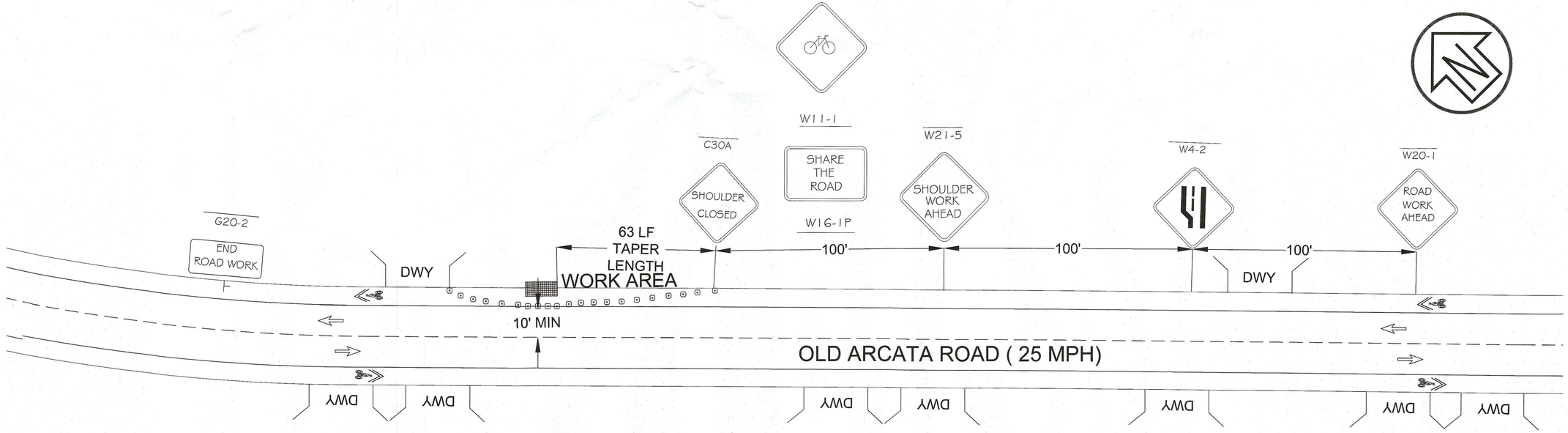

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ARCATA/EUREKA FIBER PROJECT

TRAFFIC CONTROL PLAN

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Prepared Under the Direction of:

REGISTERED PROFESSIONAL ENGINEER JULIA A. HARBERSON No. 76626 CIVIL STATE OF CALIFORNIA

Sheet C-710

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REQUIREMENTS/STANDARDS

*CURRENT CALIF MUTCD

LANE CLOSURE

COMPLY WITH CURRENT EDITION OF THE CA MUTCD, PART 6

*SIGN SPACING:

SEE CHART "6C-1"

CONE SPACING

SEE SHEET 19-27

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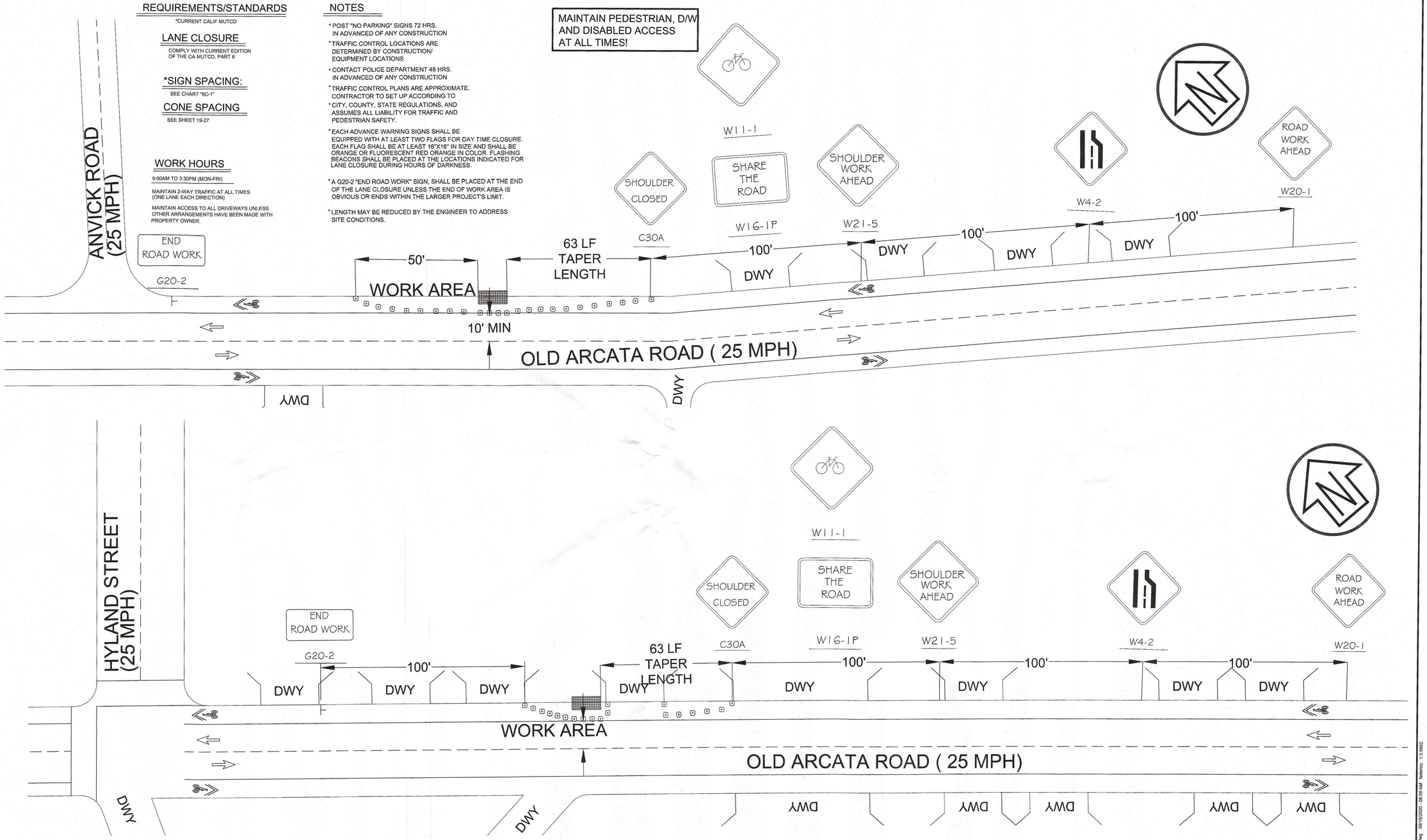

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ARCATA/EUREKA FIBER PROJECT

TRAFFIC CONTROL PLAN

VERO FIBER NETWORKS

Prepared Under the Direction of:

REGISTERED PROFESSIONAL ENGINEER JULIA A. HARBERSON No. 76626 CIVIL STATE OF CALIFORNIA

Sheet C-711

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Date:	09/23/20
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REQUIREMENTS/STANDARDS

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LANE CLOSURE

COMPLY WITH CURRENT EDITION OF THE CA MUTCD, PART 6

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CONE SPACING

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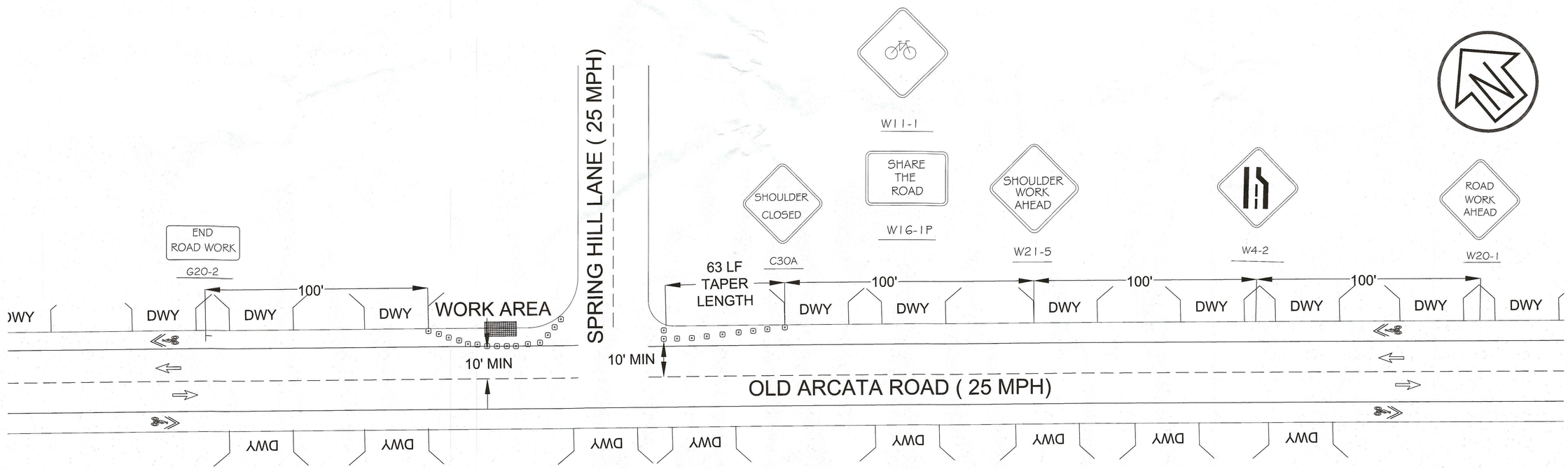

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TRAFFIC CONTROL PLAN

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C-712

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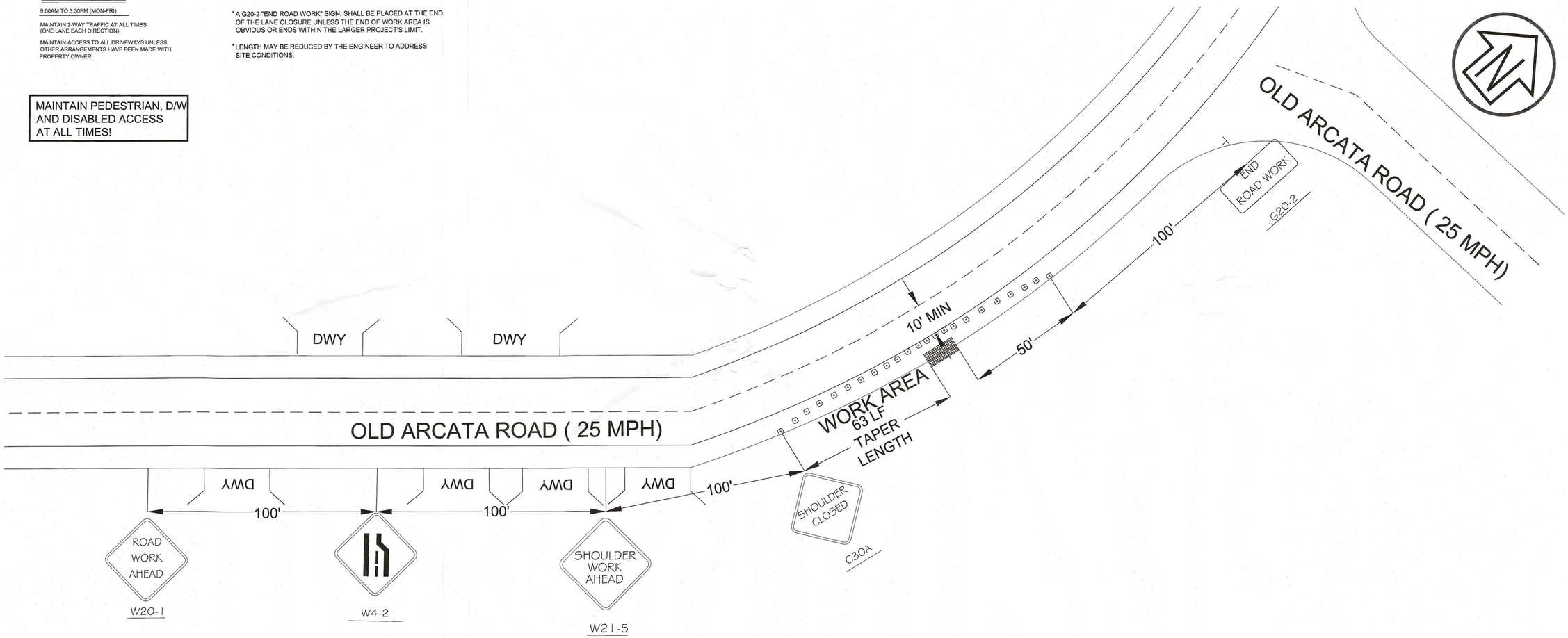

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