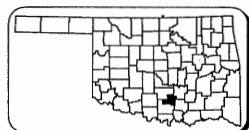


CONTROL SURVEY DATA

1. HORIZONTAL CONTROL:
 - A. HORIZONTAL CONTROL FOR THIS SURVEY IS THE USGS NAD 83 PLANE COORDINATE SYSTEM.
2. BEARINGS:

THE BEARINGS SHOWN HEREIN OR HEREON ARE GROUND BEARINGS DERIVED FROM THE USC & GS OKLAHOMA STATE PLANE COORDINATE SYSTEM AND ARE NOT ASTRONOMICAL.
3. VERTICAL CONTROLS:
 - A. LEVEL DATUM IS MEAN SEA LEVEL (USC & GS)
 - B. ACCURACY - THIRD ORDER OR BETTER



STATE OF OKLAHOMA
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED
PEDESTRIAN IMPROVEMENTS
STATE HIGHWAY 7/BROADWAY AVE.
MURRAY COUNTY

JP 32934(04)
PROJECT NO. HSI PG-250C(016)AD

REVISIONS		
REV. NO.	DESCRIPTION	DATE

SHEET INDEX

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	QUANTITY SHEET
3	SUMMARY SHEET
4-5	TYPICAL SECTIONS
6-11	SURVEY DATA SHEETS
12-15	REMOVAL SHEETS
16-23	PLAN AND PROFILE SHEETS
24-32	CROSS SECTIONS
33	HANDRAIL DETAIL SHEET
34	STORMWATER MANAGEMENT PLAN

DESIGN DATA	
ADT (2010)	= 707
ADT (2030)	= 750
DHV-2 WAY	= 88
K	= 12%
D	= 50%
V (18TH)	= 30 MPH
T (%ADT)	= 12
T3 (%ADT)	= 15
T (%DHV)	= 12
FLEX ESALS	= 0.345M

SCALES

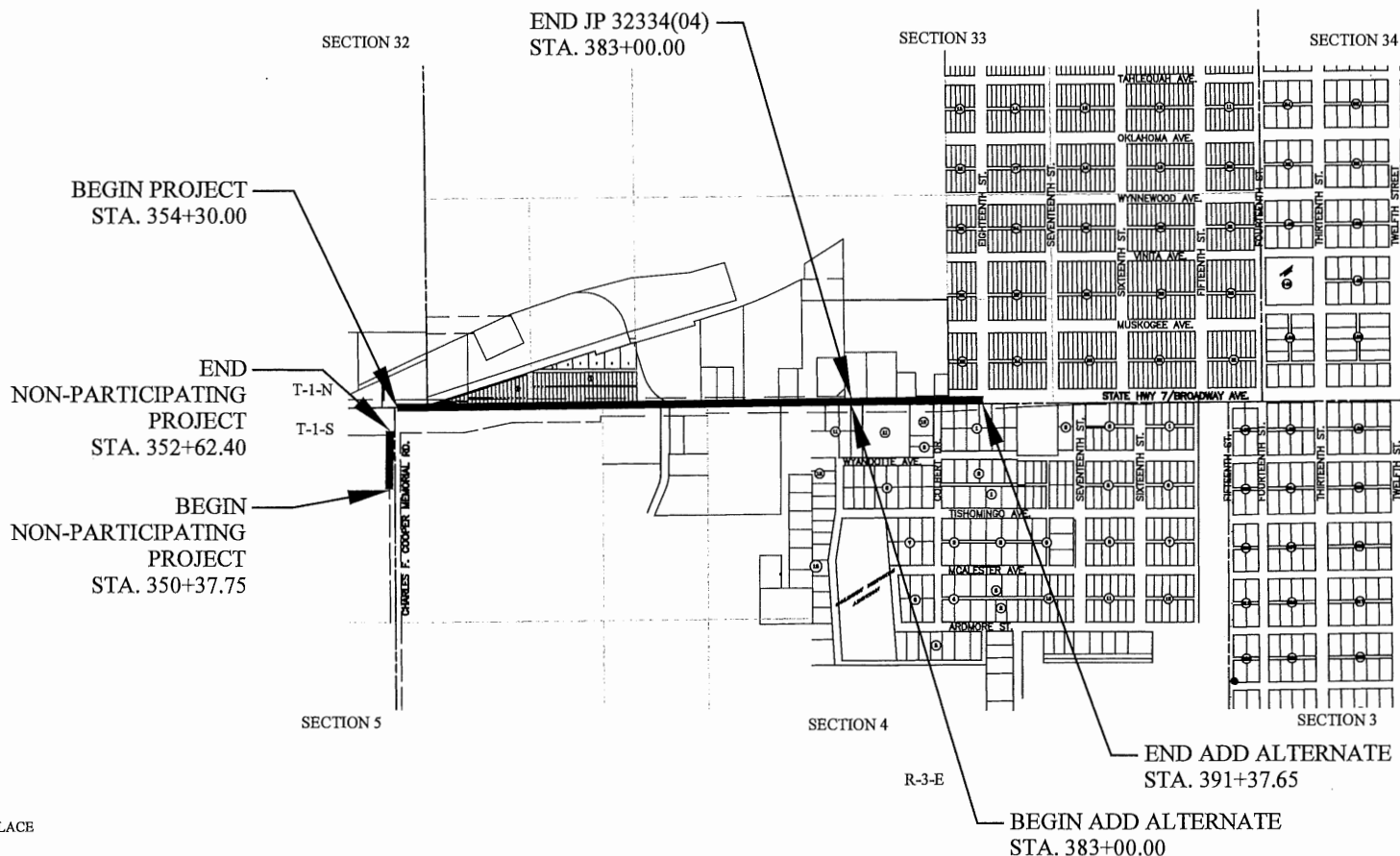
SEE INDIVIDUAL SHEETS

CONVENTIONAL SIGNS

- INTERSTATE HIGHWAY
- U.S. HIGHWAY
- STATE HIGHWAY

CONVENTIONAL SYMBOLS

- PROPOSED ROAD
- RAILROADS
- RANGE & TOWNSHIP SECTION LINES
- QUARTER SECTION LINES
- FENCES
- GROUND LINE
- EXISTING ROADS
- BASE LINE
- GRADE LINES
- TELEPHONE & TELEGRAPH
- POWER LINES
- BUILDINGS
- DRAINAGE STRUCTURES - IN PLACE
- DRAINAGE STRUCTURES - NEW
- RIGHT-OF-WAY LINES - EXISTING
- RIGHT-OF-WAY LINES - NEW
- RIGHT-OF-WAY MARKERS - IN PLACE
- RIGHT-OF-WAY MARKERS - REMOVE & REPLACE
- RIGHT-OF-WAY MARKERS - NEW
- CONTROLLED ACCESS
- RIGHT-OF-WAY FENCE



THE FOLLOWING STANDARD DRAWINGS OF OKLAHOMA DEPARTMENT OF TRANSPORTATION WILL BE REQUIRED FOR THIS PROJECT

- SSS-1-1 SOLID SLAB SODDING
- TSC2-3-2 TEMPORARY SEDIMENT CONTROLS
- ASCD-5-2 ASPHALT SURFACING CONSTRUCTION DETAILS
- CSCD-5-3 CONCRETE SURFACING CONSTRUCTION DETAILS
- LECS-4-1 JOINTS AND SEALERS - LONGITUDINAL, EXPANSION & CONTRACTION
- PR-3-0 PAVEMENT RECONSTRUCTION DETAILS
- PCPR-3-1 PORTLAND CEMENT CONCRETE PAVEMENT REPAIR
- WCR-3-1 WHEELCHAIR RAMPS
- TWD-1-0 TACTILE WARNING DEVICES
- TCS3-1-01 TEMPORARY TRAFFIC CONTROL ELEMENTS
- TCS5-1-00 TYPICAL SIGN INSTALLATION
- TCS6-1-02 CHANNELIZING DEVICES
- TCS7-1-02 ADVANCE WARNING SIGNS
- TCS9-1-01 CONSTRUCTION SIGNS
- TCS13-1-00 CONSTRUCTION SIGNS
- TCS19-1-01 CONSTRUCTION SIGNS

The City of
SULPHUR

2009 OKLAHOMA STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION - ENGLISH GOVERN, APPROVED BY THE U.S. DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION, APRIL 20, 2009.

SIDEWALK LENGTH ----- 2870.00 FT ----- 0.54 MILES
(ADD ALTERNATE) SIDEWALK LENGTH...837.65 FT...0.16 MILES
(NP) SIDEWALK LENGTH ----- 224.65 FT ----- 0.04 MILES
BRIDGE LENGTH ----- NONE
PROJECT LENGTH ----- 0.74 MILES
EQUATIONS: NONE EXCEPTIONS: NONE



ONE CALL UTILITY LOCATION NUMBER
840-5032
1-800-522-6543

THIS NUMBER IS TO BE USED FOR INFORMATION ON THE LOCATION OF ALL UNDERGROUND UTILITIES. CONTACT THIS NUMBER AND OTHER NUMBERS SPECIFIED IN THIS PLAN PRIOR TO ANY EXCAVATION.

		PREPARED BY: WILLIAM T. MYERS, P.E. DATE 8-7-17
OKLAHOMA DEPARTMENT OF TRANSPORTATION		DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION
DATE APPROVED _____ BY _____	DATE APPROVED _____ BY _____	CHIEF ENGINEER DIVISION ADMINISTRATOR
STATE JOB # 32934(04)		PROJECT NO. HSI PG-250C(016)AD SHEET NO. 1

GENERAL CONSTRUCTION NOTES

THE CONTRACTOR SHALL CALL THE SULPHUR CITY HALL AT 1-580-622-5096 TO VERIFY LOCATIONS OF WATER, SANITARY SEWER, AND UNDERGROUND ELECTRIC UTILITIES PRIOR TO ANY EXCAVATION. THE CONTRACTOR IS RESPONSIBLE FOR THE PROPER LOCATION, PROTECTION, AND RESTORATION OF ALL BURIED LINES AND CABLES. CONTRACTOR SHALL BE RESPONSIBLE FOR COST TO REPAIR ALL DAMAGED UTILITIES.

THE CONTRACTOR SHALL VERIFY ALL CONCRETE CHANNELS, FLUMES, STREETS, BOXES, INLETS AND STRUCTURE GRADES PRIOR TO POURING AND SHALL BE SOLELY RESPONSIBLE FOR THE PROPER DRAINAGE OF THE COMPLETED SECTION ON ANY PORTION OF THIS PROJECT.

CURB RAMPS AND SIDEWALK SHALL COMPLY WITH PROWAG WHICH INCLUDES TACTILE WARNINGS.

THE CONTRACTOR SHALL NOTIFY THE CITY 14 CALENDAR DAYS BEFORE COMMENCING WORK.

ALL WORK AND/OR MATERIALS NOT CLASSIFIED AS A "CONTRACT PAY ITEM" SHALL BE CONSIDERED INCIDENTAL AND THE COST THEREOF SHALL BE INCLUDED IN THE UNIT PRICE FOR OTHER DESIGNATED PAY ITEMS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING ALL ENVIRONMENTAL PROTECTION AGENCY (EPA) REQUIREMENTS FOR STORM WATER MANAGEMENT FOR THIS PROJECT. ALL COST TO BE INCLUDED IN OTHER ITEMS OF WORK.

CONTRACTOR SHALL MAKE AN EFFORT TO MAKE CONCRETE POURS AT TIMES OF DAY (MORNINGS PREFERRED) WHEN FINISHED WORK WILL BE REASONABLY PROTECTED FROM VANDALISM AND ACCIDENTAL DISFIGUREMENT. IF NECESSARY, ROPE OFF, FLAG OFF OR USE OTHER ADEQUATE MEANS TO PROTECT RECENT POURS.

THE CONTRACTOR SHALL SCHEDULE OPERATIONS TO MINIMIZE POTENTIAL DROP OFF HAZARDS. SUBMIT A SEQUENCE OF CONSTRUCTION OPERATIONS TO ODOT PRIOR TO BEGINNING WORK.

THE CONTRACTOR SHALL TAKE CARE TO MINIMIZE DUST DURING CONSTRUCTION.

THE CONTRACTOR SHALL MAINTAIN SAFE, ADA COMPLIANT PEDESTRIAN ACCESS TO BUILDINGS AT ALL TIMES AND ADEQUATE TRAFFIC CONTROL FOR STATE HIGHWAY 7 AND ADJOINING STREETS.

PRIOR TO FINAL ACCEPTANCE, ALL EXPOSED SURFACES SHALL BE THOROUGHLY CLEANED OF ALL STAINS, MARKS OR OTHER DISFIGUREMENT.

THE CONTRACTOR SHALL SUBMIT TRAFFIC CONTROL PLANS AND CONSTRUCTION SEQUENCING PLANS FOR APPROVAL BY THE ENGINEER.

ALL EXISTING SIGNS SHALL BE REPLACED AND OR RELOCATED TO MATCH EXISTING CONDITIONS AND REMOVED FROM THE ACCESSIBLE PATH.

THE CONTRACTOR SHALL DEMOLISH NO MORE THAN ONE BLOCK ON ONE SIDE OF THE STREET AT A TIME UNLESS PRIOR APPROVAL IS MADE BY THE ENGINEER. ONCE THE SIDEWALKS HAVE BEEN REPLACED IN THE DEMOLISHED AREA AND ARE ACCEPTABLE TO THE ENGINEER, THE CONTRACTOR MAY START DEMOLITION ON THE SECOND HALF OF THE BLOCK. THIS PROCESS WILL BE REPEATED UNTIL THE PROJECT IS COMPLETE. THE CONTRACTOR SHALL ENDEAVOR TO MINIMIZE INCONVENIENCE TO MERCHANTS AND BUSINESS OWNERS.

THE CONTRACTOR TO ENSURE THAT DEMOLITION AND CONSTRUCTION ACTIVITIES DO NOT DAMAGE EXISTING STORM SEWER STRUCTURES AND CURB INLETS. ANY DAMAGE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

ALL PROPOSED CURB AND GUTTER SHALL MATCH EXISTING GRADE AT THE GUTTER PAN INTERSECTION WITH THE ROADWAY.

GENERAL A.D.A. NOTES:

ALL FEATURES OF THIS PROJECT INCLUDING, BUT NOT LIMITED TO, PATHS, SIDEWALKS, CURB RAMPS, AND CROSSWALK MARKINGS WILL COMPLY WITH EQUIVALENT FACILITATION, PROWAG, JULY 26, 2011. WHERE SPECIAL LIMITATIONS OF EXISTING FEATURES WITHIN THE LIMITS OF THE PROJECT PREVENT FULL COMPLIANCE WITH THIS ACT, THE CONTRACTOR WILL IMMEDIATELY NOTIFY THE ENGINEER UPON DISCOVERY OF SUCH FEATURES. THE CONTRACTOR WILL NOT PROCEED WITH ANY OF THE WORK WHICH IS NOT IN FULL COMPLIANCE WITH PROWAG. WITHOUT PRIOR WRITTEN APPROVAL FROM THE ENGINEER. ANY WORK WHICH IS NOT PERFORMED WITHIN THE GUIDELINES OF THE PROWAG FOR WHICH THE CONTRACTOR DOES NOT HAVE WRITTEN APPROVAL WILL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.

THE CROSS SLOPE FOR PATHS, SIDEWALKS, AND RAMPS WITHIN THE LIMITS OF AN ACCESSIBLE ROUTE WILL NOT EXCEED 1:50 OR 2%.

RAMP SLOPES WILL NOT EXCEED 1:12 OR 8.33%.

GRADES ALONG PATH AND SIDEWALK, EXCLUDING RAMPS AND CROSSWALKS, WILL MATCH ROAD GRADE.

THE CONTINUOUS PATH'S CROSS SLOPE WILL NOT EXCEED 2% THROUGH DRIVEWAYS. SEE DRIVEWAY DETAIL ON O.D.O.T. STANDARD DRAWING WCR-3 AND SPECIAL DRIVEWAY DETAILS.

SIDEWALK AND RAMP LOCATIONS HAVE BEEN DEPICTED WITHOUT KNOWLEDGE OF ULTIMATE UTILITY STRUCTURES LOCATIONS. LOCATIONS WILL BE ADJUSTED TO AVOID ABOVE GRADE UTILITY STRUCTURES SUCH AS UTILITY POLES, RISERS, GUY ANCHORS, AND OTHER ABOVE GRADE APPURTENANCES. NO SUCH STRUCTURES WILL BE ALLOWED WITHIN THE "PEDESTRIAN ACCESS ROUTE" AS DEFINED BY THE ABOVE A.D.A. DOCUMENTS.

UTILITY WARNING

THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE.

FROM THE INFORMATION AVAILABLE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY AND LOCATE ALL UNDERGROUND UTILITIES PRIOR TO COMMENCING WORK.

PAY QUANTITY NOTES:

(1) PRICE BID TO INCLUDE COST OF WATERING AND (10-20-10) FERTILIZER. WATERING EST. AT 60 GALS. PER SQ. YD. FOR ESTIMATING PURPOSES ONLY. CONTRACTOR WILL PROVIDE SUFFICIENT WATER TO PRODUCE ADEQUATE GRASS GROWTH AS APPROVED BY THE ENGINEER.

(2) PRICE BID FOR THIS ITEM TO INCLUDE COST OF CONSTRUCTION OF WHEELCHAIR RAMPS WHERE INDICATED ON THE PLANS AND AS SHOWN ON ODOT STANDARD WCR-2-04E. EACH WHEELCHAIR RAMP MUST INCLUDE A TACTILE WARNING SYSTEM SELECTED FROM ONE OF THE FOLLOWING TWO TYPES:

(1) ADA COMPLIANT TACTILE WARNINGS - PRE-FORMED MODULAR CONCRETE COMPRESSIVE STRENGTH WHEN TESTED BY ASTM-D 695-91 SHALL BE 10,000 PSI MINIMUM.

(2) ADA COMPLIANT TACTILE WARNINGS - SURFACE APPLIED MATS TENSILE STRENGTH OF MAT WHEN TESTED BY ASTM-D412 SHALL BE 1,100 PSI MINIMUM.

ALL TACTILE WARNING SYSTEMS SHALL BE SLIP RESISTANCE, AND HAVE A COMBINED WET/DRY FRICTION COEFFICIENT OF 0.70 ON TOP OF DOMES AND REMAINING AREAS WHEN TESTED BY ASTM-C1028.

ALL TACTILE WARNING SYSTEMS SHALL HAVE A COLOR OF MATERIAL THAT WILL PROVIDE A MINIMUM OF 70% CONTRAST WITH SURROUNDING SURFACES (LIGHT ON DARK OR DARK ON LIGHT) AS DETERMINED BY: CONTRAST=[(B1-B2)/B1]X100

WHERE B1=LIGHT REFLECTANCE VALUE (LRV) OF THE LIGHTER AREA AND B2=LIGHT REFLECTANCE VALUE OF THE DARKER AREA.

TACTILE WARNING SYSTEMS THAT ARE STAMPED INTO THE SIDEWALK OR RAMP SURFACE WHEN WET WILL NOT BE ALLOWED. TACTILE WARNING SYSTEMS CONSISTING OF INDIVIDUAL ADHESIVE-BACKED TRUNCATED DOMES WILL NOT BE ACCEPTED. THE COST OF THE TACTILE WARNING SYSTEM SHALL BE INCLUDED IN PRICE BID FOR SIDEWALK.

JOINTS IN CONCRETE SIDEWALK SHALL BE HAND TOOLED. MATCH EXISTING JOINT SPACING.

(3) THE CONTRACTOR SHALL COORDINATE ALL TRAFFIC CONTROL ACTIVITIES WITH THE DEPARTMENT OF TRANSPORTATION DIVISION 7 OFFICE. A TRAFFIC CONTROL PLAN SHALL BE SUBMITTED TO THE DIVISION 7 ENGINEER 14 DAYS PRIOR TO BEGINNING CONSTRUCTION.

(4) PAY ITEM INCLUDES TREES, ABANDONED METERS, PLANTERS, AND OTHER ITEMS DEEMED NECESSARY BY RESIDENT ENGINEER.

(5) THE COST OF SAND CUSHION TO BE INCLUDED IN THE COST OF THE SIDEWALK.

(6) THE COST OF ALL MATERIAL AND LABOR FOR THE SIDEWALK FLUME CROSSINGS SHALL BE INCLUDED IN THE COST OF THE SIDEWALK.

(7) THE COST OF ALL EMBANKMENT SHALL BE INCLUDED IN THE COST OF THE SIDEWALK.

(8) THE COST OF WEEP HOLES AND WATER STOPS SHALL BE INCLUDED IN THE COST OF THE RETAINING WALL.

(H-6) ESTIMATED AT 200 POUNDS OF 10-20-10 FERTILIZER PER 1000 SQ. YDS. OF SODDING AND SPRIGGING. SOLID SLAB SOD SEASONAL LIMITATIONS SHALL BE FROM MARCH 1ST TO AUGUST 31ST.

(F-37) MATERIALS REMOVED SHALL NOT BE MEASURED FOR PAYMENT UNDER SECTION 202.06 "UNCLASSIFIED EXCAVATION".

(F-43) TO BECOME THE PROPERTY OF AND DISPOSED OF BY THE CONTRACTOR IN A MANNER APPROVED BY THE ENGINEER.

GENERAL RAILING CONSTRUCTION NOTES

ALL RAILS WHEN PROPERLY INSTALLED SHALL MEET OR EXCEED OSHA REQUIREMENTS.

ALL RAIL IS TO BE WELDED CONSTRUCTION.

ALL RAIL, POST AND COMPONENTS ARE TO BE CARBON STEEL.

ALL FASTENERS ARE TO BE CARBON STEEL.

ALL RAILING SURFACES SHALL RECEIVE TWO COATS OF OUTDOOR BLACK ENAMEL AS APPROVED BY THE CITY OF SULPHUR

ALL RAILS AND POSTS TO BE 1 1/2" OUTSIDE DIA SCHEDULE 20 STEEL PIPE.

MAXIMUM POST SPACING IS 5'-0" O.C.

ALL BENDS TO BE FIELD CUT, WELDED AND GROUND SMOOTH.

TRAFFIC CONTROL NOTES

(TC-25) CONSTRUCTION TRAFFIC CONTROL WILL BE INSTALLED IN A MANNER APPROVED BY THE ENGINEER, IN ACCORDANCE WITH CHAPTER VI OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION, AND APPLICABLE O.D.O.T. STANDARD DRAWINGS. THE CONTRACTOR SHALL PROVIDE A PROPOSED TRAFFIC CONTROL PLAN FOR APPROVAL BY THE ENGINEER PRIOR TO BEGINNING WORK. PRICE BID FOR THIS ITEM SHALL BE PAYMENT IN FULL FOR THE INSTALLATION, MAINTENANCE, AND SUBSEQUENT REMOVAL OF ALL NECESSARY CONSTRUCTION TRAFFIC CONTROL DEVICES AND PAVEMENT MARKINGS REQUIRED FOR COMPLETION OF THE PROJECT.

ALL SIGNS, BARRICADES, AND CHANNELIZING DEVICES WHICH ARE SHOWN WITH EITHER TYPE "A" OR TYPE "C" LIGHTS IN THE STANDARD DRAWINGS SHALL HAVE THE CORRESPONDING LIGHT ATTACHED DURING NON-DAYLIGHT HOURS.

ENVIRONMENTAL MITIGATION NOTES

AMERICAN BURYING BEETLE NOTE:

THE AMERICAN BURYING BEETLE IS A LARGE CARRION BURYING BEETLE THAT OCCURS WITHIN THE ACTION AREA. NO ARTIFICIAL LIGHTING SHALL BE USED DURING CONSTRUCTION. CARCASSES AND ALL FOOD TRASH SHALL BE REMOVED FROM THE PERMANENT AND TEMPORARY RIGHT-OF-WAY THROUGHOUT PROJECT ACTIVITIES. FOLLOWING CONSTRUCTION, TOPSOIL SHALL BE PLACED ON TOP OF ALL AREAS OF GROUND DISTURBANCE, PRIOR TO RE-VEGETATION.

MIGRATORY BIRD NOTE:

MIGRATORY BIRDS ARE PROTECTED BY THE FEDERAL MIGRATORY BIRD TREATY ACT. MANY BIRDS COMMONLY USE BRIDGES AND CULVERTS FOR NESTING. THE NESTING SEASON FOR MOST BIRD SPECIES EXTENDS FROM APRIL 1 TO AUGUST 31. NO SURVEY WAS DONE ON THIS PROJECT. THE RESIDENT ENGINEER SHALL CONTACT THE ODOT BIOLOGIST AT 405-521-2515 IF ANY BIRD USE OF THE EXISTING STRUCTURES IS OBSERVED. IF BIRDS ARE OBSERVED THEN PAINTING, REPAIR, RETROFIT, REHABILITATION OR DEMOLITION OF THE EXISTING BRIDGE/STRUCTURES SHALL BE CONDUCTED BETWEEN SEPTEMBER 1, AND MARCH 31, WHEN MIGRATORY BIRD NESTS ARE NOT OCCUPIED. THE BRIDGE MAY BE PROTECTED FROM NEW NEST ESTABLISHMENT PRIOR TO APRIL 1, BY MEANS THAT DO NOT RESULT IN BIRD DEATH OR INJURY. OPTIONS INCLUDE THE EXCLUSION OF ADULT BIRDS FROM SUITABLE NEST SITES ON OR WITHIN A STRUCTURE BY THE PLACEMENT OF WEATHER-RESISTANT POLYPROPYLENE NETTING WITH 0.25-INCH OR SMALLER OPENINGS, PRIOR TO APRIL 1. METHODS OTHER THAN NETTING MUST BE PRE-APPROVED BY THE ODOT BIOLOGIST.

REVISIONS		
REV. NO.	DESCRIPTION	DATE
1.	REMOVED H.E.S. DESIGNATION	09/07/17
2.	ADDED ENVIRONMENTAL MITIGATION NOTES	09/18/17

0100 ROADWAY PAY QUANTITIES

ITEM NO.	CODE NO.	DESCRIPTION	UNIT	QTY.
221 (C)	2801	TEMPORARY SILT FENCE	LF	3,050
230 (A)	2806	SOLID SLAB SODDING	(1)(H-6) SY	1,945
411 (D)	5975	SUPERPAVE, TYPE S5 (PG 64-22 OK)	TON	11
414 (A)	0210	P.C. CONCRETE PAVEMENT (PLACEMENT)	SY	158
414 (G)	5275	P.C. CONCRETE FOR PAVEMENT	CY	40
504 (C)	1430	STRIP SEAL TYPE EXPANSION JOINT	LF	2,091
504 (F)	6006	HANDRAILING	LF	437
510 (A)	6333	RETAINING WALL	(8) SY	90
609 (B)	0383	COMBINED CURB & GUTTER (6" BARRIER)	LF	481
610 (A)	0604	5" CONCRETE SIDEWALK	(2)(5)(6)(7) SY	1,360
610 (B)	0604	6" CONCRETE DRIVEWAY	SY	484
612 (A)	0641	MANHOLES ADJUST TO GRADE	EA	1
619 (A)	0920	REMOVAL OF STRUCTURES & OBSTRUCTIONS	(4) LSUM	1
619 (B)	4726	REMOVAL OF CURB AND GUTTER	(F-37)(F-43) LF	427
619 (B)	4728	REMOVAL OF ASPHALT PAVING	(F-37)(F-43) SY	263
619 (B)	4766	REMOVAL OF CONCRETE DRIVEWAY	(F-37)(F-43) SY	519
619 (C)	0924	SAWING PAVEMENT	LF	785

0101 ROADWAY PAY QUANTITIES-- ADD ALTERNATE SECTION

221 (C)	2801	TEMPORARY SILT FENCE	LF	436
221 (D)	2803	TEMPORARY SEDIMENT FILTER	EA	2
230 (A)	2806	SOLID SLAB SODDING	(1)(H-6) SY	236
411 (D)	5975	SUPERPAVE, TYPE S5 (PG 64-22 OK)	TON	17
414 (A)	0210	P.C. CONCRETE PAVEMENT (PLACEMENT)	SY	70
414 (G)	5275	P.C. CONCRETE FOR PAVEMENT	CY	18
504 (C)	1430	STRIP SEAL TYPE EXPANSION JOINT	LF	248
609 (B)	0383	COMBINED CURB & GUTTER (6" BARRIER)	LF	667
610 (A)	0604	5" CONCRETE SIDEWALK	(2)(5)(7) SY	191
610 (B)	0604	6" CONCRETE DRIVEWAY	SY	997
619 (A)	0920	REMOVAL OF STRUCTURES & OBSTRUCTIONS	(4) LSUM	1
619 (B)	4726	REMOVAL OF CURB AND GUTTER	(F-37)(F-43) LF	667
619 (B)	4728	REMOVAL OF ASPHALT PAVING	(F-37)(F-43) SY	333
619 (B)	4766	REMOVAL OF CONCRETE DRIVEWAY	(F-37)(F-43) SY	1095
619 (C)	0924	SAWING PAVEMENT	LF	1276

0300 TRAFFIC PAY QUANTITIES

ITEM NO.	CODE NO.	DESCRIPTION	UNIT	QTY.
805 (D)	8756	(PL) REMOVE & RESET EXISTING SIGNS	EA	4
880 (J)	8905	CONSTRUCTION TRAFFIC CONTROL	(3) LSUM	1

0600 STAKING PAY QUANTITIES

ITEM NO.	CODE NO.	DESCRIPTION	UNIT	QTY.
642 (B)	0096	CONSTRUCTION STAKING LEVEL II	LSUM	1

0640 CONSTRUCTION PAY QUANTITIES

ITEM NO.	CODE NO.	DESCRIPTION	UNIT	QTY.
220	2800	SWPPP DOCUMENTATION AND MANAGEMENT	LSUM	1
641	1399	MOBILIZATION	LSUM	1

0900 ROADWAY PAY QUANTITIES NON-PARTICIPATING

ITEM NO.	CODE NO.	DESCRIPTION	UNIT	QTY.
221 (C)	2801	TEMPORARY SILT FENCE	LF	270
230 (A)	2806	SOLID SLAB SODDING	(1)(H-6) SY	277
504 (C)	1430	STRIP SEAL TYPE EXPANSION JOINT	LF	16
504 (F)	6006	HANDRAILING	LF	8
510 (A)	6333	RETAINING WALL	(8) SY	2
609 (B)	0383	COMBINED CURB & GUTTER (6" BARRIER)	LF	67
610 (A)	0604	5" CONCRETE SIDEWALK	(2)(5)(7) SY	142



SULPHUR SIDEWALK IMPROVEMENTS QUANTITY SHEET			
Drawn	J ALEX	7/27/17	
Design	WTM	7/27/17	
Checked	WTM	7/27/17	
JOB NO. 210101			
STATE OF OKLAHOMA		DEPARTMENT OF TRANSPORTATION	
		DIVISION 7	SHEET NO. 2 OF 34

REVISIONS		
REV. NO.	DESCRIPTION	DATE

SUMMARY OF REMOVAL					
STATION TO STATION	LT	RT	REMOVAL OF CURB & GUTTER	REMOVAL OF ASPHALT PAVING	REMOVAL OF CONCRETE DRIVEWAY
			LF	SY	SY
354+30.00 TO 358+50.00		X			130
358+50.00 TO 364+00.00					
364+00.00 TO 369+50.00					
369+50.00 TO 375+00.00		X	179	114	138
375+00.00 TO 380+50.00		X	188	109	163
380+50.00 TO 383+00.00		X	60	40	88
383+00.00 TO 386+00.00		X	215	175	304
386+00.00 TO 391+37.65		X	452	158	791
TOTAL			1094	596	1614

SUMMARY OF ADJUST TO GRADE			
STATION	LT	RT	MANHOLE I/D
			EA
390+95.75		X	1
TOTAL			1

SUMMARY OF SAWING			
STATION TO STATION	LT	RT	LENGTH
			LF
354+30.00 TO 358+50.00		X	118
358+50.00 TO 364+00.00			
364+00.00 TO 369+50.00			
369+50.00 TO 375+00.00		X	278
375+00.00 TO 380+50.00		X	258
380+50.00 TO 383+00.00		X	131
383+00.00 TO 386+00.00		X	416
386+00.00 TO 391+37.65		X	860
TOTAL			2061

SUMMARY OF REMOVE AND RESET SIGNS			
STATION	LT	RT	SIGN
			EA
356+18.18		X	1
356+84.20		X	1
380+31.94		X	1
380+42.00		X	1
TOTAL			4

SUMMARY OF RETAINING WALL				
STATION TO STATION	LT	RT	LENGTH	4" THK. SAND
			LF	CY
354+30.00 TO 358+50.00		X	88	2
364+00.00 TO 369+50.00		X	316	8
TOTAL			404	10

SUMMARY OF PROPOSED DRIVES							
STATION	LT	RT	WIDTH	LENGTH	RADIUS	6" THK. CONCRETE DRIVEWAY	4" THK. SAND
			FT	FT	FT	SY	CY
355+21.00		X	32	20.0	20, 15	113	13
371+65.75		X	30	23.4	5, 10	81	9
372+64.30		X	16	20.0	15	48	5
376+50.50		X	23.6	27.4	25	82	9
380+04.50		X	23.5	23.4	15	71	8
380+78.30		X	30	23.2	15	89	10
383+79.20		X	29	16.5	15, 10	91	10
384+29.25		X	36	16.4	10	91	10
384+88.90		X	36	16.2	10, 15	91	10
385+84.50		X	30	14.3	15	57	6
387+04.00		X	28	23.1		164	18
387+63.29		X	35	23.3		164	18
388+90.00		X	36	23.9	10, 15	105	12
389+70.50		X	36	25.4	10, 15	113	13
390+24.60		X	15	14.0	15	35	4
390+97.00		X	47.75	14.0	15	86	10
TOTAL						1481	165

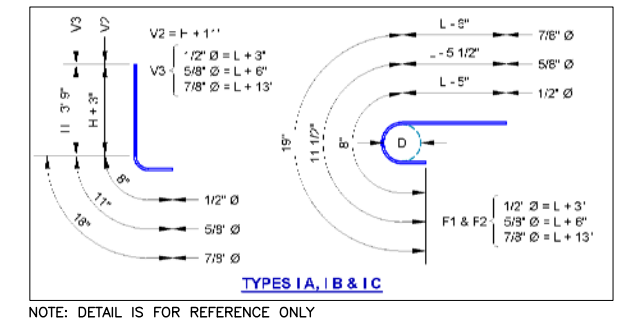
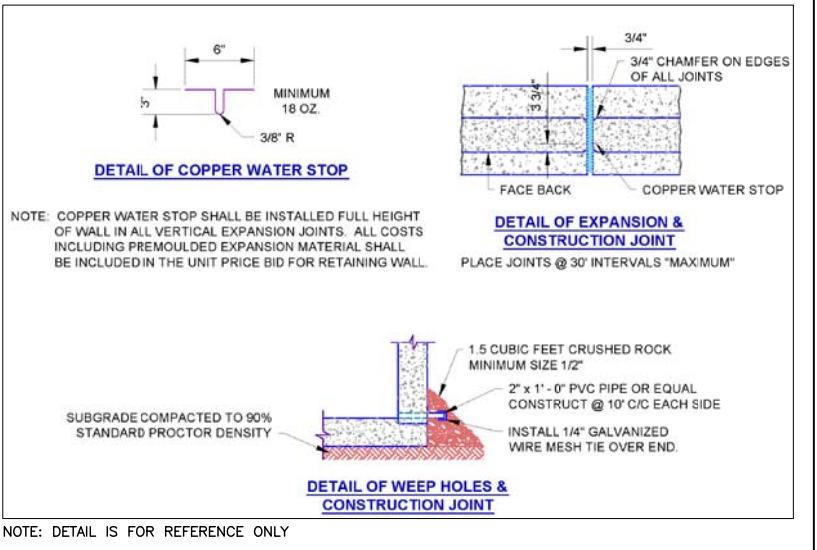
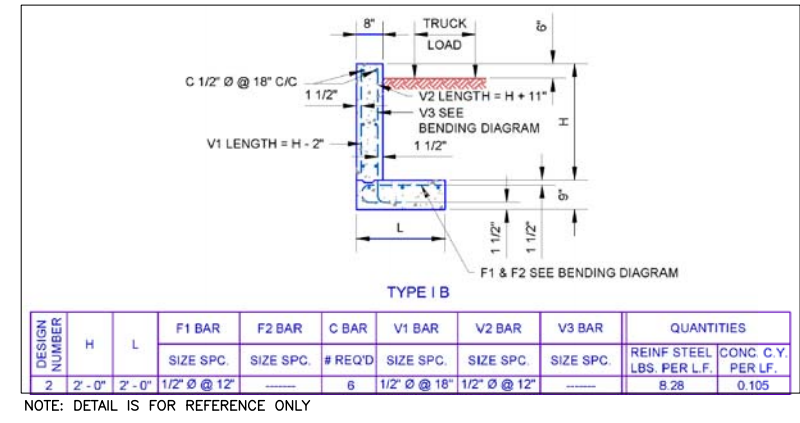
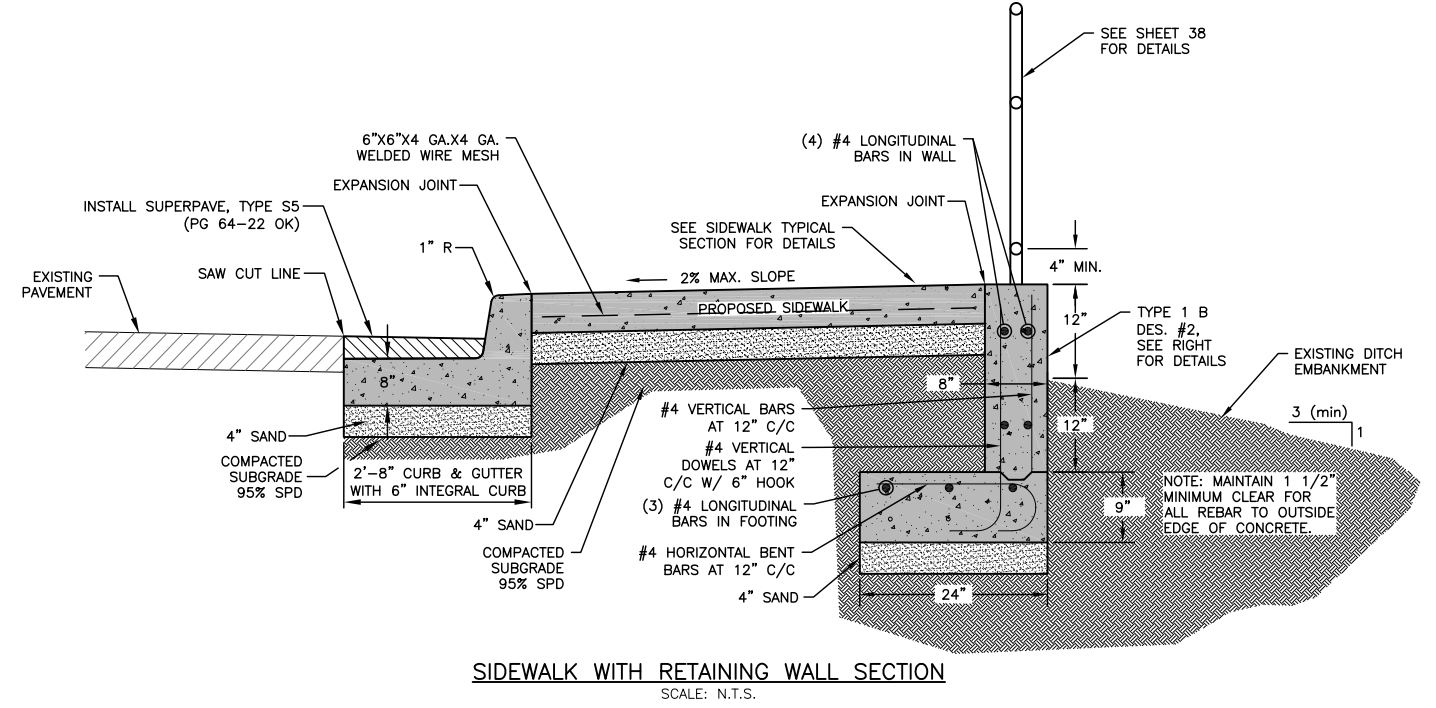
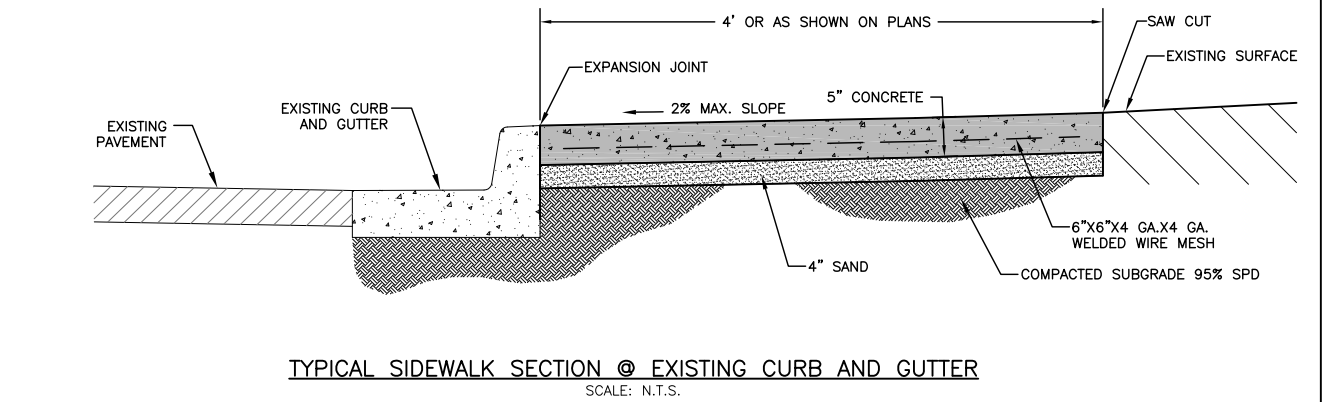
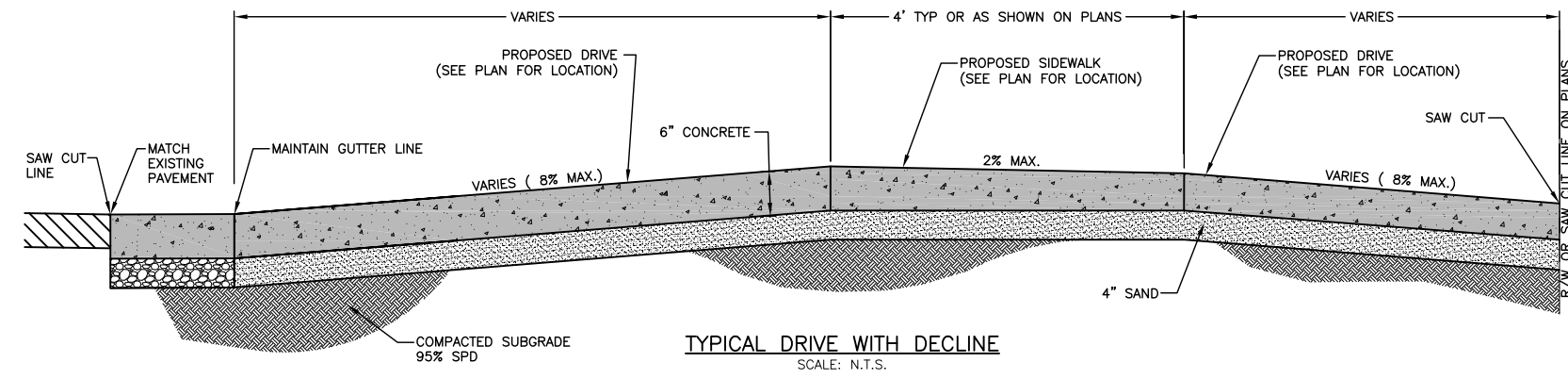
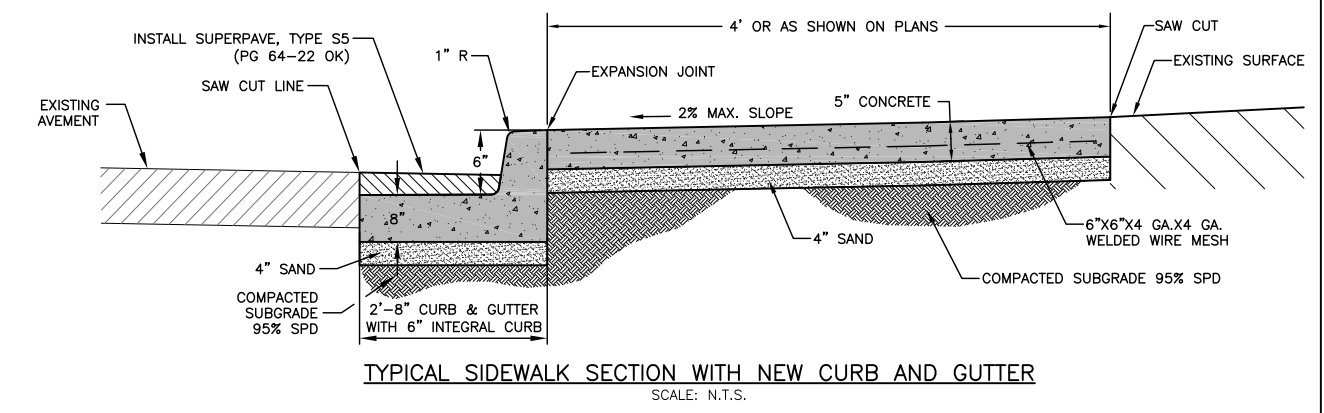
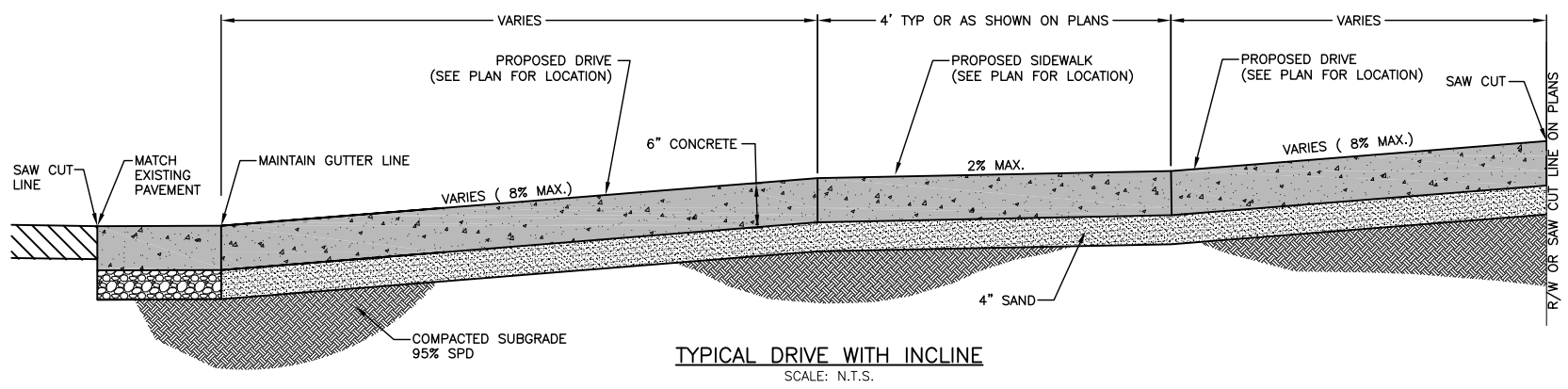
SUMMARY OF P.C. CONCRETE PAVEMENT							
STATION	LT	RT	WIDTH	LENGTH	RADIUS	9" THK. CONCRETE ROADWAY	4" THK. SAND
			FT	FT	FT	CY	CY
371+14.00		X	28	18.8	15	18	8
378+65.60		X	26.75	23.5	20	22	10
388+21.00		X	33.25	18.5	30	18	8
TOTAL						57	25

SUMMARY OF PROPOSED SIDEWALKS / CURB AND GUTTER				
STATION TO STATION	LT	RT	5" THK. SIDEWALK	4" THK. SAND
			SY	LF
354+30.00 TO 358+50.00		X	228	83
358+50.00 TO 364+00.00		X	308	34
364+00.00 TO 369+50.00		X	303	34
369+50.00 TO 375+00.00		X	206	152
375+00.00 TO 380+50.00		X	216	186
380+50.00 TO 383+00.00		X	99	60
383+00.00 TO 386+00.00		X	60	215
386+00.00 TO 391+37.65		X	131	452
TOTAL			1551	1148

SUMMARY OF ASPHALT PAVING			
STATION TO STATION	LT	RT	2" THK. S5 SUPERPAVE
			TON
354+30.00 TO 358+50.00			
358+50.00 TO 364+00.00			
364+00.00 TO 369+50.00			
369+50.00 TO 375+00.00		X	5
375+00.00 TO 380+50.00		X	4
380+50.00 TO 383+00.00		X	2
383+00.00 TO 386+00.00		X	7
386+00.00 TO 391+37.65		X	10
TOTAL			28

SULPHUR SIDEWALK IMPROVEMENTS SUMMARY SHEET			Drawn	J ALEX	7/27/17
CITY OF SULPHUR BROADWAY - CHARLES F. COOPER MEMORIAL ROAD TO 12TH STREET			Design	WTM	7/27/17
STATE OF OKLAHOMA			Checked	WTM	7/27/17
DEPARTMENT OF TRANSPORTATION			JOB NO. 210101		
DIVISION 7			SHEET NO. 3 OF 34		

REVISIONS		
REV. NO.	DESCRIPTION	DATE



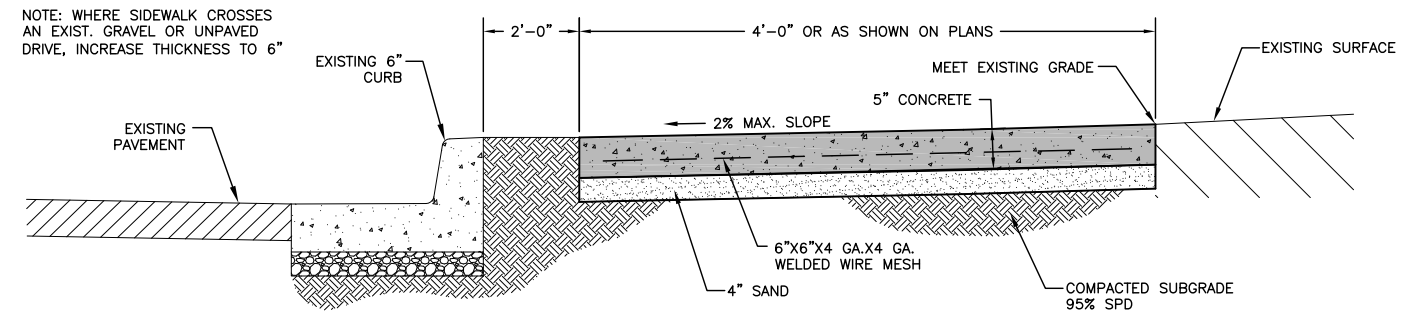
SULPHUR SIDEWALK IMPROVEMENTS
TYPICAL SIDEWALK SECTIONS
CITY OF SULPHUR
BROADWAY - CHARLES F. COOPER
MEMORIAL ROAD TO 18TH STREET

Drawn	J ALEX	7/27/17
Design	WTM	7/27/17
Checked	WTM	7/27/17
JOB NO. 210101		

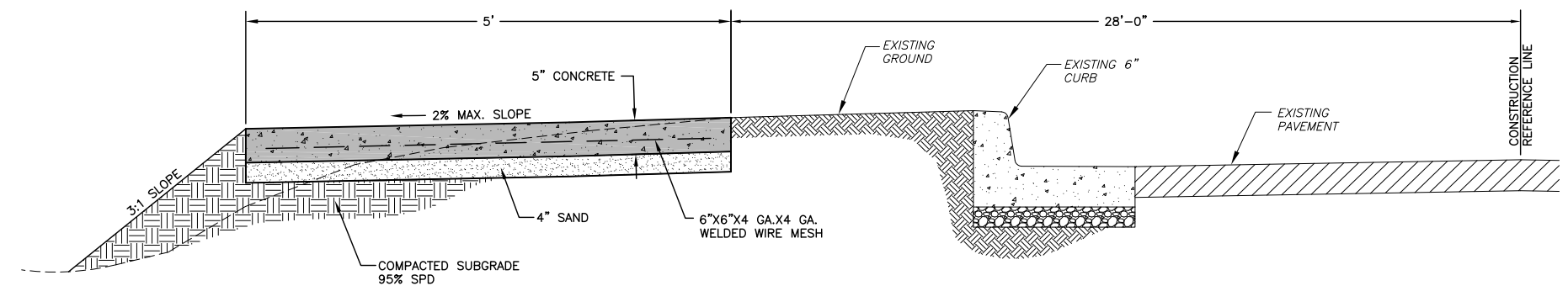
STATE OF OKLAHOMA | DEPARTMENT OF TRANSPORTATION | DIVISION 7 | SHEET NO. 4 OF 34

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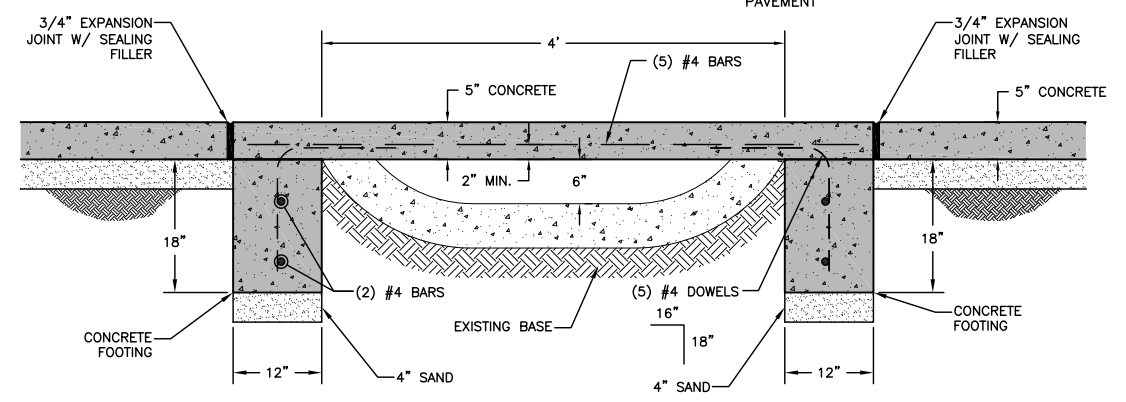
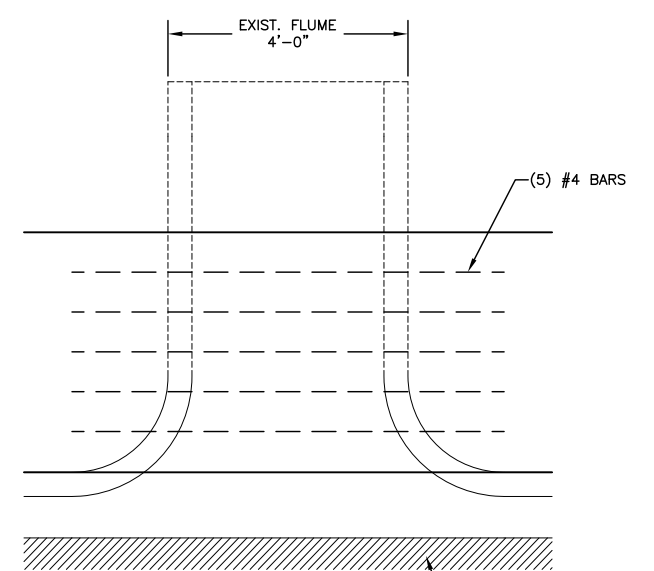
REVISIONS		
REV. NO.	DESCRIPTION	DATE



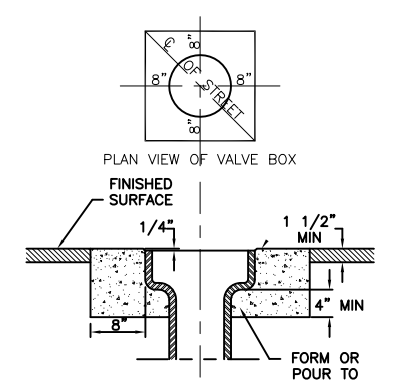
TYPICAL SIDEWALK SECTION
SCALE: 1"=1'



TYPICAL SIDEWALK SECTION - NON PARTICIPATING SECTION
SCALE: 1"=1'

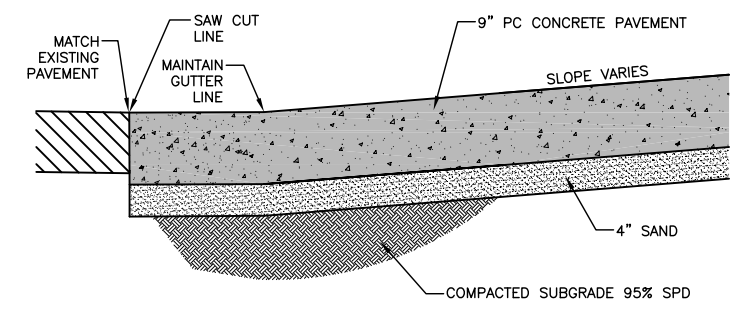


SIDEWALK CROSSING FLUME DETAIL
SCALE: N.T.S.

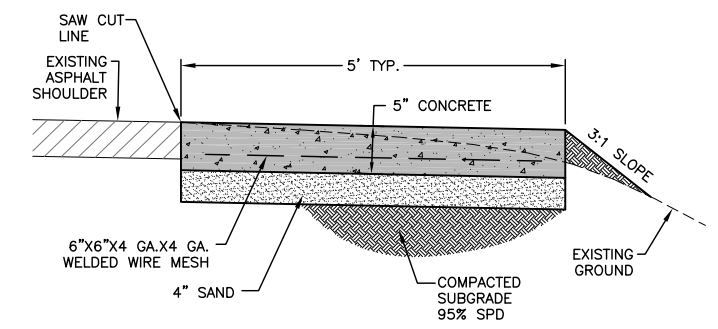


- NOTES:
1. THE VALVE BOX FRAME SHALL BE SET TO GRADE AND CONCRETE BASE POURED AHEAD OF RESURFACING OPERATIONS.
 2. CONCRETE BASE SHALL BE H.E.S. CONCRETE.
 3. THE WORK SHALL BE PROTECTED BY BARRICADES AND LIGHTS, ETC... AND SHALL NOT BE REMOVED FOR A PERIOD OF 72 HOURS AFTER THE POUR IS MADE.

ADJUSTMENT OF VALVE BOX TO GRADE



TYPICAL CONCRETE ROADWAY REPAIR
SCALE: N.T.S.

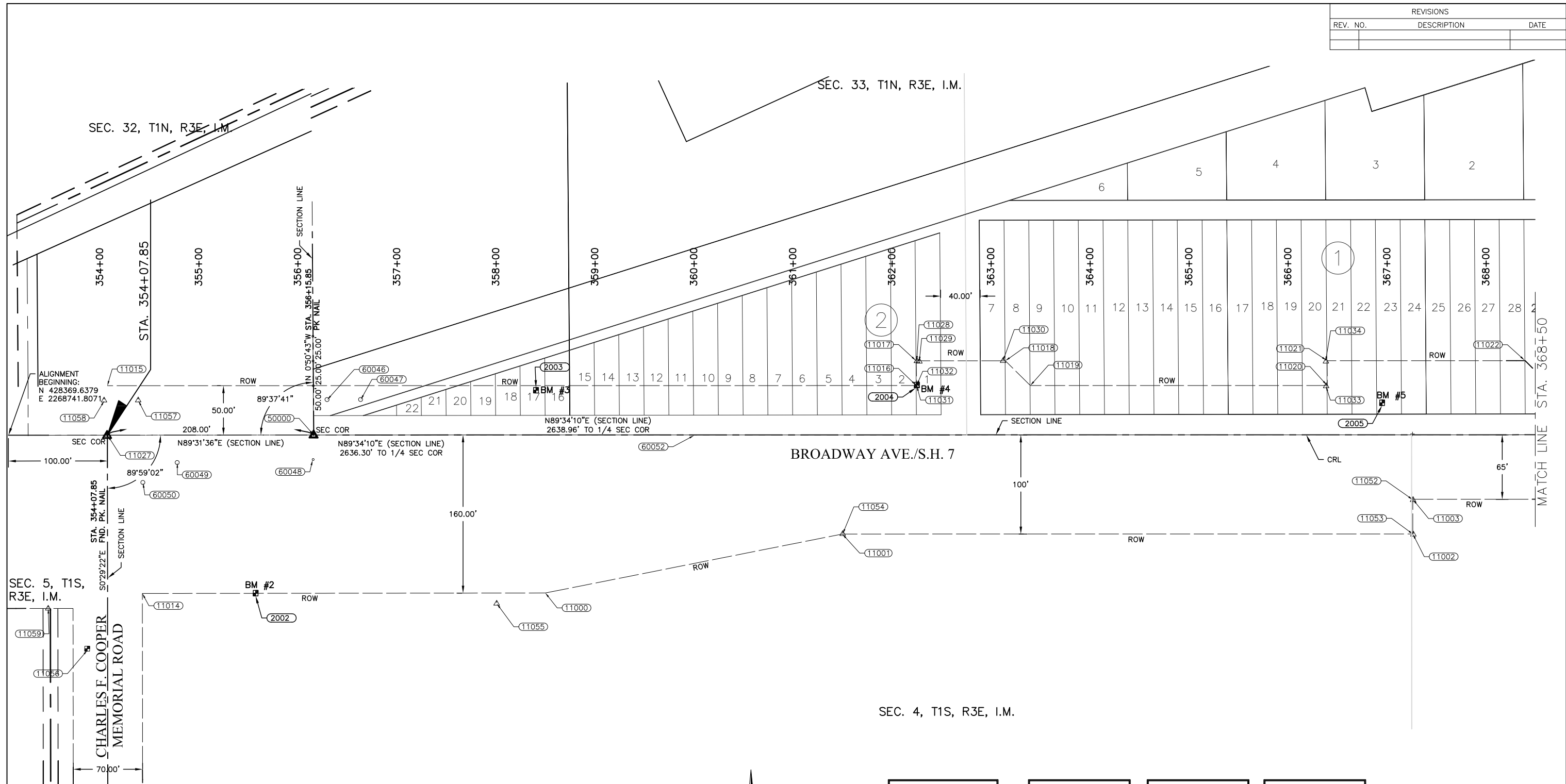


TYPICAL SIDEWALK SECTION
STA. 355+60.43 TO STA. 364+00.00
SCALE: N.T.S.

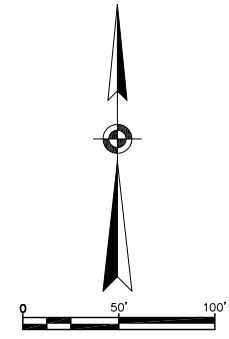
SULPHUR SIDEWALK IMPROVEMENTS TYPICAL SIDEWALK SECTIONS CITY OF SULPHUR BROADWAY - CHARLES F. COOPER MEMORIAL ROAD TO 18TH STREET		Drawn	J ALEX	7/27/17
		Design	WTM	7/27/17
		Checked	WTM	7/27/17
		JOB NO. 210101		
STATE OF OKLAHOMA	DEPARTMENT OF TRANSPORTATION		DIVISION 7	
			SHEET NO. 5 OF 34	

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REVISIONS		
REV. NO.	DESCRIPTION	DATE



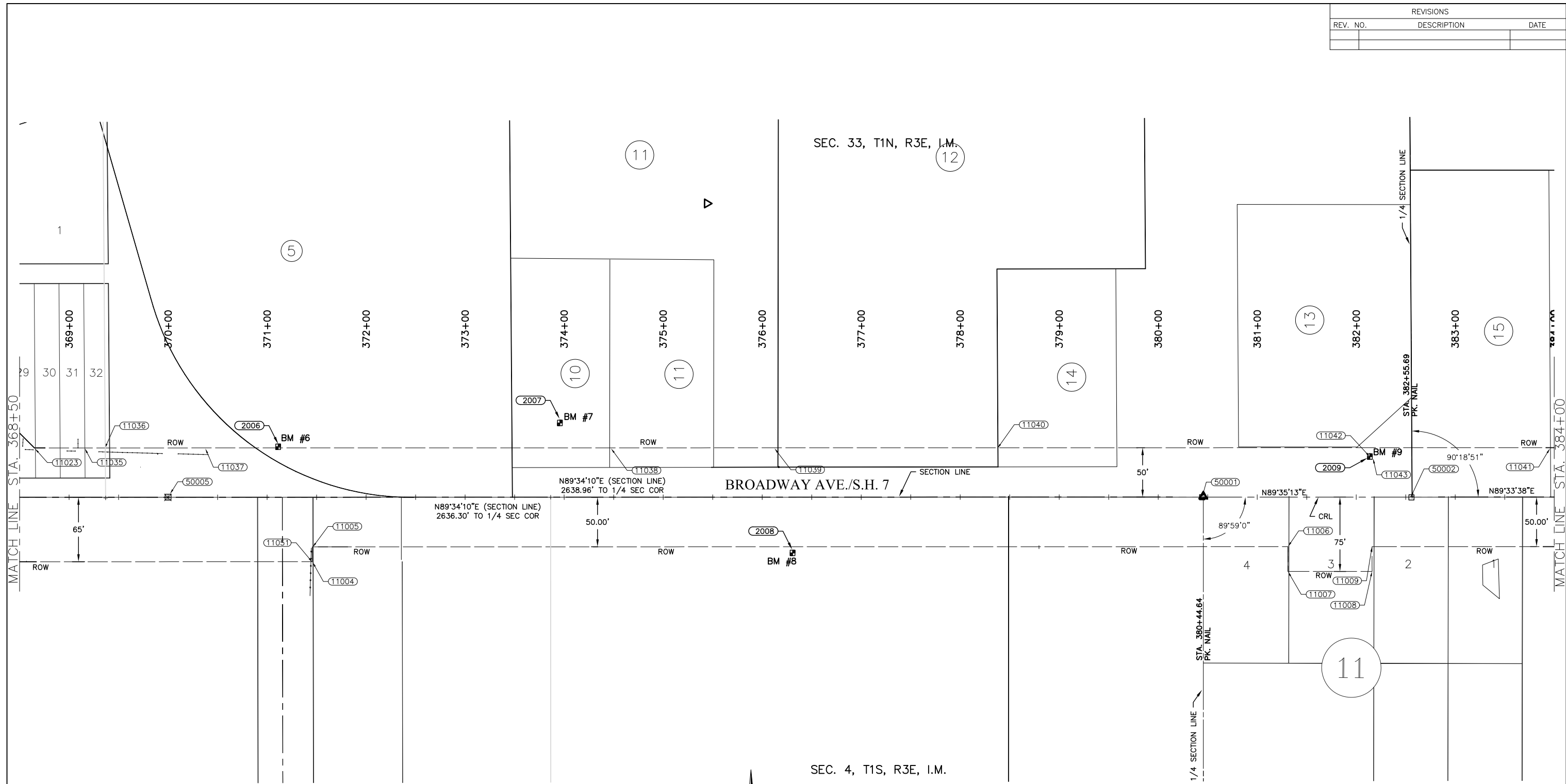
STA. 355+57.00 159.94' OFFSET RIGHT BENCH MARK NO. 2 IRON PIN (3/8") ELEV.= 971.785 N 428211.7653 E 2268992.2744	STA. 358+40.47 45.14' OFFSET LEFT BENCH MARK NO. 3 IRON PIN (3/8") ELEV.= 961.833 N 428419.0062 E 2269274.0698	STA. 362+25.20 50.05' OFFSET LEFT BENCH MARK NO. 4 IRON PIN (3/8") ELEV.= 954.169 N 428426.8104 E 2269658.7529	STA. 366+94.80 32.08' OFFSET LEFT BENCH MARK NO. 5 IRON PIN (3/8") ELEV.= 949.951 N 428412.3688 E 2270128.4794
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SULPHUR SIDEWALK IMPROVEMENTS SURVEY DATA SHEET STA. 354+07.85 TO 368+50		Drawn J ALEX 7/27/17 Design WTM 7/27/17 Checked WTM 7/27/17
CITY OF SULPHUR BROADWAY - CHARLES F. COOPER MEMORIAL ROAD TO 12TH STREET		JOB NO. 210101
STATE OF OKLAHOMA	DEPARTMENT OF TRANSPORTATION DIVISION 7	SHEET NO. 6 OF 34

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REVISIONS		
REV. NO.	DESCRIPTION	DATE



SEC. 4, T1S, R3E, I.M.

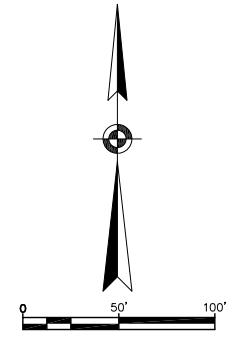
SEC. 33, T1N, R3E, I.M.

STA. 371+11.07
51.69' OFFSET LEFT
BENCH MARK NO. 6
IRON PIN (3/8")
ELEV.= 954.581
N 428435.1033
E 2270544.5885

STA. 373+95.40
74.79' OFFSET LEFT
BENCH MARK NO. 7
IRON PIN (3/8")
ELEV.= 963.844
N 428460.3399
E 2270828.7346

STA. 376+30.59
57.44' OFFSET RIGHT
BENCH MARK NO. 8
IRON PIN (3/8")
ELEV.= 963.226
N 428329.8858
E 2271064.9139

STA. 382+13.23
41.16' OFFSET LEFT
BENCH MARK NO. 9
IRON PIN (3/8")
ELEV.= 958.637
N 428432.8074
E 2271646.8078



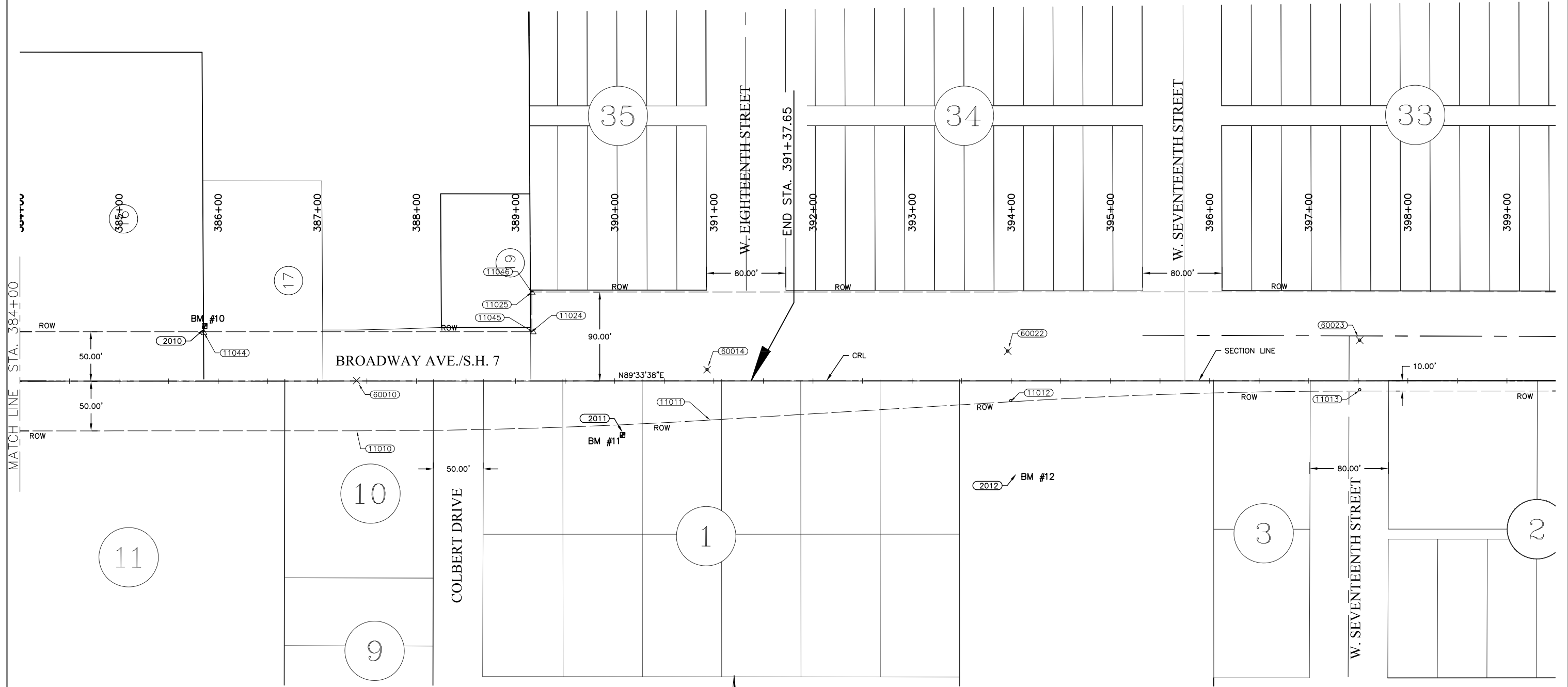
SULPHUR SIDEWALK IMPROVEMENTS SURVEY DATA SHEET STA. 368+50 TO 384+00		Drawn	J ALEX	7/27/17
CITY OF SULPHUR BROADWAY - CHARLES F. COOPER MEMORIAL ROAD TO 12TH STREET		Design	WTM	7/27/17
STATE OF OKLAHOMA		Checked	WTM	7/27/17
DEPARTMENT OF TRANSPORTATION DIVISION 7		JOB NO. 210101		
SHEET NO. 7 OF 34				

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REVISIONS		
REV. NO.	DESCRIPTION	DATE

SEC. 33, T1N, R3E, I.M.

SEC. 4, T1S, R3E, I.M.



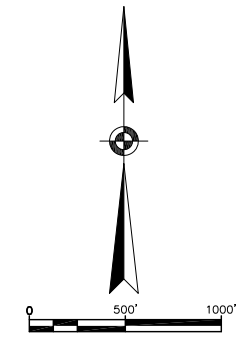
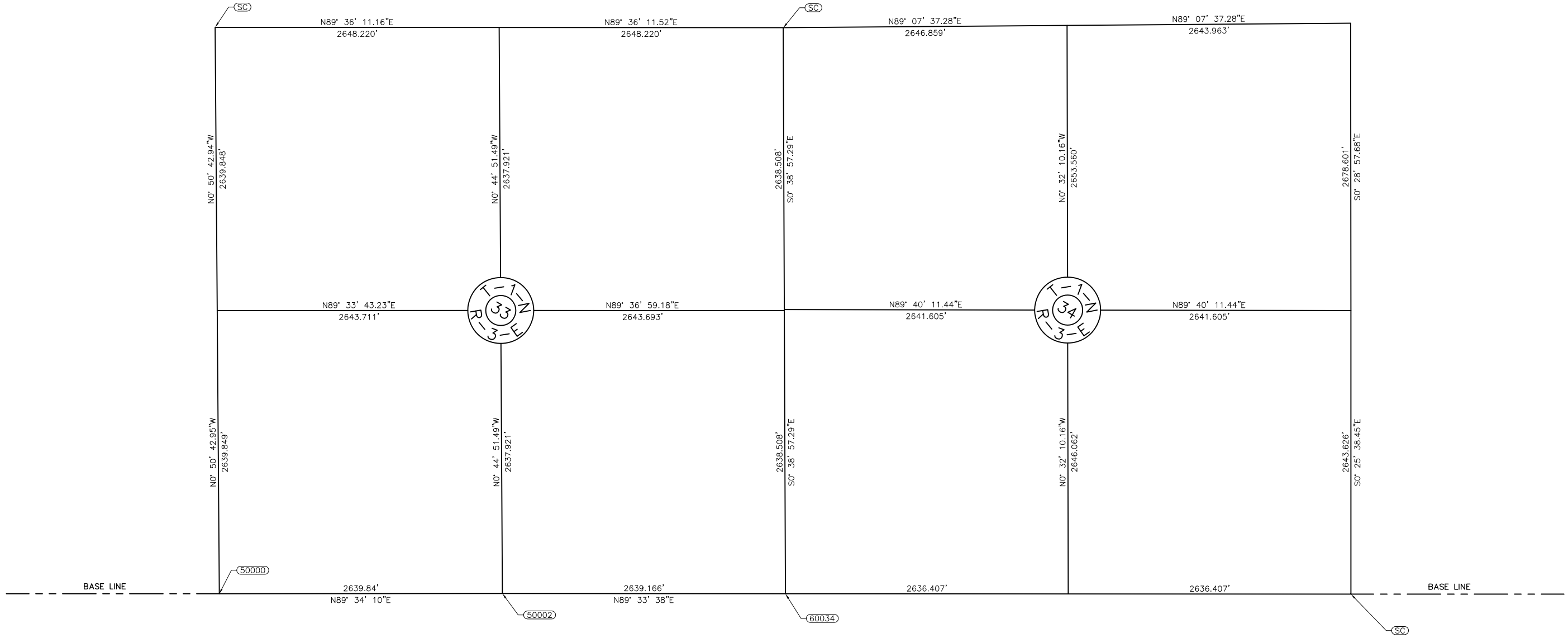
STA. 385+85.90
55.36' OFFSET LEFT
BENCH MARK NO. 10
IRON PIN (3/8")
ELEV.= 966.672
N 428449.8457
E 2272019.3342

STA. 390+07.08
53.62' OFFSET RIGHT
BENCH MARK NO. 11
IRON PIN (3/8")
ELEV.= 981.540
N 428344.0940
E 2272441.3420

STA. 394+04.57
91.72' OFFSET RIGHT
BENCH MARK NO. 12
IRON PIN (3/8")
ELEV.= 985.524
N 428309.0524
E 2272839.1116

SULPHUR SIDEWALK IMPROVEMENTS SURVEY DATA SHEET STA. 384+00 TO 399+50		Drawn	J ALEX	7/27/17
CITY OF SULPHUR BROADWAY - CHARLES F. COOPER MEMORIAL ROAD TO 12TH STREET		Design	WTM	7/27/17
STATE OF OKLAHOMA		Checked	WTM	7/27/17
DEPARTMENT OF TRANSPORTATION DIVISION 7		JOB NO. 210101		
SHEET NO. 8 OF 34				

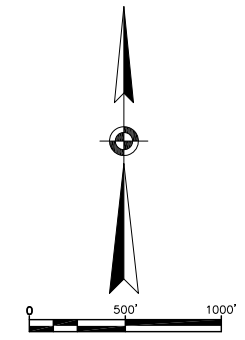
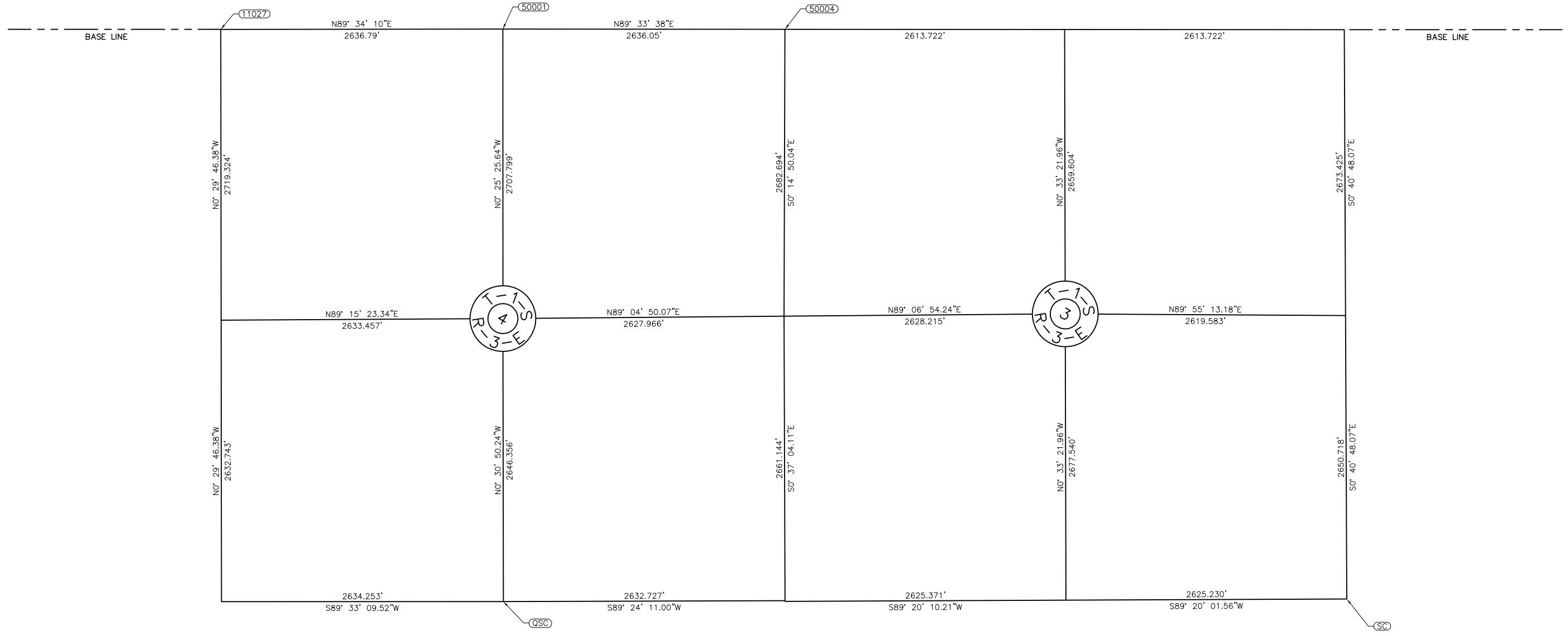
REVISIONS		
REV. NO.	DESCRIPTION	DATE



SULPHUR SIDEWALK IMPROVEMENTS SURVEY DATA SHEET SECTIONS 33 & 34 CITY OF SULPHUR BROADWAY - CHARLES F. COOPER MEMORIAL ROAD TO 12TH STREET			Drawn	J ALEX	7/27/17
			Design	WTM	7/27/17
			Checked	WTM	7/27/17
			JOB NO. 210101		
STATE OF OKLAHOMA		DEPARTMENT OF TRANSPORTATION			
		DIVISION 7		SHEET NO. 9 OF 34	

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REVISIONS		
REV. NO.	DESCRIPTION	DATE



SULPHUR SIDEWALK IMPROVEMENTS SURVEY DATA SHEET SECTIONS 3 & 4 CITY OF SULPHUR BROADWAY - CHARLES F. COOPER MEMORIAL ROAD TO 12TH STREET			Drawn	J ALEX	7/27/17
			Design	WTM	7/27/17
			Checked	WTM	7/27/17
			JOB NO. 210101		
STATE OF OKLAHOMA		DEPARTMENT OF TRANSPORTATION			
		DIVISION 7		SHEET NO. 10 OF 34	

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REVISIONS		
REV. NO.	DESCRIPTION	DATE

BENCH MARK POINT TABLE				
Point #	Elevation	Northing	Easting	Description
2000	988.15	428500.41	2275644.40	BM #18
2001	983.51	427973.28	2268523.27	BM #1
2002	971.78	428211.77	2268992.27	BM #2
2003	961.83	428419.01	2269274.07	BM #3
2004	954.17	428426.81	2269658.75	BM #4
2005	949.95	428412.37	2270128.48	BM #5
2006	954.58	428435.10	2270544.59	BM #6
2007	963.84	428460.34	2270828.73	BM #7
2008	963.23	428329.89	2271064.91	BM #8
2009	958.64	428432.81	2271646.81	BM #9
2010	966.67	428449.85	2272019.33	BM #10
2011	981.54	428344.09	2272441.34	BM #11
2012	985.52	428309.05	2272839.11	BM #12
2013	976.64	428418.64	2273385.04	BM #13
2014	948.29	428510.26	2273982.94	BM #14
2015	958.42	428503.85	2274372.01	BM #15
2016	972.45	428507.26	2274765.44	BM #16
2017	983.54	428495.97	2275206.90	BM #17

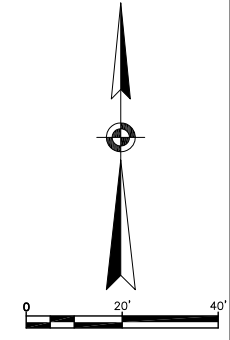
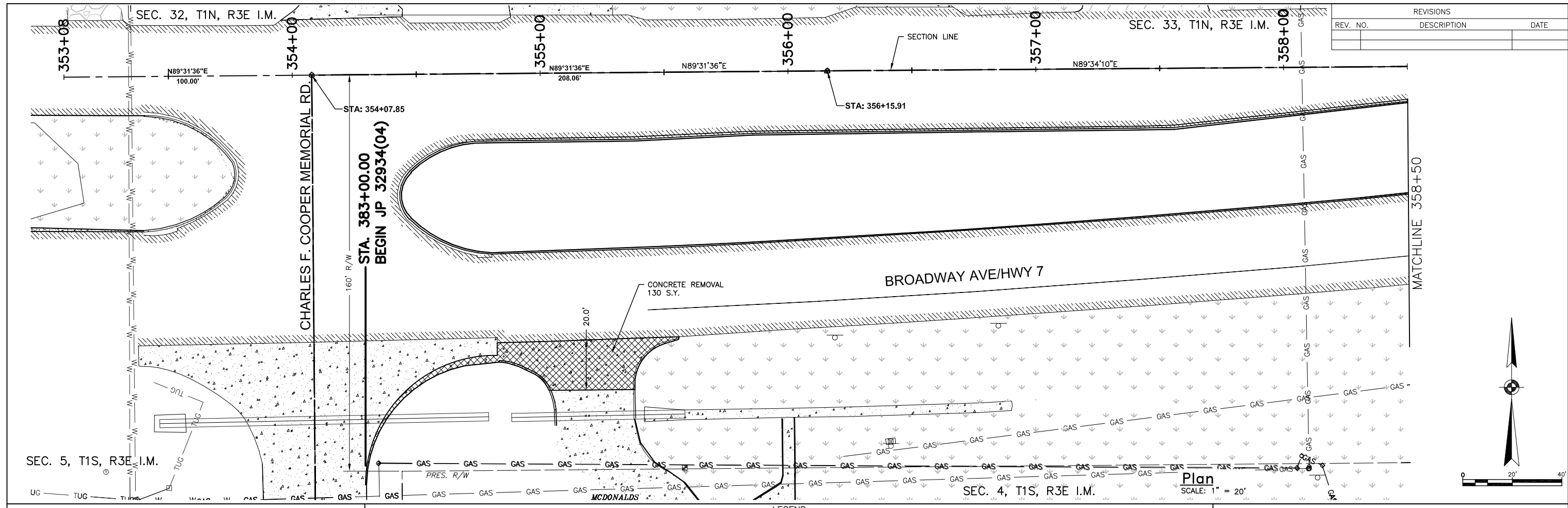
POINT TABLE			
Point #	Northing	Easting	Description
11000	428214.5359	2269285.0777	row
11001	428276.4021	2269584.4235	row
11002	428280.9685	2270160.4071	row
11003	428315.9542	2270160.1147	row
11004	428319.2764	2270579.1531	row
11005	428334.2702	2270579.0278	row
11006	428342.0804	2271564.1462	row
11007	428317.0907	2271564.3551	row
11008	428317.7643	2271649.3205	row
11009	428342.7540	2271649.1117	row
11010	428346.9038	2272172.5281	row
11011	428360.5459	2272528.7254	row
11012	428381.3712	2272831.8534	row
11013	428394.9042	2273183.3745	row
11014	428210.8948	2268878.1920	row
11015	428420.4587	2268841.2843	row
11016	428426.9346	2269658.0991	row
11017	428451.9230	2269657.7203	row
11018	428452.6362	2269747.6861	row
11019	428427.8460	2269773.0553	row
11020	428430.2235	2270072.9411	row
11021	428455.2119	2270072.5623	row
11022	428456.7969	2270272.4862	row
11023	428432.0067	2270297.8555	row
11024	428448.2638	2272348.4087	row
11025	428488.2475	2272348.0917	row

POINT TABLE			
Point #	Northing	Easting	Description
11027	428370.4795	2268841.6807	Found Pk Nail
11028	428451.6748	2269658.3222	Fip 1/2" W/cap
11029	428451.2367	2269660.8709	Fip Con Monument
11030	428452.5884	2269745.3714	Fip Con Monument
11031	428426.6980	2269658.5189	Fip 1/2" W/cap
11032	428427.1248	2269658.4438	Fip Con Monument
11033	428429.5668	2270071.7467	Fip Con Monument
11034	428454.4623	2270071.3005	Fip Con Monument
11035	428431.8639	2270348.7613	Fip 1" Bar
11036	428432.0444	2270368.8318	Fip 80d Nail
11037	428432.6992	2270470.4968	Fip 80d Nail
11038	428435.7744	2270880.2289	Fip 1/2" W/cap
11039	428437.0660	2271045.3417	Found Pk Nail W/shiner
11040	428438.7667	2271270.4119	Found Pk Nail W/shiner
11041	428442.6570	2271828.4377	Fip 80d Nail
11042	428432.8491	2271646.8359	Bm 2" Alum Cap
11043	428431.2486	2271649.9305	Bm Found Cut "x"
11044	428444.3602	2272017.9711	Fip 1/2"
11045	428447.7563	2272349.8905	Fip Mon Reminant
11046	428487.2156	2272348.6919	Fip 1/2"

POINT TABLE			
Point #	Northing	Easting	Description
11047	428507.0397	2274765.5344	Found Cut "x"
11048	428506.4826	2275001.6331	Found Pk Nail W/shiner
11049	428507.3928	2275136.6123	Found Pk Nail W/shiner
11050	428377.5373	2275133.8425	Found Cut "x"
11051	428318.4584	2270579.5002	Fip 1/2" W/cap
11052	428315.2740	2270160.3624	Fip 1/2" W/cap
11053	428280.4015	2270160.9730	Fip 1/2" W/cap
11054	428276.5384	2269584.7978	Fip Con Monument
11055	428203.4655	2269235.9525	Fip 1/2" W/cap
11056	428153.5359	2268822.8503	Bm "x"
11057	428405.9363	2268872.4381	Found Cut "x"
11058	428405.5809	2268837.9564	Found Cut "x"
11059	428194.9415	2268783.2006	Fip 1/2" W/cap
50000	428371.9524	2269049.7996	sc spk
50001	428390.3073	2271478.1025	qsc fpk
50002	428391.7256	2271689.5656	qsc
50003	428391.8322	2271688.7884	qsc fnd 60d nail
50004	428410.4361	2274114.0761	sc brass monument
50005	4288382.7669	2270433.5201	set pk nail
60034	428412.3770	2274327.5158	qsc spk
60044	428480.6466	2274132.0110	cut x
60045	428492.3261	2274165.9849	cut x
60046	428408.1170	2269063.1213	cut x
60047	428408.4421	2269097.0155	cut x
60048	428346.9762	2269048.8051	cut x
60049	428343.3549	2268912.2558	cut x
60050	428322.9798	2268877.7020	cut x
60051	428406.0158	2268872.3414	cut x

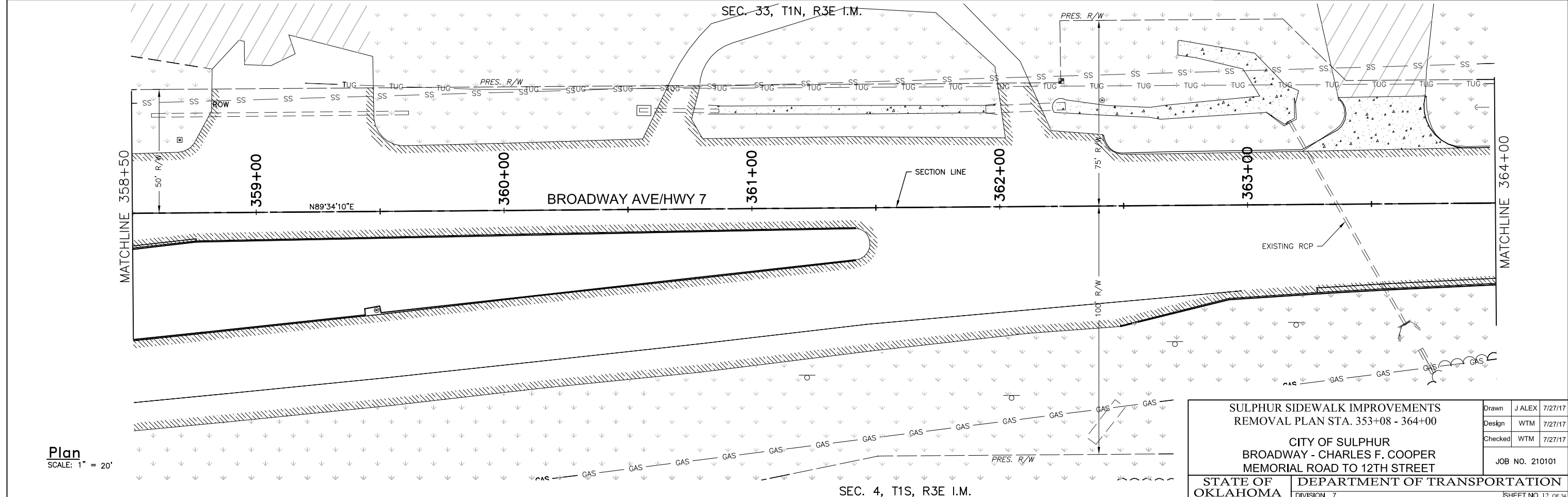
SULPHUR SIDEWALK IMPROVEMENTS SURVEY DATA SHEET POINT LIST CITY OF SULPHUR BROADWAY - CHARLES F. COOPER MEMORIAL ROAD TO 12TH STREET			Drawn	J ALEX	7/27/17
			Design	WTM	7/27/17
			Checked	WTM	7/27/17
			JOB NO. 210101		
STATE OF OKLAHOMA		DEPARTMENT OF TRANSPORTATION			
		DIVISION 7		SHEET NO. 11 OF 34	

REVISIONS		
REV. NO.	DESCRIPTION	DATE



LEGEND

EXIST. ASPHALT	EXIST. GRASS	EXIST. GRAVEL	EXIST. CONCRETE	CLEAN OUT	POWER POLE	GASOLINE FILL CAP	TELEPHONE PEDESTAL	DRAINAGE INLET	SIGN	GAS METER	VENT PIPE	FLAG POLE	LIGHT POLE	WATER VALVE
BENCH MARK	SANITARY SEWER MH	GAS LINE MARKER	TRAFFIC VAULT	FIRE HYDRANT	SIGNAL VAULT	GUY ANCHOR	WATER METER	STORM SEWER MH	MAIL BOX	YARD HYDRANT	REMOVAL OF ASPHALT	REMOVAL OF CONCRETE		

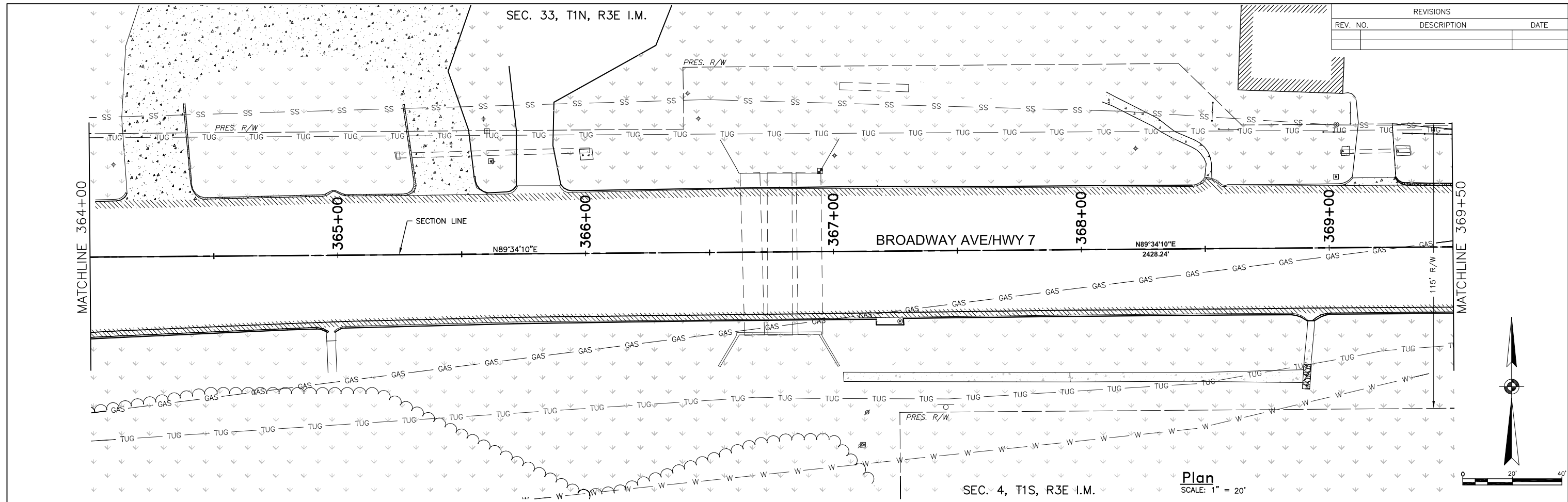


Plan
SCALE: 1" = 20'

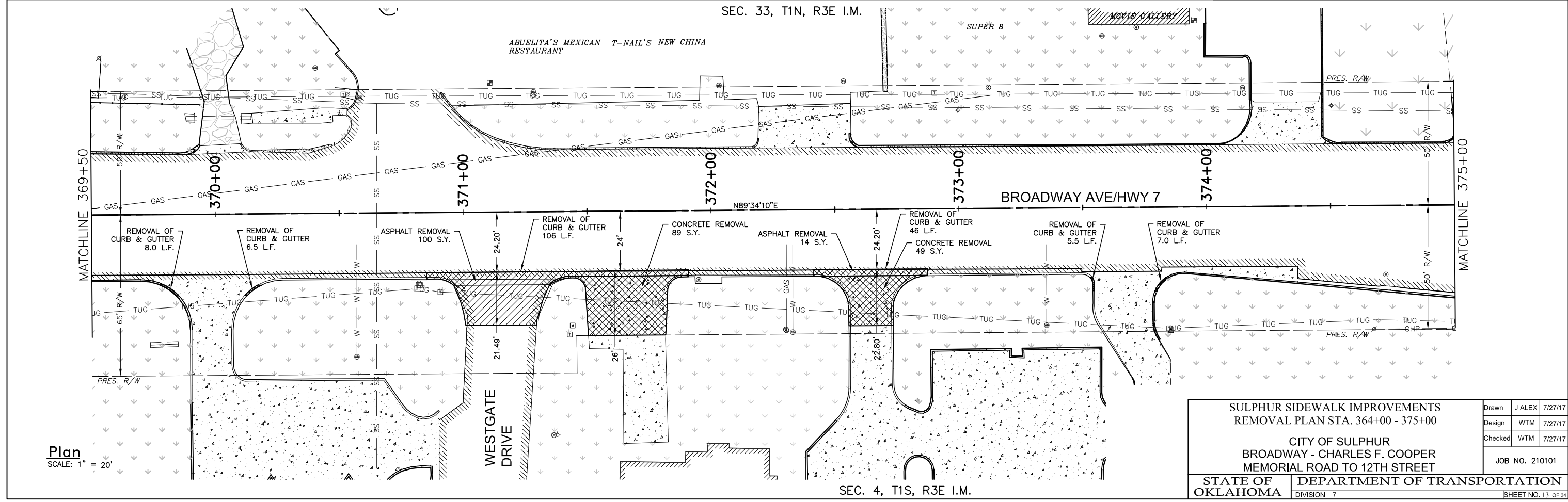
SULPHUR SIDEWALK IMPROVEMENTS REMOVAL PLAN STA. 353+08 - 364+00		Drawn	J ALEX	7/27/17
		Design	WTM	7/27/17
		Checked	WTM	7/27/17
CITY OF SULPHUR BROADWAY - CHARLES F. COOPER MEMORIAL ROAD TO 12TH STREET		JOB NO. 210101		
STATE OF OKLAHOMA	DEPARTMENT OF TRANSPORTATION DIVISION 7	SHEET NO. 12 OF 34		

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REVISIONS		
REV. NO.	DESCRIPTION	DATE



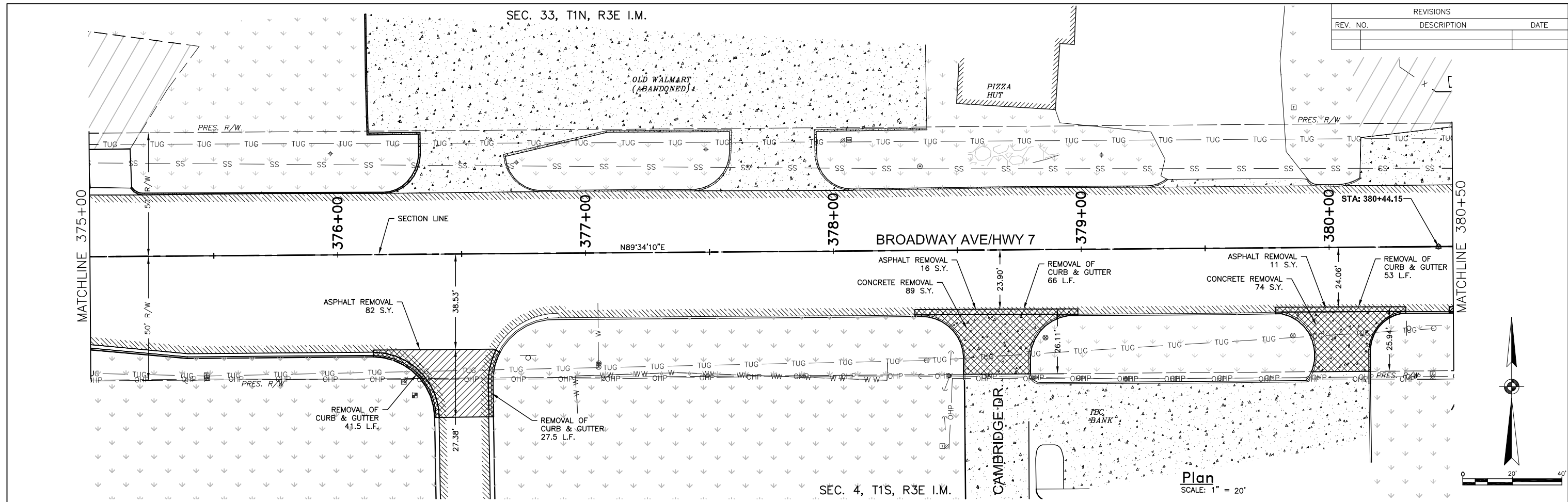
EXIST.		REMOVAL	
	ASPHALT		ASPHALT
	GRASS		CONCRETE
	GRAVEL		
	CONCRETE		



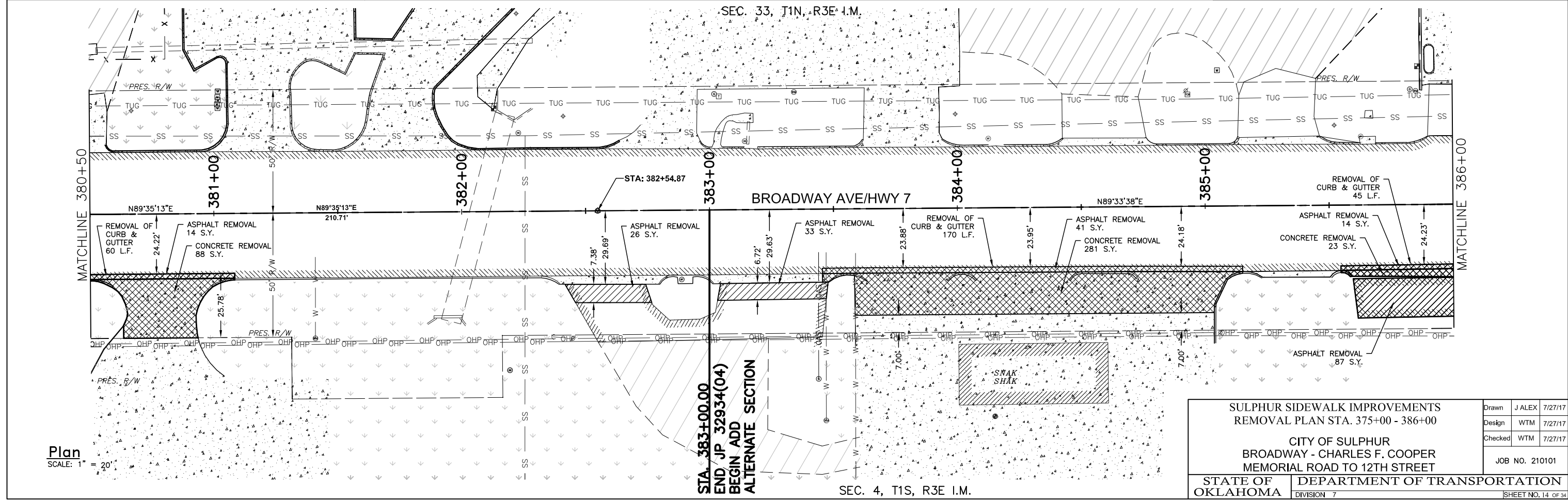
SULPHUR SIDEWALK IMPROVEMENTS REMOVAL PLAN STA. 364+00 - 375+00		Drawn	J ALEX	7/27/17
CITY OF SULPHUR BROADWAY - CHARLES F. COOPER MEMORIAL ROAD TO 12TH STREET		Design	WTM	7/27/17
STATE OF OKLAHOMA		Checked	WTM	7/27/17
DEPARTMENT OF TRANSPORTATION DIVISION 7		JOB NO. 210101		SHEET NO. 13 OF 34

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REVISIONS		
REV. NO.	DESCRIPTION	DATE



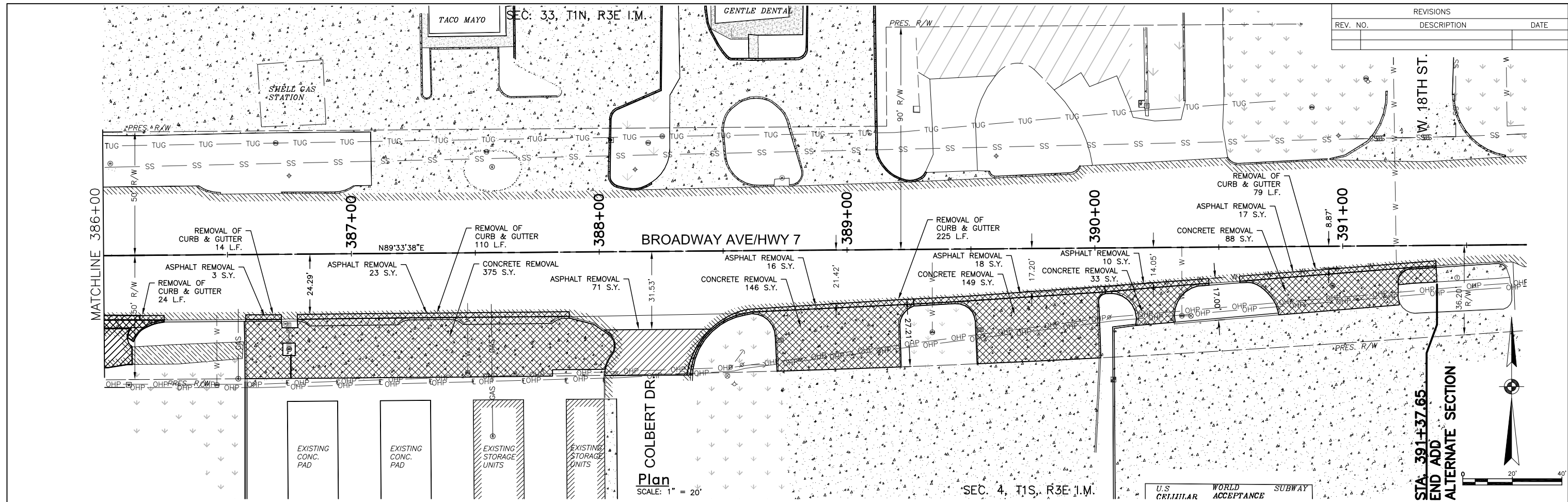
LEGEND																
EXIST. ASPHALT	EXIST. GRASS	EXIST. GRAVEL	EXIST. CONCRETE	CLEAN OUT	POWER POLE	GASOLINE FILL CAP	TELEPHONE PEDESTAL	DRAINAGE INLET	SIGN	GAS METER	VENT PIPE	FLAG POLE	LIGHT POLE	WATER VALVE	REMOVAL OF ASPHALT	REMOVAL OF CONCRETE
BENCH MARK	SANITARY SEWER MH	GAS LINE MARKER	TRAFFIC VAULT	FIRE HYDRANT	SIGNAL VAULT	GUY ANCHOR	WATER METER	STORM SEWER MH	MAIL BOX	YARD HYDRANT						



SULPHUR SIDEWALK IMPROVEMENTS REMOVAL PLAN STA. 375+00 - 386+00		Drawn	J ALEX	7/27/17
CITY OF SULPHUR BROADWAY - CHARLES F. COOPER MEMORIAL ROAD TO 12TH STREET		Design	WTM	7/27/17
STATE OF OKLAHOMA		Checked	WTM	7/27/17
DEPARTMENT OF TRANSPORTATION DIVISION 7		JOB NO. 210101		SHEET NO. 14 OF 34

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REVISIONS		
REV. NO.	DESCRIPTION	DATE

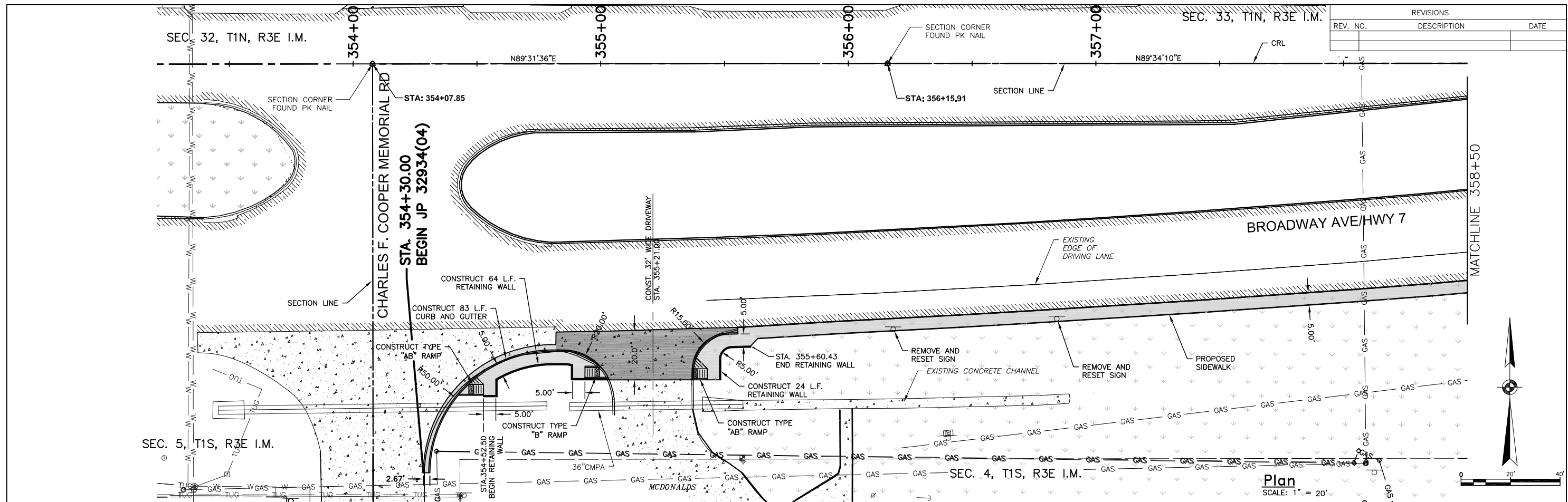


EXIST.		LEGEND		REMOVAL	
	ASPHALT		CLEAN OUT		ASPHALT
	GRASS		POWER POLE		CONCRETE
	GRAVEL		GASOLINE FILL CAP		
	CONCRETE		GAS LINE MARKER		
			TELEPHONE PEDESTAL		
			DRAINAGE INLET		
			SIGN		
			GAS METER		
			VENT PIPE		
			FLAG POLE		
			GUY ANCHOR		
			WATER METER		
			STORM SEWER MH		
			MAIL BOX		
			WATER VALVE		
			YARD HYDRANT		

ADD ALTERNATE SECTION		
SULPHUR SIDEWALK IMPROVEMENTS REMOVAL PLAN STA. 386+00 - 391+37.65		
Drawn	J ALEX	7/27/17
Design	WTM	7/27/17
Checked	WTM	7/27/17
CITY OF SULPHUR BROADWAY - CHARLES F. COOPER MEMORIAL ROAD TO 12TH STREET		
JOB NO. 210101		
STATE OF OKLAHOMA	DEPARTMENT OF TRANSPORTATION	SHEET NO. 15 OF 34

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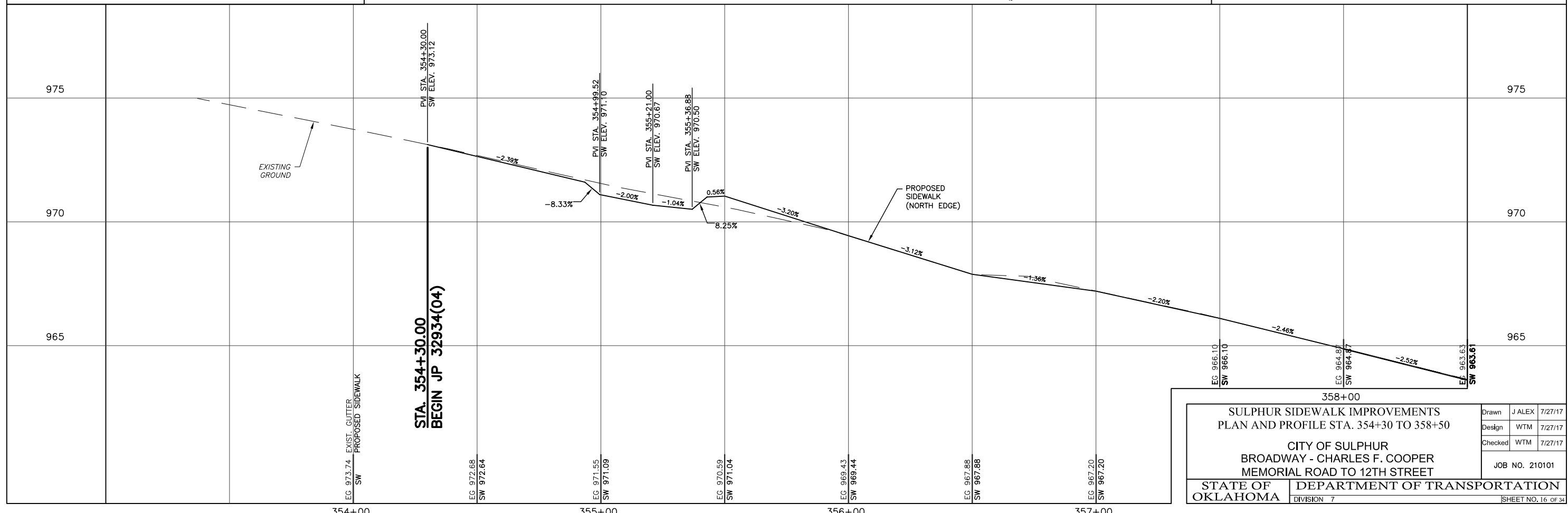
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REVISIONS		
REV. NO.	DESCRIPTION	DATE

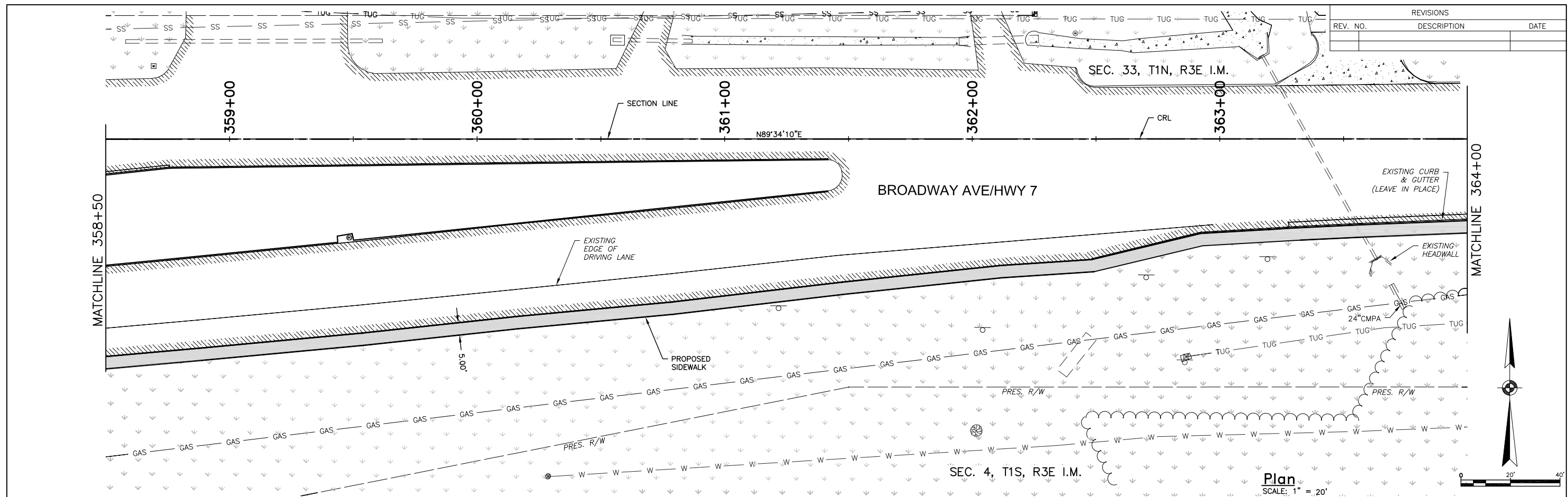
LEGEND

EXIST. ASPHALT	EXIST. GRASS	EXIST. GRAVEL	EXIST. CONCRETE	CLEAN OUT	POWER POLE	GASOLINE FILL CAP	TELEPHONE PEDESTAL	DRAINAGE INLET	SIGN	GAS METER	VENT PIPE	FLAG POLE	LIGHT POLE	WATER VALVE
BENCH MARK	SANITARY SEWER MH	GAS LINE MARKER	TRAFFIC VAULT	FIRE HYDRANT	SIGNAL VAULT	GUY ANCHOR	WATER METER	STORM SEWER MH	MAIL BOX	YARD HYDRANT	PROPOSED SIDEWALK	PROPOSED DRIVE		

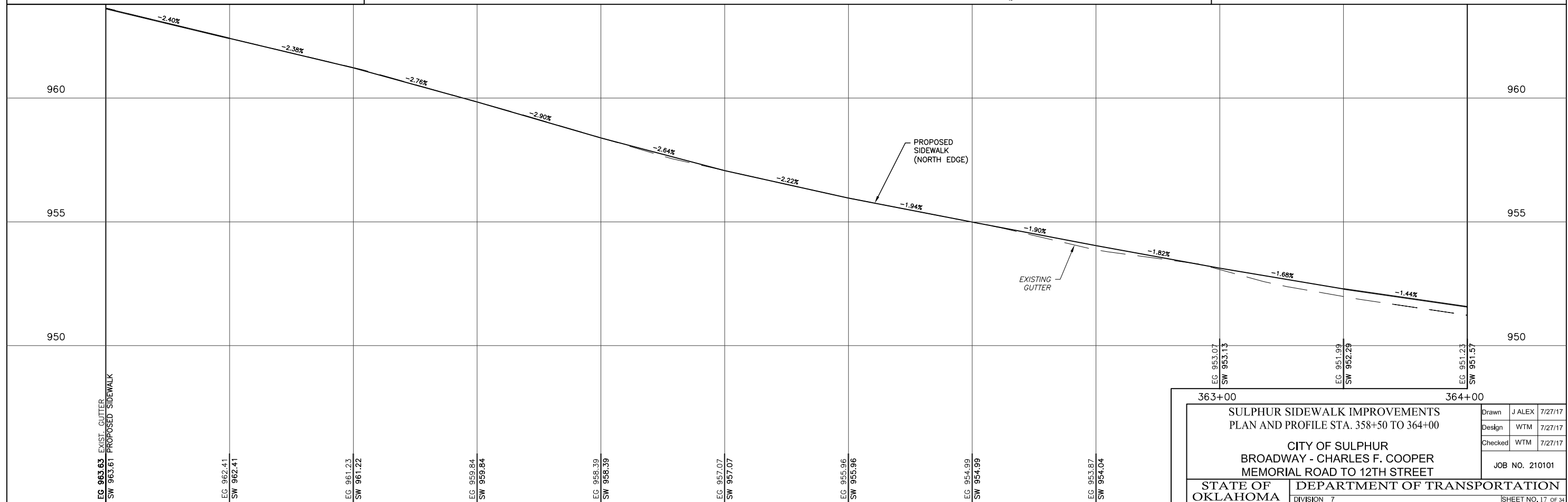


SULPHUR SIDEWALK IMPROVEMENTS PLAN AND PROFILE STA. 354+30 TO 358+50		Drawn	J ALEX	7/27/17
CITY OF SULPHUR BROADWAY - CHARLES F. COOPER MEMORIAL ROAD TO 12TH STREET		Design	WTM	7/27/17
STATE OF OKLAHOMA DIVISION 7		Checked	WTM	7/27/17
DEPARTMENT OF TRANSPORTATION		JOB NO. 210101		
SHEET NO. 16 OF 34				

REVISIONS		
REV. NO.	DESCRIPTION	DATE



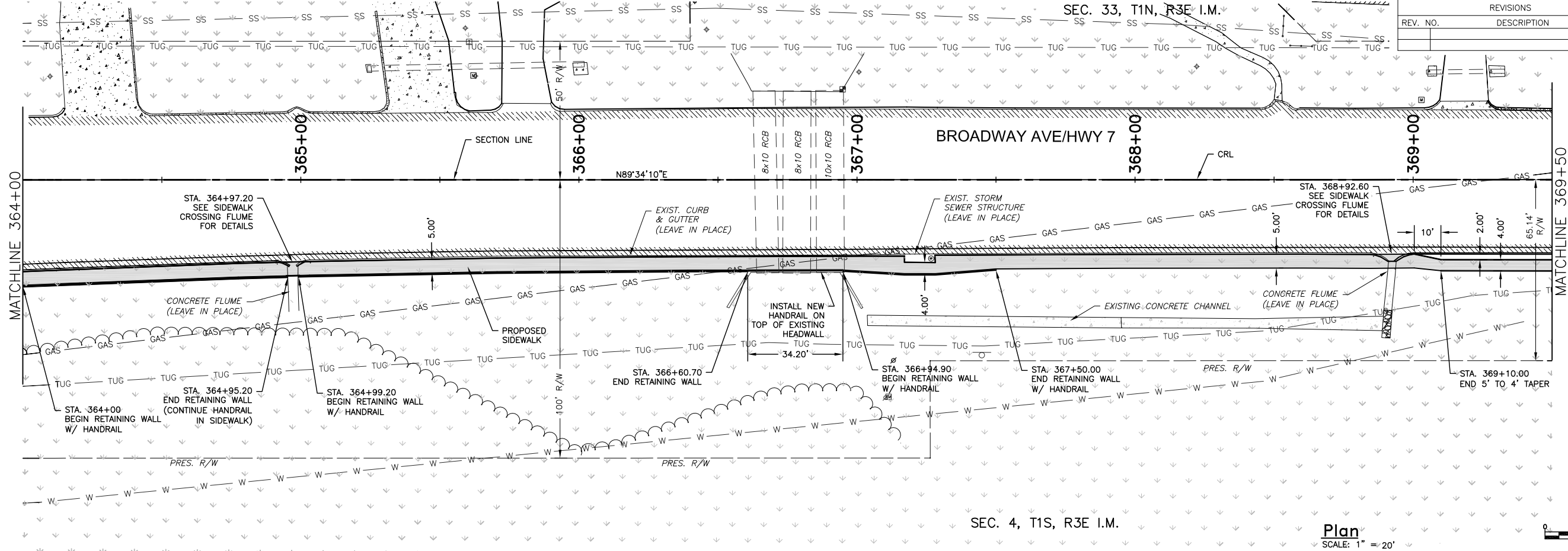
LEGEND														
EXIST. ASPHALT	EXIST. GRASS	EXIST. GRAVEL	EXIST. CONCRETE	CLEAN OUT	SANITARY SEWER MH	GASOLINE FILL CAP	TELEPHONE PEDESTAL	DRAINAGE INLET	SIGN	GAS METER	VENT PIPE	FLAG POLE	LIGHT POLE	WATER VALVE
BENCH MARK	GAS LINE MARKER	TRAFFIC VAULT	FIRE HYDRANT	SIGNAL VAULT	GUY ANCHOR	WATER METER	STORM SEWER MH	MAIL BOX	YARD HYDRANT	PROPOSED SIDEWALK	PROPOSED CONCRETE			



363+00		364+00	
SULPHUR SIDEWALK IMPROVEMENTS PLAN AND PROFILE STA. 358+50 TO 364+00 CITY OF SULPHUR BROADWAY - CHARLES F. COOPER MEMORIAL ROAD TO 12TH STREET			
STATE OF OKLAHOMA		DEPARTMENT OF TRANSPORTATION	
DIVISION 7		JOB NO. 210101	
Drawn	J ALEX	7/27/17	
Design	WTM	7/27/17	
Checked	WTM	7/27/17	
SHEET NO. 17 OF 34			

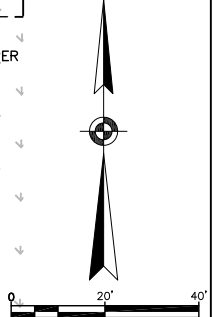
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REVISIONS		
REV. NO.	DESCRIPTION	DATE

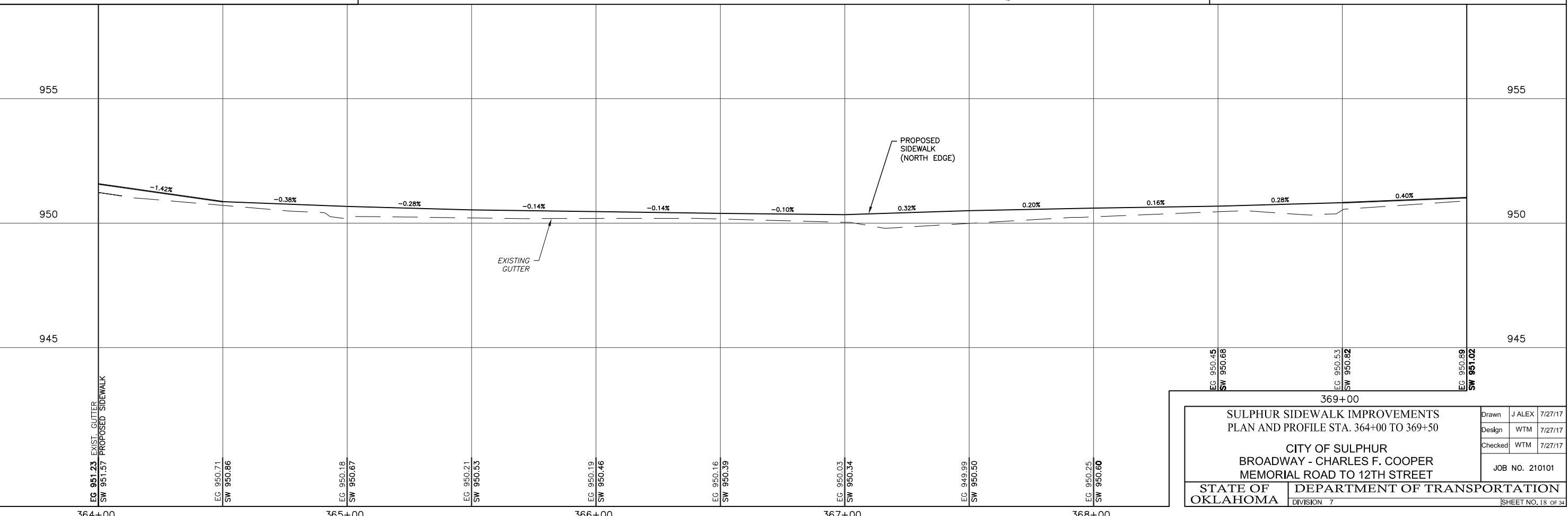


SEC. 4, T1S, R3E I.M.

Plan
SCALE: 1" = 20'



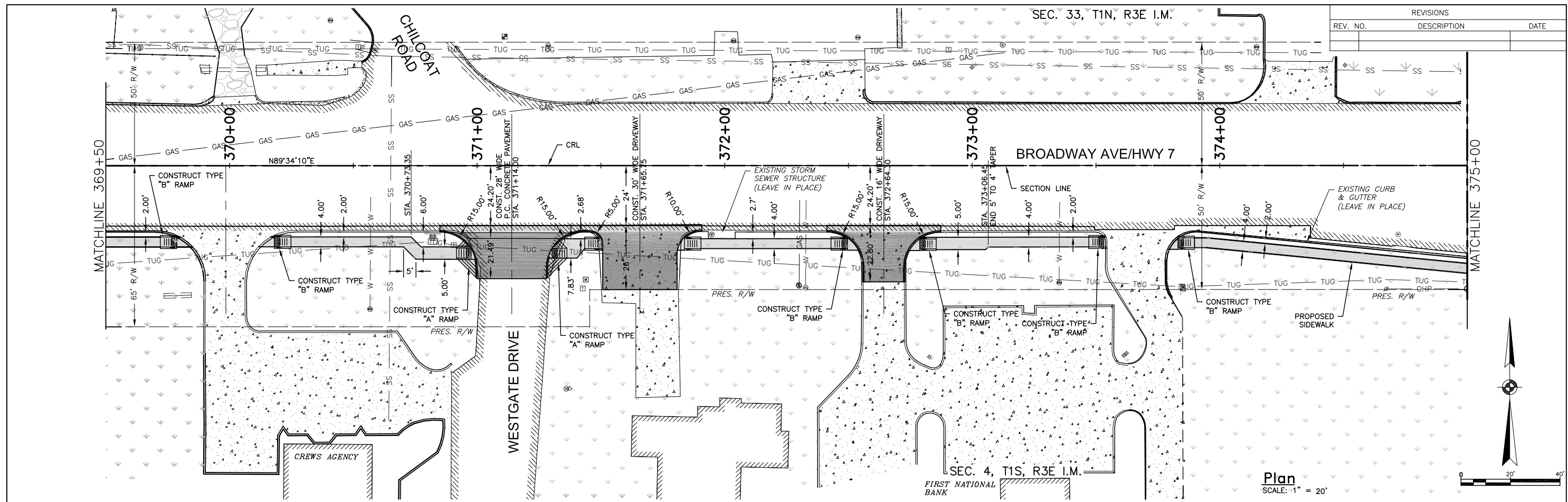
LEGEND																											
EXIST. ASPHALT	EXIST. GRASS	EXIST. GRAVEL	EXIST. CONCRETE	CLEAN OUT	BENCH MARK	POWER POLE	SANITARY SEWER MH	GASOLINE FILL CAP	GAS LINE MARKER	TELEPHONE PEDESTAL	TRAFFIC VAULT	DRAINAGE INLET	FIRE HYDRANT	SIGN	SIGNAL VAULT	GAS METER	GUY ANCHOR	VENT PIPE	WATER METER	FLAG POLE	STORM SEWER MH	LIGHT POLE	MAIL BOX	WATER VALVE	YARD HYDRANT	PROPOSED SIDEWALK	PROPOSED CONCRETE



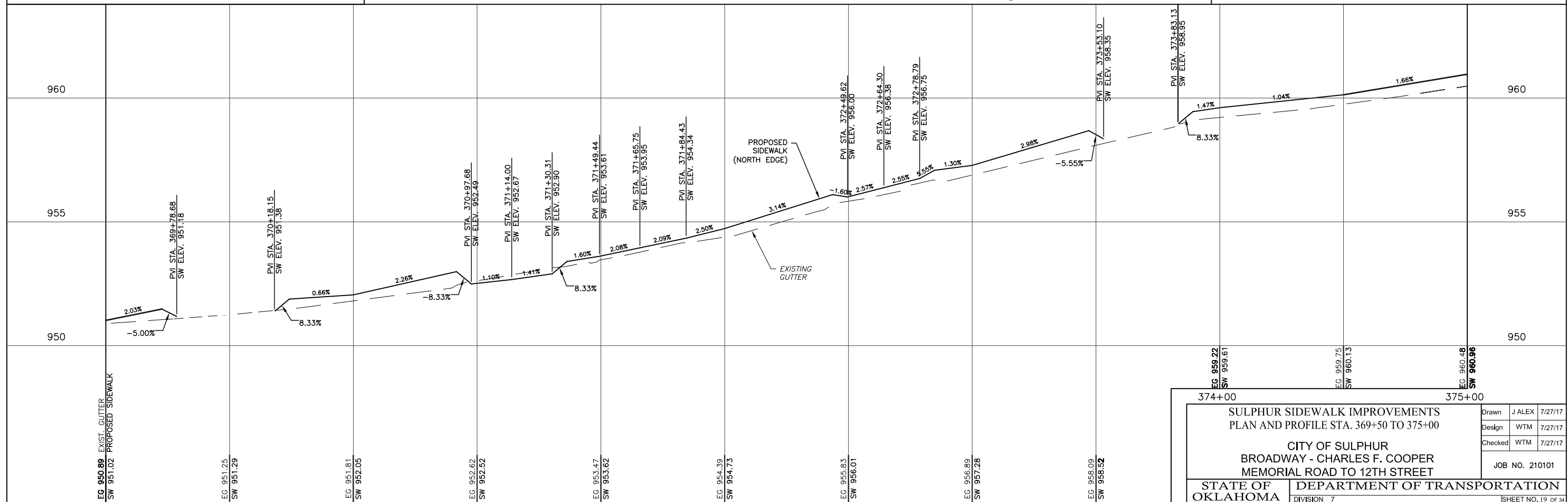
369+00	
SULPHUR SIDEWALK IMPROVEMENTS PLAN AND PROFILE STA. 364+00 TO 369+50	
CITY OF SULPHUR BROADWAY - CHARLES F. COOPER MEMORIAL ROAD TO 12TH STREET	
STATE OF OKLAHOMA	DEPARTMENT OF TRANSPORTATION DIVISION 7
Drawn: J ALEX 7/27/17	Design: WTM 7/27/17
Checked: WTM 7/27/17	JOB NO. 210101
SHEET NO. 18 OF 34	

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REVISIONS		
REV. NO.	DESCRIPTION	DATE



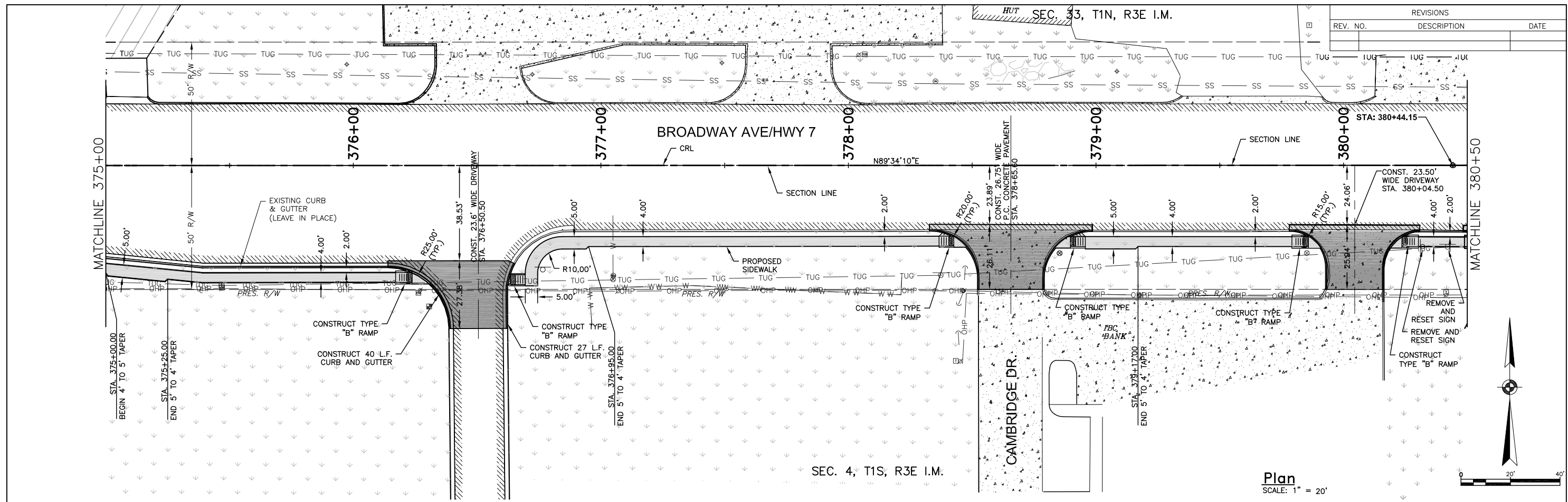
LEGEND																													
	EXIST. ASPHALT		EXIST. GRASS		EXIST. GRAVEL		EXIST. CONCRETE		CLEAN OUT		POWER POLE		GASOLINE FILL CAP		TELEPHONE PEDESTAL		DRAINAGE INLET		SIGN		GAS METER		VENT PIPE		FLAG POLE		LIGHT POLE		WATER VALVE
	BENCH MARK		SANITARY SEWER MH		GAS LINE MARKER		TRAFFIC VAULT		FIRE HYDRANT		SIGNAL VAULT		GUY ANCHOR		WATER METER		STORM SEWER MH		MAIL BOX		YARD HYDRANT		PROPOSED SIDEWALK		PROPOSED CONCRETE				



EG 950.89 SW 951.02		EG 951.25 SW 951.29		EG 951.81 SW 952.05		EG 952.62 SW 952.52		EG 953.47 SW 953.62		EG 954.39 SW 954.73		EG 955.83 SW 956.01		EG 956.89 SW 957.28		EG 958.09 SW 958.52		EG 959.22 SW 959.61		EG 959.75 SW 960.13		EG 960.48 SW 960.96	
<p style="text-align: center;">SULPHUR SIDEWALK IMPROVEMENTS PLAN AND PROFILE STA. 369+50 TO 375+00</p> <p style="text-align: center;">CITY OF SULPHUR BROADWAY - CHARLES F. COOPER MEMORIAL ROAD TO 12TH STREET</p> <p style="text-align: center;">STATE OF OKLAHOMA DEPARTMENT OF TRANSPORTATION DIVISION 7</p>																							
<p>Drawn: J ALEX 7/27/17</p> <p>Design: WTM 7/27/17</p> <p>Checked: WTM 7/27/17</p> <p>JOB NO. 210101</p>												<p style="text-align: right;">SHEET NO. 19 OF 34</p>											

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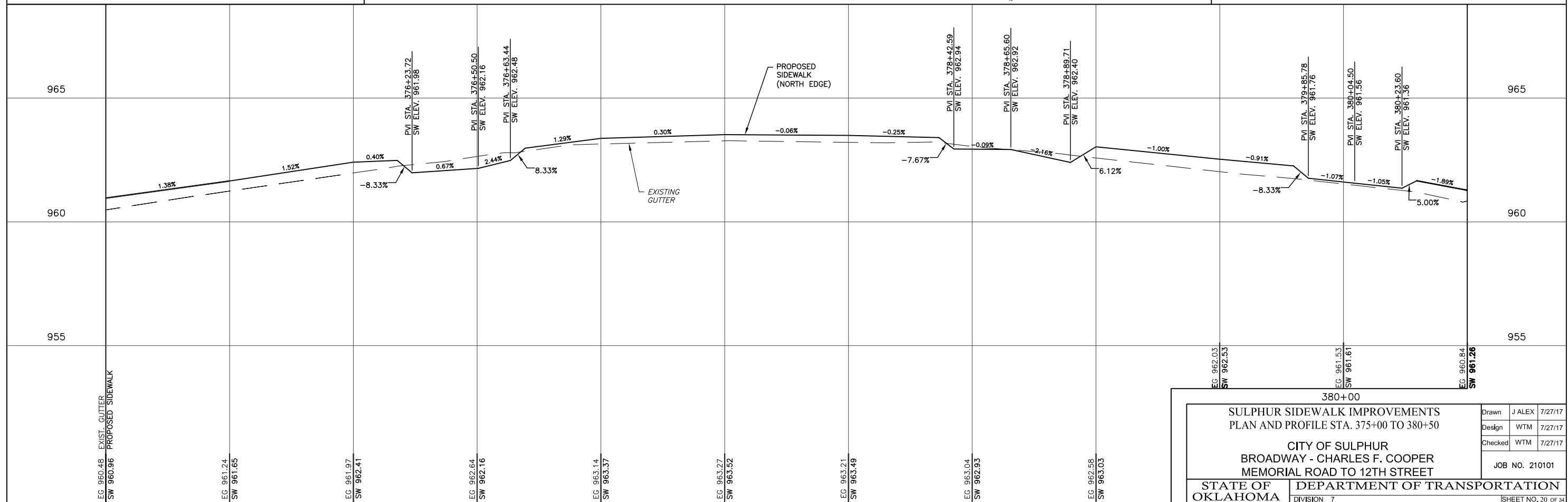
REV. NO.	DESCRIPTION	DATE



SEC. 4, T1S, R3E I.M.

Plan
SCALE: 1" = 20'

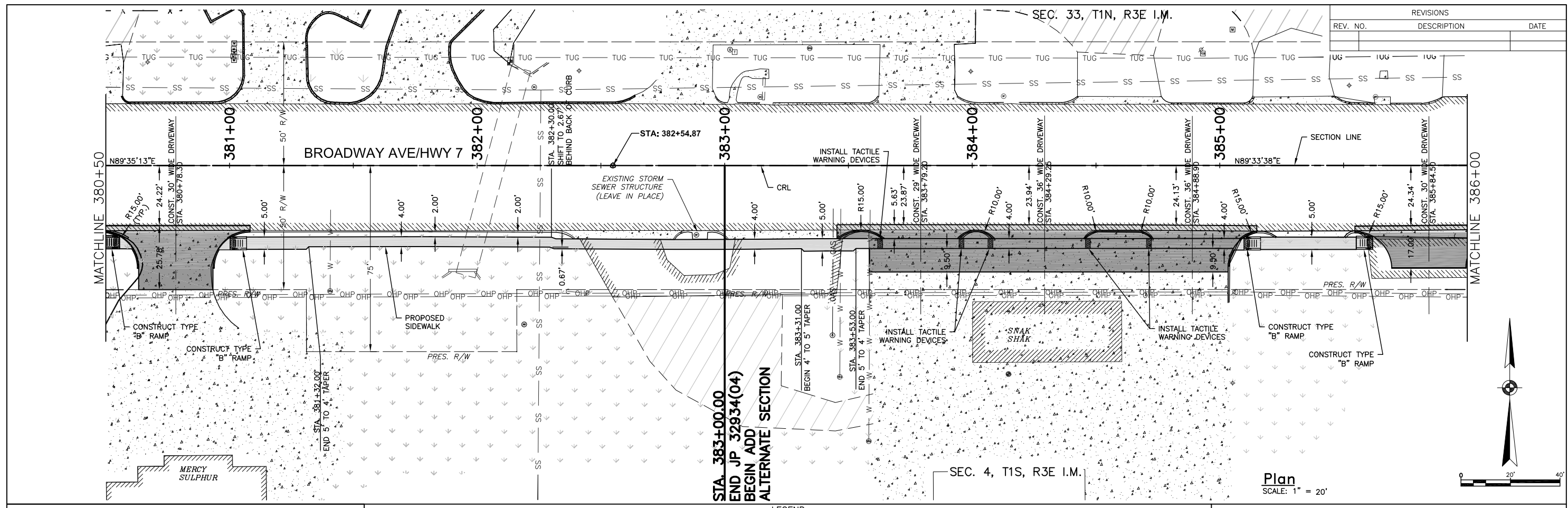
EXIST. ASPHALT		EXIST. GRASS		EXIST. GRAVEL		EXIST. CONCRETE		LEGEND												PROPOSED SIDEWALK		PROPOSED CONCRETE								



380+00	
SULPHUR SIDEWALK IMPROVEMENTS PLAN AND PROFILE STA. 375+00 TO 380+50	
CITY OF SULPHUR BROADWAY - CHARLES F. COOPER MEMORIAL ROAD TO 12TH STREET	
STATE OF OKLAHOMA	DEPARTMENT OF TRANSPORTATION DIVISION 7
Drawn: J ALEX 7/27/17	Design: WTM 7/27/17
Checked: WTM 7/27/17	JOB NO. 210101
SHEET NO. 20 OF 34	

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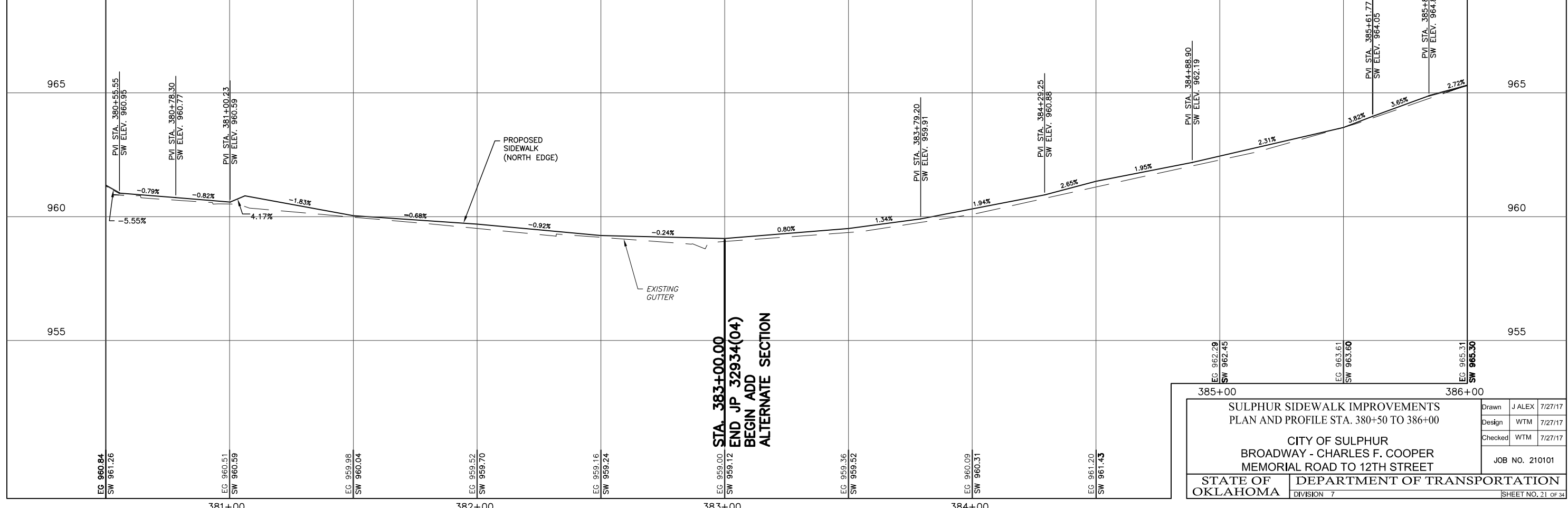
REVISIONS		
REV. NO.	DESCRIPTION	DATE



**STA. 383+00.00
END JP 32934(04)
BEGIN ADD
ALTERNATE SECTION**

Plan
SCALE: 1" = 20'

LEGEND	
	EXIST. ASPHALT
	EXIST. GRASS
	EXIST. GRAVEL
	EXIST. CONCRETE
	CLEAN OUT
	BENCH MARK
	POWER POLE
	SANITARY SEWER MH
	GASOLINE FILL CAP
	GAS LINE MARKER
	TELEPHONE PEDESTAL
	TRAFFIC VAULT
	DRAINAGE INLET
	FIRE HYDRANT
	SIGN
	SIGNAL VAULT
	GAS METER
	GUY ANCHOR
	VENT PIPE
	WATER METER
	FLAG POLE
	STORM SEWER MH
	LIGHT POLE
	MAIL BOX
	WATER VALVE
	YARD HYDRANT
	PROPOSED SIDEWALK
	PROPOSED CONCRETE

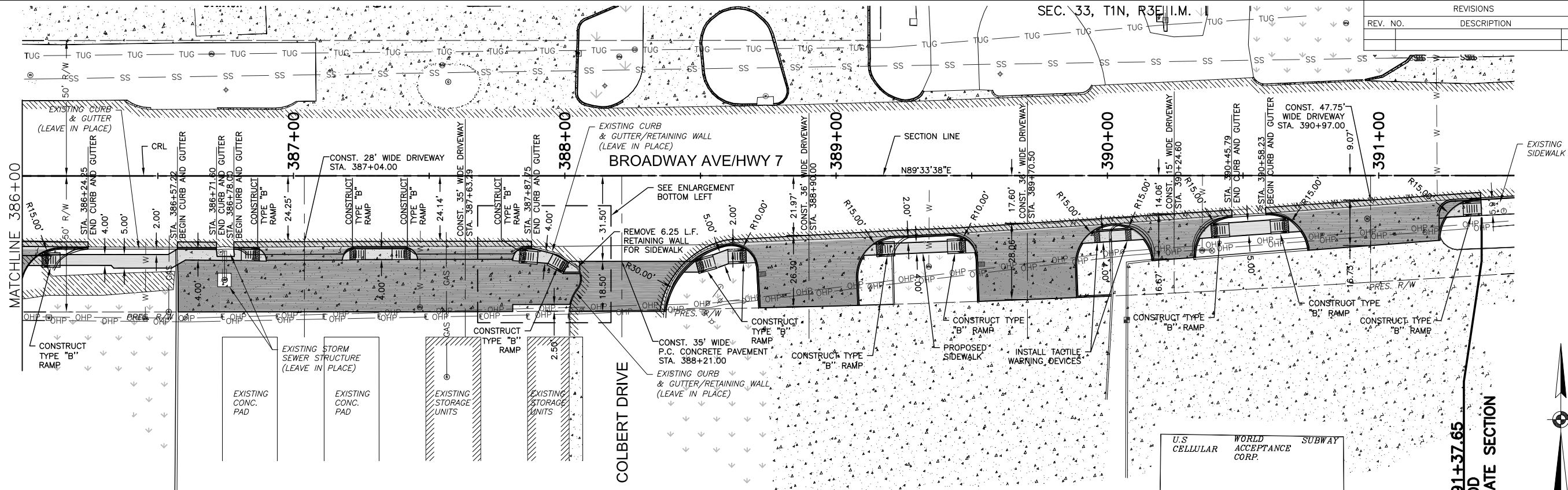


**STA. 383+00.00
END JP 32934(04)
BEGIN ADD
ALTERNATE SECTION**

385+00		386+00	
SULPHUR SIDEWALK IMPROVEMENTS PLAN AND PROFILE STA. 380+50 TO 386+00			
CITY OF SULPHUR BROADWAY - CHARLES F. COOPER MEMORIAL ROAD TO 12TH STREET			
STATE OF OKLAHOMA		DEPARTMENT OF TRANSPORTATION	
DIVISION 7		JOB NO. 210101	
Drawn	J ALEX	7/27/17	
Design	WTM	7/27/17	
Checked	WTM	7/27/17	
SHEET NO. 21 OF 34			

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REVISIONS		
REV. NO.	DESCRIPTION	DATE



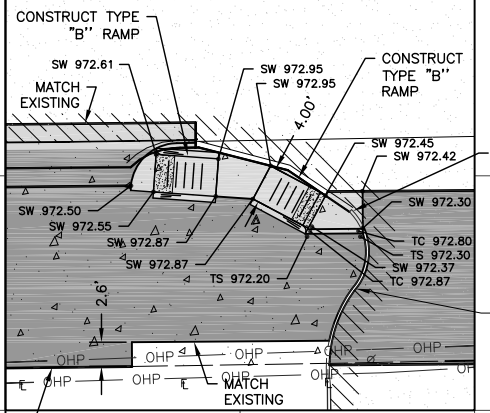
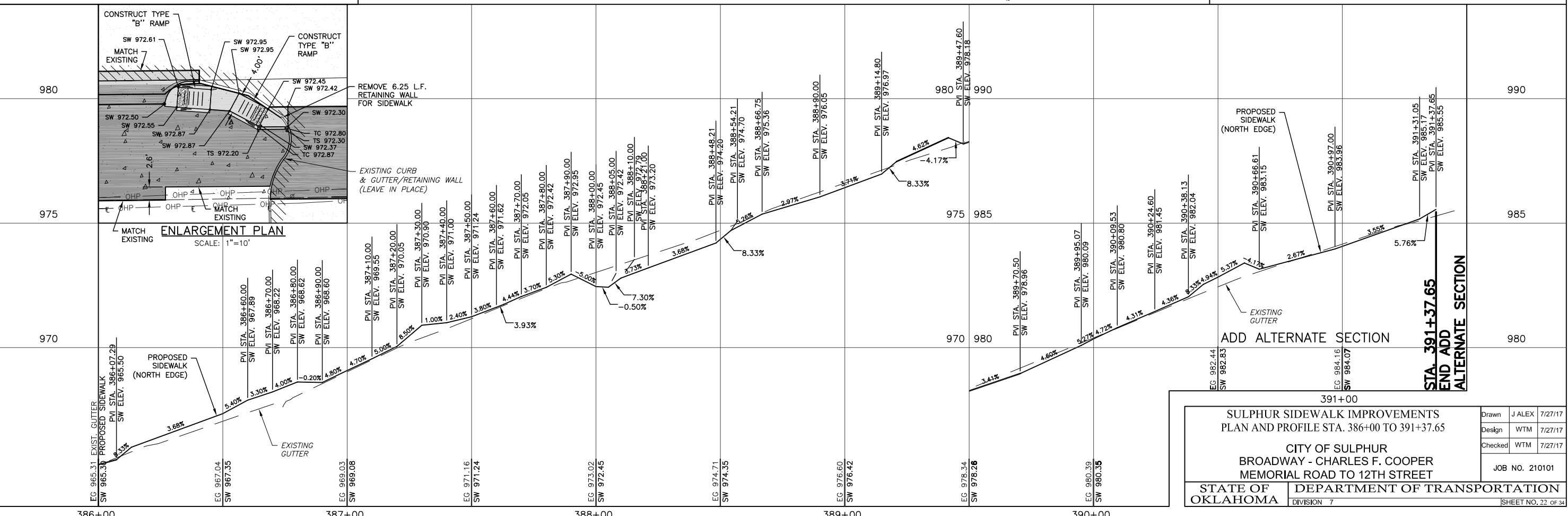
ABBREVIATIONS:
 SW = SIDEWALK
 TC = TOP OF CURB
 TS = TOP OF SLAB

**STA. 391+37.65
 END ADD
 ALTERNATE SECTION**

SEC. 4, T1S, R3E I.M.

Plan
 SCALE: 1" = 20'

LEGEND											



ENLARGEMENT PLAN
 SCALE: 1"=10'

**SULPHUR SIDEWALK IMPROVEMENTS
 PLAN AND PROFILE STA. 386+00 TO 391+37.65**

**CITY OF SULPHUR
 BROADWAY - CHARLES F. COOPER
 MEMORIAL ROAD TO 12TH STREET**

Drawn	J ALEX	7/27/17
Design	WTM	7/27/17
Checked	WTM	7/27/17

JOB NO. 210101

STATE OF OKLAHOMA DEPARTMENT OF TRANSPORTATION DIVISION 7

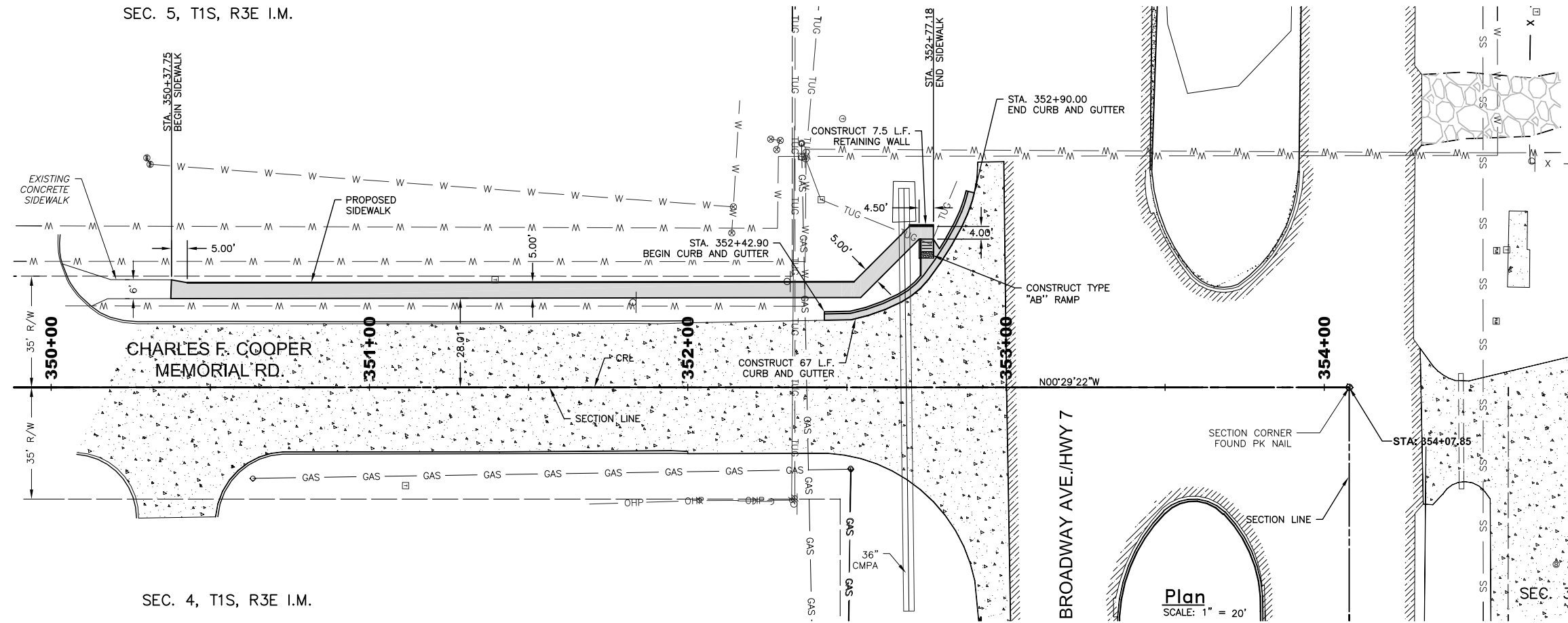
SHEET NO. 22 OF 34

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SEC. 5, T1S, R3E I.M.

REVISIONS		
REV. NO.	DESCRIPTION	DATE

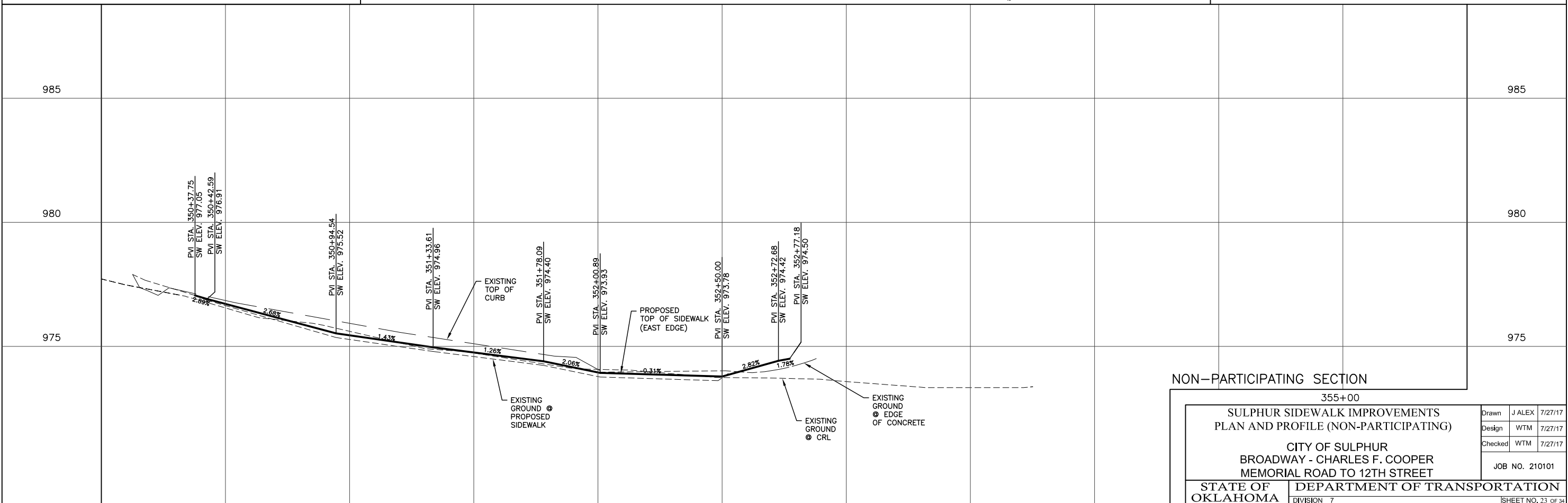
SEC. 32, T1N, R3E I.M.



SEC. 4, T1S, R3E I.M.

SEC. 33, T1N, R3E I.M.

LEGEND																																	
	EXIST. ASPHALT		EXIST. GRASS		EXIST. GRAVEL		EXIST. CONCRETE		CLEAN OUT		POWER POLE		GASOLINE FILL CAP		TELEPHONE PEDESTAL		DRAINAGE INLET		SIGN		GAS METER		VENT PIPE		FLAG POLE		LIGHT POLE		WATER VALVE		PROPOSED SIDEWALK		PROPOSED CONCRETE



NON-PARTICIPATING SECTION

355+00

SULPHUR SIDEWALK IMPROVEMENTS
PLAN AND PROFILE (NON-PARTICIPATING)

CITY OF SULPHUR
BROADWAY - CHARLES F. COOPER
MEMORIAL ROAD TO 12TH STREET

Drawn	J ALEX	7/27/17
Design	WTM	7/27/17
Checked	WTM	7/27/17

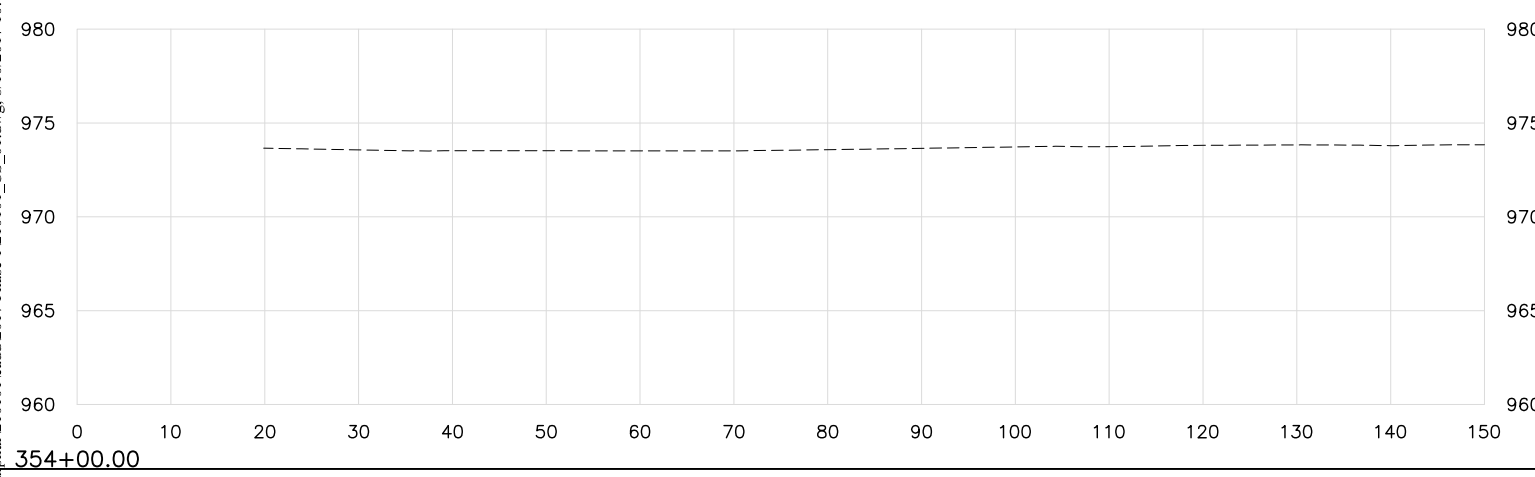
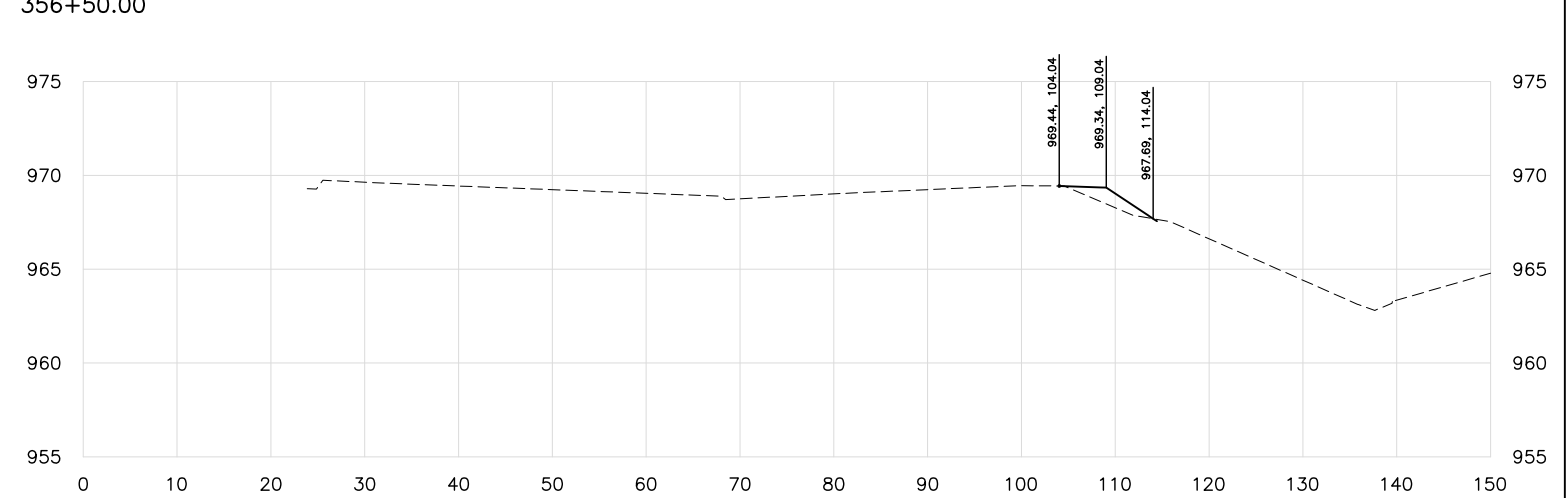
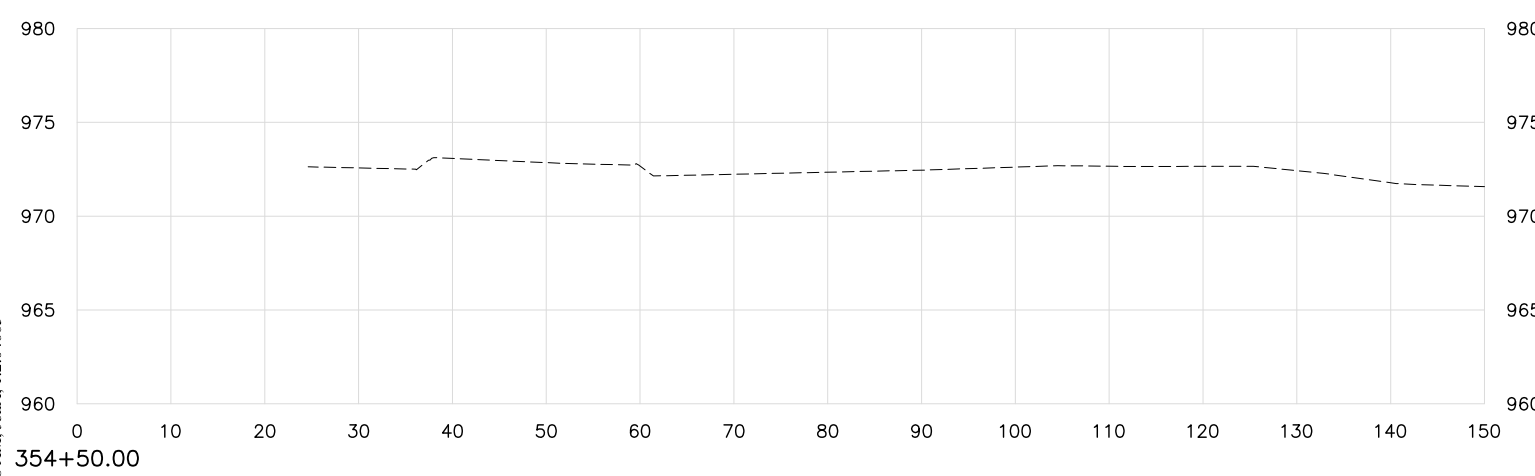
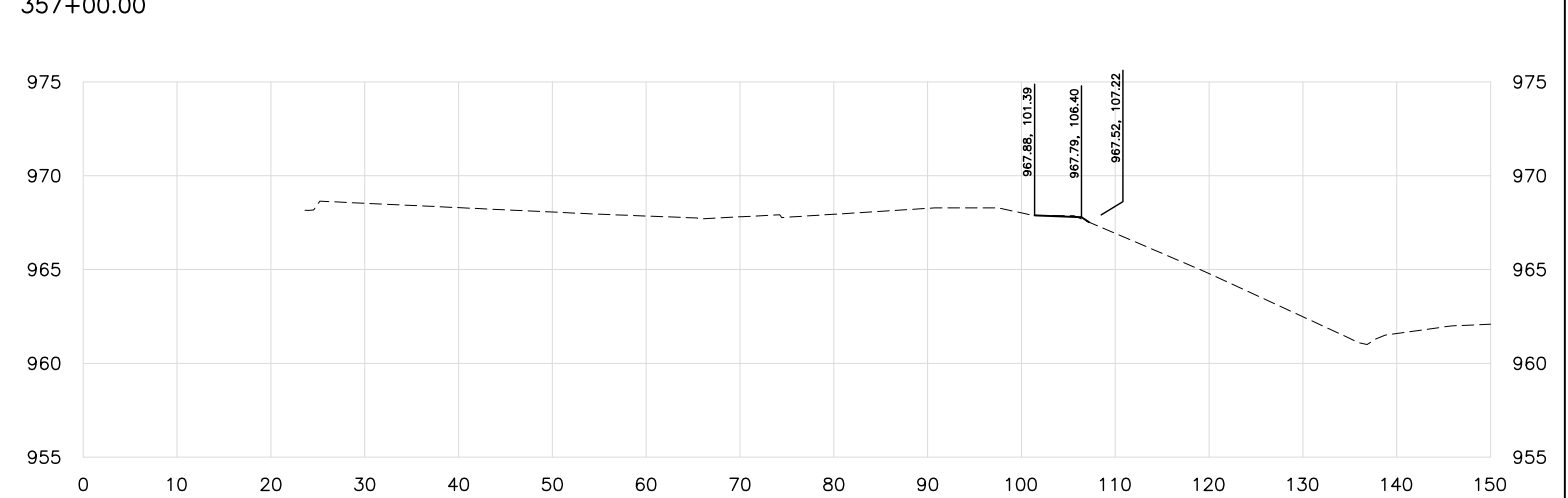
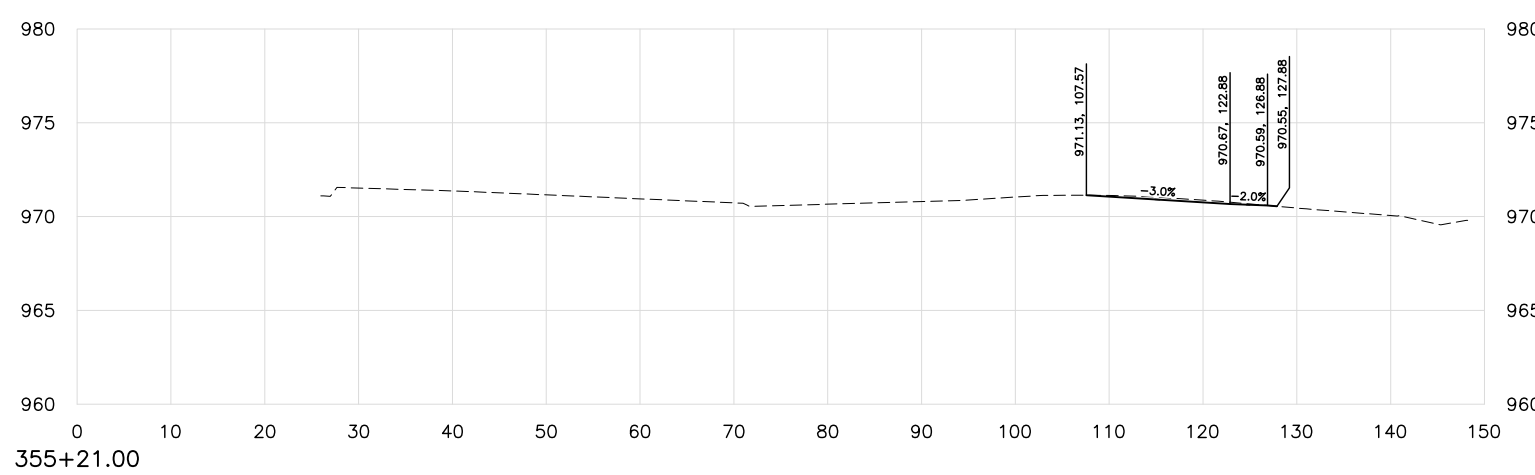
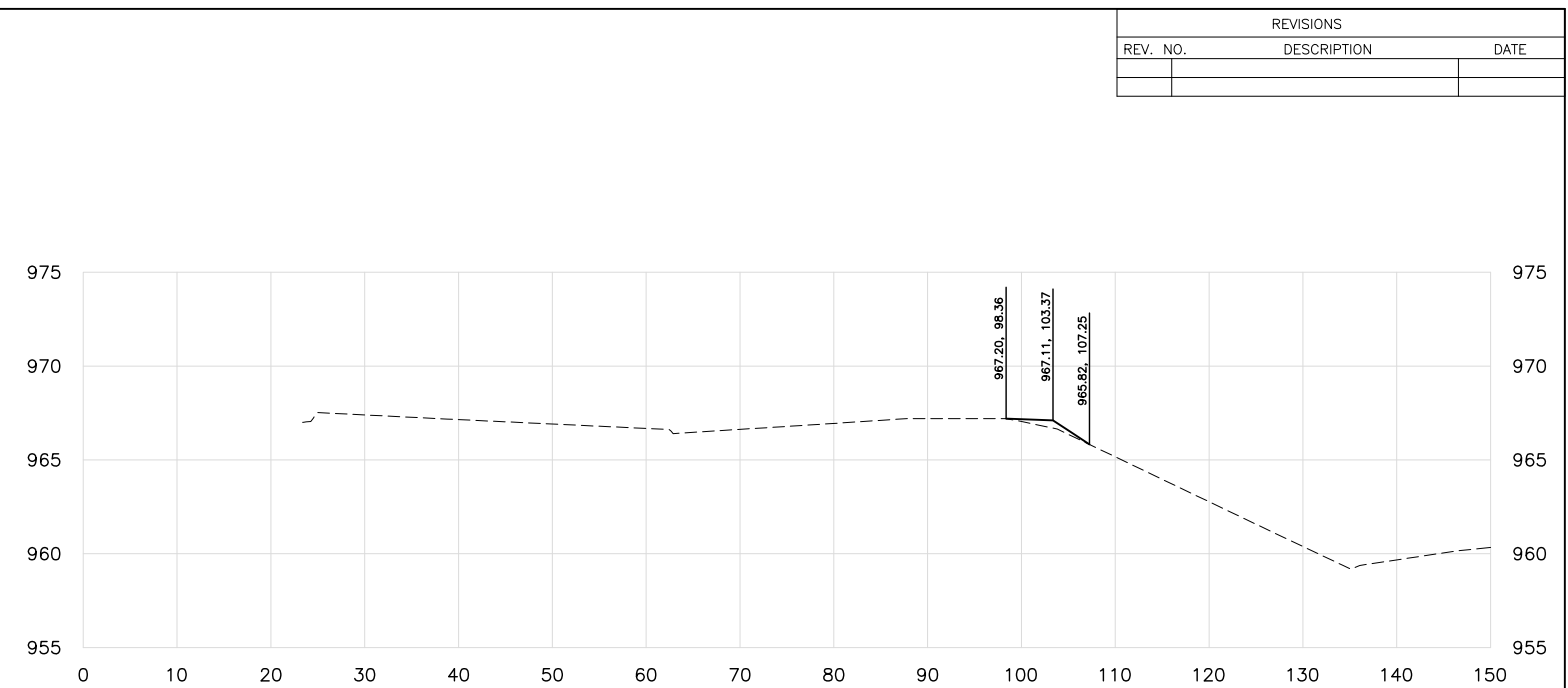
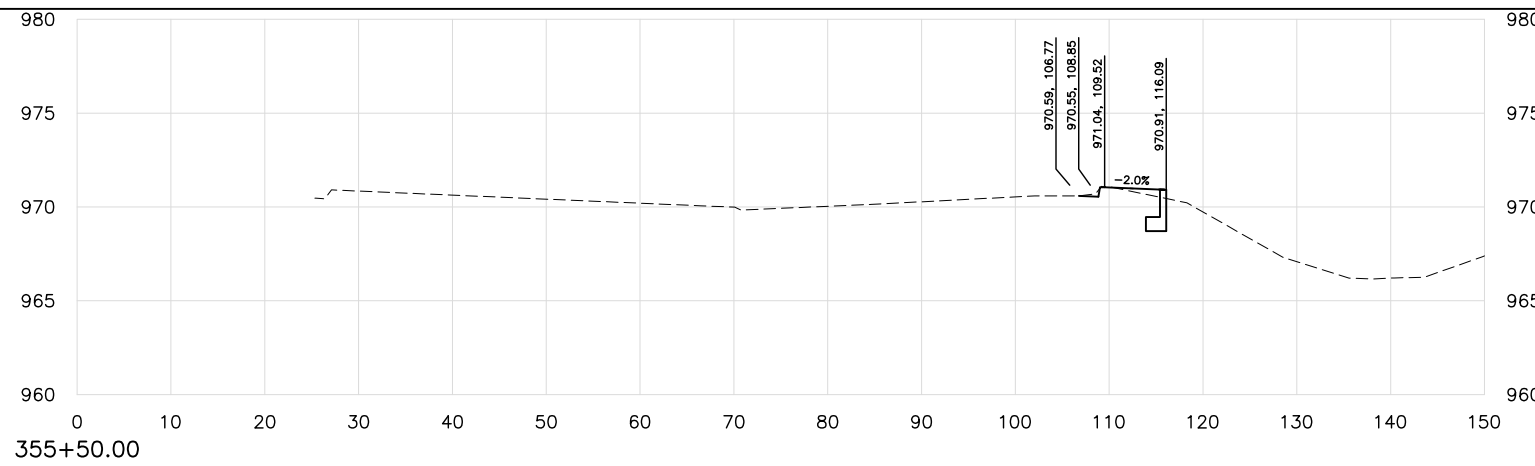
JOB NO. 210101

STATE OF OKLAHOMA DEPARTMENT OF TRANSPORTATION
DIVISION 7

SHEET NO. 23 OF 34

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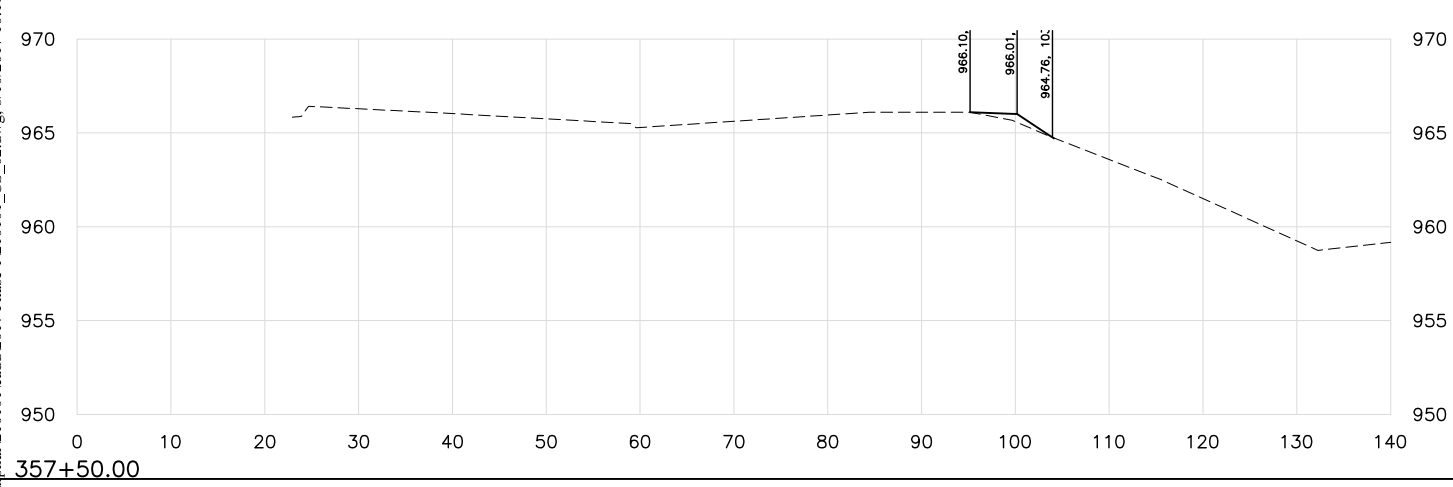
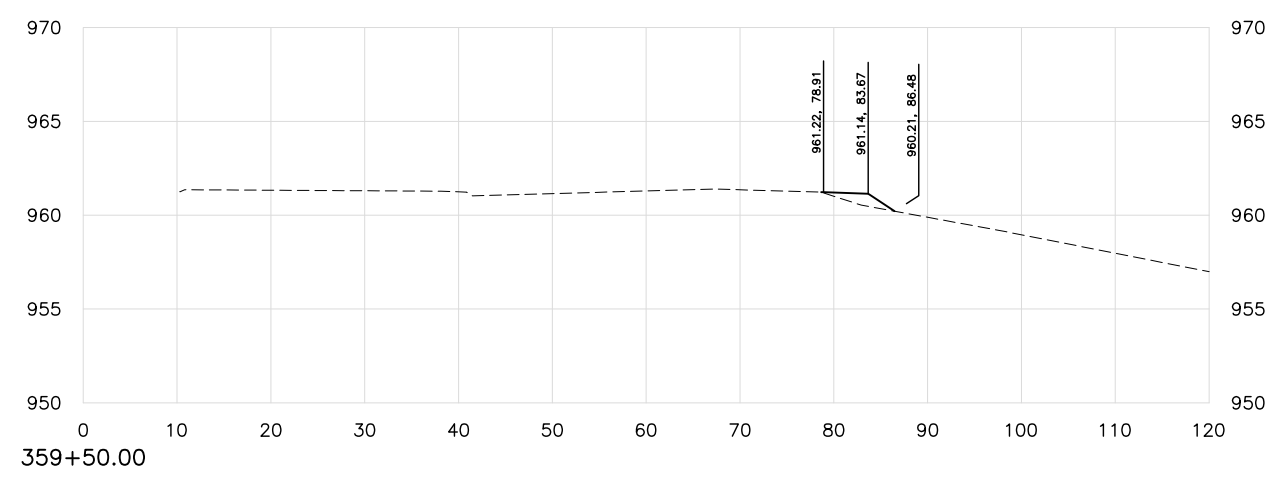
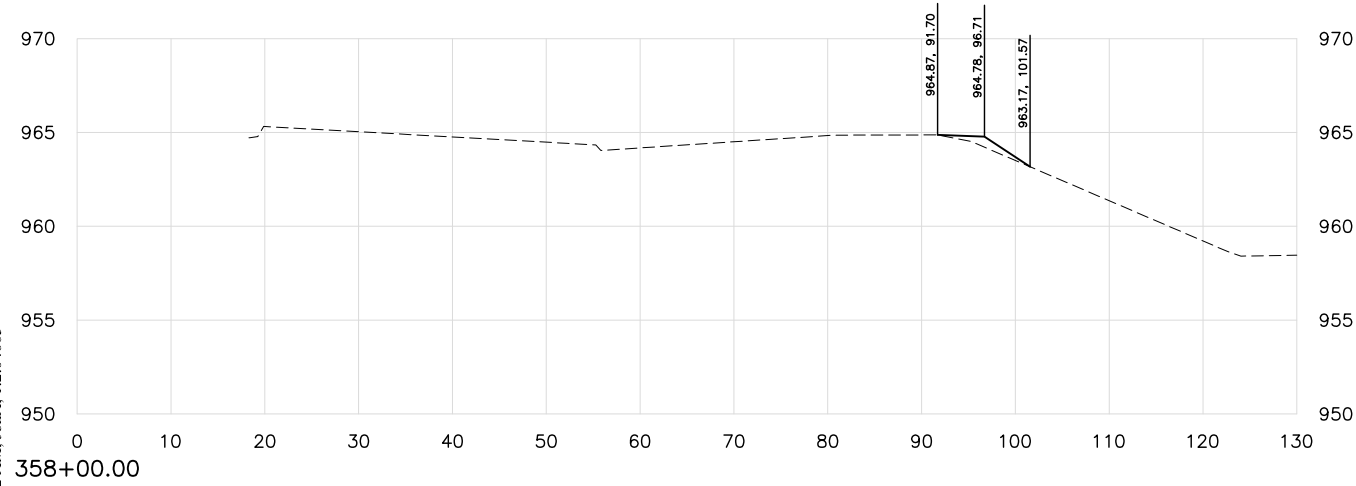
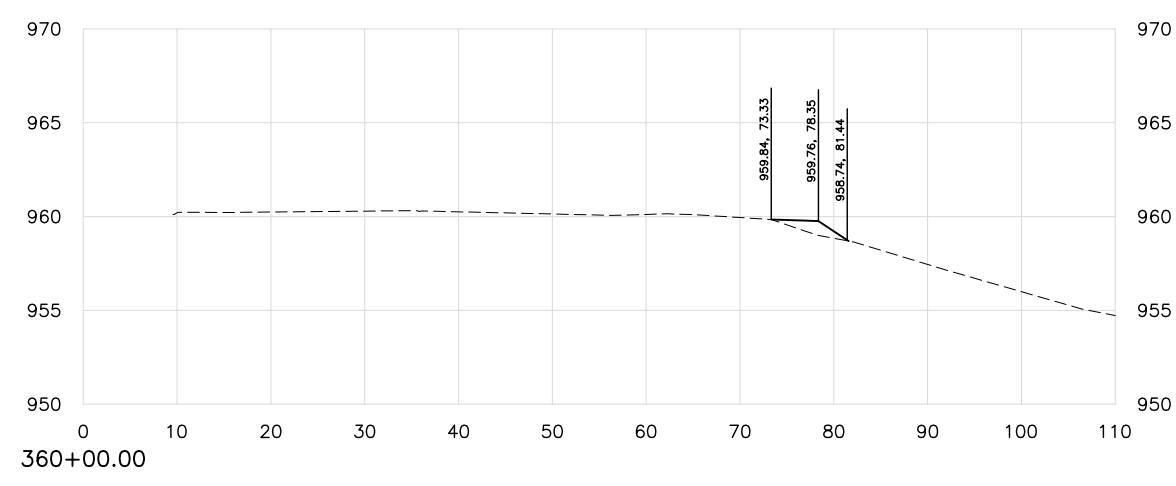
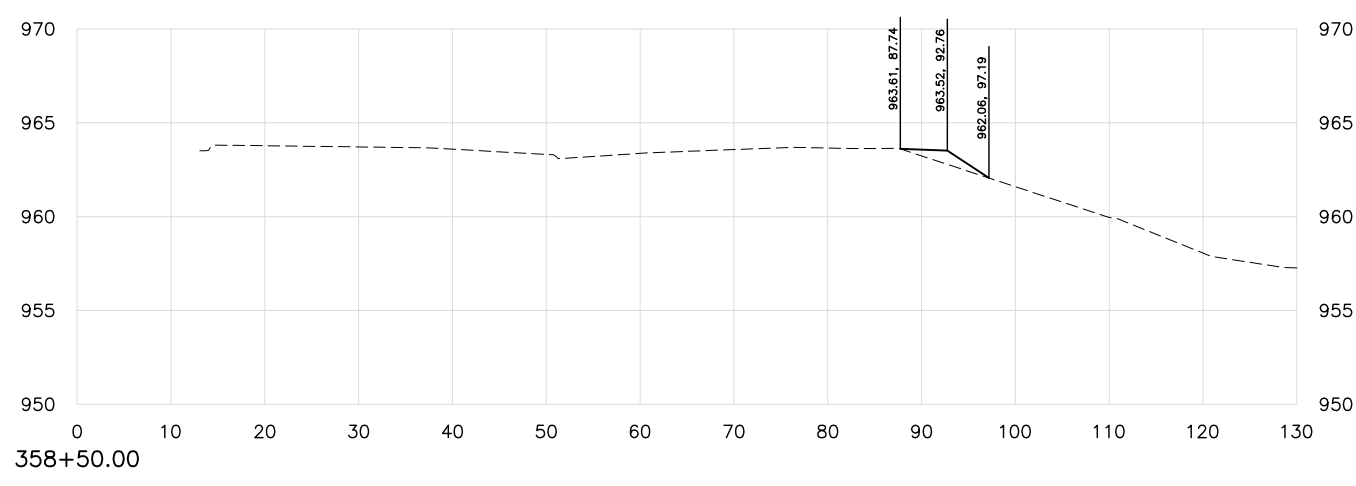
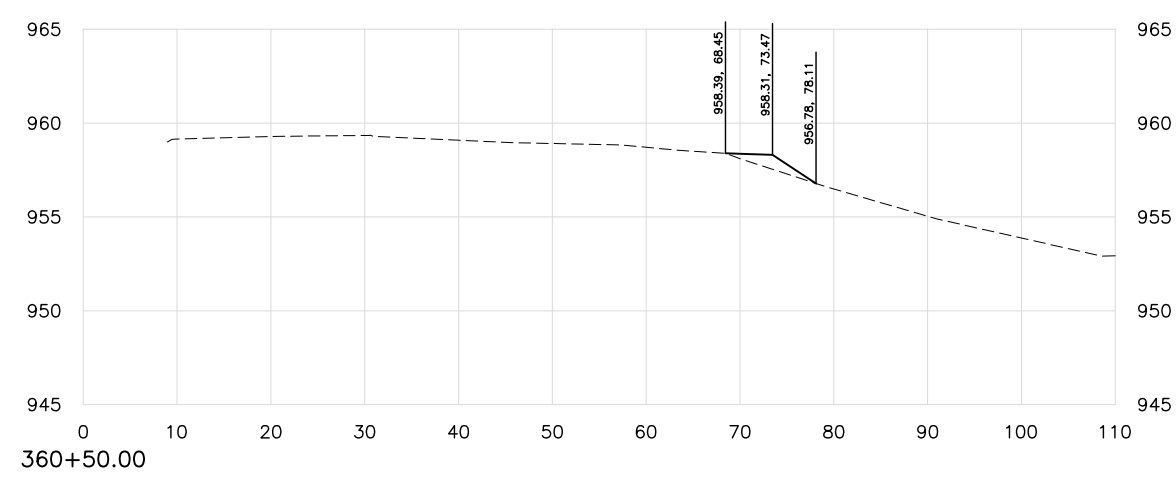
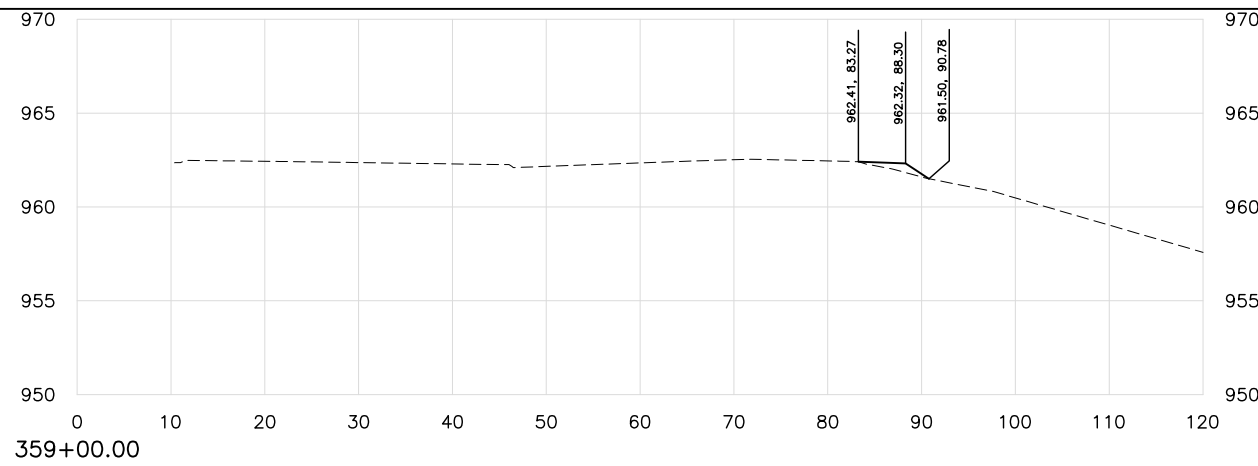
REVISIONS		
REV. NO.	DESCRIPTION	DATE



SULPHUR SIDEWALK IMPROVEMENTS CROSS SECTIONS STA. 354+00 TO 357+00 CITY OF SULPHUR BROADWAY - CHARLES F. COOPER MEMORIAL ROAD TO 18TH STREET			Drawn J ALEX 7/27/17 Design WTM 7/27/17 Checked WTM 7/27/17
STATE OF OKLAHOMA		DEPARTMENT OF TRANSPORTATION DIVISION 7	
		JOB NO. 210101 SHEET NO. 24 OF 34	

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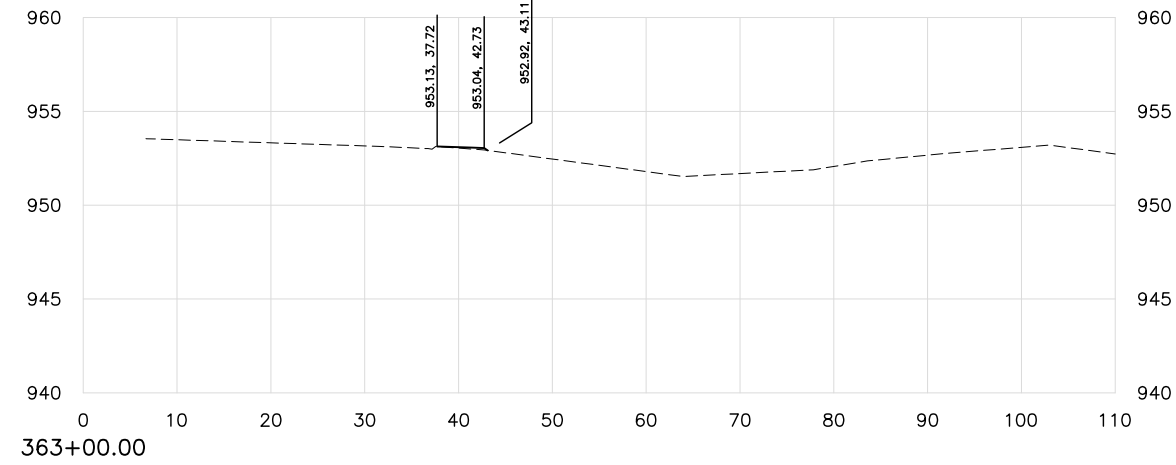
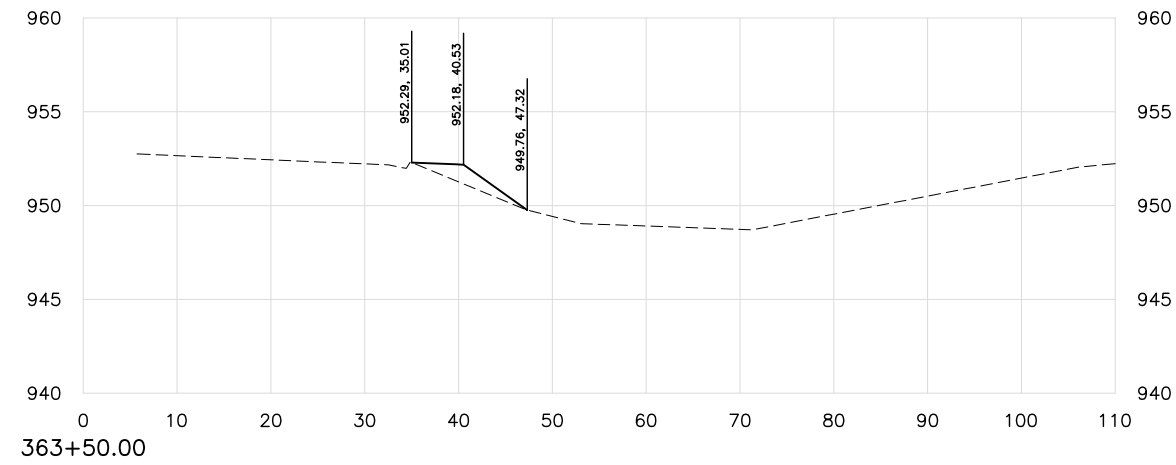
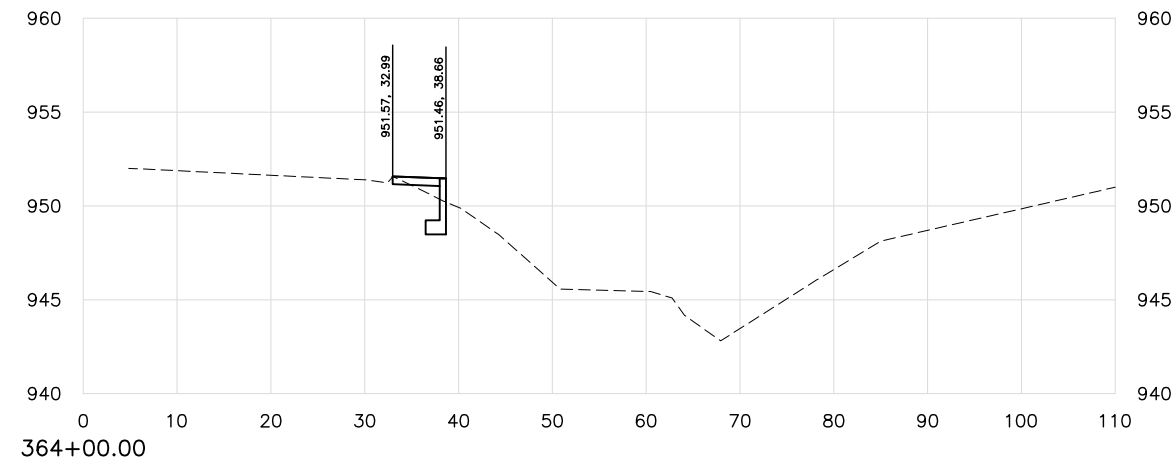
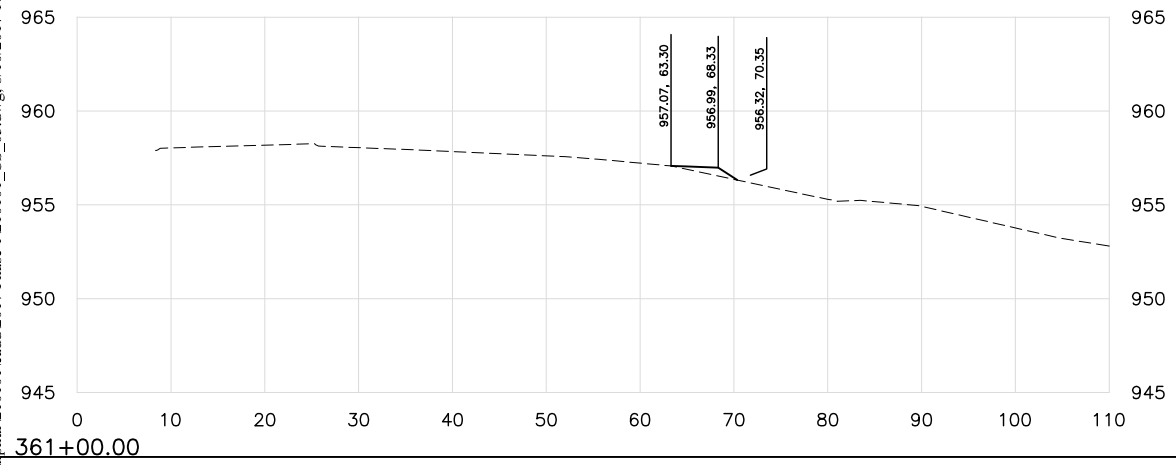
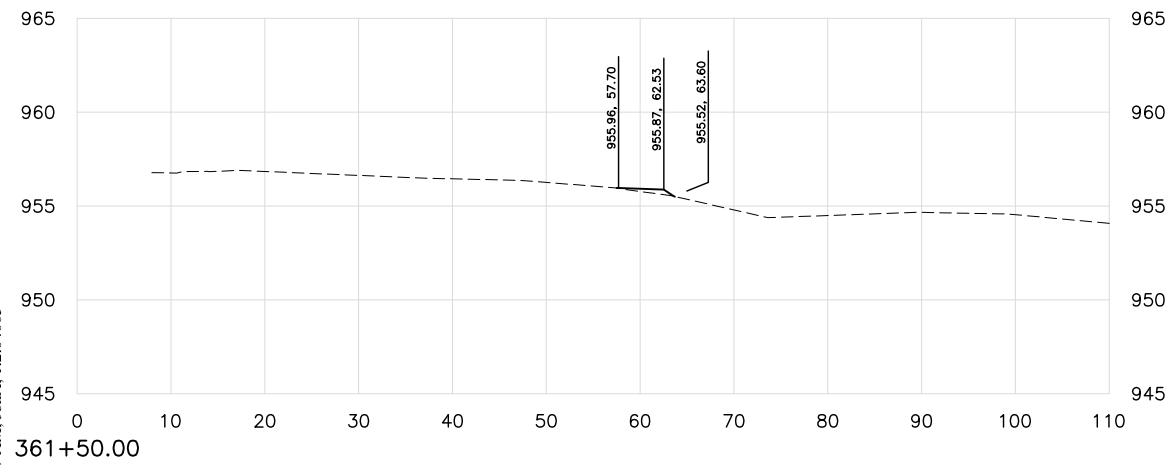
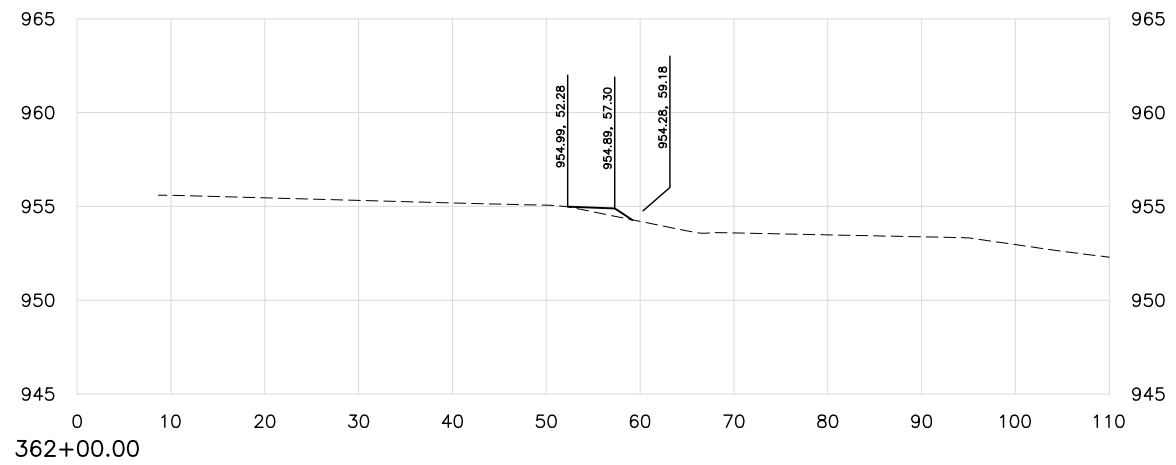
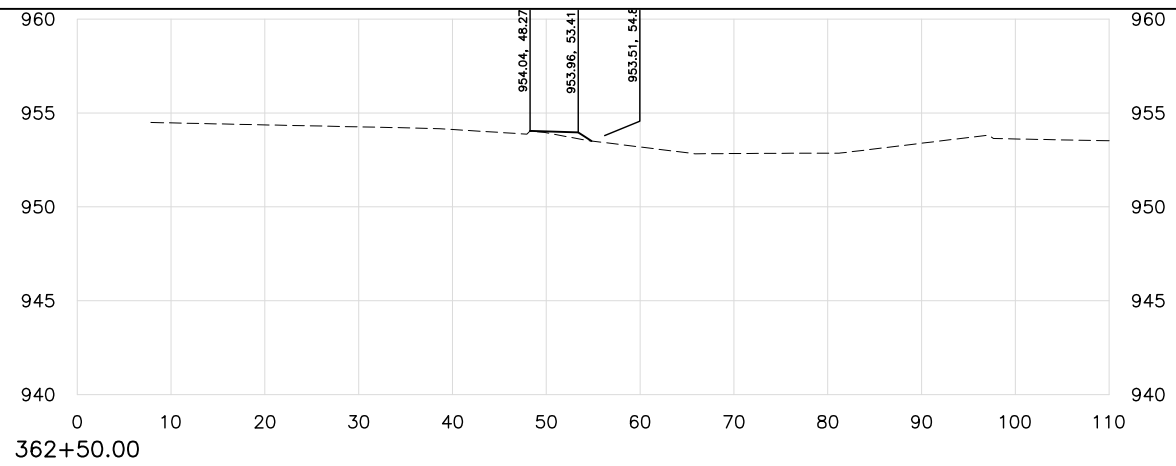
REVISIONS		
REV. NO.	DESCRIPTION	DATE



SULPHUR SIDEWALK IMPROVEMENTS CROSS SECTIONS STA. 357+50 TO 360+50 CITY OF SULPHUR BROADWAY - CHARLES F. COOPER MEMORIAL ROAD TO 18TH STREET			Drawn J ALEX 7/27/17 Design WTM 7/27/17 Checked WTM 7/27/17
STATE OF OKLAHOMA			DEPARTMENT OF TRANSPORTATION DIVISION 7
JOB NO. 210101			SHEET NO. 25 OF 34

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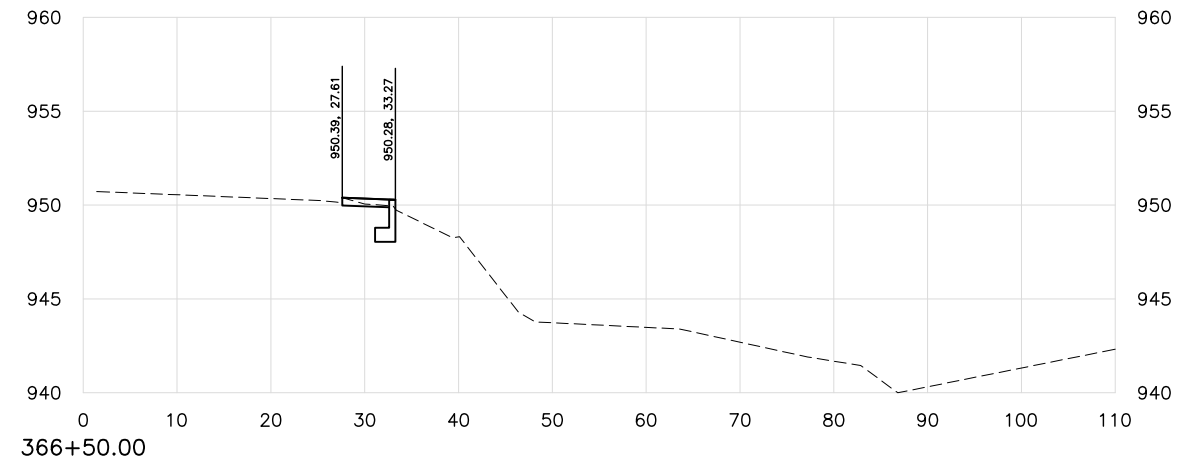
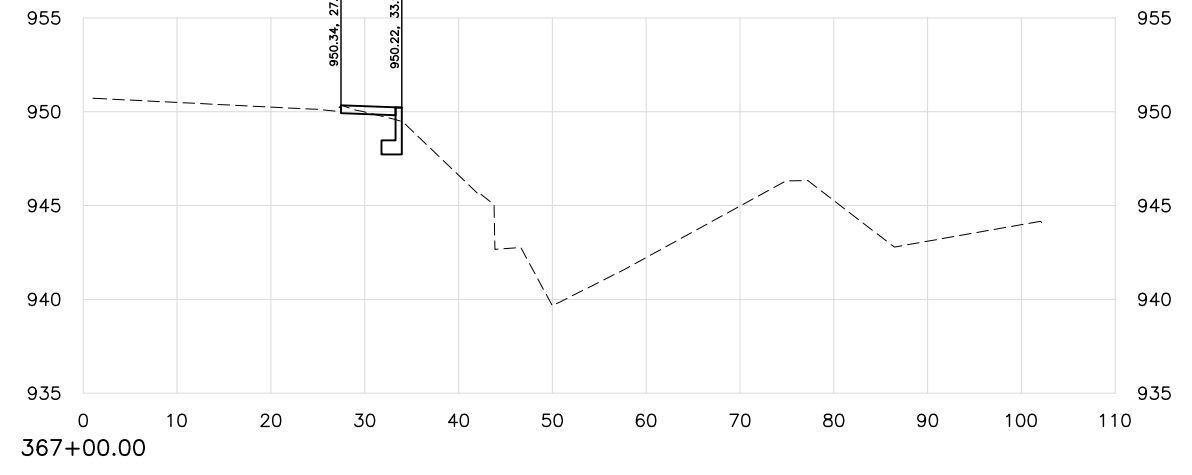
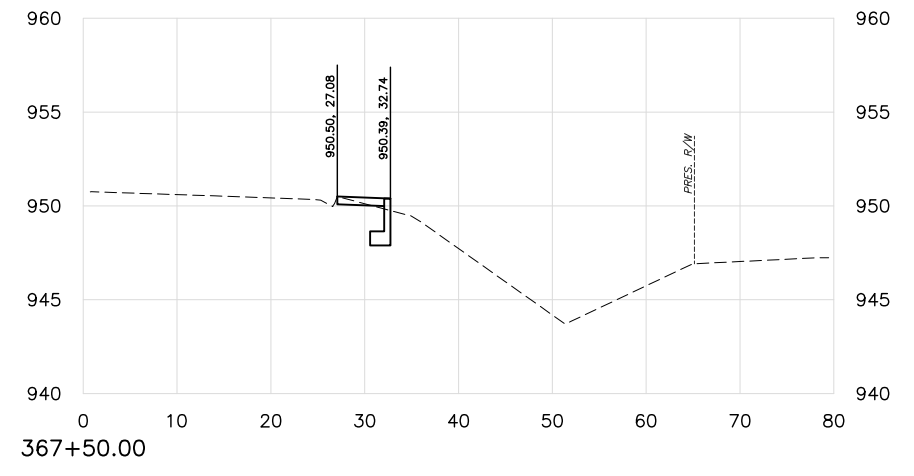
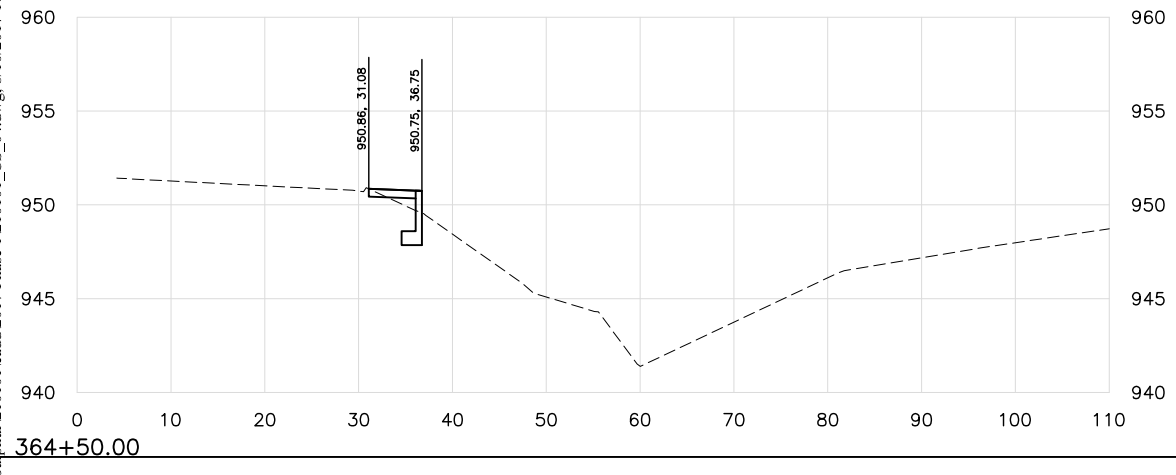
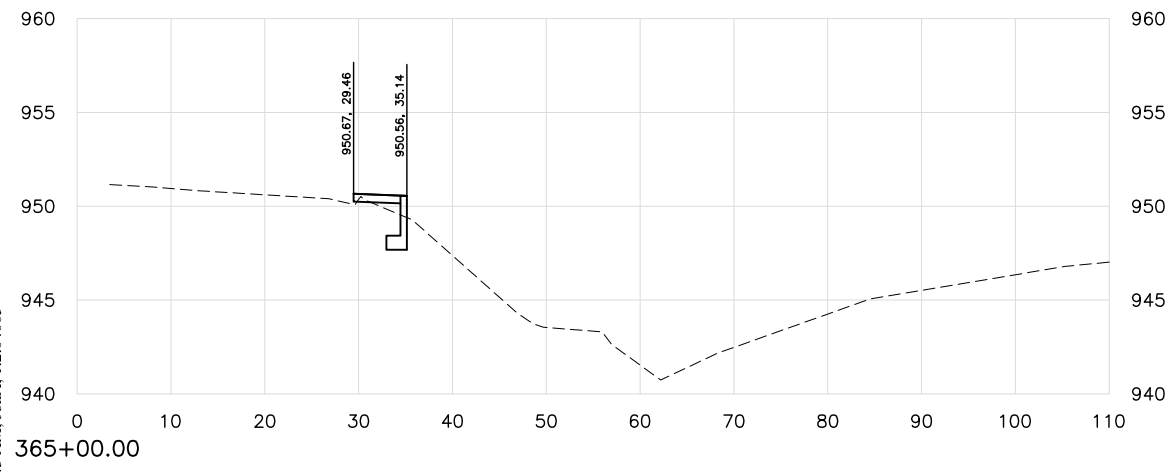
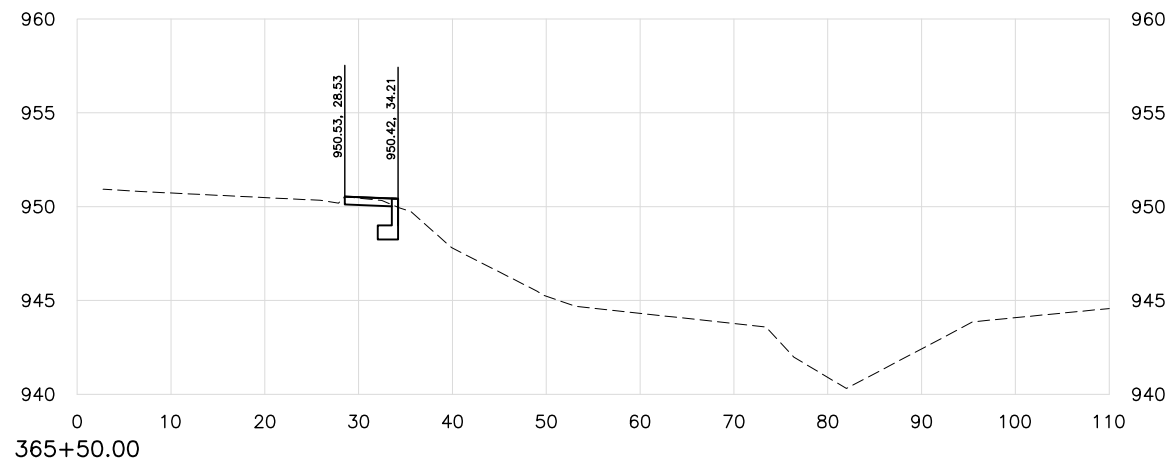
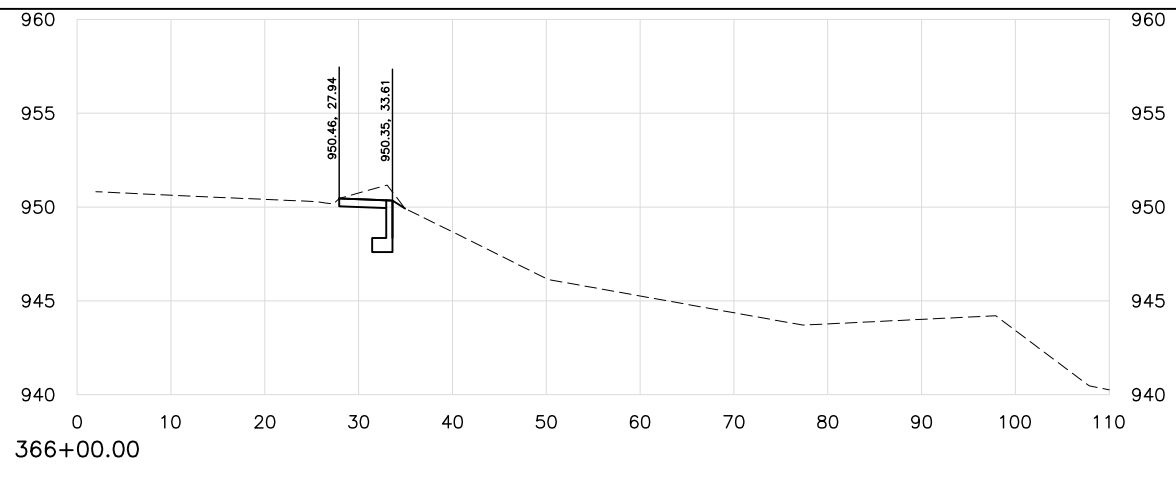
REVISIONS		
REV. NO.	DESCRIPTION	DATE



SULPHUR SIDEWALK IMPROVEMENTS CROSS SECTIONS STA. 361+00 TO 364+00		
CITY OF SULPHUR BROADWAY - CHARLES F. COOPER MEMORIAL ROAD TO 18TH STREET		
Drawn	J ALEX	7/27/17
Design	WTM	7/27/17
Checked	WTM	7/27/17
JOB NO. 210101		
STATE OF OKLAHOMA	DEPARTMENT OF TRANSPORTATION	
	DIVISION 7	SHEET NO. 26 OF 34

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REVISIONS		
REV. NO.	DESCRIPTION	DATE

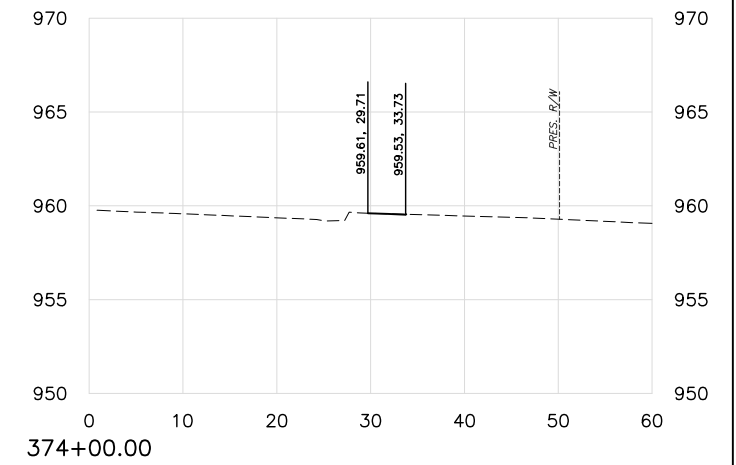
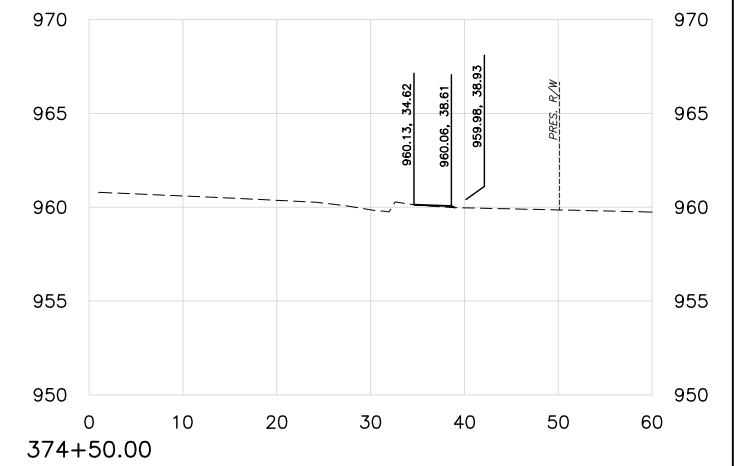
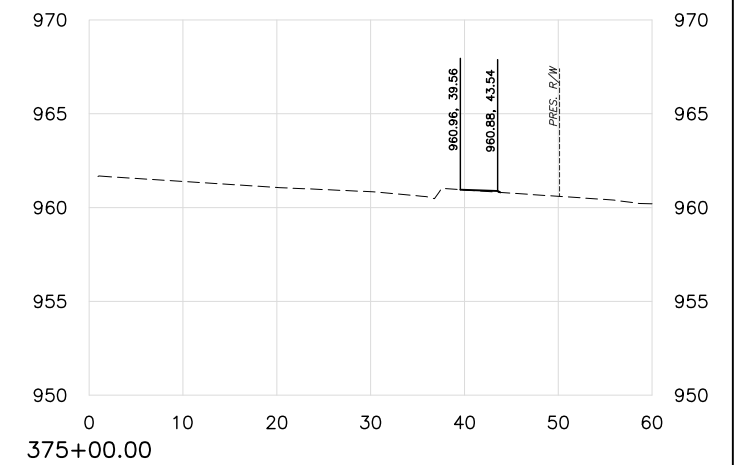
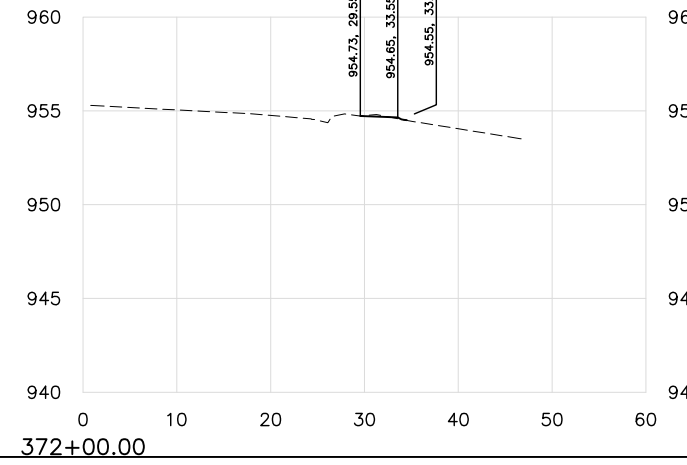
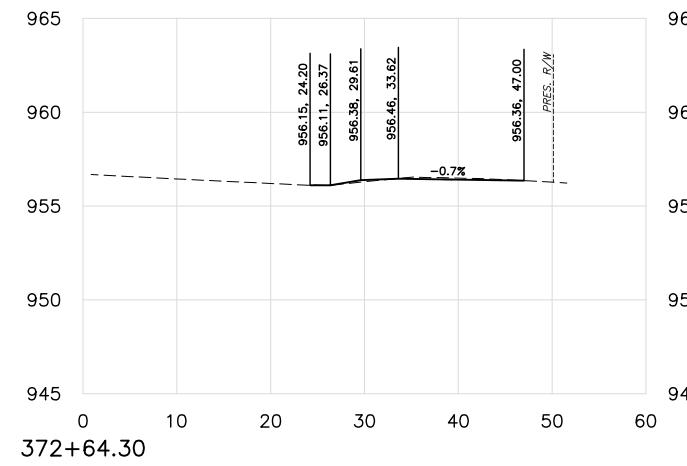
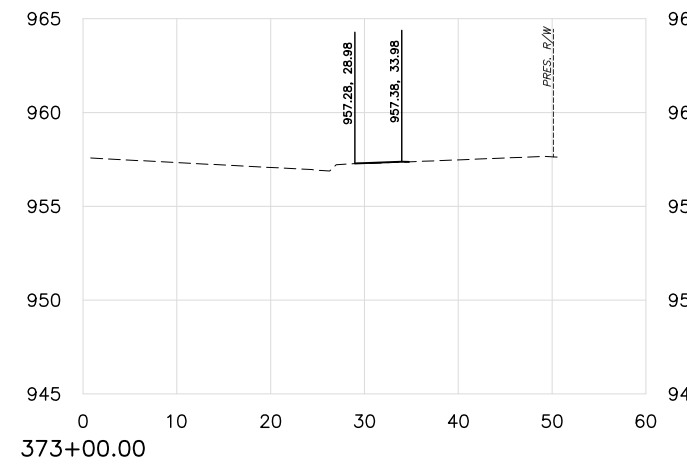
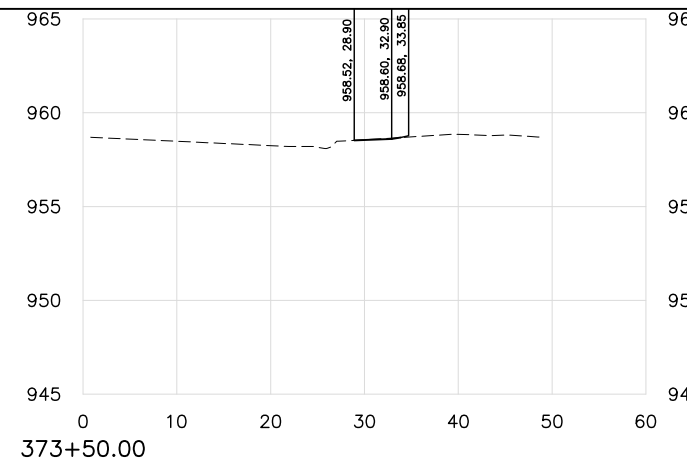
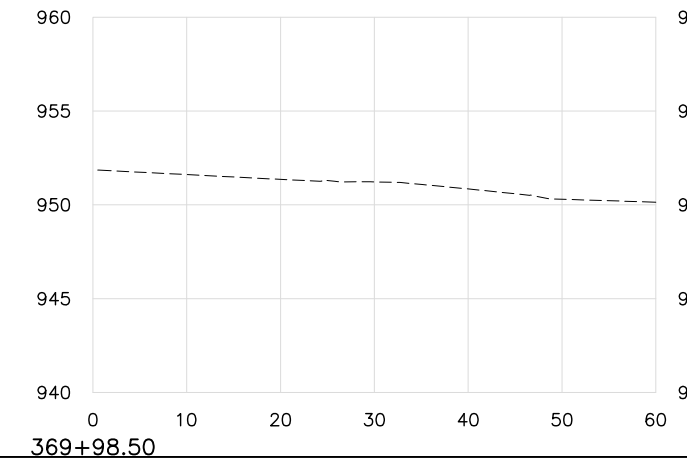
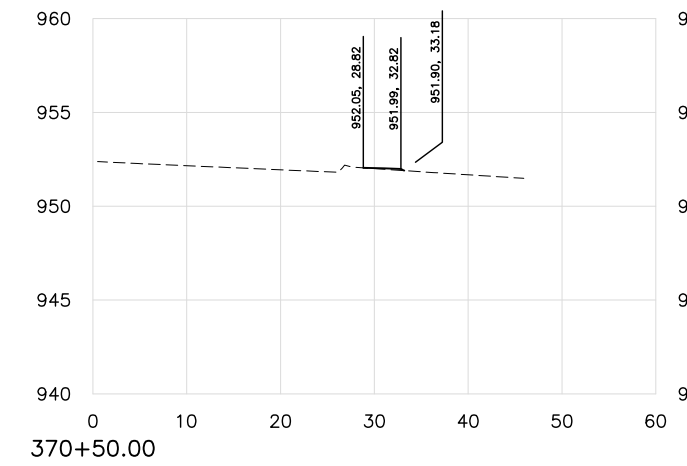
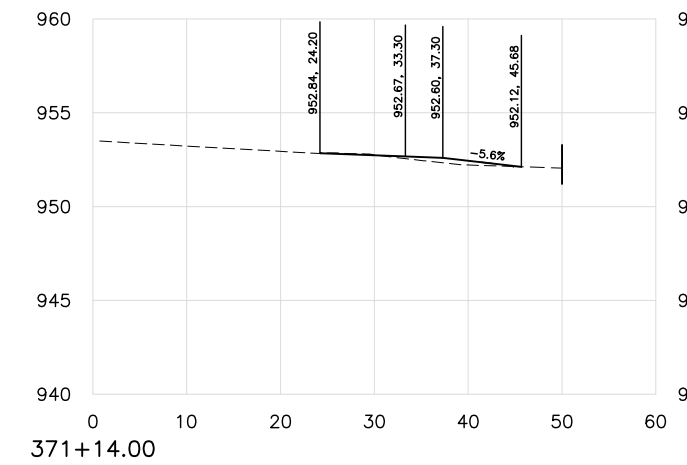
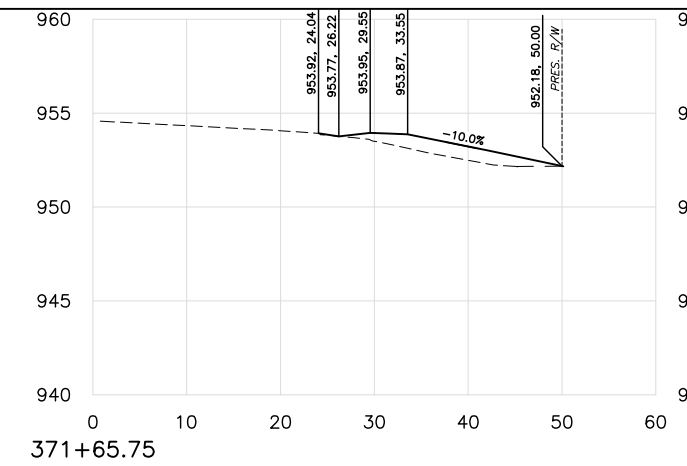
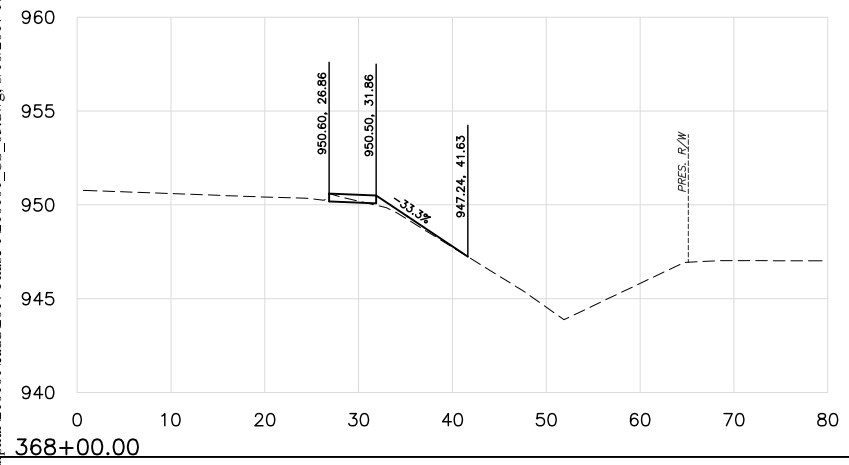
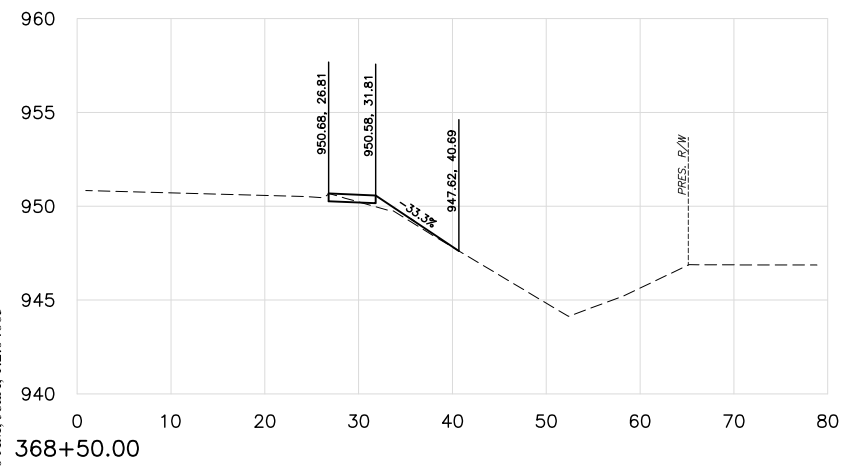
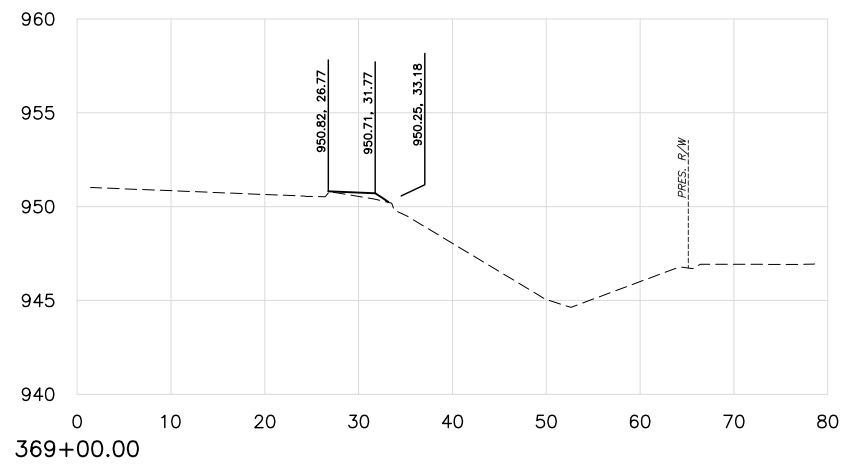
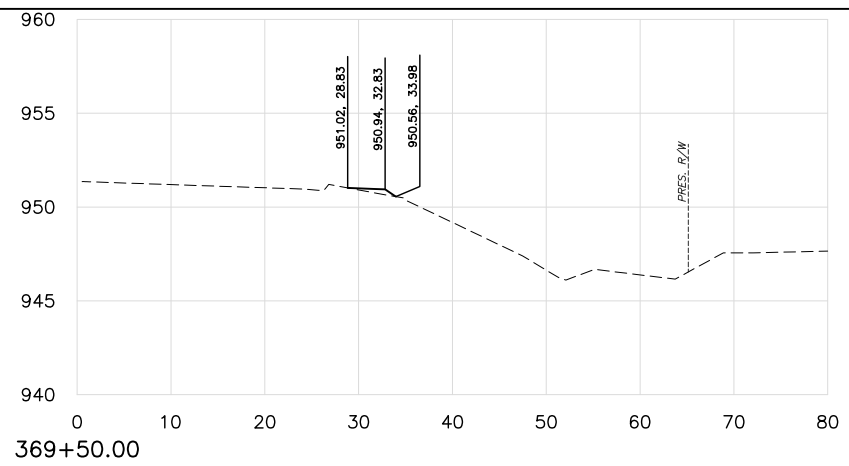


SULPHUR SIDEWALK IMPROVEMENTS CROSS SECTIONS STA. 364+50 TO 367+50		
CITY OF SULPHUR BROADWAY - CHARLES F. COOPER MEMORIAL ROAD TO 18TH STREET		
Drawn: J ALEX Design: WTM Checked: WTM	7/27/17 7/27/17 7/27/17	JOB NO. 210101 STATE OF OKLAHOMA DEPARTMENT OF TRANSPORTATION DIVISION 7
		SHEET NO. 27 OF 34

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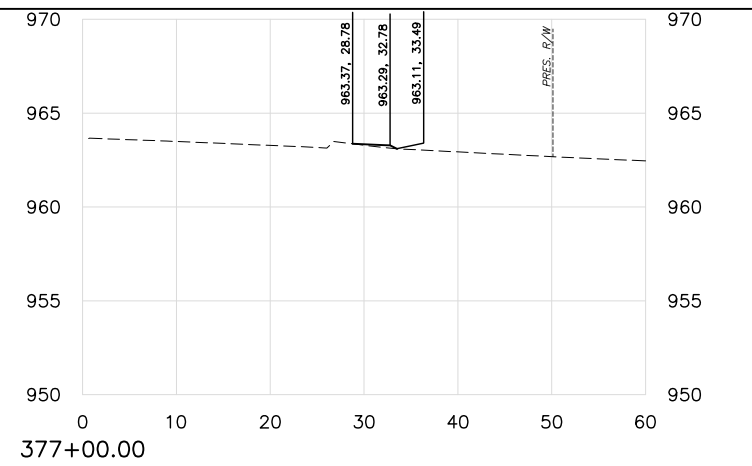
REVISIONS		
REV. NO.	DESCRIPTION	DATE



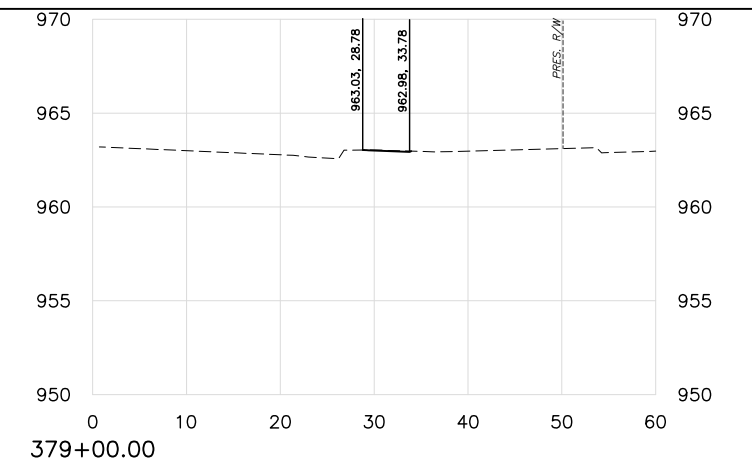
SULPHUR SIDEWALK IMPROVEMENTS CROSS SECTIONS STA. 368+00 TO 375+00		Drawn	J ALEX	7/27/17
		Design	WTM	7/27/17
CITY OF SULPHUR BROADWAY - CHARLES F. COOPER MEMORIAL ROAD TO 18TH STREET		Checked	WTM	7/27/17
		JOB NO. 210101		
STATE OF OKLAHOMA	DEPARTMENT OF TRANSPORTATION		DIVISION 7	
		SHEET NO. 28 OF 34		

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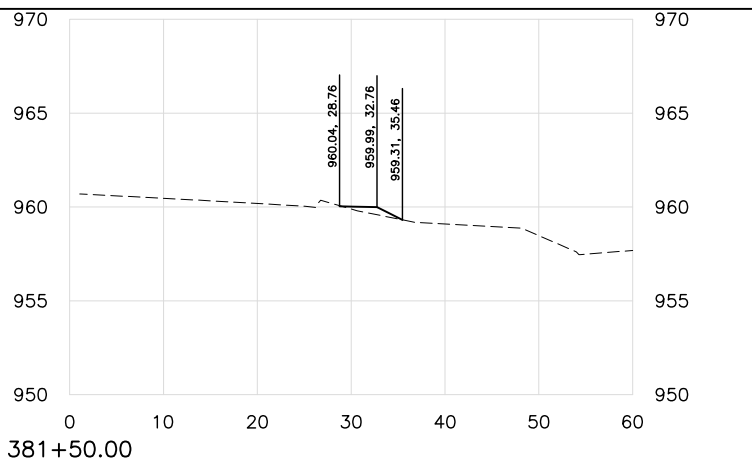
REVISIONS		
REV. NO.	DESCRIPTION	DATE



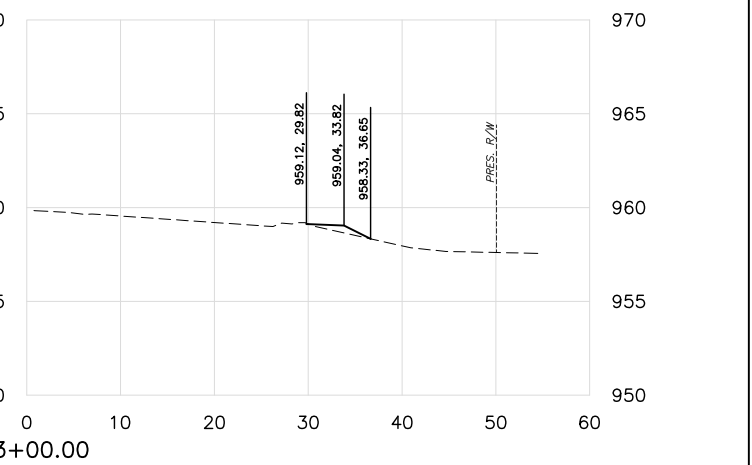
377+00.00



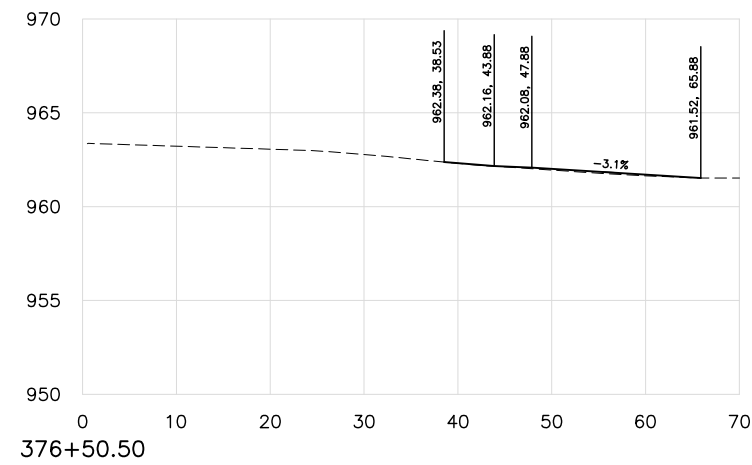
379+00.00



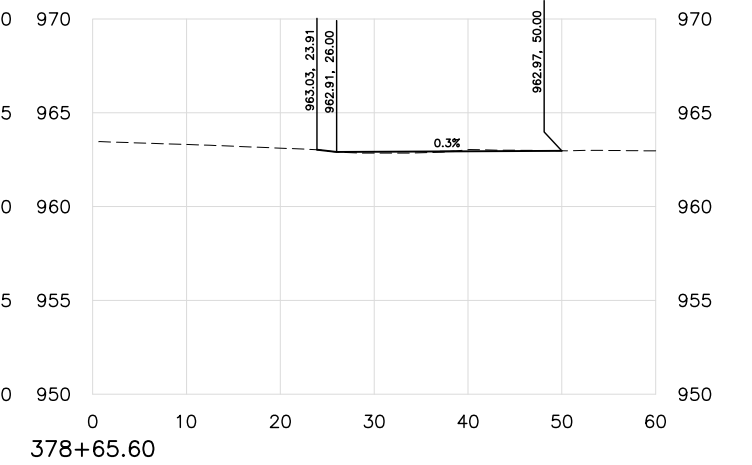
381+50.00



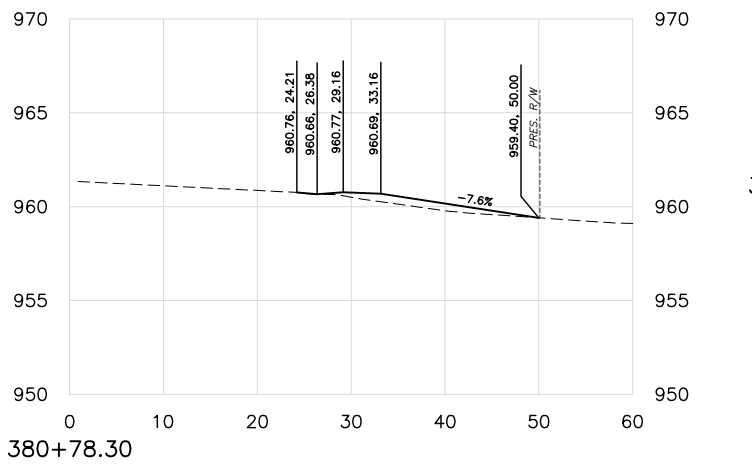
383+00.00



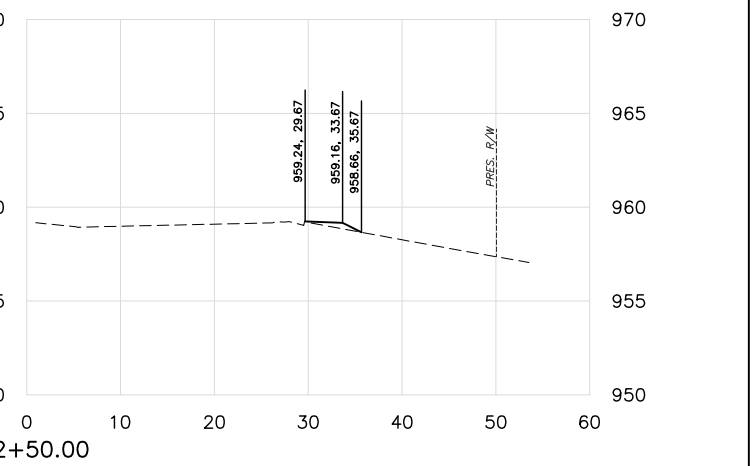
376+50.50



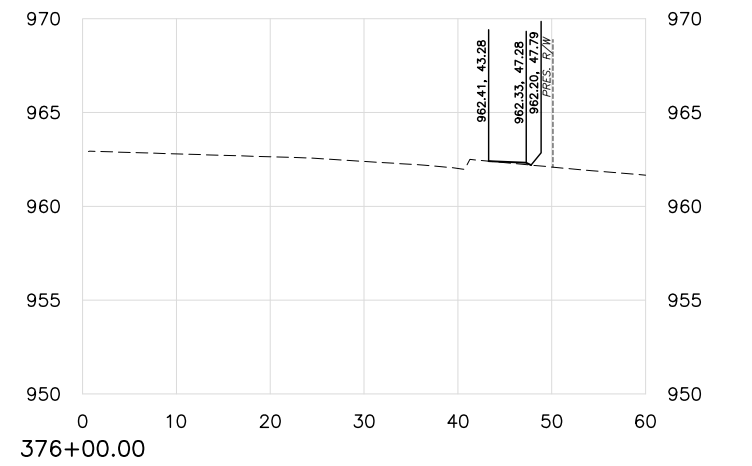
378+65.60



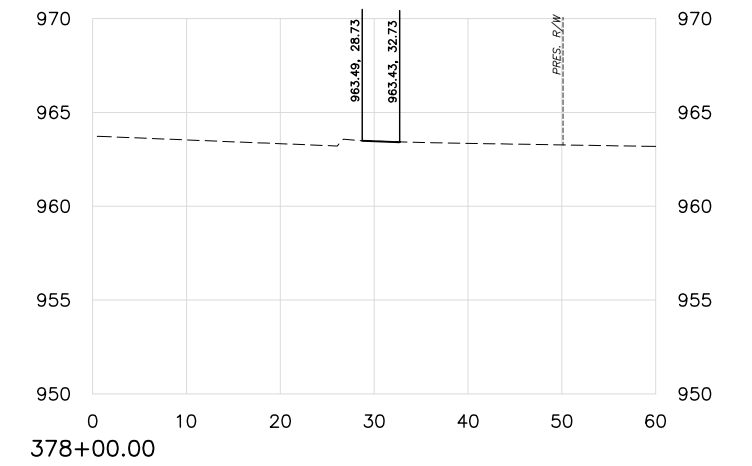
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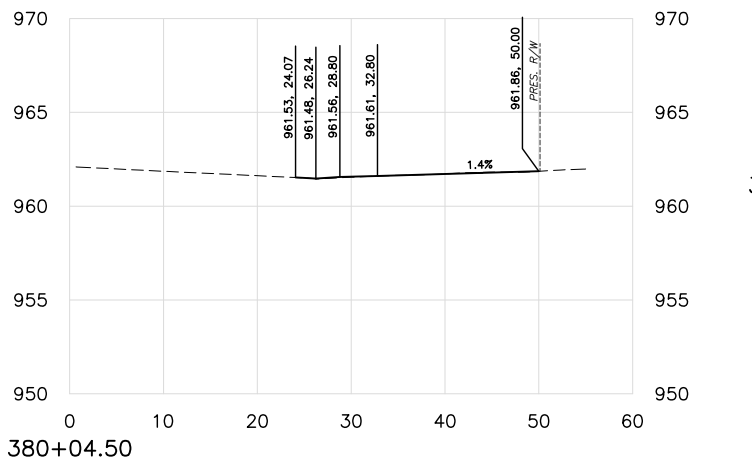
382+50.00



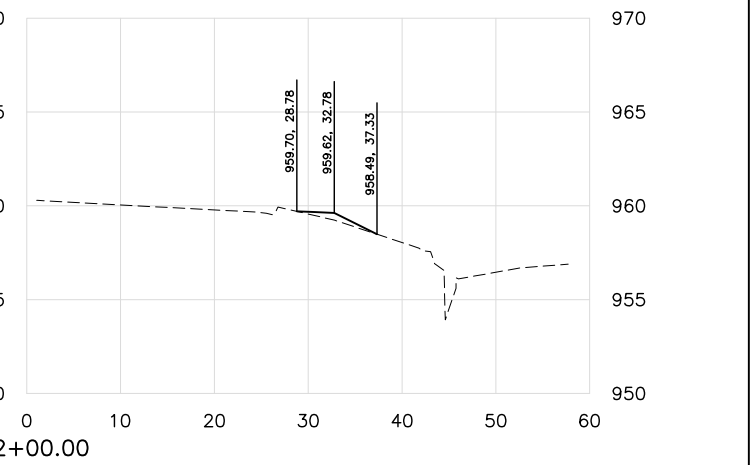
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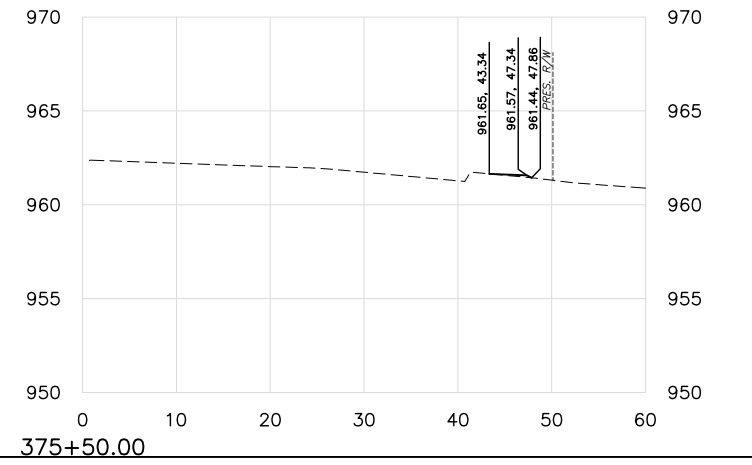
378+00.00



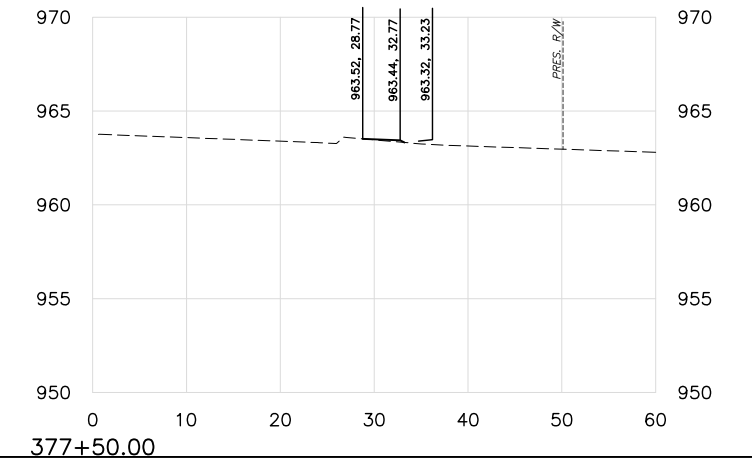
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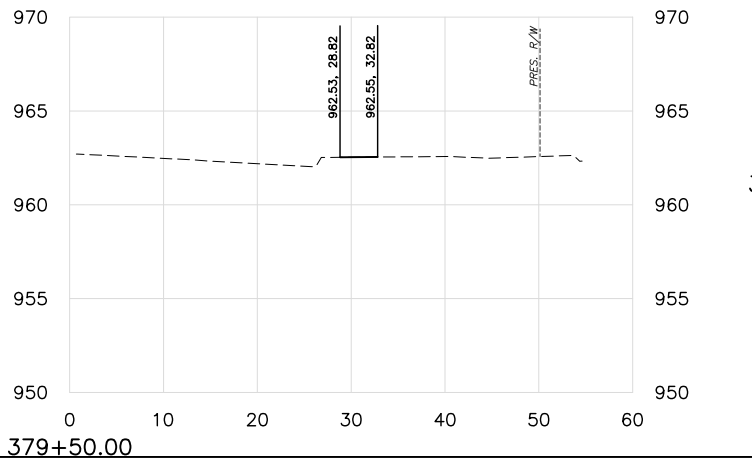
382+00.00



375+50.00



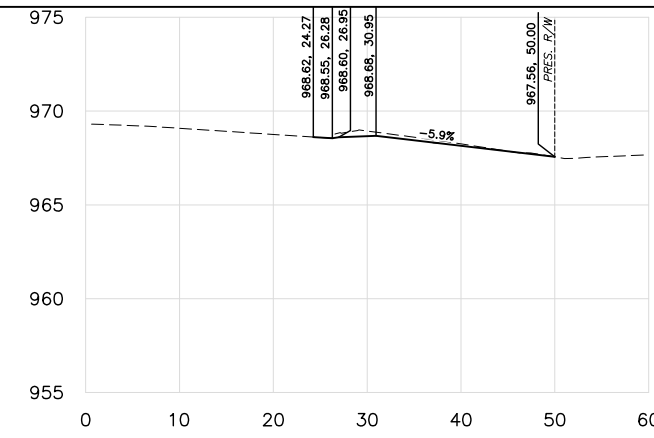
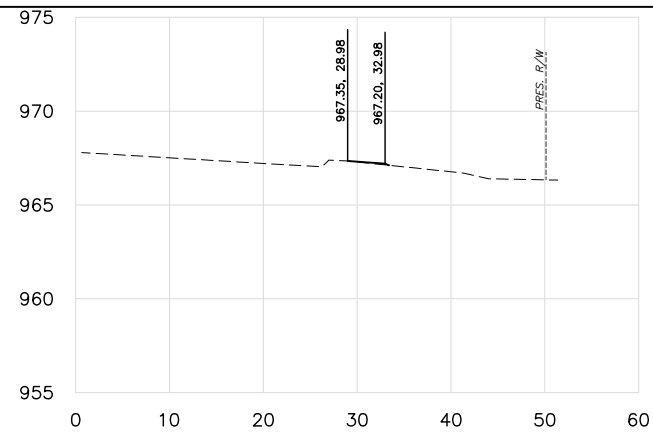
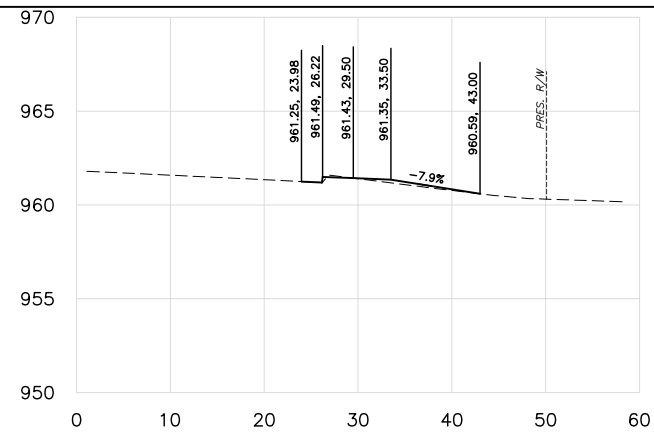
377+50.00



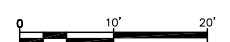
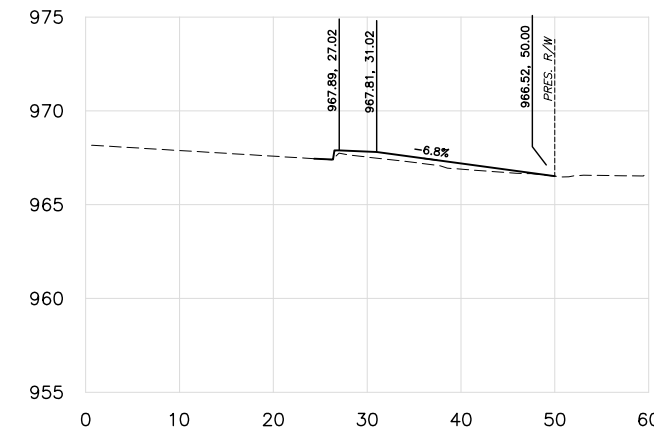
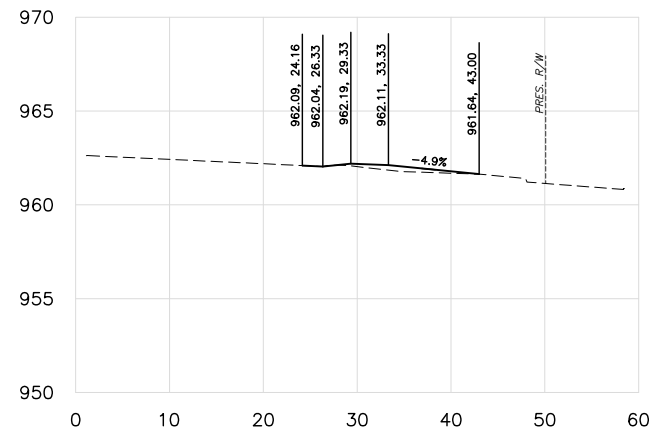
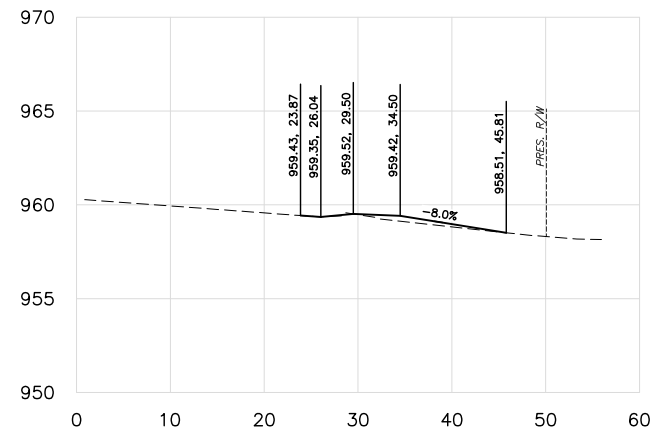
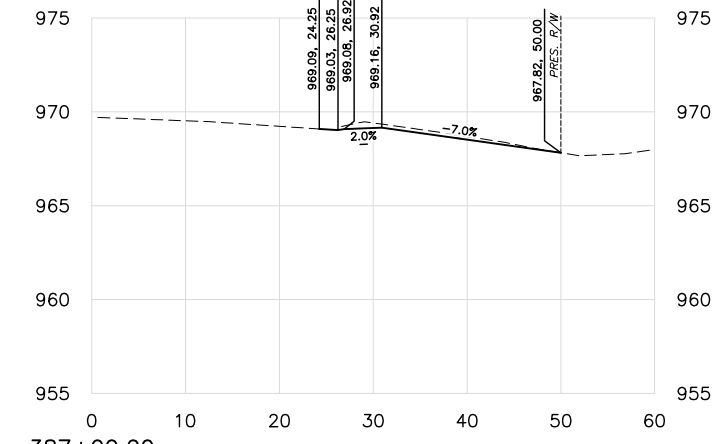
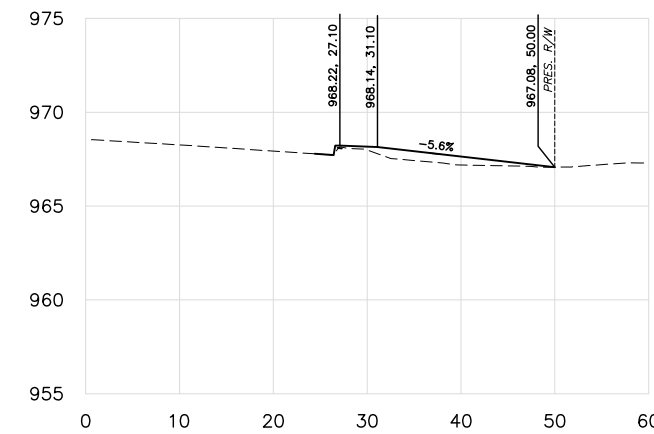
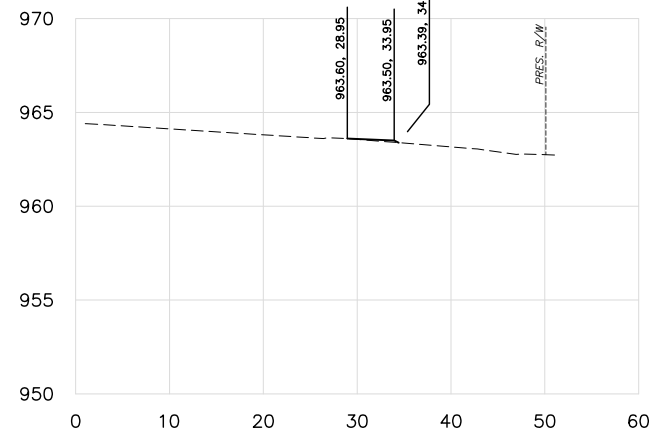
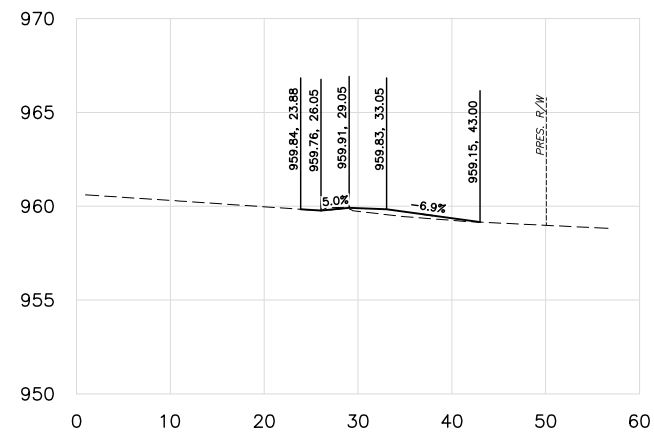
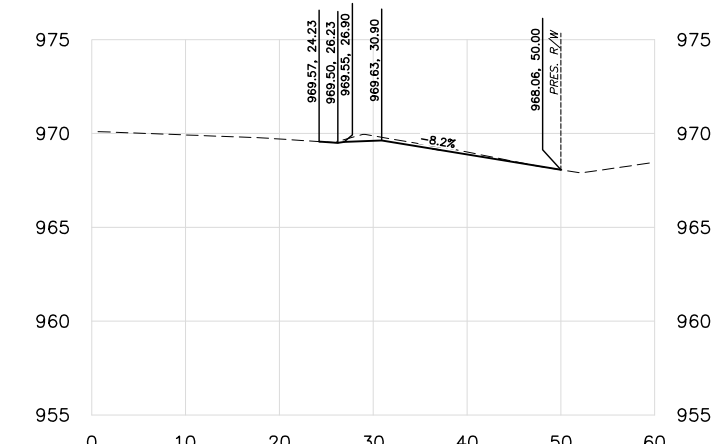
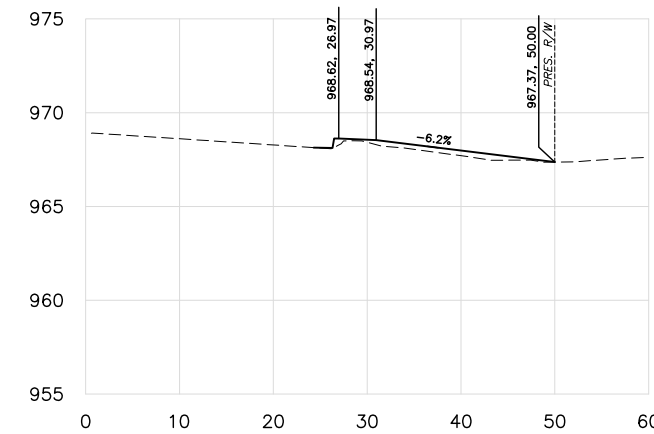
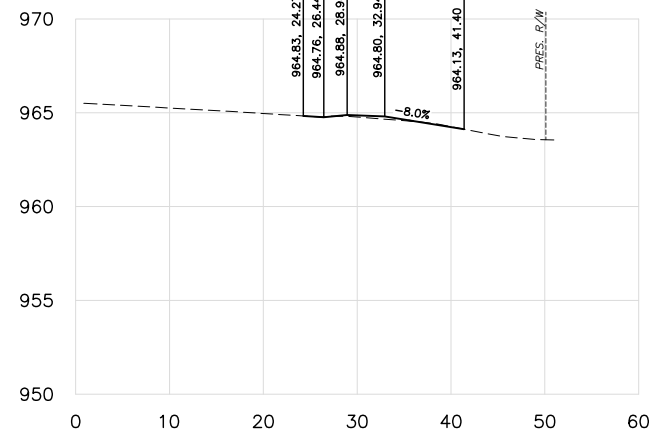
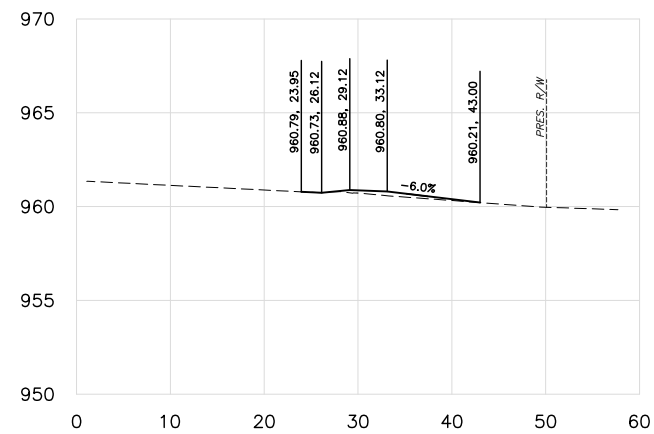
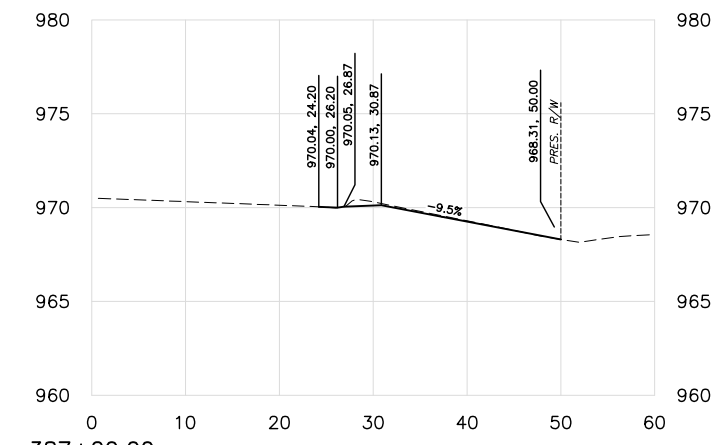
379+50.00



SULPHUR SIDEWALK IMPROVEMENTS CROSS SECTIONS STA. 375+50 TO 383+00 CITY OF SULPHUR BROADWAY - CHARLES F. COOPER MEMORIAL ROAD TO 18TH STREET			Drawn J ALEX 7/27/17 Design WTM 7/27/17 Checked WTM 7/27/17
STATE OF OKLAHOMA		DEPARTMENT OF TRANSPORTATION DIVISION 7	
		JOB NO. 210101 SHEET NO. 29 OF 34	



REVISIONS		
REV. NO.	DESCRIPTION	DATE



ADD ALTERNATE SECTION

SULPHUR SIDEWALK IMPROVEMENTS
CROSS SECTIONS STA. 383+50 TO 387+20

CITY OF SULPHUR
BROADWAY - CHARLES F. COOPER
MEMORIAL ROAD TO 18TH STREET

Drawn	J ALEX	7/27/17
Design	WTM	7/27/17
Checked	WTM	7/27/17

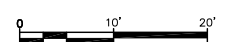
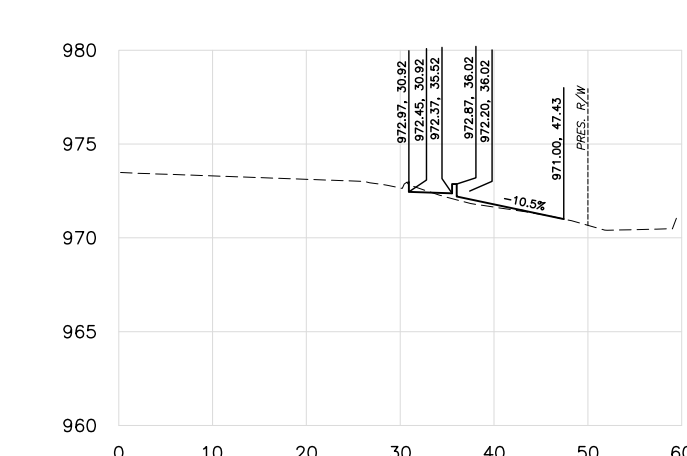
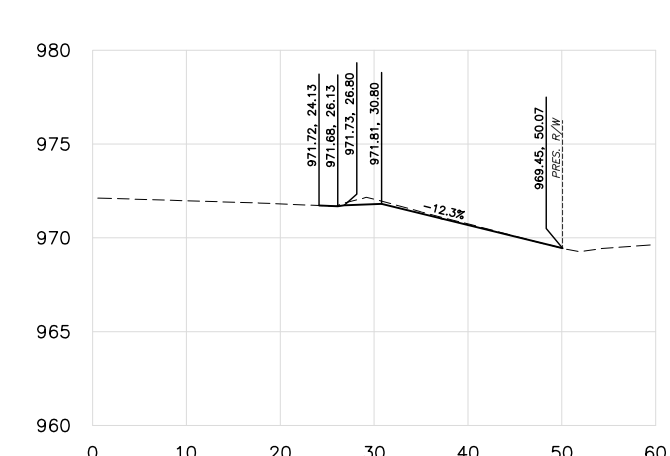
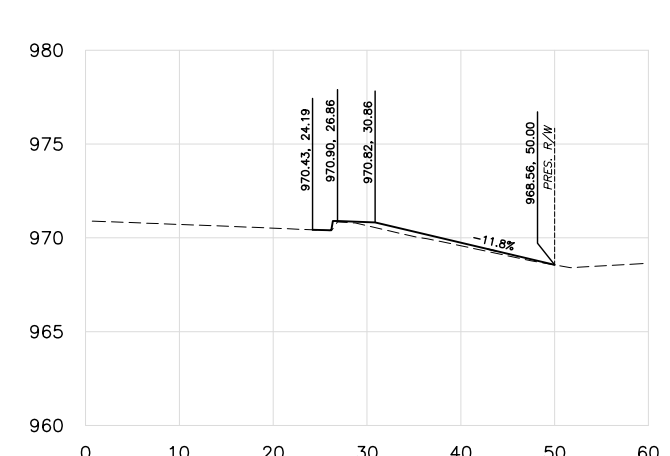
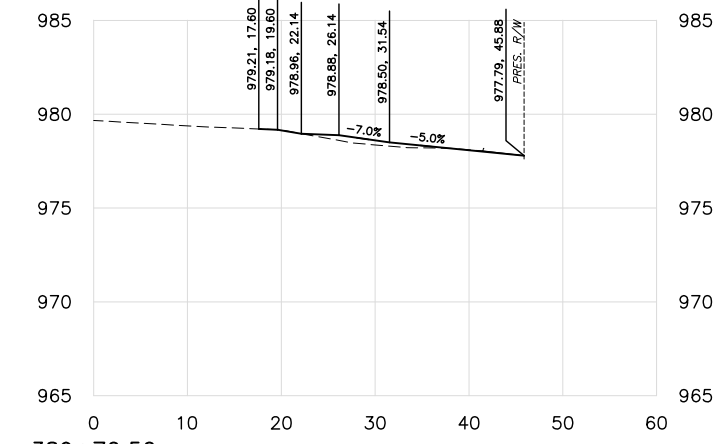
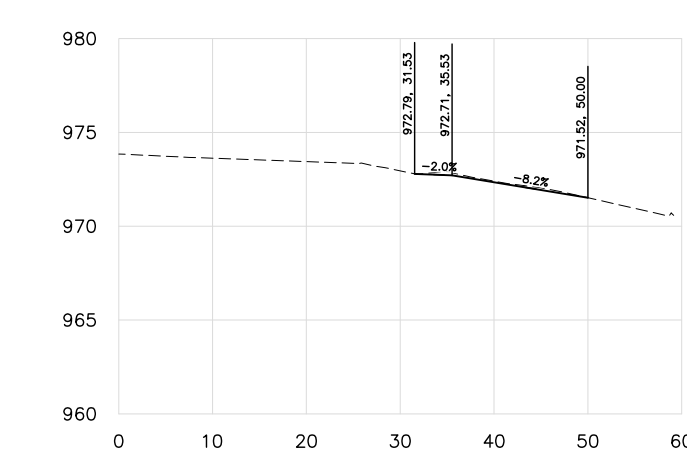
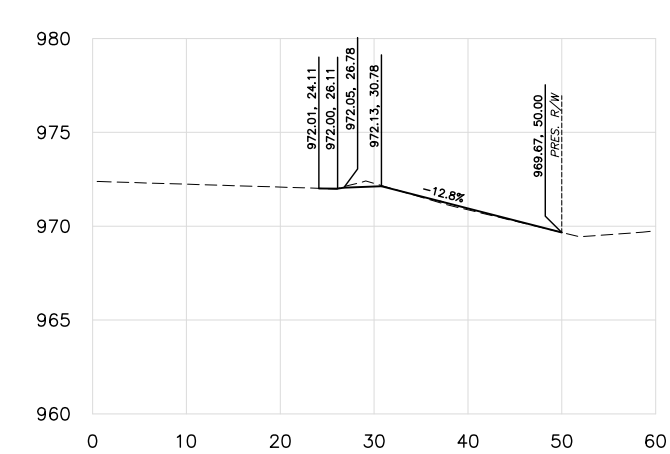
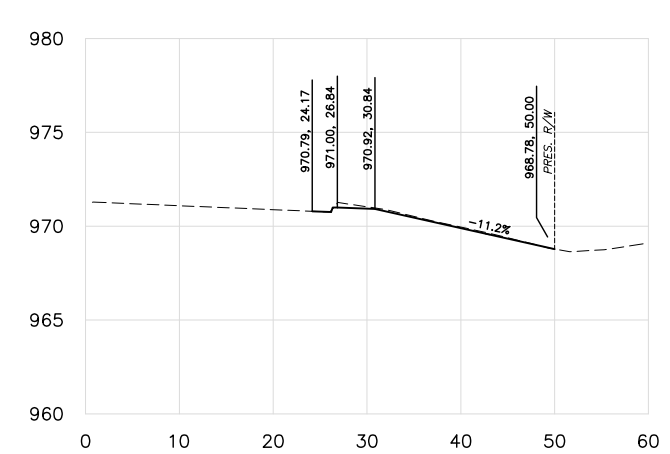
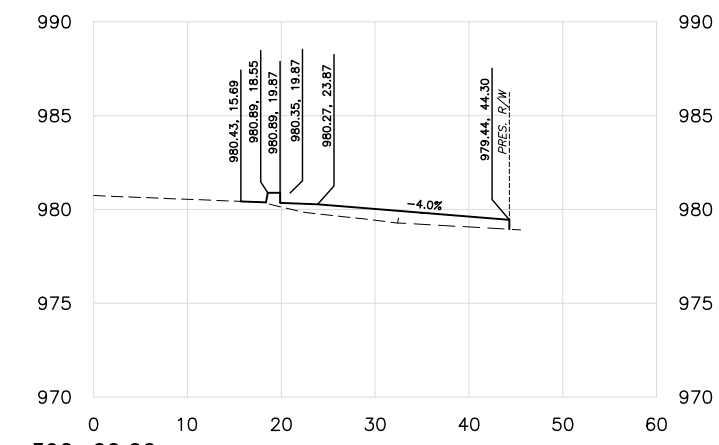
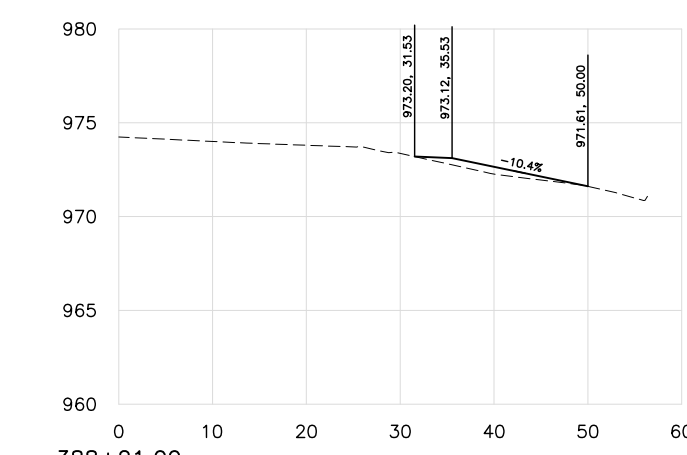
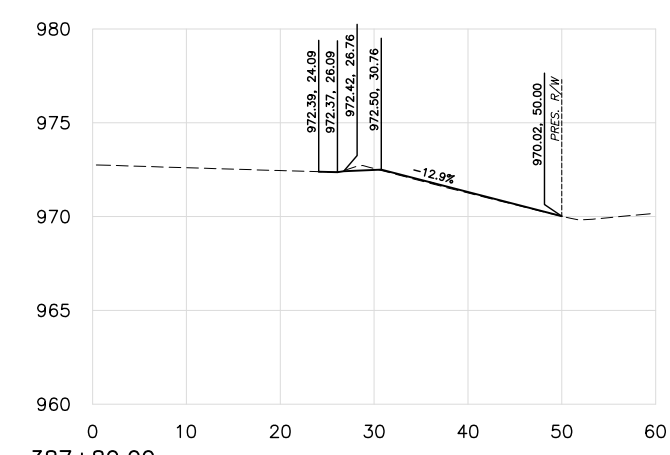
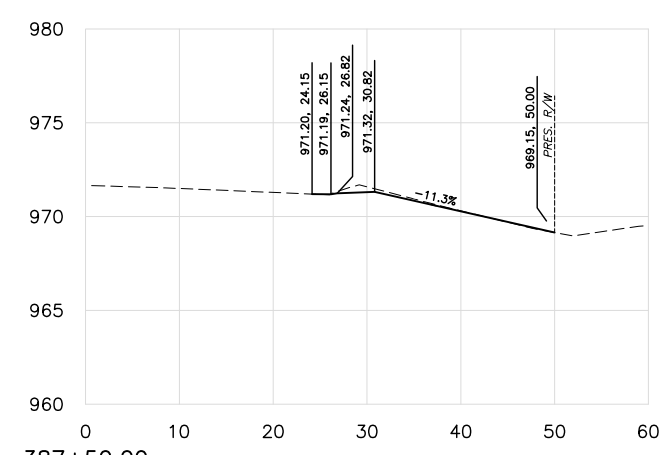
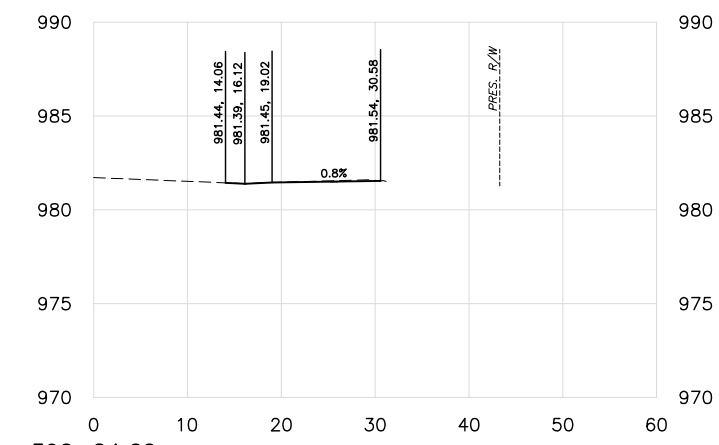
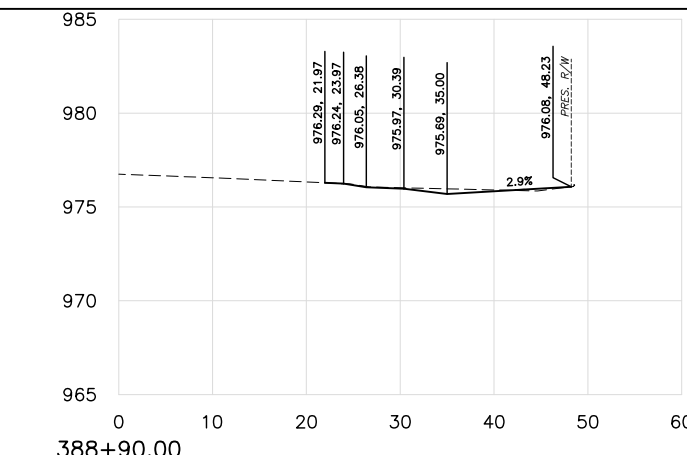
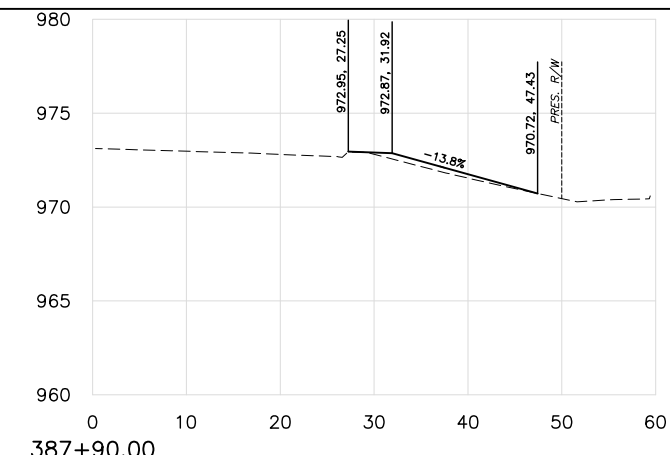
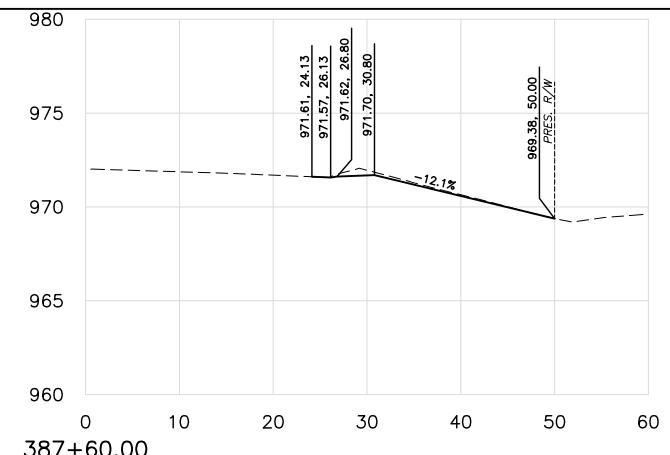
JOB NO. 210101

STATE OF OKLAHOMA DEPARTMENT OF TRANSPORTATION

DIVISION 7 SHEET NO. 30 OF 34

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REVISIONS		
REV. NO.	DESCRIPTION	DATE



ADD ALTERNATE SECTION

SULPHUR SIDEWALK IMPROVEMENTS
CROSS SECTIONS STA. 387+30 TO 390+24.60

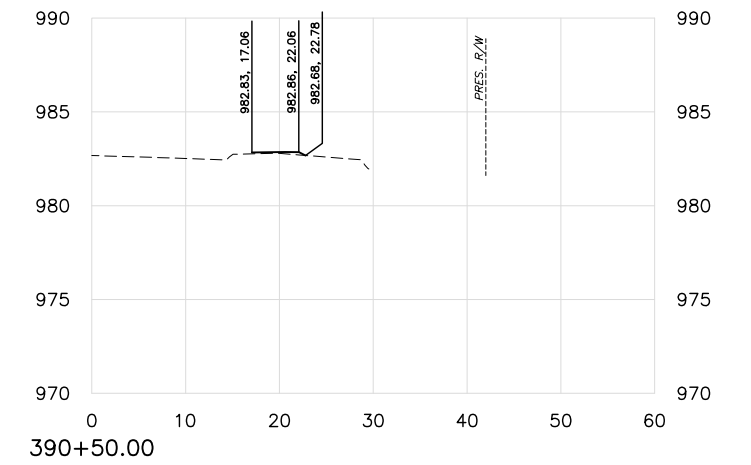
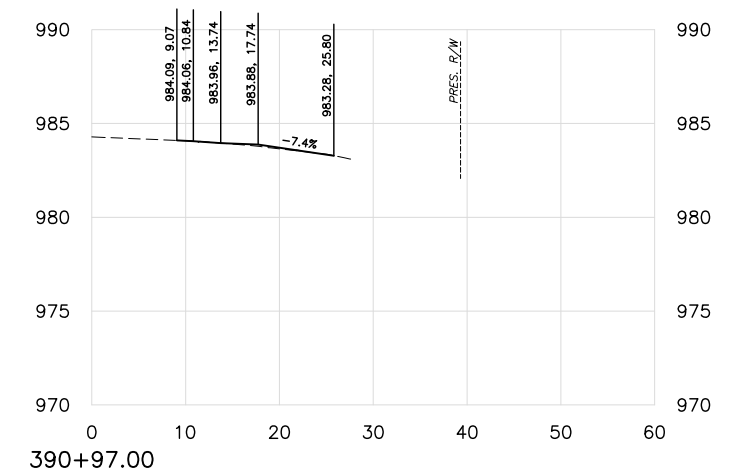
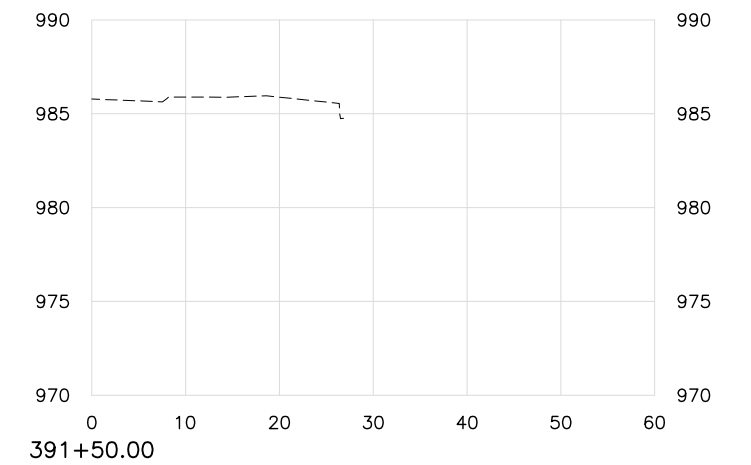
CITY OF SULPHUR
BROADWAY - CHARLES F. COOPER
MEMORIAL ROAD TO 18TH STREET

Drawn	J ALEX	7/27/17
Design	WTM	7/27/17
Checked	WTM	7/27/17
JOB NO. 210101		

STATE OF OKLAHOMA DEPARTMENT OF TRANSPORTATION
DIVISION 7 SHEET NO. 31 OF 34

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REVISIONS		
REV. NO.	DESCRIPTION	DATE



ADD ALTERNATE SECTION

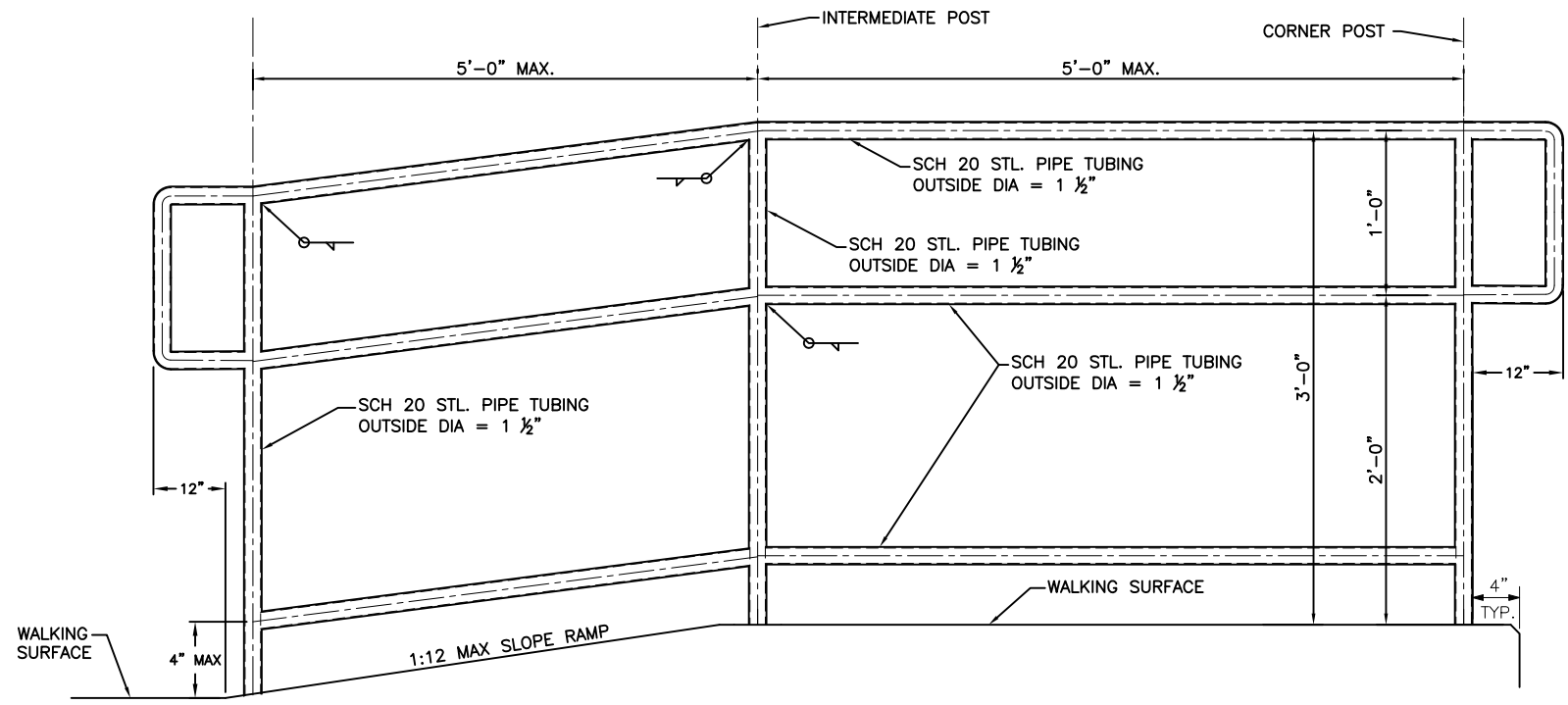
SULPHUR SIDEWALK IMPROVEMENTS CROSS SECTIONS STA. 390+50 TO 391+50 CITY OF SULPHUR BROADWAY - CHARLES F. COOPER MEMORIAL ROAD TO 18TH STREET			Drawn	J ALEX	7/27/17
			Design	WTM	7/27/17
			Checked	WTM	7/27/17
			JOB NO. 210101		
STATE OF OKLAHOMA		DEPARTMENT OF TRANSPORTATION			
		DIVISION 7		SHEET NO. 32 OF 34	

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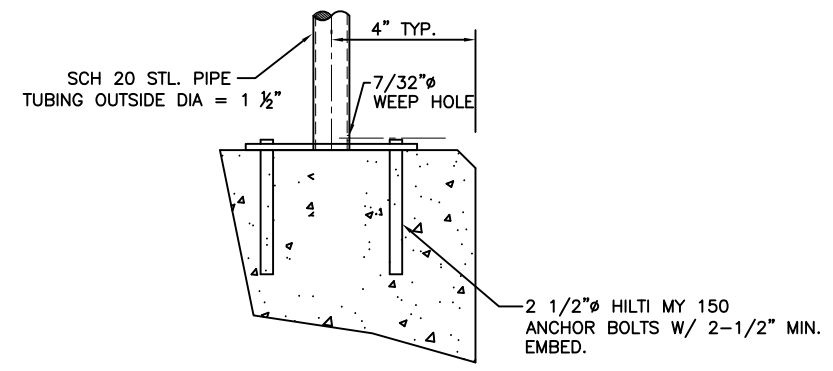
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NOTE: HANDRAILS SHALL BE PLACED A MINIMUM OF 1-1/2" FROM ADJOINING STRUCTURES OR OBSTACLES

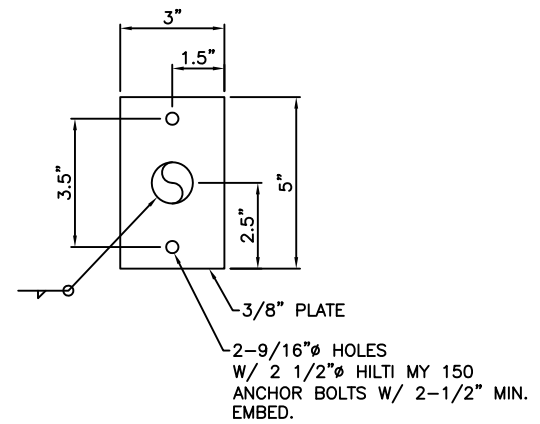
NOTE: STAIRS AND RAMPS SHALL HAVE HANDRAILS INSTALLED ON BOTH SIDES.



ACCESSIBLE LANDING & RAIL
SCALE: N.T.S.



EMBEDDED POST DETAIL
NO SCALE



POST ATTACHMENT DETAIL
NO SCALE

GENERAL RAILING CONSTRUCTION NOTES

ALL RAILS WHEN PROPERLY INSTALLED SHALL MEET OR EXCEED OSHA REQUIREMENTS.
 ALL RAIL IS TO BE WELDED CONSTRUCTION.
 ALL RAIL, POST AND COMPONENTS ARE TO BE CARBON STEEL.
 ALL FASTENERS ARE TO BE CARBON STEEL.
 ALL RAILING SURFACES SHALL RECEIVE TWO COATS OF OUTDOOR BLACK ENAMEL AS APPROVED BY THE CITY OF SULPHUR.
 ALL RAILS AND POSTS TO BE 1 1/2" OUTSIDE DIA SCHEDULE 20 STEEL PIPE. MAXIMUM POST SPACING IS 5'-0" O.C.
 ALL BENDS TO BE FIELD CUT, WELDED AND GROUND SMOOTH.
 TOP OF RAILS AND RAIL ENDS SHALL BE PARALLEL TO WALKING SURFACE.

SULPHUR SIDEWALK IMPROVEMENTS HANDRAIL DETAIL SHEET CITY OF SULPHUR BROADWAY - CHARLES F. COOPER MEMORIAL ROAD TO 12TH STREET		Drawn	J ALEX	7/27/17
		Design	WTM	7/27/17
		Checked	WTM	7/27/17
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STATE OF OKLAHOMA	DEPARTMENT OF TRANSPORTATION			
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REVISIONS		
REV. NO.	DESCRIPTION	DATE

STORMWATER MANAGEMENT PLAN

SITE DESCRIPTION

EROSION AND SEDIMENT CONTROLS

PROJECT LIMITS: ON BROADWAY AVE/ST HIGHWAY 7 IN SULPHUR, OK FROM CHARLES F. COOPER MEMORIAL ROAD EAST 0.54 MILES TO EIGHTEENTH STREET.

PROJECT DESCRIPTION: ON BROADWAY AVE/ST HIGHWAY 7 IN SULPHUR, OK FROM CHARLES F. COOPER MEMORIAL ROAD EAST 0.54 MILES TO EIGHTEENTH STREET. REPLACE/CONSTRUCT SIDEWALK, DRIVES, CURB/GUTTER AND WHEELCHAIR RAMPS MAKING THEM ADA COMPLIANT.

SUGGESTED SEQUENCE OF EROSION CONTROL ACTIVITIES: PRIOR TO INITIATING SOIL DISTURBING ACTIVITIES, THE CONTRACTOR WILL INSTALL ALL PERIMETER TEMPORARY SEDIMENT CONTROLS SPECIFIED. STRIP, STOCKPILE AND STABILIZE TOPSOIL. CLEAR AND GRUB ONLY IN NECESSARY AREAS, PRESERVING AS MUCH NATIVE VEGETATION AS POSSIBLE. INSTALL, MAINTAIN AND/OR MOVE TEMPORARY SEDIMENT ITEMS WITH CONSTRUCTION OPERATIONS AS PRACTICAL. IF DIRECTED BY THE ENGINEER, PLANT TEMPORARY SEEDING. REPLACE SALVAGED TOPSOIL AND DEVICES WHEN AN ACCEPTABLE VEGETATIVE COVER (AT LEAST 70%) HAS BEEN ATTAINED. AS SITE CONDITIONS WARRANT, THE CONTRACTOR MAY CHOOSE TO MODIFY THE TYPE OR ARRANGEMENT OF SPECIFIED PRACTICES TO IMPROVE THEIR EFFECTIVENESS AS APPROVED BY THE ENGINEER. THE CONTRACTOR WILL MAINTAIN A LOG OF THE DATES OF MAJOR SOIL DISTURBANCE ACTIVITIES, AND ALSO THE DATES OF INSTALLATION OF EROSION CONTROL MEASURES.

AREA TO BE DISTURBED: 1.00 ACRES

OFFSITE AREA TO BE DISTURBED: 0 ACRES
(FOR CONTRACTOR USE)

WEIGHTED RUNOFF COEFFICIENT
Before Construction: _____
After Construction: _____

NAME OF RECEIVING WATERS: _____

NOTE: THIS SHEET SHOULD BE USED IN CONJUNCTION WITH A DRAINAGE MAP THAT ILLUSTRATES THE DRAINAGE CHARACTERISTICS AND RECEIVING WATERS FOR THIS PROJECT. THIS SHEET SHOULD ALSO BE USED WITH THE EROSION CONTROL SUMMARIES, PAY ITEMS, & NOTES.

SOIL STABILIZATION PRACTICES:

- TEMPORARY SEEDING
- PERMANENT SODDING, SPRIGGING OR SEEDING
- VEGETATIVE MULCHING
- SOIL RETENTION BLANKET
- PRESERVATION OF EXISTING VEGETATION

NOTE: TEMPORARY EROSION CONTROL METHODS MUST BE USED ON ALL DISTURBED AREAS WHERE CONSTRUCTION ACTIVITIES HAVE CEASED FOR OVER 21 DAYS. METHODS USED WILL BE AS SHOWN ON PLANS, OR AS DIRECTED BY THE ENGINEER.

STRUCTURAL PRACTICES:

- TEMPORARY BRUSH SEDIMENT BARRIERS
- TEMPORARY SILT FENCE
- TEMPORARY SILT DIKES
- TEMPORARY BALE BARRIERS
- DIVERSION, INTERCEPTOR OR PERIMETER DIKES
- DIVERSION, INTERCEPTOR OR PERIMETER SWALES
- SANDBAG BERMS
- ROCK FILTER DAMS
- TEMPORARY SLOPE DRAIN
- PAVED DITCH W/ DITCH LINER PROTECTION
- TEMPORARY DIVERSION CHANNELS
- RIP RAP
- TEMPORARY STREAM CROSSINGS
- TEMPORARY SEDIMENT BASINS
- TEMPORARY SEDIMENT TRAPS
- TEMPORARY SEDIMENT FILTERS
- TEMPORARY SEDIMENT REMOVAL INLET SEDIMENT FILTER
- STABILIZED CONSTRUCTION EXIT

OFFSITE VEHICLE TRACKING:

- HAUL ROADS DAMPENED FOR DUST CONTROL
- LOADED HAUL TRUCKS TO BE COVERED WITH TARPAULIN
- EXCESS DIRT ON ROAD REMOVED DAILY

NOTES:

THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE FOLLOWING:

MAINTENANCE AND INSPECTION:

All erosion and sediment controls will be maintained in good working order from the beginning of construction until an acceptable vegetative cover is established. Inspection by the Contractor and any necessary repairs shall be performed once every 7 calendar days and within 24 hours after any storm event greater than 0.5 in (1.25 cm) as recorded by a non-freezing rain gauge to be located on site. Potentially erodible areas, drainageways, material storage, structural devices, construction entrances and exits along with erosion and sediment control locations are examples of sites that need to be inspected.

WASTE MATERIALS:

Proper management and disposal of construction waste material is required by the Contractor. Materials include stockpiles, surplus, debris and all other by-products from the construction process. Practices include disposal, proper materials handling, spill prevention and cleanup measures. Controls and practices shall meet the requirements of all Federal, State and Local agencies.

HAZARDOUS MATERIALS:

Proper management and disposal of hazardous waste materials is required. The Contractor is responsible for following manufacturer's recommendations, State and Federal regulations to ensure correct handling, disposal, spill prevention and cleanup measures. Examples include but are not limited to: paints, acids, cleaning solvents, chemical additives, concrete curing compounds and contaminated soils.

GENERAL NOTES:

A Stormwater Pollution Prevention Plan (SW3P) is required to comply with the Oklahoma Pollution Discharge Elimination System (OPDES) regulations. This plan is initiated during the design phase, confirmed in the pre-work meetings and available on the job site along with copies of the Notice of Intent (NOI) forms that have been filed with the Oklahoma Department of Environmental Quality (ODEQ). The plan must be kept current with up-to-date amendments during the progression of the project. The basic goal of stormwater management is to improve water quality by reducing pollutants in storm water discharges. Runoff from construction sites has a potential for pollution due to exposed soils and the presence of hazardous materials used in the construction process. The prevention of soil erosion, containment of hazardous materials and/or the interception of these pollutants before leaving the construction site are the best practices for controlling stormwater pollution.

The following Subsections of ODOT's Standard Specifications book should be noted:

- 103.05 Bonding Requirements
- 104.10 Final Cleaning Up
- 104.14 Contractor's Responsibility for Work
- 106.08 Storage of Materials
- 107.01 Laws To Be Observed
- 107.15 Stormwater Management
- 220.01 - 05 Temporary Erosion, Sedimentation and Stormwater Pollution Prevention and Control

In addition:

ODOT Special Provision 220-1 Management of Erosion Sedimentation, and Stormwater Pollution Prevention and Control.

"ODEQ General Permit (OKR10) for Stormwater Discharges From Construction Activities within the State of Oklahoma." ODEQ, Water Quality Division, September 13, 2007.

SULPHUR SIDEWALK IMPROVEMENTS STORM WATER MANAGEMENT PLAN			Drawn	J ALEX	7/27/17
CITY OF SULPHUR BROADWAY - CHARLES F. COOPER MEMORIAL ROAD TO 18TH STREET			Design	WTM	7/27/17
JOB NO. 210101			Checked	WTM	7/27/17
STATE OF OKLAHOMA	DEPARTMENT OF TRANSPORTATION		DIVISION 7		
			SHEET NO. 34 OF 34		