

CITY & COUNTY OF DENVER TRAFFIC ENGINEERING SERVICES

TRAFFIC SIGNAL STANDARDS

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APPROVED:

 CITY TRAFFIC ENGINEER 1-12-12
DATE

CITY & COUNTY OF DENVER
 2011 TRAFFIC ENGINEERING SERVICES

STD DWG NO	16.1.0
DATE	1/12/12

Last modification Date: Drawing File Name: 1102-23-150-019-010 Standard Traffic Details.dwg Horizontal Scale: 1" = 20' Vertical Scale: As Noted	<table border="1"> <thead> <tr><th colspan="2">Sheet Revisions</th></tr> <tr><th>Date</th><th>Comments</th></tr> </thead> <tbody> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table>	Sheet Revisions		Date	Comments						City and County of Denver Department of Public Works Engineering Division 201 W. Colfax, Dept 508 Denver, CO 80202	As Constructed No Revisions Revised Void	FEDERAL BLVD. RECON. - 5TH AVE. TO HOWARD PLACE CITY AND COUNTY OF DENVER TRAFFIC STANDARD DRAWINGS	Project No./Code HWPP 2573-172 SA 19957 2011-PROJ_MSTP-0000364 Sheet Number 901
Sheet Revisions														
Date	Comments													

AD SUBMITTAL - JANUARY 2, 2018

TRAFFIC SIGNAL NOTES

GENERAL

- ITEM NUMBER REFERS TO THE APPROPRIATE SECTION OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION - COLORADO DEPARTMENT OF TRANSPORTATION 2011
- THE CONTRACTOR SHALL BE AWARE OF THE FRANCHISE AGREEMENT IN PLACE BETWEEN THE CITY & COUNTY OF DENVER AND ACCEL ENERGY. PER THE FRANCHISE AGREEMENT ALL TRAFFIC SIGNAL POLES WITH STREET LIGHTS ATTACHED AND STREET LIGHT POLES ARE OWNED AND MAINTAINED BY ACCEL ENERGY. THEREFORE ALL SUBMITTALS FOR TRAFFIC SIGNAL POLES AND STREET LIGHT POLES SHALL BE MADE TO ACCEL ENERGY AND CITY & COUNTY OF DENVER TRAFFIC ENGINEERING SERVICES. NO TRAFFIC SIGNAL POLES OR STREET LIGHT POLES SHALL BE ORDERED UNTIL A SUBMITTAL HAS BEEN ACCEPTED FROM ACCEL ENERGY AND CITY & COUNTY OF DENVER TRAFFIC ENGINEERING SERVICES.
- ACCEL ENERGY TO REMOVE ALL POLES WITH EXISTING STREET LIGHTING ATTACHED. THE CONTRACTOR SHALL REMOVE ALL OTHER SIGNAL EQUIPMENT INCLUDING SIGNAL POLES WITHOUT STREET LIGHTING, MAST ARMS, SPAN WIRE POLES, PEDESTAL POLES, SIGNAL HEADS, SPAN WIRE, PUSH BUTTONS, PULL BOXES, CONTROLLER CABINETS AND ALL FOUNDATIONS AS SHOWN ON THE PLANS. CONTRACTOR SHALL REPAIR ALL REBAR AND OTHER CONCRETE AFTER REMOVAL OR AS DIRECTED AND APPROVED BY THE TRAFFIC ENGINEERING SERVICES ENGINEER.
- ALL SIGNALLED SIGNAL EQUIPMENT REMOVED REMAINS THE PROPERTY OF CITY & COUNTY OF DENVER AND MUST BE DELIVERED TO TRAFFIC ENGINEERING SERVICES AT 3440 ROSLYN STREET COORDINATE WITH TRAFFIC ENGINEERING SERVICES PROJECT INSPECTOR AT 720-850-4000 PRIOR TO DELIVERY.
- NO TRAFFIC SIGNAL SHALL BE TURNED ON OR TURNED OFF ON A FRIDAY OR PRIOR TO A HOLIDAY WITHOUT PRIOR NOTIFICATION TO TRAFFIC ENGINEERING SERVICES (720-813-0801).

HARDWARE

- ALL OVERHEAD SIGNAL HEADS SHALL BE CONSTRUCTED OF DIE CAST ALUMINUM AND PAINTED DARK OLIVE GREEN IN CONFORMANCE WITH FEDERAL SPECIFICATION 14058 (12" DIAMETER ONLY).
- POLY SIGNAL HEADS ARE REQUIRED FOR ALL SIDE MOUNT SIGNALS AND PEDESTRIAN SIGNALS. ALL POLY HEADS SHALL BE DARK OLIVE GREEN IN CONFORMANCE WITH FEDERAL SPECIFICATION 14058.
- ALL HARDWARE INCLUDING SPACERS, ELBOWS, POLE PLATES AND PLUMBLINEERS SHALL BE PAINTED DARK OLIVE GREEN IN CONFORMANCE WITH FEDERAL SPECIFICATION 14058.
- LIGHT EMITTING DIODE (LED) SIGNAL LENSES SHALL BE INSTALLED IN ALL SIGNAL INDICATORS (RED, YELLOW, GREEN, AND WALK, DON'T WALK, AND COUNTDOWN PEDESTRIAN SIGNAL SECTIONS).
- EXACT LOCATION OF THE SIGNAL POLES AND PEDESTALS SHALL BE DETERMINED IN THE FIELD BY CITY & COUNTY OF DENVER TRAFFIC ENGINEERING SERVICES.

CONSTRUCTION

- CONDUIT PLANS SHOWN AS (1) TO BE TWO 3 INCH SCHEDULE 80 PVC FOR TRAFFIC AND ONE 2 INCH SCHEDULE 80 PVC FOR ELECTRIC UTILITY. SCHEDULE 80 PVC WILL CONSTITUTE THE MINIMUM REQUIRED CONDUIT THICKNESS.
- TWO PULL BOXES TO BE INSTALLED AT LOCATIONS SHOWN AS (2). DESIGNATE ON I.D. "TRAFFIC" FOR SIGNAL CABLES AND "ELECTRIC" FOR ELECTRIC UTILITY CABLES BY PHYSICALLY EMBOSsing, NOT PAINTING. PULL BOX LIDS FOR CONCRETE/STONE CONDUITS (3) (SPECIAL) SHALL BE DESIGNATED "TRAFFIC CONDUIT" BY PHYSICALLY EMBOSsing, NOT PAINTING. SEE STD DWG NO. 18.17 FOR PULL BOX DIMENSIONS.
- A SINGLE 3 INCH CONDUIT SHALL BE REQUIRED AND INSTALLED FROM THE TRAFFIC CONDUIT PULL BOX TO THE TRAFFIC SIGNAL CONTROLLER CABINET CONDUIT SHALL BE SCHEDULE 80 PVC CONDUIT.
- HYDROCONNECT CONDUIT PULL BOXES SHALL BE PLACED AT 500 FOOT MAXIMUM SPACING, OR OTHERWISE DIRECTED BY CITY & COUNTY OF DENVER ENGINEER.
- INSTALL WATER VALVE PULL BOX (4) AND 2 INCH SCHEDULE 80 PVC CONDUIT FOR LOOP DETECTION INTERCEPT WHERE SHOWN ON PLANS. SEE STD DWG NO. 18.15.
- ALL HOLES IN TRAFFIC SIGNAL POLES TO BE DRILLED OR SAHED. INSTALLING HOLES BY BURNING WITH A TORCH IS NOT APPROVED.
- THE BOTTOM OF ALL SPAN WIRE MOUNTED SIGNAL HEADS SHALL BE ON THE SAME HORIZONTAL PLANE AND HAVE A MINIMUM CLEARANCE OF 18'-0" AND A MAXIMUM CLEARANCE OF 19'-0" ABOVE THE CROWN OF PAVEMENT SURFACE, UNLESS OTHERWISE SPECIFIED BY TRAFFIC ENGINEERING SERVICES. ALL SPAN WIRE SHALL INCLUDE A BOTTOM WIRE OR WIND TETHER.
- EXISTING SIGNAL FACES SHALL REMAIN VISIBLE AND ILLUMINATED UNTIL NEW SIGNALS ARE TURNED ON. BLOCKING OF EXISTING FACE BY NEW FACE WILL REQUIRE NEW FACE TO BE TEMPORARILY ILLUMINATED FOR ILLUMINATION.
- ANCHOR BOLTS SHALL NOT BE TIGHTENED UNTIL SIGNAL POLE BASE ELEVATION IS APPROVED BY CITY & COUNTY OF DENVER ENGINEER.

WIRING

- ALL TRAFFIC SIGNAL WIRE CONNECTORS SHALL BE OF THE BUCHANAN COMPRESSION TYPE WITH COPPER NONFERROUS CONNECTORS AND IDEA BRAP-CAPS OR APPROVED EQUAL.
- WIRE SPlicing IN THE PULL BOXES ARE NOT ALLOWED EXCEPT FOR THE LOOP WIRES. ALL LOOP WIRES SHALL BE SPliced IN THE WATER VALVE TRAFFIC PULL BOXES.
- THREE (3) SPARE CONDUCTORS SHALL BE PROVIDED TO EACH PULL BOX AND TO THE END OF EACH MAST ARM.
- ALL SOLDERLESS CONNECTORS SHALL BE USED.
- BARF WIRE IN OPTICON CABLE SHALL BE SHOWN TUBED ON BOTH ENDS FOR TOTAL INSULATION.

SIGNING

- OVERHEAD TRAFFIC MAST SIGNS TO BE FURNISHED AND INSTALLED ON EACH MAST ARM AS NOTED ON STD DWG NO. 18.1 TO DETAIL B. SIGN TO BE BOLTED ON 18 INCH TELESPAR EXTENSION WHICH CONNECTS TO MAST ARM BY USE OF ADAPTER SCREWED INTO HOUSING.
- CONTRACTOR SHALL NOT REMOVE ANY REGULATORY TRAFFIC SIGNS UNLESS SPECIFIED ON PLANS, CITY AND COUNTY OF DENVER TRANSPORTATION DIVISION TO BE MOVED 48 HOURS PRIOR TO ANY SIGNING CHANGES AT 720-850-3100.
- ALL PAVEMENT SIGNS AND PAVEMENT MARKINGS MUST BE IN PLACE AT THE TIME A TRAFFIC SIGNAL CHANGE IS MADE, SUCH AS A NEW SIGNAL TURN ON, AND CHANGES MADE TO EXISTING SIGNAL OPERATION.

CITY & COUNTY OF DENVER

TRAFFIC SIGNAL NOTES

STD DWG NO
18.1
DATE
1/12/12

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Horizontal Scale: 1:2
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Sheet Revisions

Date	Comments



As Constructed
No Portions
Provided
Yes

FEDERAL BLDG. RECON. - 5TH AVE. TO HOWARD PLACE
CITY AND COUNTY OF DENVER
TRAFFIC STANDARD DRAWINGS
Designer: _____
Detailer: _____
Sheet Subst: 150 Subst Sheets 2 of 40

Project No./Code
IMP 2013-172
SA 19957
2011-PRO-USTP-0000361
SNN Number 902

ELECTRICAL SERVICE LEGEND

- CONTROLLER CABINET-EXISTING
- ◻ CONTROLLER CABINET-NEW (DARKENED PORTION INDICATES DOOR SIDE OF CABINET)
- PULL BOX-EXISTING
- PULL BOX-NEW
- WATER VALVE PULL BOX
- ▭ LOOP DETECTOR (LENGTH AS SPECIFIED)
- POLE-EXISTING
- ⊕ POLE OR PEDESTAL-NEW
- OPTICON
- ↓ DOWN GUY
- UNDERGROUND CONDUIT-EXISTING
- UNDERGROUND CONDUIT-NEW
- LUMINAIRE
- ↔ PEDESTRIAN PUSH BUTTON LEFT OR RIGHT ARROW THAT FOR BALK SIGNAL*
- ↔ MAST ARM (LENGTH AS SPECIFIED, SHOWING SIGNAL WITH BACK-PLATE)
- ↔ SPAN-WIRE MOUNTED (SHOWING SIGNAL WITH BACK-PLATE)
- ↔ PEDESTAL OR SIDE BRACKET MOUNTED (SHOWING SIGNAL WITHOUT BACK-PLATE)
- 📷 VIDEO DETECTION CAMERA
- 📡 RADIO ANTENNA
- 🔊 MICROPHONE DETECTOR
- ▲ POLE MOUNTED SIGN
- SPAN WIRE MOUNTED SIGN
- ▲ MAST ARM MOUNTED SIGN
- 📺 CLOSED CIRCUIT TELEVISION CAMERA
- 📺 BLANK OUT SIGN
- 📺 VARIABLE MESSAGE SIGN
- ⊠ ELECTRIC METER

KEY NOTES

REMOVALS

- (1) REMOVE SIGNAL HEAD
- (1) REMOVE SIGNAL POLE
- (1) REMOVE SIGNAL CABINET, CONTROLLER, PULL BOXES & WATER VALVE PULL BOXES
- (1) REMOVE MAST ARM
- (1) REMOVE SPAN WIRE, CABLE AND ALL ATTACHED SIGNAL HEADS AND EQUIPMENT
- (1) REMOVE PUSH BUTTON
- (1) ELECTRIC UTILITY COMPANY TO REMOVE EXISTING POLE

RESETS

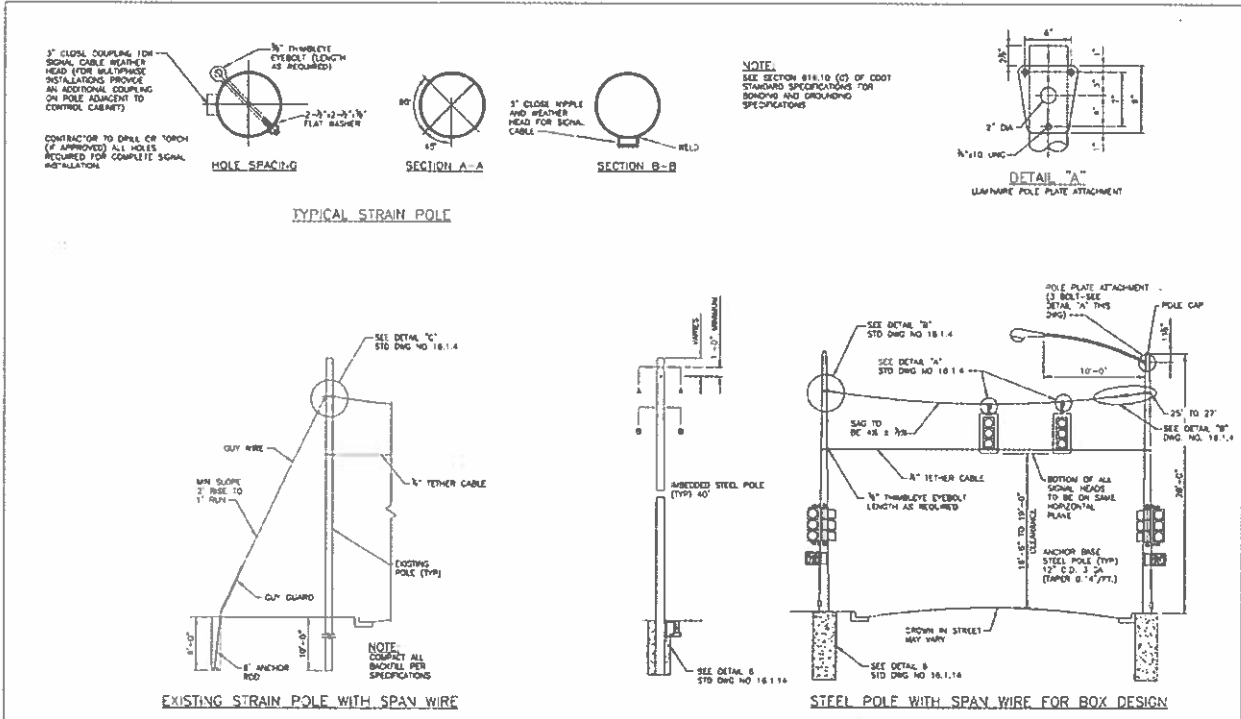
- (2) RESET SIGNAL HEAD
- (2) RESET SIGNAL POLE
- (2) RESET SIGNAL CONTROLLER, CABINET AND ASSOCIATED EQUIPMENT
- (2) RESET PUSH BUTTON
- (2) RESET SPAN WIRE
- (2) RESET SPAN WIRE AND ALL ATTACHED SIGNAL EQUIPMENT
- (2) RESET DETECTOR
- (2) ELECTRIC UTILITY COMPANY TO RESET EXISTING POLE

INSTALLATIONS

- (1) INSTALL SIGNAL HEAD OR HEADS
- (1) INSTALL SIGNAL CABINET, CONTROLLER AND ASSOCIATED EQUIPMENT
- (1) INSTALL PUSH BUTTON
- (1) INSTALL CONDUIT
- (1) INSTALL THREE CONDUITS (TWO 3-INCH CONDUITS AND ONE 2-INCH CONDUIT)
- (1) INSTALL SIGNAL POLE
- (1) INSTALL MAST ARM (LENGTH AS SHOWN)
- (1) INSTALL SPAN WIRE
- (2) (SPECIAL) INSTALL PULL BOX MARKED "TRAFFIC COMB" ON LID
- (2) INSTALL TWO PULL BOXES ONE MARKED "TRAFFIC" ONE MARKED "ELECTRIC" ON LIDS
- (1) INSTALL DETECTOR
- (1) ELECTRIC UTILITY COMPANY TO INSTALL SIGNAL POLE
- (1) ELECTRIC UTILITY COMPANY TO INSTALL POWER FEED. CONTRACTOR TO EXTEND TO CONTROLLER
- (1) ELECTRIC UTILITY COMPANY TO INSTALL LUMINAIRE
- (1) INSTALL LUMINAIRE
- (1) INSTALL WATER VALVE PULL BOX
- (1) AS CHANGE
- (1) INSTALL STREET LIGHT STANDARDS
- (1) INSTALL OPTICON
- (1) INSTALL MICROPHONE (SIZE & TYPE AS SHOWN)
- (1) INSTALL VIDEO DETECTION CAMERA
- (1) INSTALL ELECTRIC METER

CITY & COUNTY OF DENVER	STD DWG NO 16.1.2
LEGEND/KEY NOTES	DATE 1/12/12

Lost Modification Date Drawing File Name 1101182-750-875-020 Standard Traffic Details.dwg Horizontal Scale 1/2 Vertical Scale As Noted	Sheet Revisions <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Date</th> <th>Comments</th> <th>By</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	Date	Comments	By				<p>City and County of Denver Department of Public Works Engineering Division 201 B Center Street, Suite 500 Denver, CO 80202</p>	<p>Colorado Department of Transportation 2000 North Academy Street Denver, CO 80202 Phone: 303-733-8800 Fax: 303-733-8801 www.dot.state.co.us</p>	As Constructed No Previous Per-1602 V04	FEDERAL BLVD. RECON. - 5TH AVE. TO HOWARD PLACE CITY AND COUNTY OF DENVER TRAFFIC STANDARD DRAWINGS	Project No./Code IMPR 2873-172 SA 19957 2011-PROJ/MSTP-0000364 Sheet Number 903
Date	Comments	By										



CITY & COUNTY OF DENVER

SPAN WIRE SIGNAL DESIGN

STD DWG NO 18.1.3
DATE 1/12/12

Last Modification Date	1/12
Drawing File Name	1025-BB-150-878-420 Standard Traffic Detriage
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Vertical Scale	As Noted

Sheet Revisions	
Date	Comments

City and County of Denver
Department of Public Works
Engineering Division
251 W. Colfax, Denver 80202
Denver, CO 80202

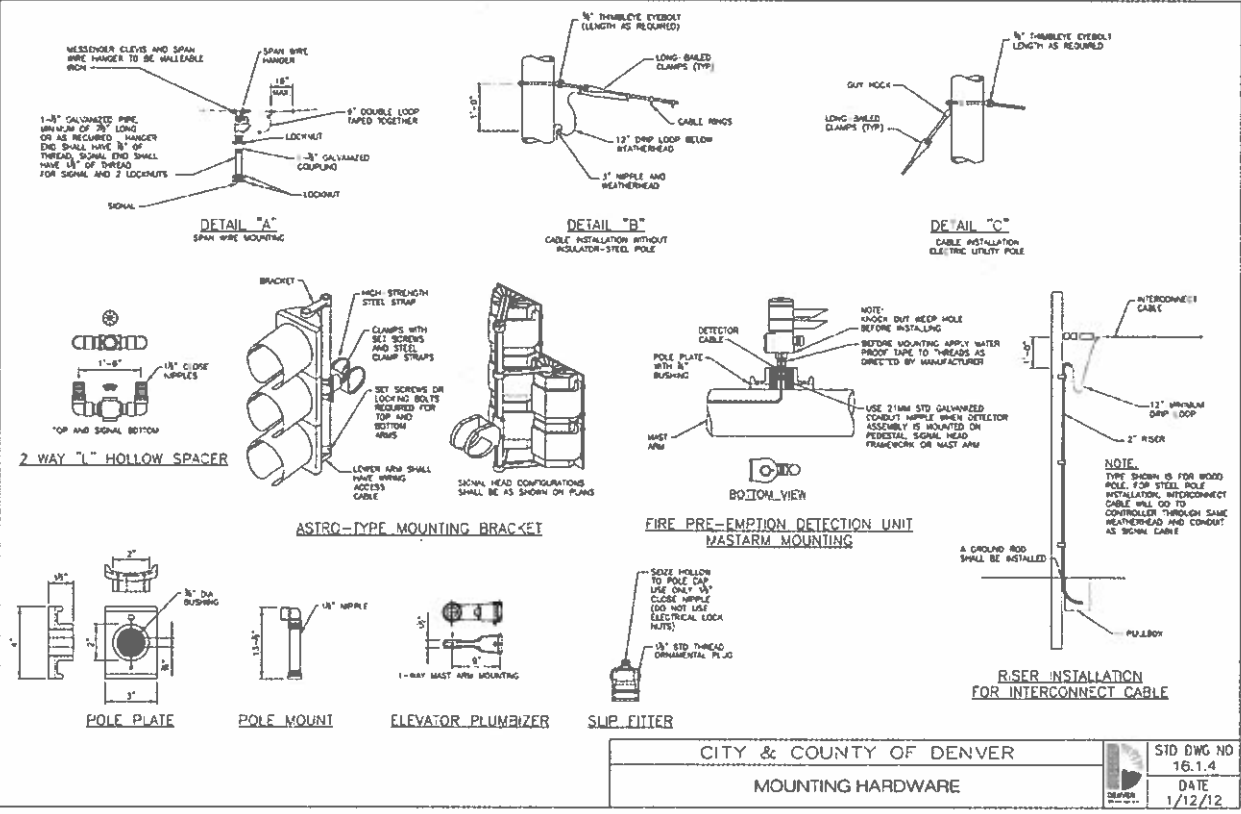
Colorado Department of Transportation
1555 Sherman Street, Suite 100
Denver, CO 80202
Phone: 303.733.1000
Fax: 303.733.1001
Project: 1

As Constructed	No Revisions
Revised	
Void	

FEDERAL BLVD. RECON - 5TH AVE TO HOWARD PLACE CITY AND COUNTY OF DENVER TRAFFIC STANDARD DRAWINGS	
Designer	Structure
Detailer	S&E Numbers
Sheet Submittal	150 Submittal Sheets 4 of 43

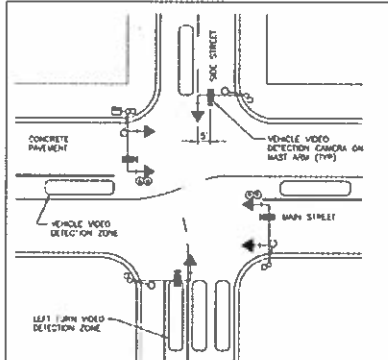
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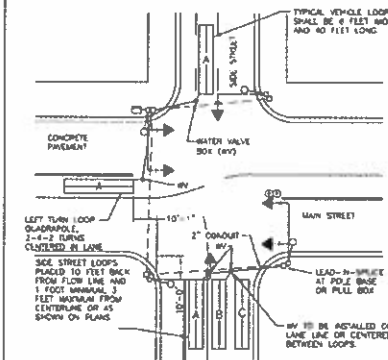


CITY & COUNTY OF DENVER			STD DWG NO
MOUNTING HARDWARE			16.1.4
			DATE
			1/12/12

Last Modification Date: IN1 Drawing File Name: 1102158-950-819-010 Standard Traffic Detail.dwg Horizontal Scale: 1:2 Vertical Scale: As Noted	Sheet Revisions Date: _____ Comments: _____ IN1	 City and County of Denver Department of Public Works Engineer of Location 201 W. Colfax, 3rd Fl Denver, CO 80202	 Colorado Department of Transportation 1000 South Broadway Denver, CO 80202 Project 1	As Constructed No. Revisions: _____ Revised: _____ V=0	FEDERAL BLVD RECON - 5TH AVE TO HOWARD PLACE CITY AND COUNTY OF DENVER TRAFFIC STANDARD DRAWINGS Designer: _____ Checker: _____ Sheet Subset: 150 Subset Sheets 5 of 40	Project No./Code INHP 2823-172 SA 19957 2013-PRO-WSTP-0000164 Sheet Number: 905
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TYPICAL VIDEO CAMERA LOCATION DETAIL



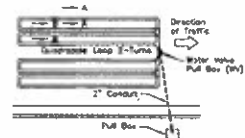
TYPICAL LOOP LOCATION DETAIL

GENERAL NOTES

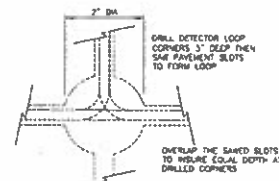
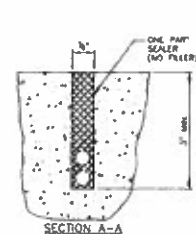
1. LOOP DETECTORS SHALL BE INSTALLED WITH THE NUMBER OF TURNS OF WIRE AND IN THE CONFIGURATION SHOWN ON SCHEMATIC. A COMPLETE INSTALLATION CONSISTS OF A LOOP OR GROUP OF LOOPS INSTALLED IN THE ROADWAY, LEAD-IN CABLE AND A DETECTOR UNIT INSTALLED IN A TRAFFIC SIGNAL CONTROLLER CABINET.
2. LOOP WIRES SHALL BE BROUGHT OUT TO THE NEAREST SIGNAL POLE OR PULL BOX AND EXISTING UNDERGROUND CONDUIT OR OVERHEAD WISSENDER WIRE USED FOR LEAD-IN CABLE TO CONTROL CABINET.
3. THE LOOP DETECTOR WIRES SHALL BE SPACED TO THE LEAD-IN CABLE USING WATER PROOF SPACE DEVICES.
4. ALL LOOP WIRES SHALL BE CLEARLY IDENTIFIED AT THE CONNECTION POINT BY LETTERING FROM THE ROADWAY CENTER.
5. NO BACKER ROD OR FILLER MATERIAL SHALL BE USED IN THE SAW CUT.
6. THE SAW CUT SHALL BE MADE 8-INCHES WIDE AND A MINIMUM OF 3 INCHES DEEP. THE SLOT SHALL BE AS STRAIGHT AS POSSIBLE AND SHALL NOT VARY MORE THAN 1/8-INCH WHEN CHECKED WITH A 12 FOOT STRAIGHTEDGE. NO SAWING SHALL BE STARTED UNTIL LAYOUT OF LOOP IS CHECKED AND APPROVED BY THE ENGINEER'S REPRESENTATIVE.
7. SAW CUTS SHALL BE WASHED AND BLOWN DRY AND CLEARED PRIOR TO PLACEMENT OF WIRE. CORNERS OF LOOPS SHALL BE DRILLED 3-INCHES DEEP WITH 2-INCH DIAMETER. SEE DRILLED CORNER DETAIL.
8. AFTER SAW CUT IS CLEARED OF DEBRIS THE WIRE SHALL BE PLACED BY PUSHING IT INTO THE SLOT WITH A BLUNT NON-METALLIC OBJECT. A SCREWDRIVER OR OTHER SHARP TOOL SHALL NOT BE USED.
9. BEFORE THE LOOP SYSTEM IS SEALED THE LOOP SHALL BE CHECKED FOR ELECTRICAL CONTINUITY BY TESTING FOR PROXIOUS AC VOLTAGE, INDUXTANCE, AND RESISTANCE.
10. LOOPS SHALL BE SEALED USING SEALER AS DESCRIBED IN THE MATERIAL REQUIREMENTS AND SHOWN IN THE DETAILS.
11. WHEN POSSIBLE INSTALL LOOP UNDER CONCRETE PAVING BY STAPING WITH PLASTIC TIE STAPES OR REBAR CHAIRS AT THE DIRECTION OF THE ENGINEER.
12. LOOPS SHALL BE INSTALLED PRIOR TO FINAL LAY OF ASPHALT.
13. PREFORMED LOOPS MAY BE USED AT THE DIRECTION OF THE ENGINEER.
14. BICYCLE DETECTION LOOPS SHALL BE LAYOUT AND INSTALLED IN THE SAME MANNER AS A VEHICLE LOOPS.

MATERIAL REQUIREMENTS

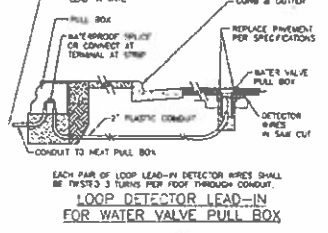
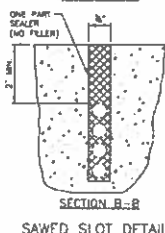
1. THE LOOP WIRE SHALL BE NO. 14 AWG, STRANDED SINGLE CONDUCTOR, CROSS-BRAID POLYETHYLENE INSULATION WHICH IS PROTECTED BY A CONTINUOUS FLEXIBLE VINYL OR POLYETHYLENE PLASTIC SLING.
2. LOOP LEAD-IN CABLE SHALL BE 4/C AWG #18 STRANDED COPPER WIRE SHIELDED WITH POLYETHYLENE JACKET AND INSULATION IN ACCORDANCE WITH JM SPECIFICATION NO. 30043.
3. ROADWAY LOOP ENCASEMENT SEALER SHALL BE USED TO ENCASEMENT THE LOOP WIRES. THE SEALER SHALL BE ONE PART COMPONENT SYSTEM WHICH IS PLACED UNDER PRESSURE USING A CONVENTIONAL CARTRIDGE GUN OR BULK HANDLING PUMP EQUIPMENT. SEALER SHALL HAVE A VISCOSITY WHICH WILL COMPLETELY ENCASEMENT THE WIRES AND WILL REMAIN PERMANENTLY FLEXIBLE WITH AGE. SEALER SHALL BE APPROVED BY THE ENGINEER PRIOR TO BEGINNING WORK.



TYPICAL LOOP WIRING SCHEMATIC



DRILLED CORNER DETAIL



LOOP DETECTOR LEAD-IN FOR WATER VALVE PULL BOX

CITY & COUNTY OF DENVER
LOOP DETECTION

STD DWG NO 16.15
DATE 1/12/12

List Modification Date: _____ Drawing File Name: 1102158-750-974-110 Standard Logic Detail.dwg Horizontal Scale: 1:2 Vertical Scale: As Noted
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Sheet Revisions	
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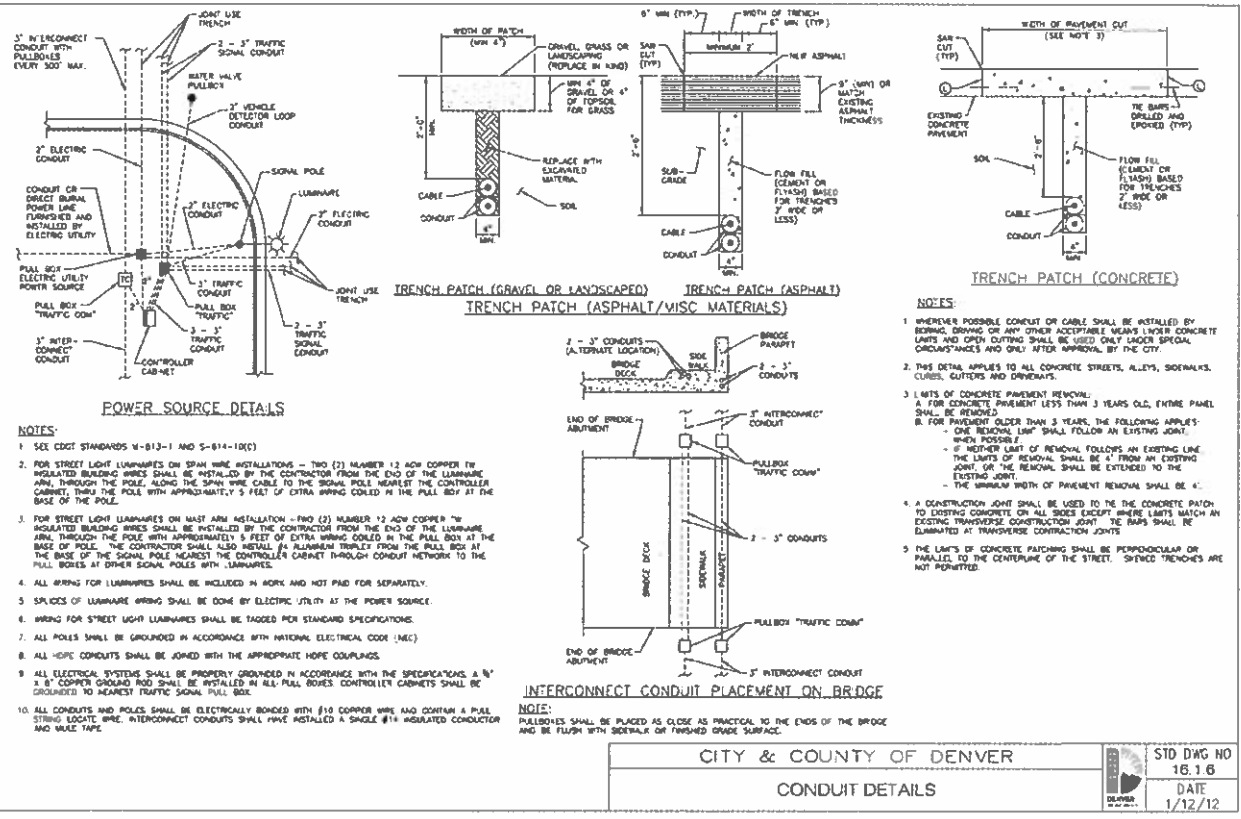


As Constructed	NO PAVEMENT
Revised	VOID

FEDERAL BLVD. RECON - 5TH AVE. TO HOWARD PLACE CITY AND COUNTY OF DENVER TRAFFIC STANDARD DRAWINGS	
Designer	Structure
Detailer	SPF Numbers
Sheet Size	150 Sheet Sheets 6 of 43

Project No./Code	1102158-750-974-110 SA 1102158
Sheet Number	906

11/12/12

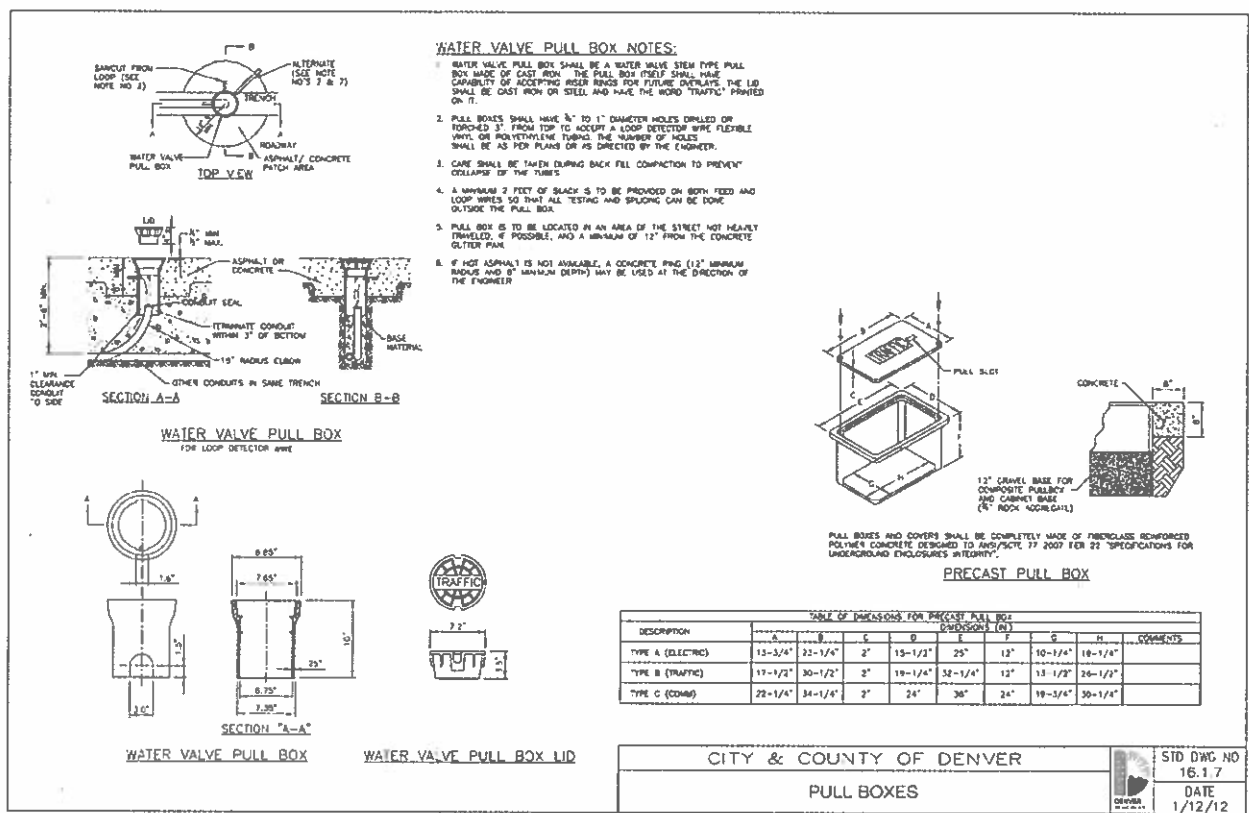


CITY & COUNTY OF DENVER

CONDUIT DETAILS

	STD DWG NO 16.1 B
	DATE 1/12/12

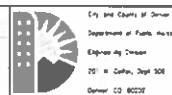
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Sheet Revisions													
Date	Comments												



Drawing File Name: 1127-33-250-276-102 Standard Traffic Details
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 Vertical Scale: As Noted
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 Sheet Number: 908

Last Modification Date: 1/12/12
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 Vertical Scale: As Noted

Sheet Revisions	
Date	Comments

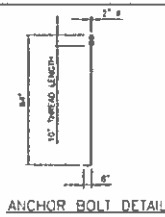


City and County of Denver
 Department of Public Works
 Engineering Division
 201 W. Colfax, Dept. 506
 Denver, CO 80202

As Constructed
 No Permits
 Per-102
 Void

FEDERAL BLVD. RECON. - 5TH AVE. TO HOWARD PLACE
 CITY AND COUNTY OF DENVER
 TRAFFIC STANDARD DRAWINGS
 Designer: Structure
 Detailer: SPF
 Sheet Subst: 150 Subst Sheets: 3 of 43

Project No./Code: 2011-PROJ-NSIP-00002611
 SA 19957
 STD DWG NO: 16.1.7
 DATE: 1/12/12
 Sheet Number: 908



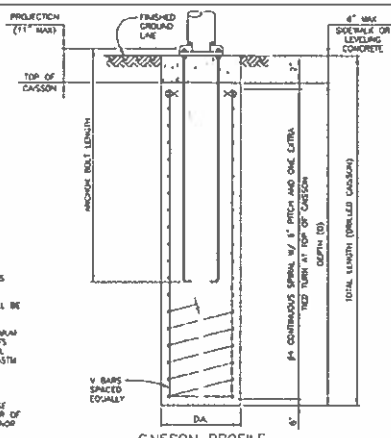
ANCHOR BOLTS

- (4) 2" DIAMETER ANCHOR BOLTS PER CAISSON WITH (2) 2" HEX AND (2) 2" WASHERS PER BOLT WITH THREADED END GALVANIZED TO AT LEAST 12" FROM END
- LENGTH, THREAD LENGTH, HOOK LENGTH, AND DIAMETER OF EACH ANCHOR BOLT SHALL BE AS NOTED ABOVE IN DETAIL.
- ANCHOR BOLTS SHALL BE MEDIUM STRENGTH, WELD STEEL OR ALLOY STEEL WITH MINIMUM DESIGN YIELD STRENGTH OF ASTM A193A GRADE 35, OR 35 KSI. ALLOY ANCHOR BOLTS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A193B GRADE B7. MEDIUM STRENGTH WELD STEEL ANCHOR BOLTS SHALL CONFORM TO THE REQUIREMENTS OF A MODIFIED ASTM A36 (WITH 55 KSI YIELD STRENGTH), OR ASTM A372 GRADE 55
- WELDED SPlicing OF A ROD MATERIAL, FOR ANCHOR BOLTS WILL NOT BE PERMITTED.
- THREADS FOR ANCHOR BOLTS SHALL BE ROLLED OR CUT THREADS OF UNREFINED COARSE THREAD SERIES. ACCORDANCE WITH ANSI B1.1 FOR ROLLED THREADS. THE DIAMETER OF THE UNTHREADED PORTION SHALL NOT BE LESS THAN THE UNMACHINED DIAMETER AND MORE THAN THE MAXIMUM ANCHOR DIAMETER OF THE THREADS.
- ALL THREADS FOR BOLTS AND NUTS SHALL HAVE CLASS 2 FIT TOLERANCES IN ACCORDANCE WITH ANSI B1.1

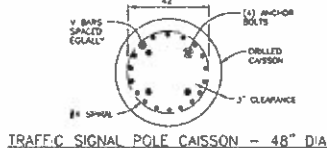
NUTS AND WASHERS

- NUTS FOR ALLOY STEEL ANCHOR BOLTS SHALL CONFORM TO ASTM A193A GRADE 35 OR ASTM A193B HEAVY HEX, GRADE B7. NUTS FOR MEDIUM STRENGTH WELD STEEL ANCHOR BOLTS SHALL CONFORM TO ASTM A193A GRADE 35 OR ASTM A36, GRADE 2 OR BETTER. ALL THREADS FOR NUTS SHALL HAVE A CLASS 2B TOLERANCE IN ACCORDANCE WITH ANSI B1.1. WHEN NUTS ARE TO BE GALVANIZED, THE UNMACHINED PORTIONS SHALL BE GALVANIZED PRIOR TO CUTTING THE THREADS.
- EXPOSED NUTS SHALL BE GALVANIZED OR COATED WITH A ZINC-RICH COATING IF THE ANCHOR BOLTS ARE NOT GALVANIZED.
- WASHERS INSTALLED WITH ANCHOR BOLTS OF ANY TYPE SHALL CONFORM TO THE REQUIREMENTS OF ASTM F436 AND SHALL HAVE THE SAME FINISH OR COATING AS THE BOLT AND NUT.

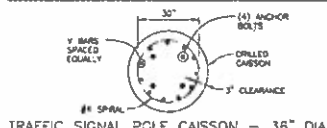
MAST ARM LENGTH (FT)	CAISSON DATA				BOLT SIZE	TOTAL
	CAISSON DIA. (IN)	DEPTH (FT)	CONCRETE STRENGTH (PSI)	CONCRETE SOIL (PSI)		
10 TO 40	36	13.0	13.0	20	F8	11
45	36	18.0	14.0	23	F8	11
50	36	18.0	14.0	22	F8	11
55	36	18.0	14.0	22	F8	11
60	48	17.0	14.5	25	F8	18
65	48	17.0	14.5	25	F8	18
70	48	17.0	14.5	25	F8	18
80 (ON ORDER)	36	18.0	13.5	22	F8	11



CAISSON PROFILE



TRAFFIC SIGNAL POLE CAISSON - 48" DIA.



TRAFFIC SIGNAL POLE CAISSON - 36" DIA.

GENERAL NOTES

- DESIGN OF FOUNDATIONS IS BASED ON TRAFFIC SIGNAL POLE CONFIGURATIONS PROVIDED BY WILCOX INDUSTRIES, INC. DRAWING NO. D80214 REV. C FOR THE CITY & COUNTY OF DENVER AND 1025 ENERGY OF COLORADO. REFER TO CITY & COUNTY OF DENVER TRAFFIC STANDARD DRAWINGS FOR ANY ADDITIONAL TRAFFIC POLE INFORMATION.
- DESIGN CRITERIA, AASHTO - STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS, 2001 EDITION.
- A DESIGN WIND VELOCITY OF 120 MPH HAS BEEN USED FOR THE DESIGNS HEREIN.
- ALL FOUNDATIONS ON THIS SHEET ARE FOR SINGLE MAST ARM POLES, EXCEPT AS NOTED.
- THE DESIGNER HEREIN ASSUMES THAT SIGNALS ARE INSTALLED WITHIN THE ROADWAY PRISM WITH THE FOLLOWING SOIL PARAMETERS:
SOIL DENSITY = 110 LB/CU FT
SOIL COHESION = 750 LB/PSF FOR MEDIUM STIFF COHESIVE SOIL
SOIL ϕ ANGLE = 30° FOR MEDIUM DENSE COHESIONLESS SOIL
 $SP = 1.25$ FOR TORSIONAL RESISTANCE AND 3.0 FOR FLEXURAL RESISTANCE
- CONTACT THE ENGINEER IF ANY OF THE FOLLOWING SOIL CONDITIONS ARE ENCOUNTERED DURING DRILLING:
(A) SIGNALS WILL NOT BE INSTALLED WITHIN THE ROADWAY PRISM
(B) THE SOIL HAS A HIGH ORGANIC CONTENT OR CONSISTS OF SATURATED SILT AND CLAY
(C) THE SITE DOES NOT SUPPORT THE WEIGHT OF THE DRILLING RIG
(D) THE FOUNDATION SOILS ARE NOT HOMOGENEOUS
(E) FIRM BEDROCK IS ENCOUNTERED
(F) CAVING SOILS
(G) DRIFT/CLAY
(H) EXPANSIVE SOILS
(I) TRASH
(J) BOTTOM OF CAISSON WILL EXTEND BELOW BOTTOM OF ANY ADJACENT BUILDING OR RETAINING WALL FOUNDATION
(K) SLOPES GREATER THAN 10%
- CAISSONS SHALL BE PLACED AGAINST UNDISTURBED EARTH.
- CAISSONS SHALL BE CONSTRUCTED WITH AN ENRICHED C20 CLASS BE CONCRETE IN ACCORDANCE WITH SECTION 503 OF THE STANDARD SPECIFICATIONS. REINFORCING STEEL SHALL BE GRADE 60.
- CAISSON CONCRETE SHALL REACH THE SEVEN DAY PREDICTED STRENGTH PRIOR TO INSTALLING THE SIGNAL STRUCTURE.
- FOUNDATION TO BE PROVIDED WITH 3 CONCRETE STUB OUTS (2 - 3' & 1 - 2') DIRECTION TO BE DETERMINED BY CITY & COUNTY OF DENVER ENGINEER AND TO BE CONSIDERED AS PART OF THE FOUNDATION BID ITEM.
- BASE PLATE, NUTS AND NUT COVERS TO BE FURNISHED BY POLE MANUFACTURER. ANCHOR BOLTS ARE TO BE FURNISHED BY THE CONTRACTOR AND ARE INCLUDED IN THE COST OF THE FOUNDATION.
- FOUNDATION SHALL BE PAID BY THE FEET OF DEPTH DRILLED. USE OF THE SHORTER FOUNDATION FOR COHESIONLESS SOIL SHALL BE ALLOWED ONLY BY APPROVAL OF THE CDD TRAFFIC ENGINEER.
- PLUMBING OF PILES SHALL BE ACCOMPLISHED BY ADJUSTING NUTS AFTER LOADING OF MAST ARM.
- EACH END OF CAISSON TIES TO BE TERMINATED WITH A 135° HOOK AROUND A LONGITUDINAL BAR.
- DESIGN IS BASED ON A HORIZONTAL ORLAND SURFACE CONDITION IN THE VICINITY OF THE CAISSON. CAISSONS SHOULD NOT BE INSTALLED AT SITES WITH A SLOPE EXCEEDING 10 PERCENT.
- LEVELING CONCRETE SHALL BE 6000 PSI CLASS B AIR ENRICHED CONCRETE.
- YIELD STRESS OF REINFORCING STEEL SHALL BE MINIMUM 60,000 PSI.

CITY & COUNTY OF DENVER
SIGNAL POLE FOUNDATION

STD DWG NO
16.1.8
DATE
1/12/12

Last Modification Date: Drawing File Name: 1102151-PS-319-CDD Standard Traffic Bolls.dwg Horizontal Scale: 1/2" = 1'-0" Vertical Scale: As Noted	Sheet Revisions Date: _____ Comments: _____	City and County of Denver Department of Public Works Engineering Division 201 W. Colfax, Dept 508 Denver, CO 80202	As Constructed No Person: _____ Permitted: _____ Void: _____	FEDERAL BLVD. RECON. - 5TH AVE. TO HOWARD PLACE CITY AND COUNTY OF DENVER TRAFFIC STANDARD DRAWINGS Designer: _____ Designer Signature: _____ Designer Title: _____ Designer Number: _____ Sheet Number: 9 of 40	Project No./Code RHPD 2573-172 SA 19957 2011-PROJMSIP-0000161 Sheet Number: 909
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AD SUBMITTAL - JANUARY 2, 2018

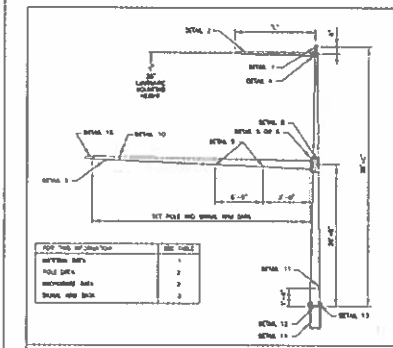
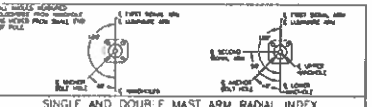
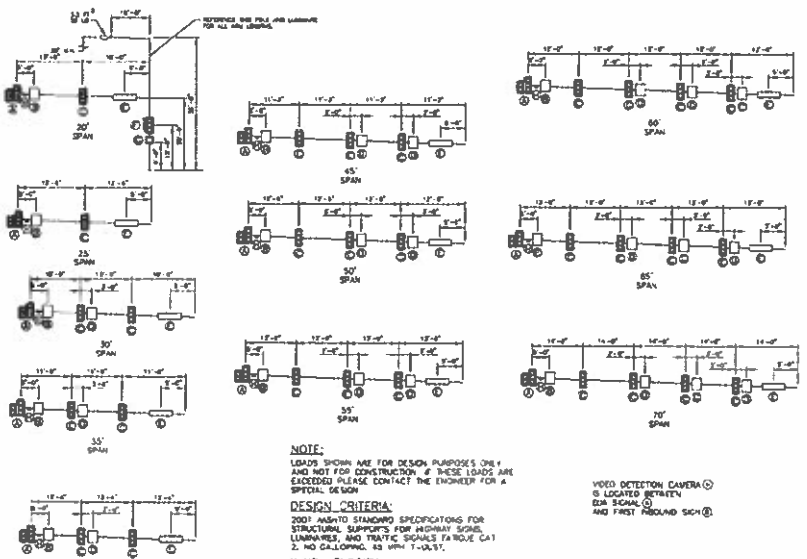
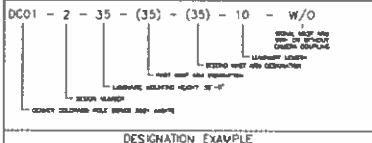


TABLE 1 MATERIAL DATA

COMPONENT	TYPE	HEIGHT (FEET)	WIDTH (INCHES)	DEPTH (INCHES)
POLE SECTIONS - 150 DIPS	150 DIPS	24	12	4
	150 DIPS	24	12	4
POLE SECTIONS - 150 DIPS	150 DIPS	24	12	4
	150 DIPS	24	12	4
POLE SECTIONS - 150 DIPS	150 DIPS	24	12	4
	150 DIPS	24	12	4
POLE SECTIONS - 150 DIPS	150 DIPS	24	12	4
	150 DIPS	24	12	4
POLE SECTIONS - 150 DIPS	150 DIPS	24	12	4
	150 DIPS	24	12	4



DEVICE	DESCRIPTION	PROJ. AREA (FT ²)	WEIGHT (LBS)
1	1" x 6" REC. SIGN, 6\"/>		

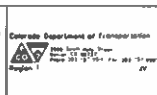
CITY & COUNTY OF DENVER
MAST ARM POLE LOADS

STD DWG NO
16.19
DATE
1/12/12

LAST MODIFICATION DATE	BY

Drawing File Name: 1102156-950-978-C20 Standard Traffic Details.dwg
Horizontal Scale: 1:2
Vertical Scale: As Noted

Sheet Revisions	
Date	Comments

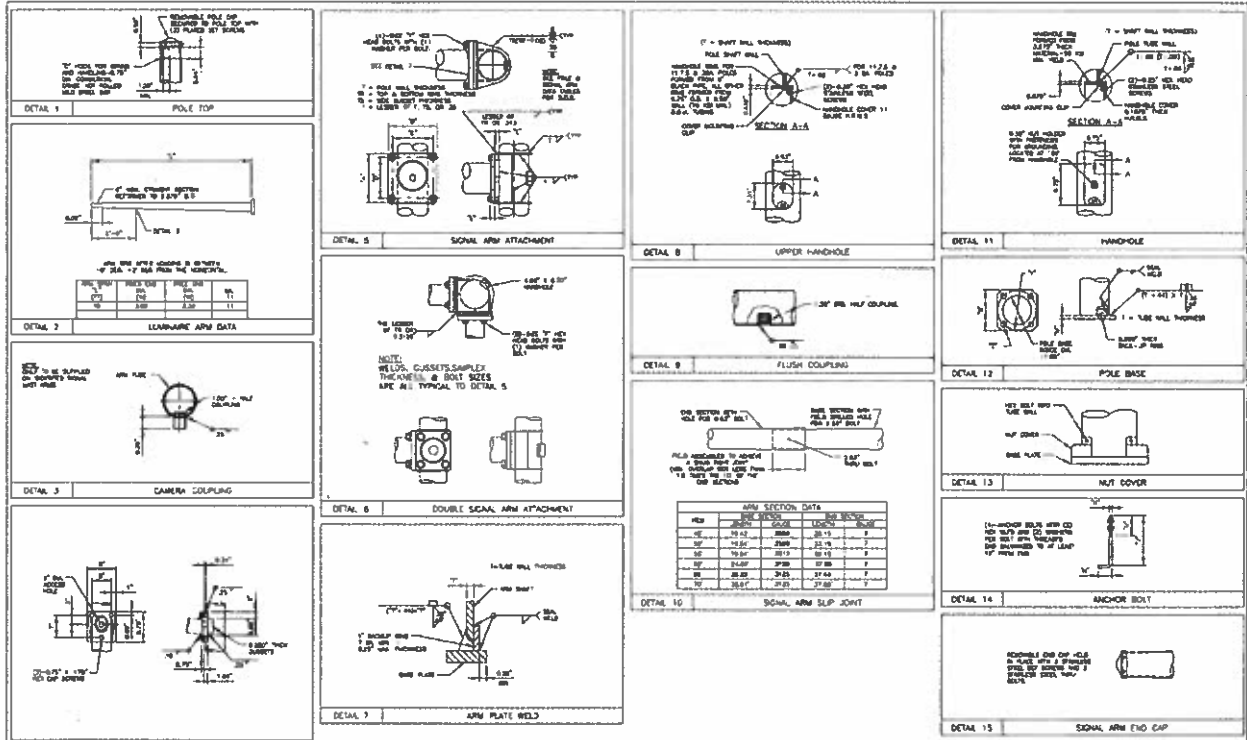


As Constructed
No Revisions
Revised
Date

FEDERAL BLVD. RECON. - 5TH AVE. TO HOWARD PLACE
CITY AND COUNTY OF DENVER
TRAFFIC STANDARD DRAWINGS

Designer: _____
Detailer: _____
Sheet: _____ of _____

Project No./Code
110PP 2833-172
SA 19957
2011-PP0.4512-0000264
Sheet Number **910**



CITY & COUNTY OF DENVER
MOUNTING DETAILS

STD DWG NO
18 1.10
DATE
01/12/2012

Last Modification Date: 7/11/2011
Drawing File Name: 1102-20-150-175-02 Standard Traffic Details.dwg
Horizontal Scale: 1/2
Vertical Scale: As Noted

Sheet Revisions	
Date	Comments

City and County of Denver
Department of Public Works
Engineering Division
201 • Center, Denver 80202

As Constructed
No. 18-0000
Revised
Void

FEDERAL BLVD. RECON. - 5TH AVE. TO HOWARD PLACE
CITY AND COUNTY OF DENVER
TRAFFIC STANDARD DRAWINGS
Project No./Code
NHPP 7873-172
SA 19957
2011-P20-MSTD-0000284
Sheet Number 911

Vertical Scale: 3/8" = 1'-0"
Horizontal Scale: 1/2" = 1'-0"
Drawing File Name: 1102-20-150-175-02 Standard Traffic Details.dwg
Drawing Date: 7/11/2011
Drawing Title: Standard Traffic Details

TABLE 2: POLE DATA


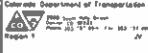
POLE SERIES	DESIGN NUMBER	SINGLE ARM SPAN (FT)	DOUBLE ARM SPANS		POLE TUBE				POLE BASE				ANCHOR BOLT			
			1st ARM SPAN (FT)	2nd ARM SPAN (FT)	BASE O.D. (IN)	TOP O.D. (IN)	LENGTH (FT)	THICK (IN)	SQUARE "S" (IN)	BOLT CIRCLE "BC" (IN)	TRK "TR" (IN)	POLE SET SLOPE "SC" (IN)	DN "DN" (IN)	LENGTH "L" (IN)	HOOK "H" (IN)	THREAD LENGTH "TL" (IN)
DD01	1	20, 25, 30, 35 & 40	N/A	N/A	15.50	10.80	35.00	1.675	21.00	20.00	2.00	2.25	2.00	84.00	6.00	10.00
DD01	2	45, 50 & 55	N/A	N/A	17.00	12.10	35.00	2.188	23.00	22.00	2.00	2.25	2.00	84.00	6.00	10.00
DD01	3	60, 65, & 70	N/A	N/A	19.50	14.80	35.00	2.500	26.00	25.00	2.00	2.25	2.00	84.00	6.00	10.00
DD01	4	N/A	20 THRU 40	30 THRU 40	15.50	10.80	35.00	2.500	23.00	22.00	2.00	2.25	2.00	84.00	6.00	10.00

MAXIMUM ARM LENGTH COMBINATION FOR DUAL CONFIGURATION ARE 40'-0" / 40'-0". ARM LENGTHS EXCEEDING THESE WILL REQUIRE A SPECIAL POLE DESIGN

TABLE 3: SIGNAL ARM DATA

SIGNAL ARM TUBE				SIGNAL ARM SIMPLEX					
MAXIMUM ARM SPAN (FT)	FIXED END DIA (IN)	SMALL END DIA (IN)	GUAGE	A x B (IN)	C x D (IN)	THICKNESS (IN)	BOLT SIZE (IN)	QUISSET THICKNESS (IN)	ANGLE OF RISE IN ARM
20.00	8.00	6.20	7	21.75 x 21.75	18.00 x 18.00	1.75	1.50 x 3.75	.375	0.00°
25.00	10.00	6.50	7	21.75 x 21.75	18.00 x 18.00	1.75	1.50 x 3.75	.375	0.50°
30.00	12.00	7.80	5	21.75 x 21.75	18.00 x 18.00	1.75	1.50 x 3.75	.375	0.50°
35.00	12.50	7.80	5	21.75 x 21.75	18.00 x 18.00	1.75	1.50 x 3.75	.375	1.00°
40.00	13.00	8.90	3	21.75 x 21.75	18.00 x 18.00	1.75	1.50 x 3.75	.375	1.50°
45.00	14.00	8.08	SEE DETAIL TO SHEET 18.10	23.25 x 23.25	19.50 x 19.50	2.00	1.50 x 4.25	.500	1.50°
50.00	15.00	8.36	SEE DETAIL TO SHEET 18.10	23.25 x 23.25	19.50 x 19.50	2.00	1.50 x 4.25	.500	1.50°
55.00	15.00	7.64	SEE DETAIL TO SHEET 18.10	23.25 x 23.25	19.50 x 19.50	2.00	1.50 x 4.25	.500	2.00°
60.00	15.75	7.71	SEE DETAIL TO SHEET 18.10	23.25 x 26.25	22.50 x 22.50	2.00	1.50 x 4.25	.500	2.00°
65.00	16.50	7.76	SEE DETAIL TO SHEET 18.10	26.25 x 26.25	22.50 x 22.50	2.00	1.50 x 4.25	.500	2.00°
70.00	17.25	7.81	SEE DETAIL TO SHEET 18.10	26.25 x 26.25	22.50 x 22.50	2.00	1.50 x 4.25	.500	3.50°

CITY & COUNTY OF DENVER		STD DWG NO 18.1.11
TABLE DATA		DATE 1/12/12

Issue Modification Date: _____ Drawing Title Name: 3102118-350-075-010 Standard Traffic Details Horizontal Scale: 1" = 20' Vertical Scale: As Shown	Sheet Revisions Date: _____ Comments: _____ Init: _____	 City and County of Denver Department of Public Works Engineering Division 291 W. Colfax, Dept. 528 Denver, CO 80202	 Colorado Department of Transportation 1500 Sherman Street, Suite 200 Denver, CO 80202 Region 1	As Constructed No Permits No Lead No ID	FEDERAL BLDG. RECON. - 5TH AVE. TO HOWARD PLACE CITY AND COUNTY OF DENVER TRAFFIC STANDARD DRAWINGS Designer: _____ Detailer: _____ Sheet Subst: _____	Project No./Code 11499 1613-1"2 SA 19957 2011-PPO/MSIP-0000354 Sheet Number 912
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NOTE FOR CONSTRUCTION
DESIGN NO. 5

REVISION	DESCRIPTION	DATE	BY	CHKD
A	REVISED TO SHOW 1/2" DIA. BOLT FOR 1/2" DIA. NUT	11/24	AD	
B	REVISED TO SHOW 1/2" DIA. BOLT	1/25	AD	

MATERIAL DATA

COMPONENT	QTY	DESCRIPTION	GRADE	WGT (LBS)	WGT (KGS)
POLE SHIRT	1	1/2" DIA. X 1/2" DIA. X 1/2" DIA. GALV. STEEL	A36	4.5	2.0
POLE SHIRT	1	1/2" DIA. X 1/2" DIA. X 1/2" DIA. GALV. STEEL	A36	4.5	2.0
POLE SHIRT	1	1/2" DIA. X 1/2" DIA. X 1/2" DIA. GALV. STEEL	A36	4.5	2.0
POLE SHIRT	1	1/2" DIA. X 1/2" DIA. X 1/2" DIA. GALV. STEEL	A36	4.5	2.0
POLE SHIRT	1	1/2" DIA. X 1/2" DIA. X 1/2" DIA. GALV. STEEL	A36	4.5	2.0
POLE SHIRT	1	1/2" DIA. X 1/2" DIA. X 1/2" DIA. GALV. STEEL	A36	4.5	2.0

TABLE 2: POLE DATA

QTY	POLE SERIES	DESCR. NUMBER	SINGLE ARM SPAN (FT)	POLE TUBE				POLE BASE				ANCHOR BOLT			
				SIZE (IN)	WALL THICK (IN)	LENGTH (FT)	WGT (LBS)	SIZE (IN)	WALL THICK (IN)	LENGTH (FT)	WGT (LBS)	SIZE (IN)	WALL THICK (IN)	LENGTH (FT)	WGT (LBS)
0001	5		0.0	4.5	0.1875	17.0	12.00	13.00	1.25	1.25	1.25	4.00	0.50	1.00	6.20

DETAIL 1: POLE TOP
1/2" DIA. X 1/2" DIA. X 1/2" DIA. GALV. STEEL

DETAIL 2: LUMINAIRE ARM DATA
1/2" DIA. X 1/2" DIA. X 1/2" DIA. GALV. STEEL

DETAIL 3: LUMINAIRE ARM ATTACHMENT
1/2" DIA. X 1/2" DIA. X 1/2" DIA. GALV. STEEL

DETAIL 4: HANGHOLE
1/2" DIA. X 1/2" DIA. X 1/2" DIA. GALV. STEEL

DETAIL 5: POLE BASE
1/2" DIA. X 1/2" DIA. X 1/2" DIA. GALV. STEEL

DETAIL 6: NUT COVER
1/2" DIA. X 1/2" DIA. X 1/2" DIA. GALV. STEEL

DETAIL 7: ANCHOR BOLT
1/2" DIA. X 1/2" DIA. X 1/2" DIA. GALV. STEEL

RADIAL INDEX

CITY & COUNTY OF DENVER
LUMINAIRE DETAILS
STD DWG NO 18.1.12
DATE 1/12/12

1811 Modification Date: 1/12/12
Drawing File Name: 1102150-150-114-001 Standard Logic Detail 04
Horizontal Scale: 1/2"
Vertical Scale: As Noted

Sheet Revisions

Date	Comments	By

City and County of Denver
Department of Public Works
Engineering Division
291 W. Colfax, Dept. 505
Denver, CO 80202

Colorado Department of Transportation
Section 1
Standard Drawing 1102150-150-114-001

As Constructed

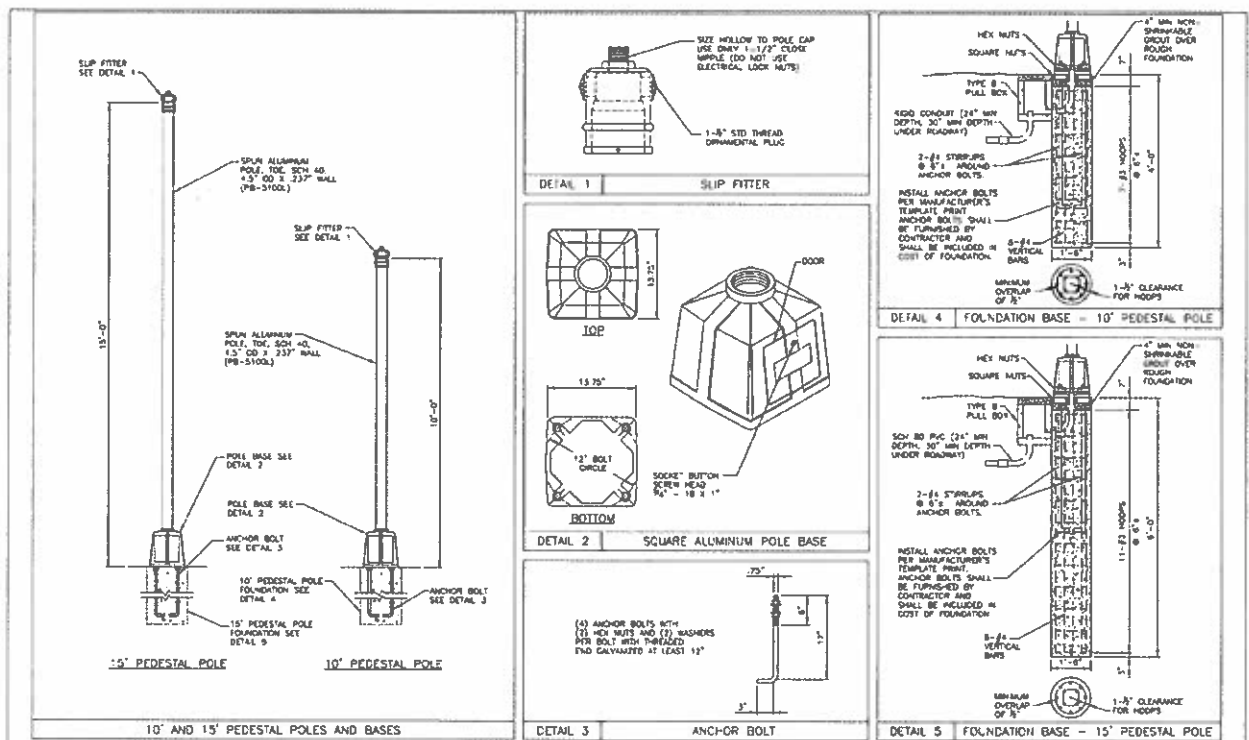
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FEDERAL BLDG. RECON. - 5TH AVE. TO HOWARD PLACE
CITY AND COUNTY OF DENVER
TRAFFIC STANDARD DRAWINGS

Designer: Structure
Checker: SPF
Sheet Subject: 150 Subset Sheets 13 of 40

Project No./Code
11HPP 2873-112
SA 19957
2011-PROJ/MSTR-0000164
Sheet Number 913

Vertical Scale: As Noted

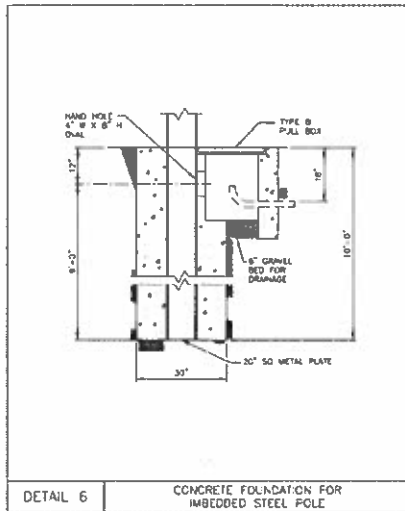


NOTE: COST OF FOUNDATION IS INCIDENTAL TO THE COST OF THE POLE.

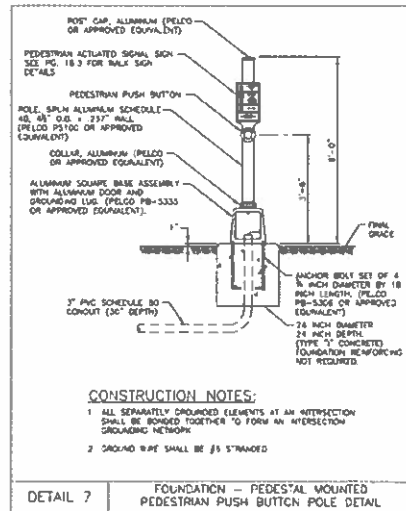
CITY & COUNTY OF DENVER
PEDESTAL POLE DETAILS

STD DWG NO
18.1.13
DATE
1/17/12

Last Modification Date: 8/16/12 Drawing File Name: 1162128-1654-478-020 Standard Traffic Drawing Horizontal Scale: 1/2" = 1'-0" Vertical Scale: As Noted	Sheet Revisions Date Comments PNL	City and County of Denver Department of Public Works Engineering Center 281 N. Colfax, Dept. 506 Denver, CO 80202	Colorado Department of Transportation 1500 North Lincoln Street, Suite 100 Denver, CO 80202 Region 1	As Constructed No Persons Revised Void	FEDERAL BLD. RECON. - 5TH AVE. TO HOWARD PLACE CITY AND COUNTY OF DENVER TRAFFIC STANDARD DRAWINGS Designer: Structure Checker: SFR Numbers Sheet Subst: 150 Sheet Sheets: 16 of 40	Project No./Code SHPP 2873-172 SA 19957 2011-PPDJMTR-0000361 Sheet Number: 914
				Approved: _____ Date: _____		



DETAIL 6 CONCRETE FOUNDATION FOR IMBEDDED STEEL POLE



DETAIL 7 FOUNDATION - PEDESTAL MOUNTED PEDESTRIAN PUSH BUTTON POLE DETAIL

CONSTRUCTION NOTES:
 1 ALL SEPARATELY GROUNDED ELEMENTS AT AN INTERSECTION SHALL BE BONDED TOGETHER TO FORM AN INTERSECTION GROUNDING NETWORK.
 2 GROUND WIRE SHALL BE #5 STRANDED

CITY & COUNTY OF DENVER
 POLE FOUNDATION DETAILS

STD DWG NO
 18.1.14
 DATE
 1/12/12

Last Modification Date: Inl
 Drawing File Name: 110238-950-478-C20 Standard Traffic Signs by
 Horizontal Scale: 1/2" = 1'-0"
 Vertical Scale: As Noted

Sheet Revisions		
Date	Comments	Inl



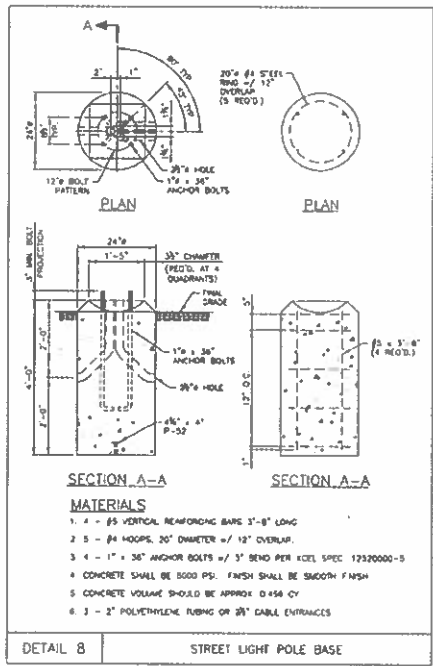
City and County of Denver
 Department of Public Works
 Engineer of Design
 291 W. Colfax, Denver 80202

As Constructed
 No Permits
 Revised
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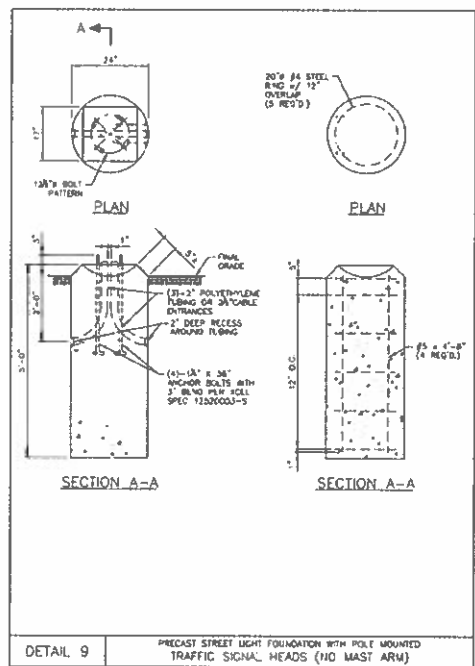
FEDERAL BLVD. RECON - 5TH AVE TO HOWARD PLACE
 CITY AND COUNTY OF DENVER
 TRAFFIC STANDARD DRAWINGS
 Designer: Structure
 Checker: SPS
 Sheet Subject: 150 Sublet Sheets 15 of 40

Project No./Code
 11HPP 2273-172
 SA 19957
 2011-PPQ/MSTP-0000364
 Sheet Number: 915

Denver Public Works
 5/6/2012
 4/11/2012



FOR INFORMATION ONLY



- NOTES:**
1. ALL FOUNDATION DETAILS SHALL BE SUBMITTED TO XCEL ENERGY AND CITY & COUNTY OF DENVER TRAFFIC ENGINEERING SERVICES. NO FOUNDATIONS SHALL BE INSTALLED UNTIL SUBMITTALS HAVE BEEN ACCEPTED BY XCEL ENERGY.
 2. ALL FOUNDATIONS INSTALLED FOR XCEL FACILITIES BECOME THE PROPERTY OF XCEL ENERGY UPON ACCEPTANCE OF THE PROJECT.
 3. ALL FOUNDATIONS SHALL BE PRECAST PER THE DETAILS PROVIDED.
 4. FOR CITY PROJECTS WITH FEDERAL MONEY ATTACHED, THE CONTRACTOR SHALL PROVIDE AND INSTALL FOUNDATIONS PER XCEL ENERGY REQUIREMENTS.

CITY & COUNTY OF DENVER
 FOUNDATIONS FOR XCEL FACILITIES

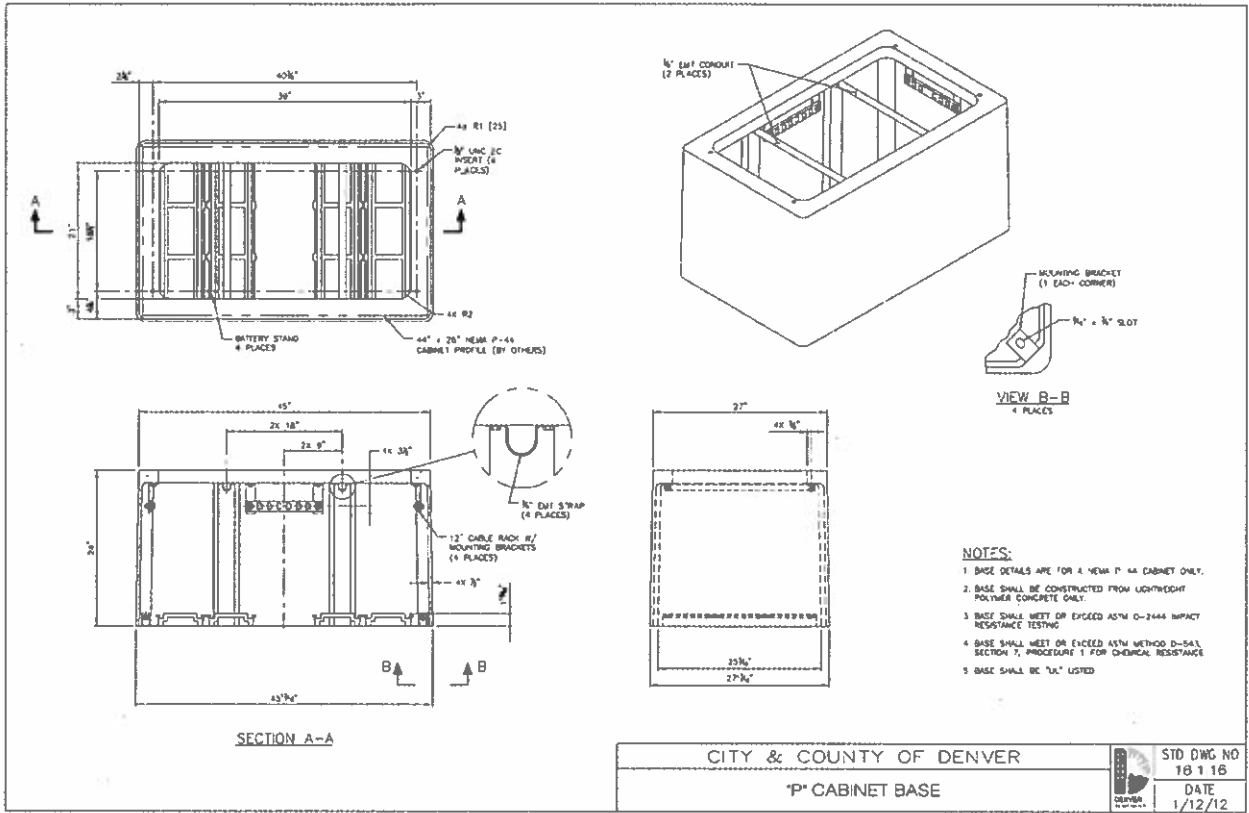
STD DWG NO
 18 1 15
 DATE
 1/12/12

Last Modification Date: 5/11/12 Drawing File Name: 1102128-158-178-128 Standard Traffic Website Horizontal Scale: 1:2 Vert Scale: As noted	Sheet Revisions <table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>REVISION</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>5/11/12</td> <td>ISSUED FOR PERMIT</td> </tr> </tbody> </table>	NO.	DATE	REVISION	1	5/11/12	ISSUED FOR PERMIT
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City and County of Denver Department of Public Works Engineering Division 201 W. Colfax, Dept 500 Denver, CO 80202	Colorado Department of Transportation 8885 North Academy Blvd. Denver, CO 80231 Phone: 303.733.1600 Fax: 303.733.1601
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As Constructed No Revisions Revised Void	FEDERAL BLVD. RECON. - 5TH AVE. TO HOWARD PLACE CITY AND COUNTY OF DENVER TRAFFIC STANDARD DRAWINGS Designer: Structure Detaler: SPF Sheet Subset: 750 Subset Sheets 16 of 42
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Project No./Code 1100D 2633-172 SA 19957 2011-PPD-NSR-0000563 Sheet Number 916
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CITY & COUNTY OF DENVER

1'P CABINET BASE

	STD DWG NO 18 1 16 DATE 1/12/12
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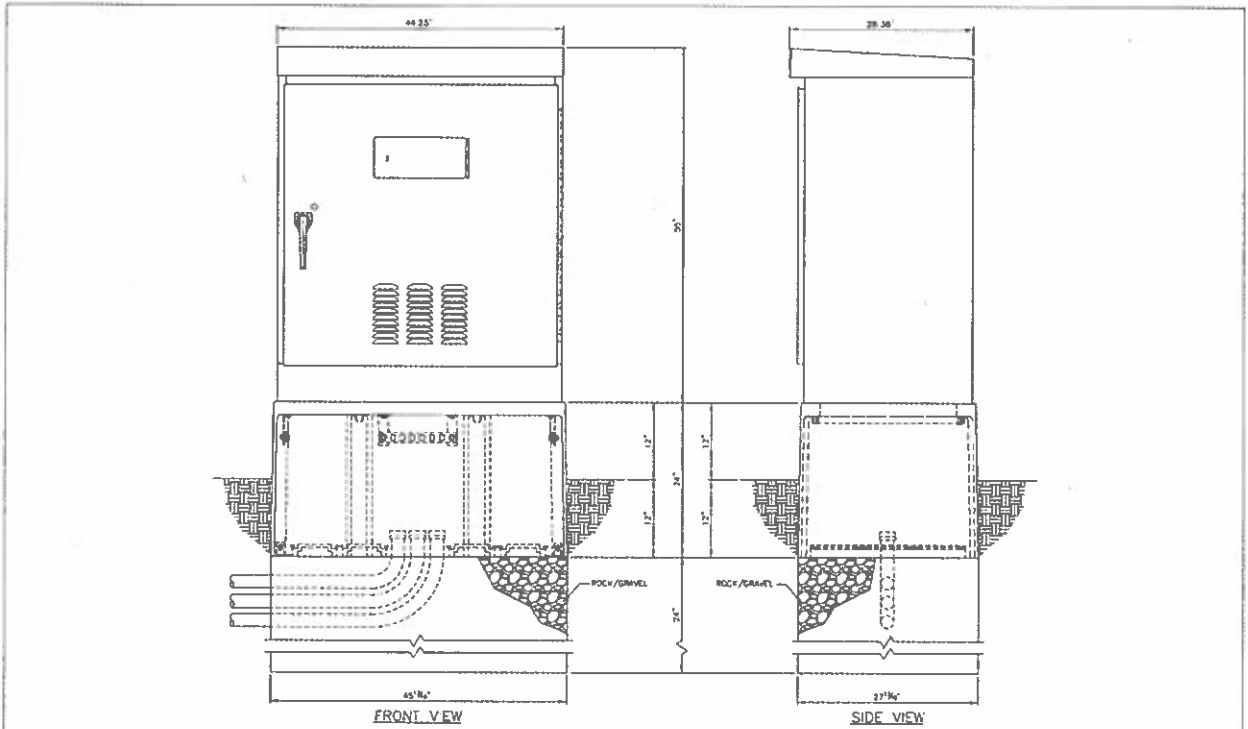
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	City and County of Denver Department of Public Works Engineering Division 201 W. Colfax, 30th 508 Denver, CO 80202
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Designer	Structure																		
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Sheet Subject	150 Subset Sheets 17 of 40																		

Project No./Code HNDP 2873-172 SA 19957 2011-PROJ_VSTR-0000364	Sheet Number 917
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CITY & COUNTY OF DENVER
 'P' CABINET & BASE

STD DWG NO
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 DATE
 1/12/12

Cart Modification Date: nil, SN
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Sheet Revisions	
Date	Comments



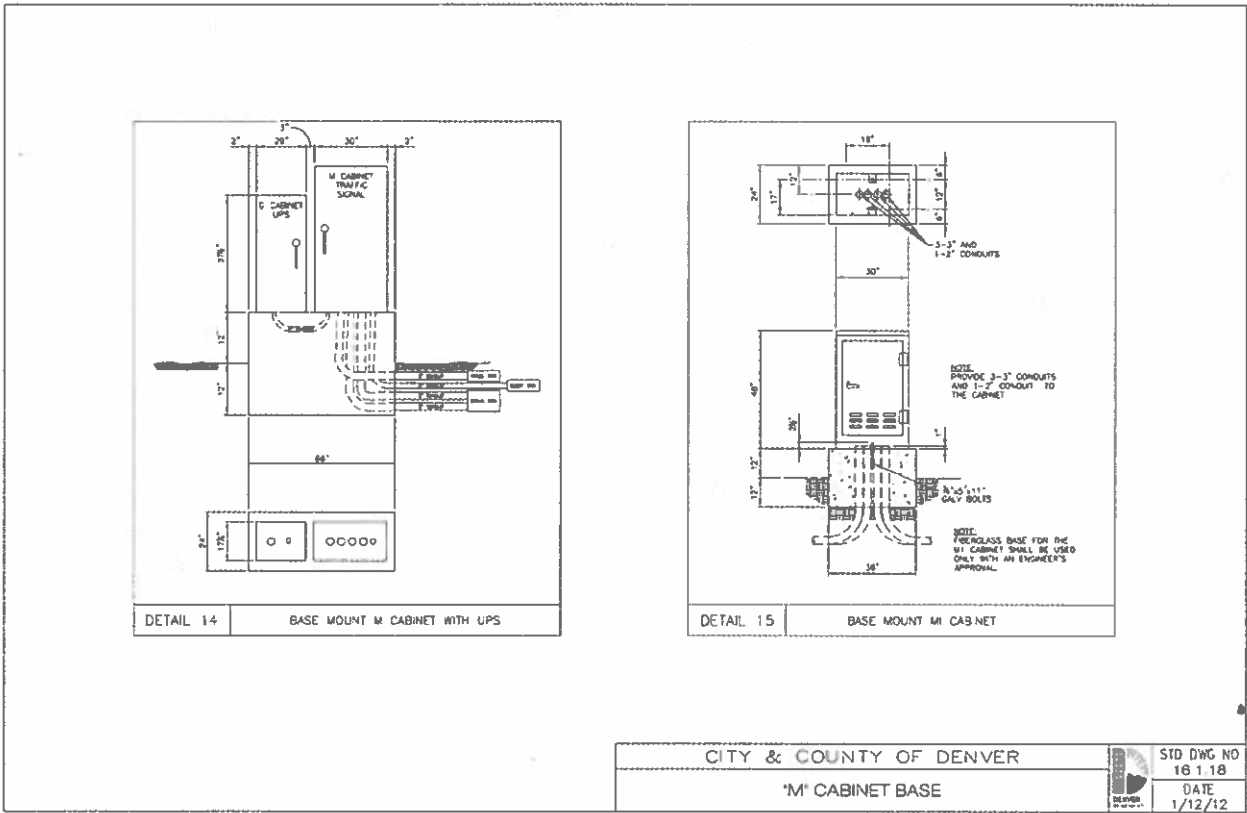
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FEDERAL BLVD. RECON. - 5TH AVE. TO HOWARD PLACE
 CITY AND COUNTY OF DENVER
 TRAFFIC STANDARD DRAWINGS

Designer: SNH
 Checker: SNH
 Sheet Subst: 150 Subst Sheets of 40

Project No./Code
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 SA 18957
 2011-PRO_MSTP-0000363
 Sheet Number 918

Sheet No.: 18 1 17 40
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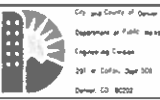


CITY & COUNTY OF DENVER
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 1/12/12

Last Modification Date: 3/4
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Sheet Revisions	
Date	Comments



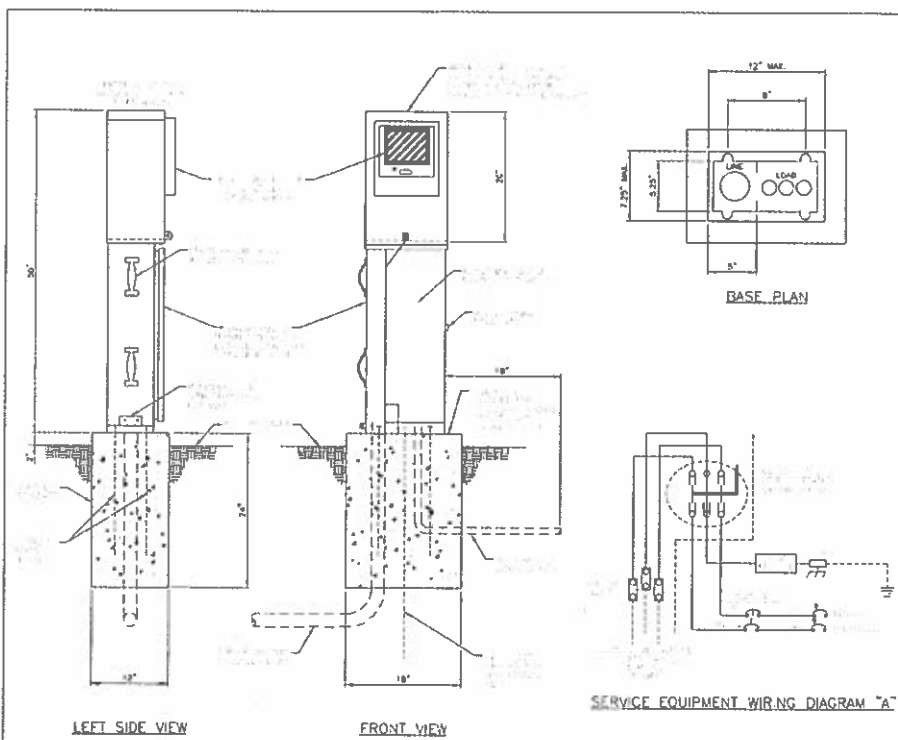
City and County of Denver
 Department of Public Works
 Engineering Division
 291 W. Colfax, Dept 308
 Denver, CO 80202

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 Permitted
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FEDERAL BLVD. RECON. - 5TH AVE. TO HOWARD PLACE
 CITY AND COUNTY OF DENVER
 TRAFFIC STANDARD DRAWINGS

Project No./Code
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 SA 19957
 2011-PRO_MSTR-0000364
 Sheet Number: 919

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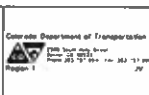


- METER PEDESTAL CONSTRUCTION NOTES:**
1. METER PEDESTAL SHALL BE UL LISTED "INDUSTRIAL CONTROL PANEL" PER UL 508.
 2. METER PEDESTAL SHALL MEET THE ELECTRIC UTILITY SERVICE EQUIPMENT REQUIREMENTS COMMITTEE (EUSERC) GUIDELINES.
 3. CONSTRUCTION SHALL BE NEMA 3R AND 12 RAIN TIGHT AND DUST TIGHT. ELECTRICALLY WELDED AND REINFORCED WHERE REQUIRED.
 4. ALL NUTS, BOLTS, SCREWS AND HINGES SHALL BE STAINLESS STEEL.
 5. NUTS, BOLTS AND SCREWS SHALL NOT BE VISIBLE FROM OUTSIDE OF METER PEDESTAL.
 6. PNEUMATIC NAME PLATES SHALL BE PROVIDED AS REQUIRED.
 7. CIRCUIT BREAKERS SHALL BE CABLE-IN-CABLE OUT WITH LINE ON TOP & LOAD ON THE BOTTOM. HANDLE POSITION UP=ON, MIDDLE="TRIPPED", DOWN=OFF.
 8. A PLASTIC COVERED WIRING DIAGRAM SHALL BE ATTACHED TO THE INSIDE OF THE FRONT DOOR.
 9. METER PEDESTAL SHALL BE FACTORY WIRED AND CONFORM TO REQUIRED NEMA STANDARDS.
 10. 0.125" ALUMINUM SHEET.
 11. CONCRETE FOUNDATIONS INCLUDING EXCAVATION BACKFILL, CONDUIT AND ANCHOR BOLTS, COMPLETE-IN PLACE, WILL BE CONSIDERED INCIDENTAL TO THE METER PEDESTAL.

CITY & COUNTY OF DENVER		STD DWG NO 16 1 19
METER PEDESTAL CABINET DETAILS		DATE 1/12/12

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Date	Comments	By



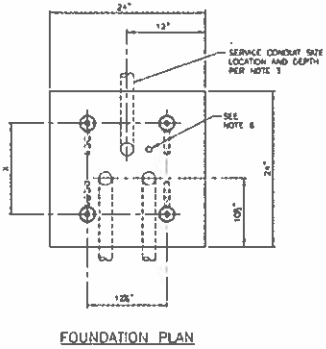
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Designer	Structure
Detailer	SPF Numbers
Sheet Submittal	150 Submittal Sheets 20 of 40

Project No./Code	710PP 1613-172 SA 19937
	2011-PP01NSTR-0000164
Sheet Number	920

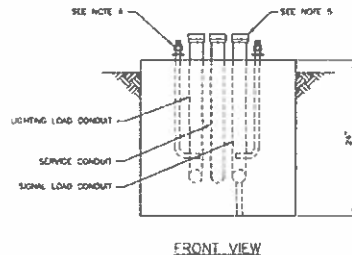
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PLP	145"

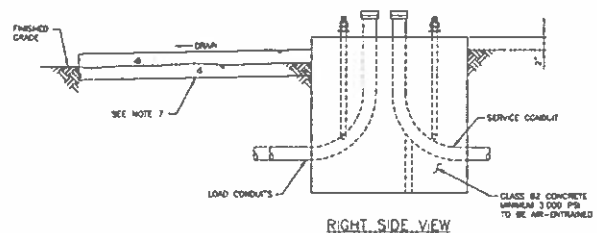


FOUNDATION PLAN

- NOTES:**
- 1 ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF THE SPECIFICATIONS.
 - 2 UNSTABLE SOIL OR STEEP SLOPE MAY REQUIRE DEEPER FOUNDATIONS. SEE SPECIFICATIONS. CABINETS SHALL NOT BE LOCATED IN DRAINAGE AREAS, UNLESS THEY ARE ELEVATED.
 - 3 CONDUIT SIZE SHALL BE 2" SCHEDULE 80 PVC.
 - 4 ANCHOR BOLTS SHALL BE GALVANNEED, 1/2" x 18" x 4" COMPLETE WITH NUTS AND WASHERS.
 - 5 CONDUIT PROJECTS ABOVE FOUNDATION SHALL BE 2" MIN TO 4" MAX. CONDUITS SHALL BE CAPPED.
 - 6 1" SLEEVE FOR GROUND ROD, EXACT LOCATION PER CABINET MANUFACTURER'S REQUIREMENTS.
 - 7 AN UNFINISHED AREA 4" RADIUS RIGID PAD 36" x 48" x 36" SHALL BE PLACED IN FRONT OF THE CABINET. THE PAD SHALL BE SET 2" BELOW THE FOUNDATION ELEVATION AND SLOPED AWAY FROM CABINET.
 - 8 CONFIRM ACTUAL ANCHOR BOLT LAYOUT DIMENSIONS AS SHOWN PER THE TABLE ON THIS DRAWING PRIOR TO CONSTRUCTION.
 - 9 A METER PEDESTAL SHALL BE PROVIDED FOR ELECTRICAL SERVICES FOR TRAFFIC SIGNALS WHEN A SEPARATE SERVICE CABINET IS SPECIFIED. THIS CABINET CAN BE USED FOR OTHER PURPOSES AS WELL. SEE PLAN.
 - 10 CABINETS SHALL BE OFFSET A MINIMUM OF 5 FT. FROM ANY ROADWAY AND 5 FT. FROM CONTROLLER CABINET, UPS CABINET, SERVICE POLE OR PAD MOUNTED TRANSFORMER.



FRONT VIEW



RIGHT SIDE VIEW

METER PEDESTAL CABINET FOUNDATION DETAIL

CITY & COUNTY OF DENVER		STD DWG NO
METER PEDESTAL CABINET FOUNDATION AND BASE		18 1.20
		DATE
		1/12/12

Last Modification Date	Nil
Drawing File Name	1102188-150-876-000 Standard Traffic Delay Sign
Horizontal Scale	1:2
Vertical Scale	As Noted

Sheet Revisions	
Date	Comments

City and County of Denver
 Department of Public Works
 Engineering Section
 201 W. Colfax, Dept 506
 Denver, CO 80202

Colorado Department of Transportation
 1000 East 170th Avenue
 Golden, CO 80641
 Region 1

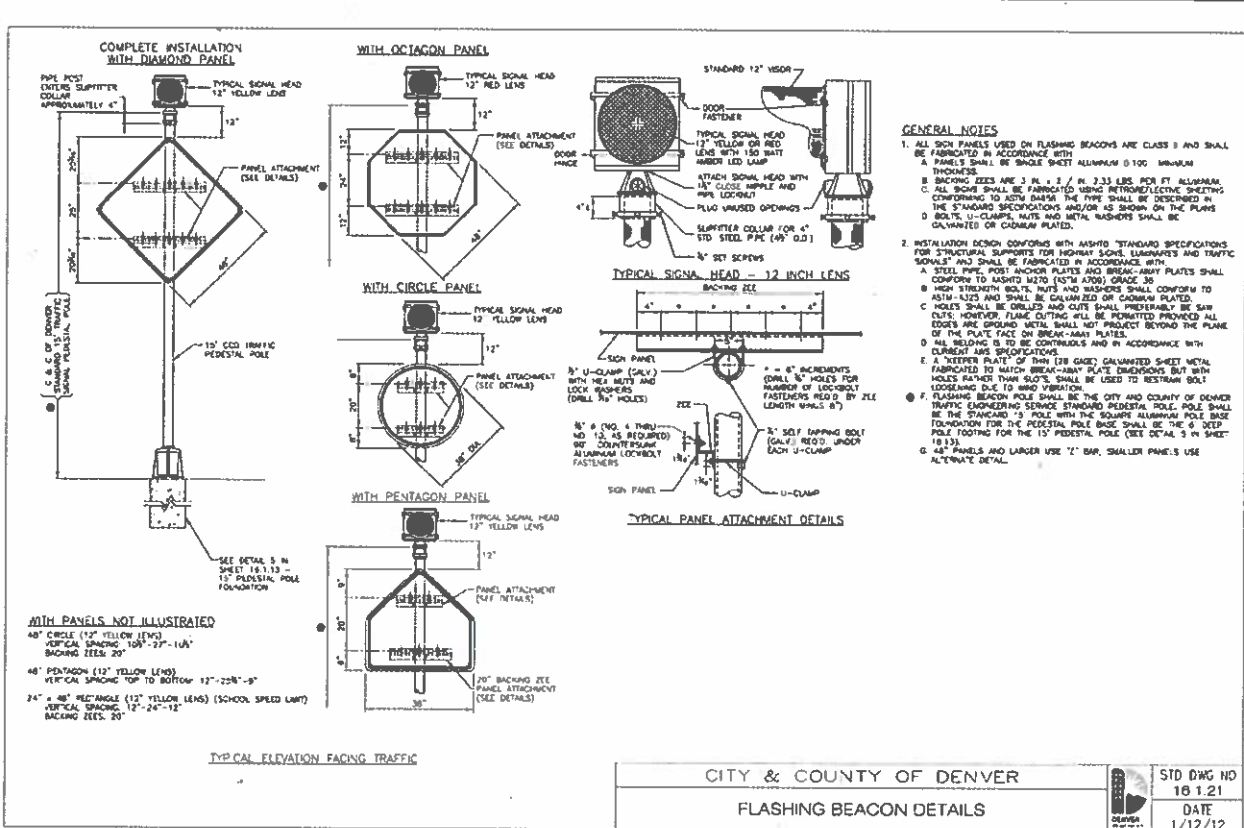
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FEDERAL BLDG RECON - 5TH AVE TO HOWARD PLACE
 CITY AND COUNTY OF DENVER
 TRAFFIC STANDARD DRAWINGS

Designer: SPS
 Detainer: SPS
 Sheet Subset: 150 Subset Sheets 21 of 40

Project No./Code
 HMPD 2873-172
 SA 19957
 2011-PPD_WSP-0000364
 Sheet Number 921

Vertical: 11/12/12
 Horizontal: 1/12/12



CITY & COUNTY OF DENVER	STD DWG NO 16.1.21
FLASHING BEACON DETAILS	DATE 1/12/12

Last Modification Date: _____
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Date	Comments	By

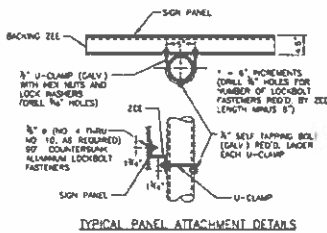
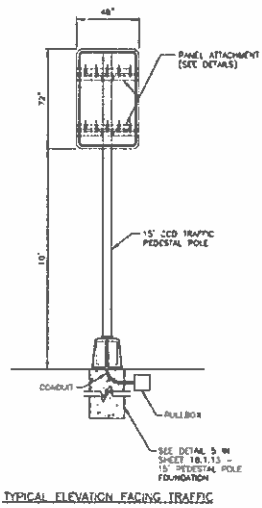


City and County of Denver
 Department of Public Works
 Engineering Division
 201 W. Colfax, Dept 506
 Denver, CO 80202

As Constructed
 No Persons
 Revised
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FEDERAL BLVD. RECON. - 5TH AVE. TO HOWARD PLACE
 CITY AND COUNTY OF DENVER
 TRAFFIC STANDARD DRAWINGS
 Designer: _____
 Detaler: SPF
 Sheet Subst: 150 Subst Sheets 27 of 40

Project No./Code
 10MPP 2873-172
 SA 1995D
 2011-PPD-WSP-0000164
 Sheet Number: 922



- GENERAL NOTES**
1. INSTALLATION DESIGN CONFORMS WITH AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LIGHTS AND TRAFFIC SIGNALS AND SHALL BE FABRICATED IN ACCORDANCE WITH:
 - A. STEEL PIPE, POST ANCHOR PLATES AND BREAK-AWAY PLATES SHALL CONFORM TO AASHTO M270 (ASTM A509) GRADE 58
 - B. HIGH STRENGTH BOLTS, NUTS AND WASHERS SHALL CONFORM TO ASTM-A325 AND SHALL BE GALVANIZED OR CADMIUM PLATED
 - C. HOLES SHALL BE DRILLED AND CUTS SHALL PREFERABLY BE SAW CUTS; HOWEVER, FLAME CUTTING WILL BE PERMITTED PROVIDED ALL EDGES ARE GROUNDED. METAL SHALL NOT PROJECT BEYOND THE PLANE OF THE PLATE FACE ON BREAK-AWAY PLATES
 - D. ALL WELDING IS TO BE CONTINUOUS AND IN ACCORDANCE WITH CURRENT AAS SPECIFICATIONS.
 - E. A "KEEPER PLATE" OF THIN (20 GAGE) GALVANIZED SHEET METAL, FABRICATED TO MATCH BREAK-AWAY PLATE DIMENSIONS BUT WITH HOLES RATHER THAN SLOTS, SHALL BE USED TO RESTRAIN BOLT LOOSENESS DUE TO WIND VIBRATION.
 - F. DRIVER FEEDBACK SIGN POLE SHALL BE MOUNTED ON THE CITY AND COUNTY OF DENVER TRAFFIC ENGINEERING SERVICE STANDARD PEDESTAL POLE. POLE SHALL BE THE STANDARD 15' POLE WITH THE SQUARE ALUMINUM POLE BASE FOUNDATION FOR THE PEDESTAL POLE BASE SHALL BE THE 6" DEEP POLE FOOTING FOR THE 15' PEDESTAL POLE (SEE DETAIL 5 IN SHEET 18.115)
 - G. BOLTS, U-CLAMPS, NUTS AND METAL WASHERS SHALL BE GALVANIZED OR CADMIUM PLATED

CITY & COUNTY OF DENVER
DRIVERS FEEDBACK SIGN DETAILS

STD DWG NO	18.1.22
DATE	1/12/12

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Date	Comments	By

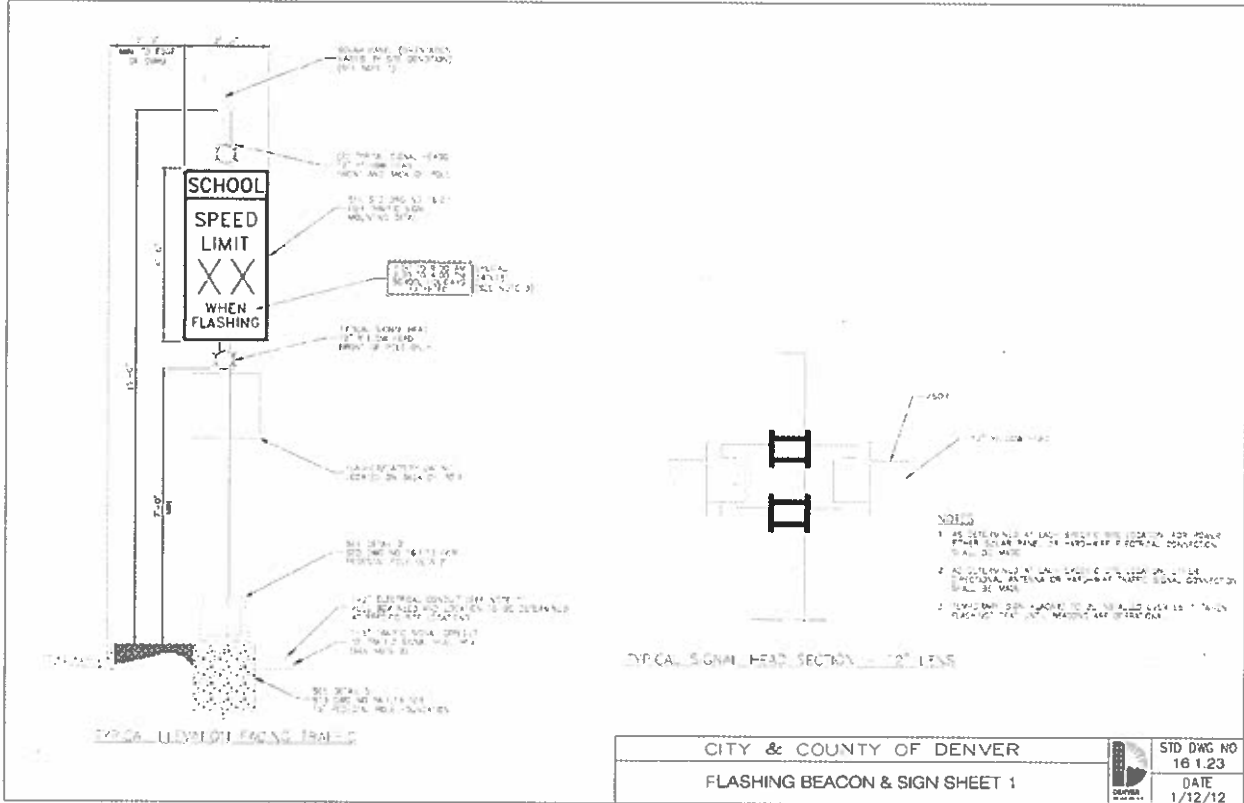


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Designer	Structure
Detailer	SPR Numbers
Sheet Subset	150 Sheet Sheets 23 of 42

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Sheet Number	2011-PPCUM51P-0000164 923

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 Vertical Scale: As Noted



CITY & COUNTY OF DENVER
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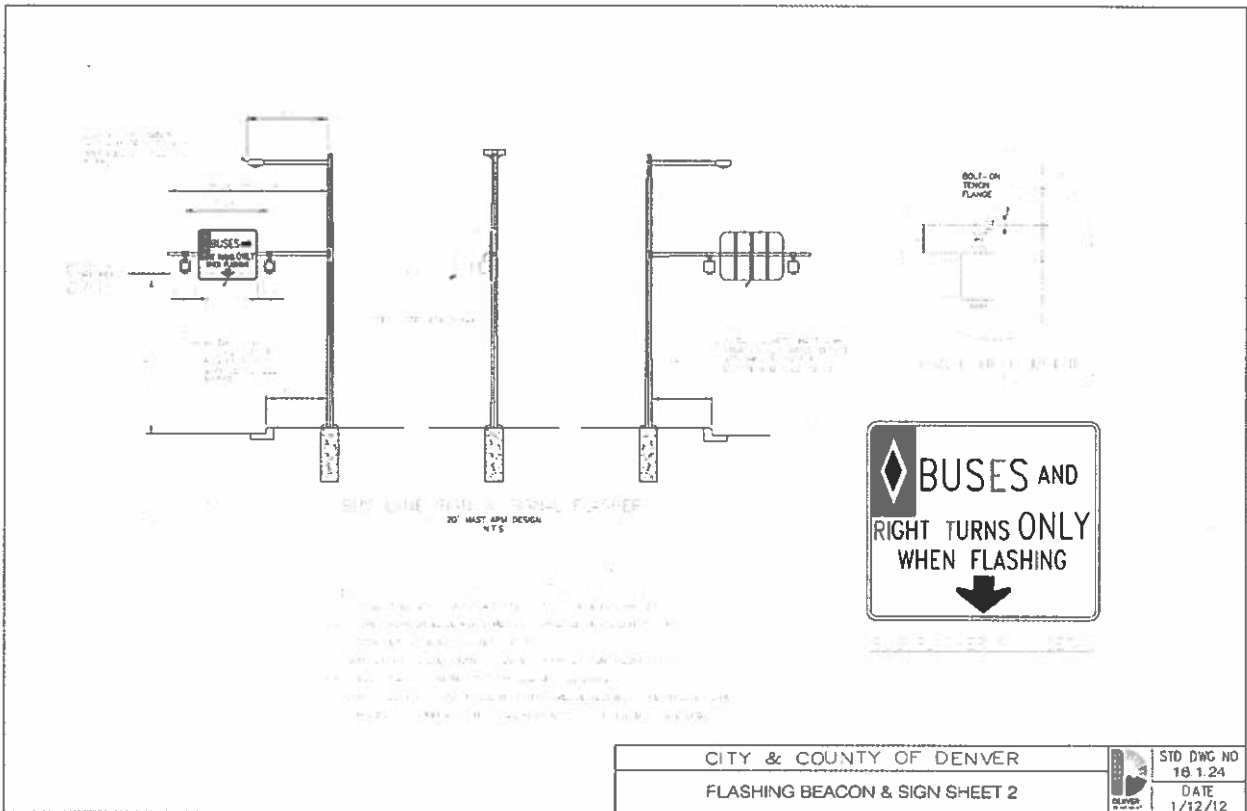
City and County of Denver
 Department of Public Works
 Engineering Division
 201 W. Colfax, Dept 300
 Denver, CO 80202

As Constructed
 No Revisions
 Revised
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FEDERAL BLVD. RECON. - 5TH AVE. TO HOWARD PLACE
 CITY AND COUNTY OF DENVER
 TRAFFIC STANDARD DRAWINGS

Designer: Structure
 Detailer: SPF
 Sheet Subset: 150 Subset Sheets 24 of 40

Project No./Code
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 SA 10057
 2011-PRD-451P-0000164
 Sheet Number 924



CITY & COUNTY OF DENVER
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STD DWG NO
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 DATE
 1/12/12

Last Modification Date: INC
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City and County of Denver
 Department of Public Works
 Engineering Division
 291 W. Colfax, Dept 300
 Denver, CO 80202

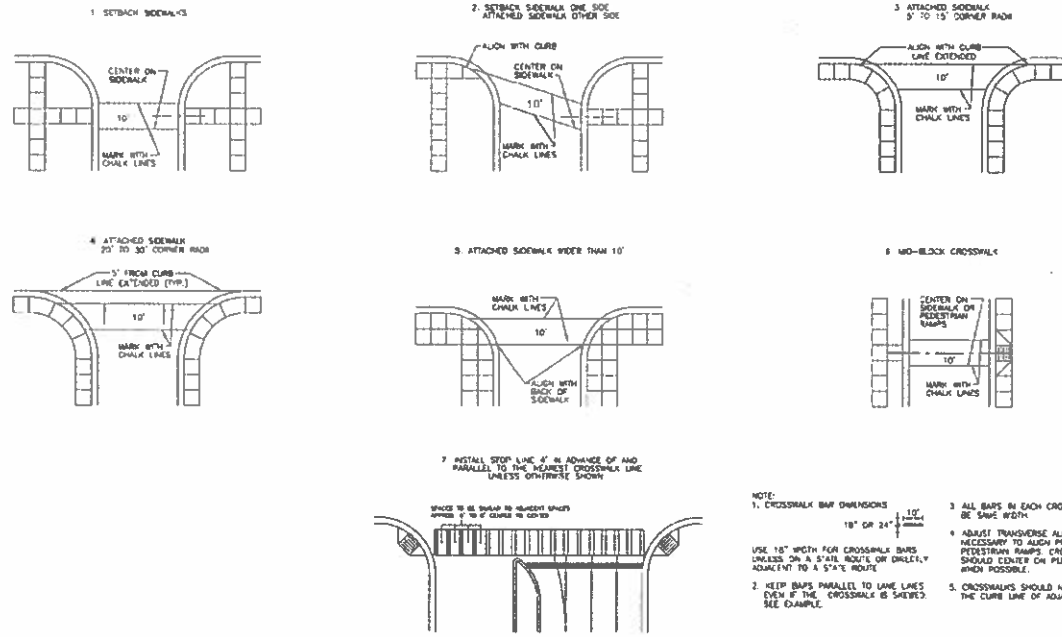
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 CITY AND COUNTY OF DENVER
 TRAFFIC STANDARD DRAWINGS

Project No./Code
 NHPD 2833-172
 SA 19957
 2011-PROJ/MSTP-0000564
 Sheet Number 925

DATE PLOTTED: 1/12/12 10:00 AM

TYPICAL CROSSWALK LAYOUT PROCEDURES



NOTE:
 1. CROSSWALK BAY DIMENSIONS 10' MINIMUM 18" OR 24" MINIMUM
 2. KEEP BARS PARALLEL TO LANE LINES EVEN IF THE CROSSWALK IS SLOPED. SEE EXAMPLE.
 3. ALL BARS IN EACH CROSSWALK MUST BE SAME WIDTH.
 4. ADJUST TRANSVERSE ALIGNMENT IF NECESSARY TO ALIGN PROPERLY WITH PEDESTRIAN RAMP. CROSSWALKS SHOULD CENTER ON PEDESTRIAN RAMP WHEN POSSIBLE.
 5. CROSSWALKS SHOULD NOT EXTEND PAST THE CURB LINE OF ADJACENT ROADWAY.

CITY & COUNTY OF DENVER
 CROSSWALK LAYOUT DETAILS
 STD DWG NO 16.2.1
 DATE 1/12/12

Last Modification Date: 1/12/12
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City and County of Denver
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 Engineering Division
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 Denver, CO 80202

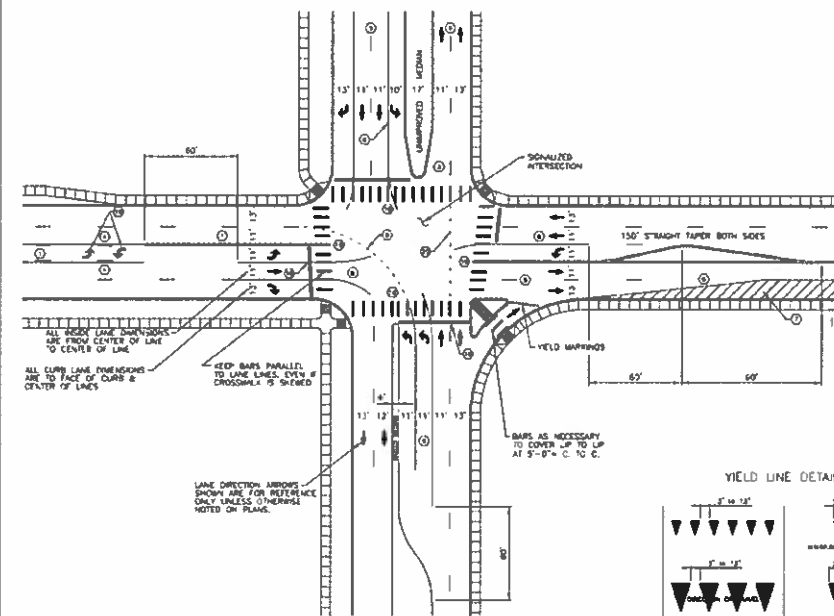
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 CITY AND COUNTY OF DENVER
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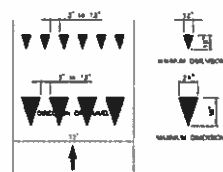
TYPICAL PAVEMENT MARKING EXAMPLES



PAVEMENT MARKING LEGEND AND NOTES

- A. TRAFFIC LANE PAVEMENT MARKINGS**
 (POLY PAVEMENT MARKING MATERIAL SHALL BE USED UNLESS OTHERWISE APPROVED BY T.E.S.)
- ASPHALT PAVEMENT SURFACE**
 (RED UNREFLECTORIZED PLASTIC TAPE SHALL BE USED FOR (1) (2) (3) UNLESS OTHERWISE APPROVED BY T.E.S.)
- CONCRETE PAVEMENT SURFACE**
 (RED UNREFLECTORIZED PLASTIC TAPE (CONTRAST) PAVEMENT MARKING MATERIAL SHALL BE USED FOR (1) (2) (3) UNLESS OTHERWISE APPROVED BY T.E.S.)
- (1) 4" DOUBLE YELLOW CENTERLINE WITH 4' SEPARATION
 - (2) 4" STOP YELLOW CENTERLINE, 10' LINE, 30' GAP
 - (3) 4" SOLID YELLOW TWO WAY LEFT TURN LANE
 - (4) 4" SOLID YELLOW WITH 4" STOP YELLOW 10' LINE, 30' GAP, AND 4' SEPARATION
 - (5) 4" STOP WHITE LANE LINE, 10' LINE, 30' GAP
 - (6) 4" SOLID WHITE RIGHT EDGE LINE ON TURN LANE LINE
 - (7) 4" SOLID WHITE 45° DIAGONAL CROSSWALK AT 15' SPACING
 - (8) 4" SOLID WHITE RIGHT EDGE LINE OR TURN LANE LINE
 - (9) 8" DASHED WHITE LINE, 2' DASH WITH 4' GAP
 - (10) DASHES THREE SECTIONS WHEN SHOWN ON PLANS ARE 2' LONG LINES WITH 8' GAPS CENTERED IN EACH CROSS STREET TRAFFIC LANE
- B. CROSSWALK MARKINGS - MATERIAL SHALL BE REFLECTORIZED PERFORMED THE FINISH PLASTIC TAPE, 30 MIL THICKNESS/FULL WIDTH WITHOUT SEAMS UNLESS OTHERWISE SPECIFIED**
- (1) 18" WHITE TRANSVERSE CROSSWALK LINE
 - (2) 18" x 10" WHITE CROSSWALK BAR
 - (3) 24" x 10" WHITE CROSSWALK BAR
 - (4) 24" WHITE STOP LINE, ONLY WHEN SHOWN ON PLANS
 - (5) PAVEMENT MESSAGES ONLY WHEN SHOWN ON PLANS
- C. ANY FINAL PAVEMENT MARKING QUANTITIES SHALL INCLUDE REMOVAL OF ANY COLLECTIVE PREVIOUS OR EXISTING MARKINGS AS NECESSARY**
- D. ALL OTHER PROVISIONS OF CITY AND COUNTY OF DENVER STANDARDS AND SPECIFICATIONS AND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, STATE DEPARTMENT OF HIGHWAYS, STATE OF COLORADO, LATEST EDITION SHALL APPLY.**
- E. ALL REMOVALS SHALL BE BY GRINDING, SANDBLASTING OR WATER BLASTING METHODS PROVIDED THAT THE PAVEMENT SURFACE SHALL NOT BE MATERIALLY DAMAGED. THE PAVEMENT SURFACE SHALL BE REPAIRED TO THE EXTENT THAT THEY SHALL NOT BE VISIBLE UNDER DAY OR NIGHT CONDITIONS**

YIELD LINE DETAILS



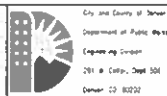
CITY & COUNTY OF DENVER
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Sheet Revisions

Date	Comments	Inv



City and County of Denver
 Department of Public Works
 Engineering Division
 201 W. Colfax, Dept 506
 Denver, CO 80202

As Constructed

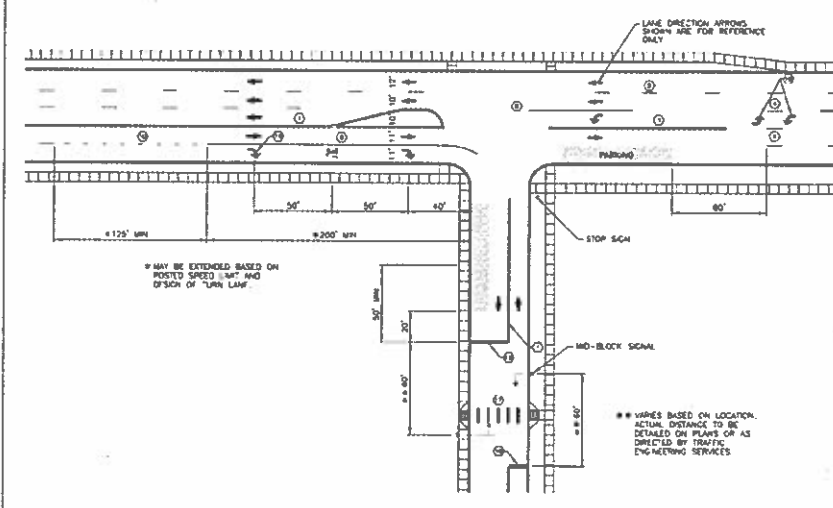
No. Revisions: _____
 Per: 100
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FEDERAL BLVD. RECON. - 5TH AVE. TO HOWARD PLACE
 CITY AND COUNTY OF DENVER
 TRAFFIC STANDARD DRAWINGS

Designer: _____
 Detainer: _____
 Sheet Subset: 150

Project No./Code
 HANPP 2873-112
 SA 19957
 2011-PRQ-MSIP-0000564
 Sheet Number: 927

TYPICAL PAVEMENT MARKING EXAMPLES



*** MAY BE EXTENDED BASED ON POSTED SPEED LIMIT AND D'SICH OF TURN LANE

*** VARIES BASED ON LOCATION. ACTUAL DISTANCE TO BE DETAILED ON PLANS OR AS DIRECTED BY TRAFFIC ENGINEERING SERVICES

PAVEMENT MARKING LEGEND AND NOTES

- A. PAVEMENT MARKING MATERIAL**
 (P) PAVEMENT MARKING MATERIAL SHALL BE USED UNLESS OTHERWISE APPROVED BY T.E.S.
 (C) CONCRETE MARKING MATERIAL SHALL BE USED FOR (1) (2) (3) UNLESS OTHERWISE APPROVED BY T.E.S.
- B. CROSSWALK MARKINGS** - MATERIAL SHALL BE REFLECTORIZED PERFORMED THERMO-PLASTIC FROM 90 MIL THICKNESS SHALL BE USED WITHOUT SEAMS UNLESS OTHERWISE SPECIFIED.
- (1) 4" DOUBLE YELLOW CENTERLINE WITH 4" SEPARATION
 - (2) 4" STOP YELLOW CENTERLINE 10' LANE, 30' GAP
 - (3) 4" SOLID YELLOW TWO WAY LEFT LANE LINE
 - (4) 4" SOLID YELLOW WITH 4" STOP YELLOW 10' LANE, 30' GAP, AND 4" SEPARATION
 - (5) 4" STOP WHITE LANE LINE 10' LANE, 30' GAP
 - (6) 4" SOLID WHITE RIGHT EDGE LINE ON TURN LANE LINE
 - (7) 4" SOLID WHITE 45° DIAGONAL CROSSHATCH AT 13' SPACING
 - (8) 4" SOLID WHITE RIGHT EDGE LINE ON TURN LANE LINE
 - (9) 4" DASHED WHITE LINE 2' GAPS WITH 4" GAP
 - (10) DASHED WHITE INTERSECTION MARKING SHOWN ON PLANS ARE 2' LONG LINES WITH 4' GAPS CENTERED IN EACH CROSS STREET TRAFFIC LANE
- C. ANY FINAL PAVEMENT MARKING QUANTITIES SHALL INCLUDE REMOVAL OF ANY CONFLICTING PREVIOUS OR OUTCOUR MARKINGS AS NECESSARY**
- D. ALL OTHER PROVISIONS OF "CITY AND COUNTY OF DENVER STANDARDS AND SPECIFICATIONS AND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" STATE DEPARTMENT OF HIGHWAYS, STATE OF COLORADO, CURRENT EDITION SHALL APPLY.**
- E. ALL REMOVALS SHALL BE BY GRINDING, SANDBLASTING OR WATER BLASTING METHODS PROVIDED THAT THE PAVEMENT SURFACE SHALL NOT BE MATERIALLY DAMAGED. THE PAVEMENT MARKINGS SHALL BE REAPPLIED TO THE EXTENT THAT THEY SHALL NOT BE VISIBLE UNDER DAY OR NIGHT CONDITIONS.**

CITY & COUNTY OF DENVER
 PAVEMENT MARKING DETAILS SHEET 2
 STD DWG NO 16.2.3
 DATE 1/12/12

Last Modification Date: _____ Drawing File Name: 1102188-950-978-CCD Standard Traffic Details Horizontal Scale: 1" = 20' Vertical Scale: As Noted
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Sheet Revisions	
Date	Comments



City and County of Denver
 Department of Public Works
 Engineering Division
 201 W. Colfax, 3rd Floor
 Denver, CO 80202

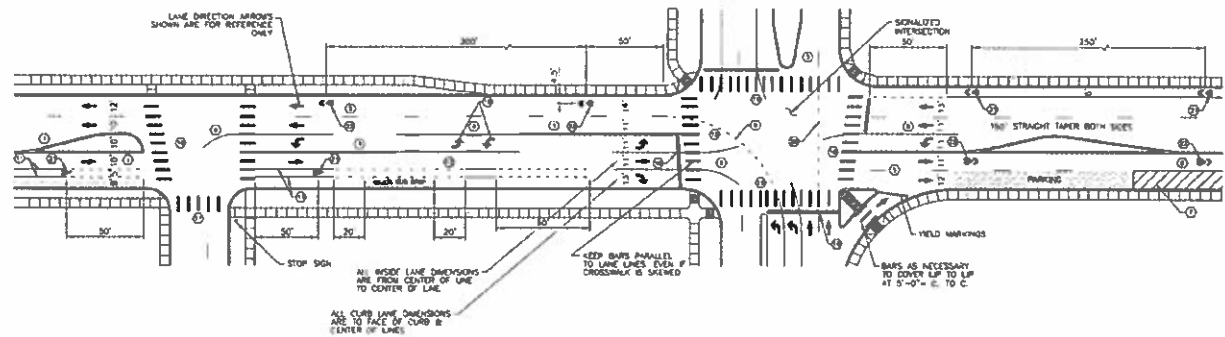
As Constructed
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 VSD

FEDERAL BLVD. RECON. - 5TH AVE. TO HOWARD PLACE
 CITY AND COUNTY OF DENVER
 TRAFFIC STANDARD DRAWINGS
 Designer: _____
 Checker: _____
 Sheet Sub: _____
 Structure: _____
 SPC: _____
 150 Sheet Sheets 25 of 40

Project No./Code
 1102188-950-978-CCD
 2011-PPD-MSTP-0000164
 Sheet Number 978

Sheet No. 16.2.3 of 16.2.3

TYPICAL PAVEMENT MARKING EXAMPLES



PAVEMENT MARKING LEGEND AND NOTES

A. TRAFFIC LANE PAVEMENT MARKINGS

EPDM PAVEMENT MARKING MATERIAL SHALL BE USED UNLESS OTHERWISE APPROVED BY T.E.S.

ADJACENT BOUNDARY SURFACE

REAL PROTRUSION BARS SHALL BE USED FOR (1) (2) (3) UNLESS OTHERWISE APPROVED BY T.E.S.

CONCRETE BOUNDARY SURFACE

ALSO PROTRUSION PLUS 1/4" (CONCRETE) PAVEMENT MARKING MATERIAL SHALL BE USED FOR (1) (2) (3) UNLESS OTHERWISE APPROVED BY T.E.S.

- (1) 4" DOUBLE YELLOW CENTERLINE WITH 4" SEPARATION
- (2) 4" SHIP YELLOW CENTERLINE, 10' LINE, 30' GAP
- (3) 4" SOLID YELLOW TWO WAY LEFT EDGE LINE
- (4) 4" SOLID YELLOW WITH 4" SHIP YELLOW, 10' LINE, 30' GAP, AND 4" SEPARATION
- (5) 4" SHIP WHITE LANE LINE, 10' LINE, 30' GAP
- (6) 4" SOLID WHITE RIGHT EDGE LINE OR TURN LANE LINE
- (7) 4" SOLID WHITE 45° DIAGONAL CROSSWALK AT 15' SPACING
- (8) 6" SOLID WHITE RIGHT EDGE LINE OR TURN LANE LINE
- (9) 8" DASHED WHITE LINE, 2' DASH WITH 4" GAP
- (10) DASHES THRU INTERSECTION WHEN SHOWN ON PLANS ARE 3" LONG LINES WITH 6" GAPS CENTERED IN EACH CROSS STREET TRAFFIC LANE

B. CROSSWALK MARKINGS - MATERIAL SHALL BE SELECTED PREPARED THERMO-PLASTIC (MIN. 80 MIL THICKNESS) WITH OR WITHOUT SEAMS UNLESS OTHERWISE SPECIFIED

- (1) 18" WHITE TRANSVERSE CROSSWALK LINE
- (2) 18" x 10" WHITE CROSSWALK BAR
- (3) 24" x 10" WHITE CROSSWALK BAR
- (4) 24" WHITE STOP LINE, ONLY WHEN SHOWN ON PLANS
- (5) PAVEMENT MESSAGES ONLY WHEN SHOWN ON PLANS

C. ANY FINAL PAVEMENT MARKING QUANTITIES SHALL INCLUDE REMOVAL OF ANY EXISTING, PREVIOUS OR REDUNDANT MARKINGS, IF NECESSARY.

D. ALL OTHER PROVISIONS OF CITY AND COUNTY OF DENVER STANDARDS AND SPECIFICATIONS AND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, STATE DEPARTMENT OF HIGHWAYS, STATE OF COLORADO, CURRENT EDITION SHALL APPLY.

E. ALL REMOVALS SHALL BE BY GRINDING, SANDBLASTING OR WATER BLASTING METHODS PROVIDED THAT THE PAVEMENT SURFACE SHALL NOT BE MATERIALLY DAMAGED. THE PAVEMENT MARKINGS SHALL BE REMOVED TO THE EXTENT THAT THEY SHALL NOT BE VISIBLE UNDER DAY OR NIGHT CONDITIONS.



SHARROW SYMBOL MARKING DETAIL



BIKE SYMBOL MARKING DETAIL

CITY & COUNTY OF DENVER
BIKE LANE TYPICAL MARKING DETAILS

STD DWG NO	16.2.4
DATE	1/12/12

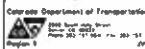
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Drawing File Name: 1102156-950-976-000 Standard Traffic Details.dwg
Horizontal Scale: 1:2
Vert Scale: As Noted

Sheet Revisions

Date: _____
Comments: _____



City and County of Denver
Department of Public Works
Engineering Section
251 S. Galena, Dept. 508
Denver, CO 80222



Colorado Department of Transportation
1585 Sherman Street
Denver, CO 80202
Phone: 303-733-1600 Fax: 303-733-1601
www.cdot.gov

As Constructed

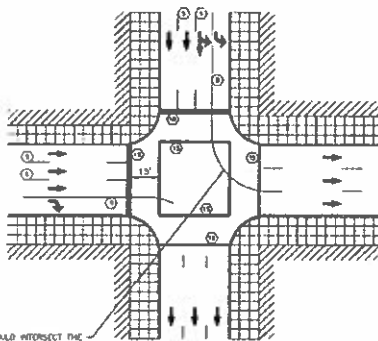
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FEDERAL BLVD RECON - 5TH AVE. TO HOWARD PLACE
CITY AND COUNTY OF DENVER
TRAFFIC STANDARD DRAWINGS

Designer: _____
Detailer: _____
Sheet Subject: 150 Submittal Sheets 29 of 43

Project No./Code
1102156-950-976-000
SA 19957
2011-PP0-VISIT-0000164
Sheet Number: 929

TYPICAL, CENTRAL BUSINESS DISTRICT
PAVEMENT MARKING EXAMPLES



TURN LANE LINE SHOULD INTERSECT THE
LANE LINE WHICH WILL PROVIDE THE TURN
LANE WITH TWO LANES GOING AWAY FROM
THE INTERSECTION EXCEPT WHERE ONLY TWO
THROUGH LANES ARE AVAILABLE.

PAVEMENT MARKING LEGEND AND NOTES

- A. TRAFFIC LANE MARKINGS - MATERIAL SHALL BE EPOXY MARKING MATERIAL UNLESS OTHERWISE SPECIFIED
 - ① 4" SKIP WHITE LANE LINE, 10' LANE, 30' GAP
 - ② 1" SOLID WHITE RIGHT EDGE LINE OR TURN LANE LINE
 - ③ 2" SOLID WHITE RIGHT EDGE LINE OR TURN LANE LINE
- B. CROSSWALK MARKINGS - MATERIAL SHALL BE REFLECTORIZED PREFORMED THERMO-PLASTIC TALL WIDTH WITHOUT SEAMS UNLESS OTHERWISE SPECIFIED
 - ④ 1" WHITE TRANSVERSE CROSSWALK LINE
 - ⑤ 2" WHITE STOP LINE, ONLY WHEN SHOWN ON PLANS
- C. ANY FINAL PAVEMENT MARKING QUANTITIES SHALL INCLUDE REMOVAL OF ANY CONFLICTING, PREVIOUS OR DETOUR MARKINGS AS NECESSARY
- D. ALL OTHER PROVISIONS OF "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION," STATE DEPARTMENT OF HIGHWAYS, STATE OF COLORADO, CURRENT EDITION SHALL APPLY.
- E. ALL REMOVALS SHALL BE BY GRANULAR SANDBLASTING OR WATER BLASTING METHODS PROVIDED THAT THE PAVEMENT SURFACE SHALL NOT BE MATERIALLY DAMAGED THE PAVEMENT MARKINGS SHALL BE REMOVED TO THE EXTENT THAT THEY SHALL NOT BE VISIBLE UNDER DAY OR NIGHT CONDITIONS.

CITY & COUNTY OF DENVER	STD DWG NO 16.2.5
CENTRAL BUSINESS DISTRICT PAVEMENT MARKING DETAILS	DATE 1/11/12

Last Modification Date: N/A
 Drawing File Name: 1102-58-1958-976-CD-Standard Traffic Details
 Horizontal Scale: 1" = 20'
 Vertical Scale: As Noted

Sheet Revisions		
Date	Comments	By

City and County of Denver
 Department of Public Works
 Engineering Division
 201 W. Colfax, Dept 308
 Denver, CO 80202

Colorado Department of Transportation
 1555 North Speer Blvd., Suite 100
 Denver, CO 80202
 Project #

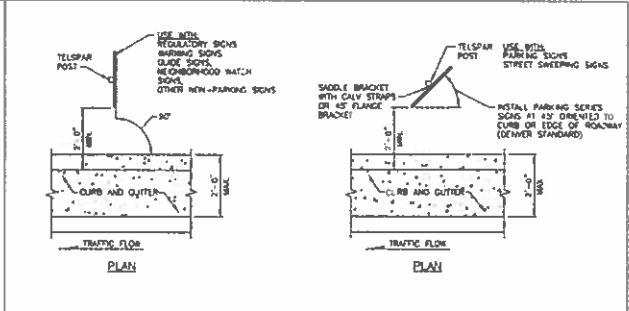
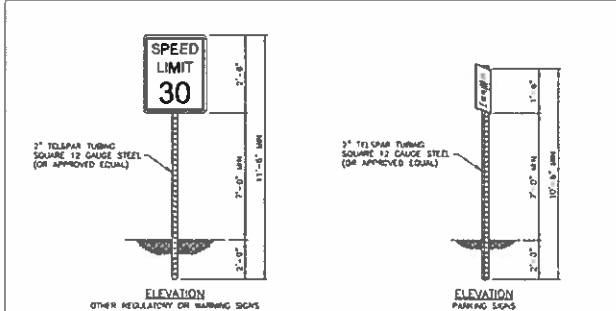
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FEDERAL BLVD. RECON. - 5TH AVE. TO HOWARD PLACE
 CITY AND COUNTY OF DENVER
 TRAFFIC STANDARD DRAWINGS

Designer: _____ Structure: _____
 Designer: _____ S&P Number: _____
 Sheet Subst: 150 Subset Sheets 30 of 43

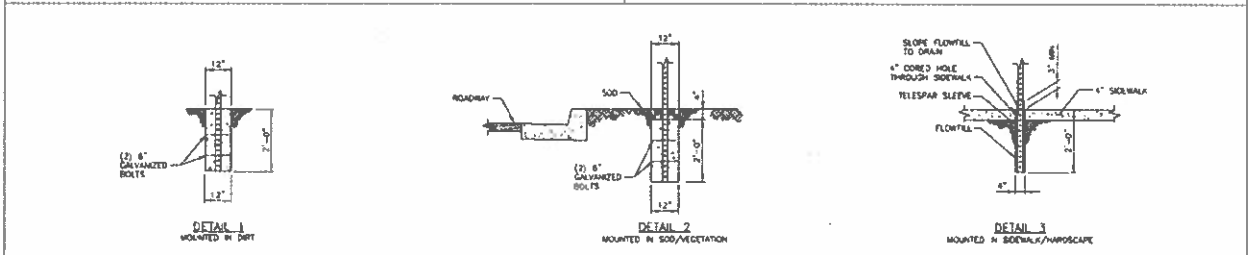
Project No./Code
 16RPP 2873-172
 SA 19937
 2011-PRO-451P-0000164
 Sheet Number
 930

Denver Project
 16.2.5
 11/11/12



NOTE
 SIGNS: ALL SIGNS SHALL BE FABRICATED FROM ASTM TYPE 42, 4000 SERIES SIGN FACE SHEETING MATERIAL. ALL SIGNS ARE 8 800 GAUGE, 8081-T8 OR 5052-H32 ALUMINUM ALLOY, TREATED WITH ALDURINE 1700 CONVERSION COATING, 3/8 INCH DIAMETER HOLES PLUNGED, LEVELLED ON TOP AND BOTTOM, HORIZONTAL AXIS WITH STANDARD 1-1/2 INCH RADIUS CORNERS. ALL MOUNTING SHALL BE ACCOMPLISHED WITH A MATCH COMPONENT SYSTEM WITH ACRYLIC FILM THAT MATCHES THE WARRANTY OF THE BASIC REFLECTIVE SHEETING. PMS SHALL NOT BE PERMITTED FOR MOUNTING.

ROADSIDE SIGN INSTALLATION



NOTE
 MOUNTING IN SOG OR DIRT REQUIRES APPROXIMATELY 2.0 CU. FT. OF CONCRETE.

CITY & COUNTY OF DENVER
SINGLE SIGN POST MOUNTING DETAILS

STD DWG NO
16.2.6
 DATE
1/12/12

Last Modification Date	PH
Drawing File Name	1101189 950-976-000 Standard Traffic Details.ppt
Horizontal Scale	1:2
Vertical Scale	As Noted

Date	Comments	BY



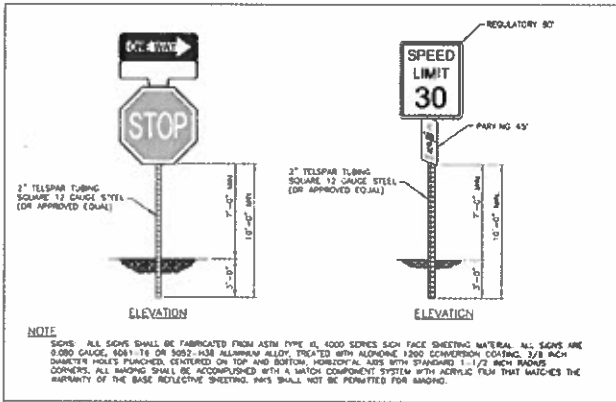
City and County of Denver
 Department of Public Works
 Engineering Section
 2611 N. Colfax, Dept 508
 Denver, CO 80202

As Constructed
 No Permit-018
 Revised
 No. 100-100-000

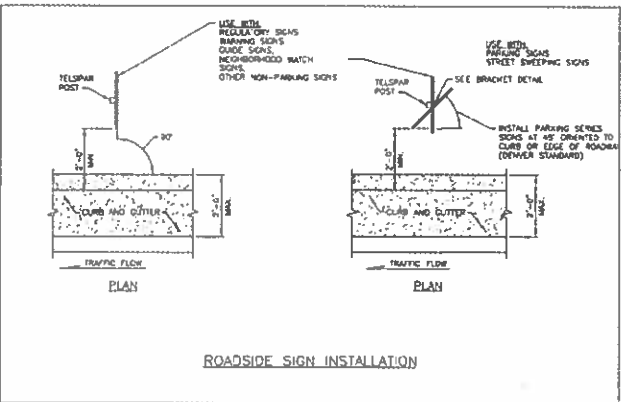
FEDERAL BLVD. RECON. - 5TH AVE. TO HOWARD PLACE
 CITY AND COUNTY OF DENVER
 TRAFFIC STANDARD DRAWINGS

Vertical Scale
 1/2" = 1'-0"
 Horizontal Scale
 1/2" = 1'-0"

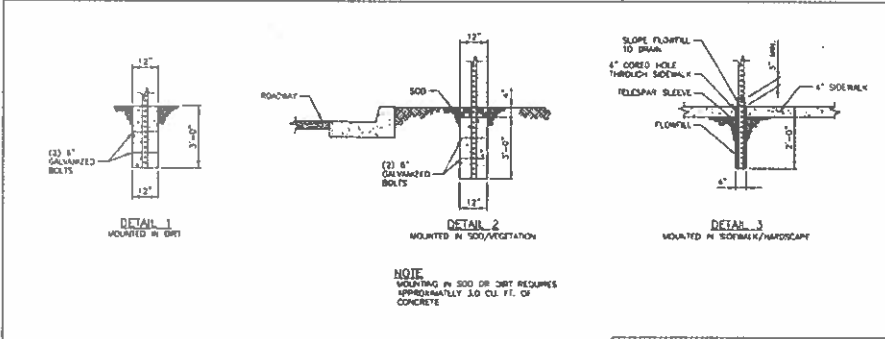
Project No./Code
 ROAD 1633-172
 SA 19957
 1011-PRO-MSTR-0000164
 Sheet Number
931



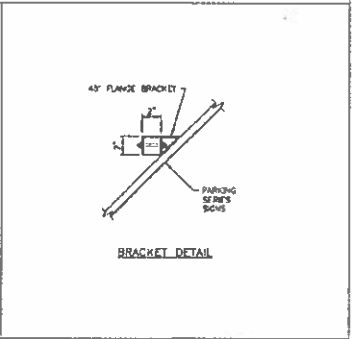
NOTE
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ROADSIDE SIGN INSTALLATION



NOTE
 MOUNTING IN SOO OR DBT REQUIRES APPROXIMATELY 3.0 CU. FT. OF CONCRETE



CITY & COUNTY OF DENVER
 MULTIPLE SIGN POST MOUNTING DETAILS
 STD DWG NO 16.2.7
 DATE 1/12/12

Last Modification Date: N/A
 Drawing File Name: 1102138-1954-916-420 Standard Traffic Drawings
 Horizontal Scale: 1:2
 Vertical Scale: As Noted

Sheet Revisions		
Date	Comments	Init

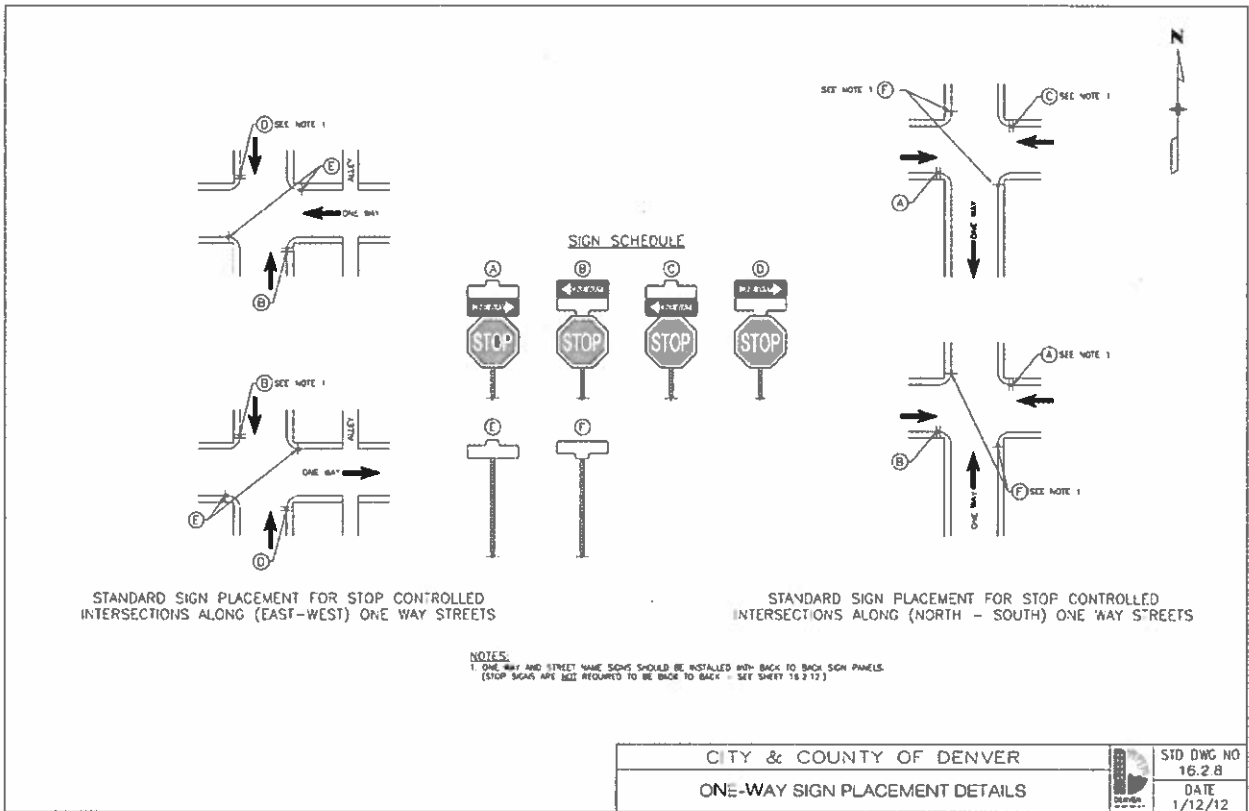
City and County of Denver
 Department of Public Works
 Engineering Division
 221 W. Colfax, Suite 500
 Denver, CO 80202

Colorado Department of Transportation
 1500 North Speer Street
 Denver, CO 80202
 Project 1

As Constructed
 No Previous
 P1-100
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FEDERAL BLVD. RECON. - 5TH AVE. TO HOWARD PLACE
 CITY AND COUNTY OF DENVER
 TRAFFIC STANDARD DRAWINGS
 Designer: SPJ
 Structure Number: 150
 Sheet Subst: 32 of 43

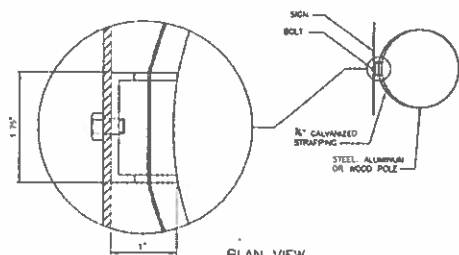
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 SA 19957
 2011-PRO-USTA-0000361
 Sheet Number 932



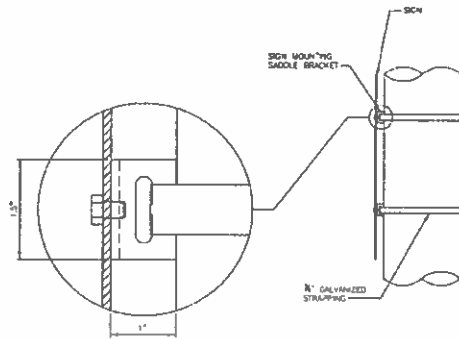
CITY & COUNTY OF DENVER		STD DWG NO 16.2 B
ONE-WAY SIGN PLACEMENT DETAILS		DATE 1/12/12

Last Modification Date: IN1 Drawing File Name: 1120120-950-076-CDD Standard Traffic Signs.dwg Horizontal Scale: 1:2 Vert Scale: As Noted	Sheet Revisions Date: _____ Comments: _____ IN1	 City and County of Denver Department of Public Works Engineering Division 201 W. Colfax, Dept 305 Denver, CO 80202	California Department of Transportation State Route 166, Room 100 Sacramento, CA 95833 Phone: (916) 227-2200 Fax: (916) 227-2200 Project: 17	As Constructed No Reasons: _____ Perused: _____ Void: _____	FEDERAL BLDG. REDON. - 5TH AVE. TO HOWARD PLACE CITY AND COUNTY OF DENVER TRAFFIC STANDARD DRAWINGS	Project No./Code INWP 2873-172 SA 19957 2011-PROJWSP-0000164 Sheet Number: 933
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Drawing Name: 1120120-950-076-CDD Standard Traffic Signs.dwg
 Drawing File Name: 1120120-950-076-CDD Standard Traffic Signs.dwg
 Horizontal Scale: 1:2
 Vert Scale: As Noted



PLAN VIEW



MOUNTING DETAIL FOR ADDING SIGNS TO EXISTING UTILITY POLES

CITY & COUNTY OF DENVER
 TRAFFIC SIGN UTILITY POLE MOUNTING DETAIL

STD DWG NO
 18.2.9
 DATE
 1/12/12

Last Modification Date: N/A
 Drawing File Name: 1102118-195-476-CED Standard Traffic Detail.dwg
 Horizontal Scale: 1:2
 Vert Scale: As Noted

Sheet Revisions		
Date	Comments	By

City and County of Denver
 Department of Public Works
 Engineering Division
 201 W. Colfax, Dept 506
 Denver, CO 80202

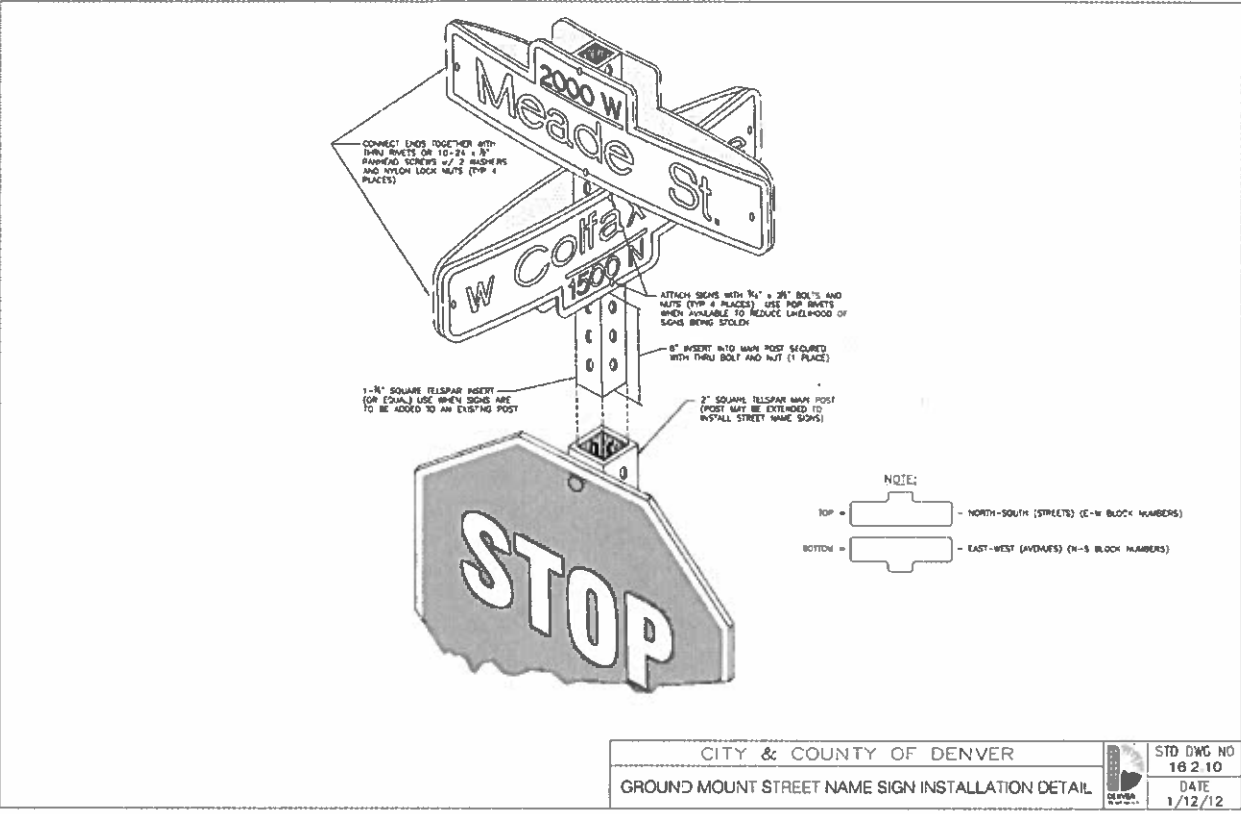
Colorado Department of Transportation
 1555 Sherman Street
 Denver, CO 80202
 Project 1

As Constructed
 No Revisions
 Revised
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FEDERAL BLVD. RECON - 5TH AVE TO HOWARD PLACE
 CITY AND COUNTY OF DENVER
 TRAFFIC STANDARD DRAWINGS
 Designer: _____
 Checker: _____
 Structure Number: _____
 Sheet Subset: T50 Subset Sheets: 34 of 40

Project No./Code
 NHPD 2873-172
 SA 19957
 2011-RPO-VSTR-0000361
 Sheet Number: 934

Vertical Scale: As Noted

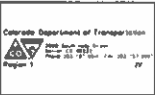


CITY & COUNTY OF DENVER
 GROUND MOUNT STREET NAME SIGN INSTALLATION DETAIL

STD DWG NO
 16 2 10
 DATE
 1/12/12

Lost Modification Date	Inv
Drawing File Name: 1122-24-150-110-000 Standard Traffic Details.dwg	
Horizontal Scale: 1/2	Vert Scale: As Noted

Sheet Revisions	
Date	Comments

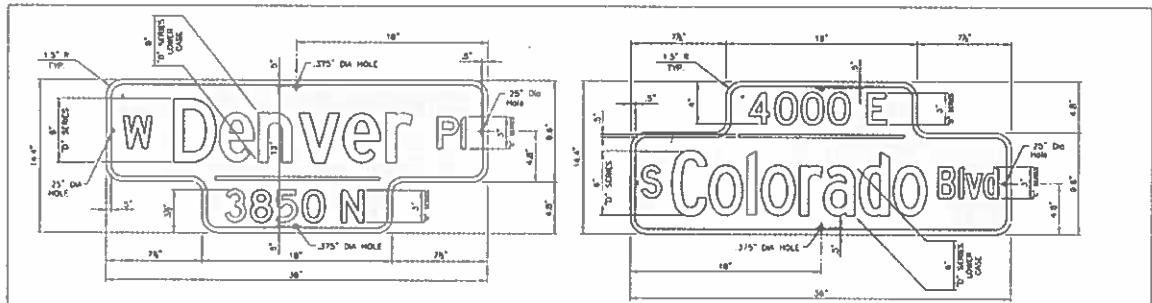


As Constructed	No Revisions
Revised	

FEDERAL BLVD. RECON - 5TH AVE. TO HOWARD PLACE CITY AND COUNTY OF DENVER TRAFFIC STANDARD DRAWINGS	
Designer	Structure

Project No./Code	1122-24-150-110-000
	SA 19957
	2011-PRO-VSTP-0000364
Sheet Number	935

11/12/12
 11/12/12
 11/12/12



ALL TEXT SHALL UTILIZE STANDARD HIGHWAY GOING FONT OR APPROVED EQUIVALENT
 LETTER SERIES WILL VARY DEPENDING ON NUMBER OF LETTERS IN STREET NAME (SEE EXAMPLES BELOW)
 NOTE: STROKE WIDTH OF LETTERS SHOWN ON THIS DRAWING IS FOR ILLUSTRATIVE PURPOSES ONLY AND IS NOT
 INTENDED TO REPRESENT CORRECT STROKE WIDTH FOR SPECIFIED LETTER SERIES OR LETTER TO LETTER SPACING

NOTES:

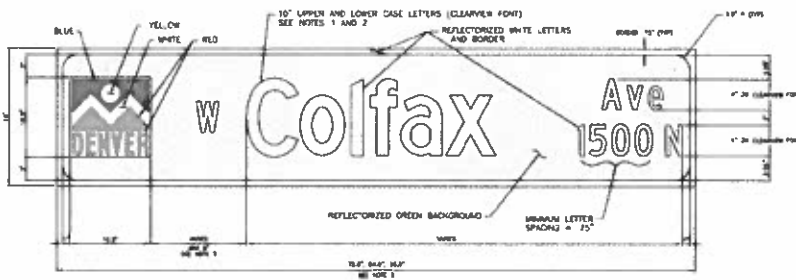
1. SIGNS: ALL SIGNS SHALL BE FABRICATED FROM ASTM TYPE-11 4000 SERIES SIGN FACE SHEETING MATERIAL OR APPROVED EQUIVALENT. ALL SIGNS ARE 0.60 GAUGE, 8061-T8 OR 3002-H38 ALUMINUM ALLOY, TREATED WITH ALUMINOXIDE 1200 CONVERSION COATING. 1/8 INCH DIAMETER HOLES FINISHED, COATED ON TOP AND BOTTOM HORIZONTAL AIDS WITH STANDARD 1.50 INCH HOLE CORNERS. ALL MOUNTING SHALL BE ACCOMPLISHED WITH A MATCH COMPONENT SYSTEM WITH ACRYLIC FILM THAT MATCHES THE WARRANTY OF THE BASE REFLECTIVE SHEETING. THIS SHALL NOT BE PERMITTED FOR MOUNTING.
2. SQUARE 12 GAUGE GALVANIZED STEEL POST WITH PRE-DRILLED 1/2\"/>

6 OR LESS LETTERS IN STREET NAME	7 OR 8 LETTERS IN STREET NAME	9 OR MORE LETTERS IN STREET NAME
<p>6\"/> </p>	<p>6\"/> </p>	<p>6\"/> </p>
<p>4500 E Monaco 36\"/> </p>	<p>000 Broadway 36\"/> </p>	<p>300 E Pennsylvania 42\"/> </p>
<p>Colfax Ave 1 00 W 36\"/> </p>	<p>Hampden Ave 3500 E 36\"/> </p>	<p>Mississippi Ave 1100 S 42\"/> </p>

1. ALL SIGN PLATES SHALL BE 0.08 INCH THICK ALUMINUM WITH ROUNDED CORNERS (1.25 INCH RADIUS ON OUTSIDE EDGES) AND 81/2\"/>
2. ALL SIGN POSTS FOR INSTALLING STREET NAME SIGNS SHALL BE 2.0 INCH BY 2.0 INCH SQUARE STEEL POSTS WITH PRE-DRILLED MOUNTING HOLES.
3. ALL MOUNTING BOLTS SHALL BE ZINC OR CADMIUM PLATED.
4. ALL STREET NAME SIGNS SHALL BE MOUNTED SO AS TO HAVE 7.0 FEET MINIMUM VERTICAL CLEARANCE ABOVE SIDEWALK GRADE AND 2.0 FEET MINIMUM LATERAL CLEARANCE FROM FACE OF CURB OR EDGE OF ROADWAY.
5. STREET NAME SIGNS MAY BE INSTALLED ABOVE EXISTING STOP SIGNS OR ONE-WAY SIGNS ON UTILITY POLE WITH THE CONDITION THAT STREET NAME SIGN MOUNTING HEIGHT DOES NOT EXCEED 12.5 FEET ABOVE GRADE.
6. ALL SIGN FACE SHEETING MATERIAL SHALL BE REFLECTORIZED AND AFFIXED TO ONE SIDE OF SIGN BLANK ONLY. SHEETING MATERIAL SHALL COMPLY WITH F.H.W.A. STANDARDS ESTABLISHED FOR 8.5 X 11\"/>
7. SHEETING ADHESION AND CORE SEALING SHALL BE MET.
8. A MINIMUM 10-YEAR MANUFACTURERS WARRANTY FOR THE RETRO-REFLECTIVITY AND PERFORMANCE OF THE SIGN FACE SHEETING MATERIALS SHALL BE PROVIDED TO THE CITY TRAFFIC ENGINEER.
9. THE PREFIXES 'W' AND 'S' SHALL BE ADDED TO STREET NAME SIGNS AT INTERSECTIONS THAT ARE WEST OF BROADWAY AND/OR SOUTH OF ELLSWORTH AVENUE. NO PREFIXES SHALL BE USED ON STREETS THAT ARE EAST OF BROADWAY OR NORTH OF ELLSWORTH AVENUE.
10. ON NUMBERED STREETS, THE SUFFIX FOLLOWING THE NUMBER SHALL BE LOWER CASE LETTERS.
11. USE SWS-2 FOR ALL ROADWAYS WITH SPEED LIMIT 40 MPH OR LESS.

CITY & COUNTY OF DENVER
 GROUND MOUNT STREET NAME SIGN DETAIL
 STD DWG NO 16.2.11
 DATE 1/32/12

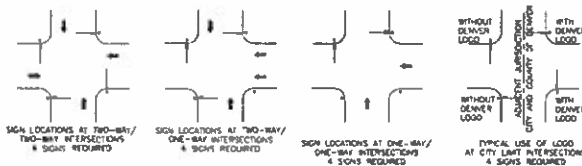
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Date	Comments	BY										



NOTES

1. STREET NAMES WITH 4 CHARACTERS OR LESS USE FHWA STANDARD CLEARVIEW "3B" SERIES FONT
2. STREET NAMES WITH MORE THAN 4 CHARACTERS USE FHWA STANDARD CLEARVIEW "2W" SERIES FONT
3. PLATE LENGTH MAY BE EXTENDED AS NECESSARY FOR LONGER STREET NAMES (MAXIMUM LENGTH 106")

TYPICAL STREET NAME SIGN PLACEMENT LOCATIONS



NOTES (CONTINUED)

4. ALL OVERHEAD STREET NAME SIGNS SHALL BE FABRICATED USING WHITE RETRO-REFLECTIVE SHEETING MATERIALS AS BACKGROUND WITH LETTERS AND BORDER FORMED BY GREEN TRANSPARENT ELECTRO-CUT FILM APPLIED OVER THE BACKGROUND MATERIAL THROUGH A PRESSURE SENSITIVE ADHESION PROCESS. THE CITY OF DENVER LOGO IS TO BE MADE USING THE SAME SHEETING MATERIAL WITH BLUE, RED, AND YELLOW TRANSPARENT ELECTRO-CUT FILM. THE LOGO MAY BE FABRICATED SEPARATELY AND THEN ADDED TO THE SIGN AS AN OVERLAY USING THE SAME ADHESION PROCESS APPROVED BY THE SHEETING MATERIAL MANUFACTURER. THE SHEETING MATERIAL AND TRANSPARENT ELECTRO-CUT FILM SHALL CONFORM TO THE FOLLOWING PRODUCT SPECIFICATIONS:

A. U.S. DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION, STANDARD SPECIFICATIONS FOR TYPE 30 SIGN FACE SHEETING: A VERY-HIGH INTENSITY MICRO-PRISMATIC SHEETING DESIGNED TO PROVIDE REFLECTIVE HIGH SIGN FACE RETRO-REFLECTIVITY FOR OVERHEAD SIGNS THAT ARE TO BE VIEWED BY DRIVERS AT DISTANCES OF 1000 FEET OR LESS. ELECTRO-CUT FILM USED IN CONJUNCTION WITH THE TYPE 30 SHEETING MATERIAL SHALL BE ELECTRO-CUT FILM #117C OR AN EQUIVALENT APPROVED BY THE ENGINEER.

B. THE TYPE 30 SHEETING MATERIAL AND TRANSPARENT ELECTRO-CUT FILM USED SHALL INCLUDE A WARRANTY WHICH GUARANTEES AN EFFECTIVE FIELD PERFORMANCE LIFE OF AT LEAST 12 YEARS.

5. THE PREFIX 'W' FOR STREETS WEST OF BROADWAY AND 'S' FOR STREETS SOUTH OF (EUBANK AVENUE) SHALL BE USED ON ALL STREET NAME SIGNS. NO PREFIX DESIGNATION SHALL BE USED FOR STREET NAME SIGNS NORTH OF EUBANK AVENUE OR FOR STREET NAME SIGNS EAST OF BROADWAY. THE PREFIX SHALL BE CENTERED BETWEEN THE CITY FLAG AND THE STREET NAME.

6. STREET NAME SIGNS TO BE BOLTED ON TUBULAR EXTENSION WHICH CONNECTS TO MAIN ARM BY USE OF ADAPTER SCREWS INTO COUPLING SIGN SHALL BE INSTALLED LEVEL TO THE GROUND. SIGN SHALL BE FREE OF ANY HORIZONTAL OR VERTICAL DISTORTION OR DISTORTION.

7. ALL STREET NAME SIGNS SHALL USE THE DENVER LOGO EXCEPT AS SHOWN BELOW AT TYPICAL CITY LIMIT INTERSECTIONS OR AS APPROVED BY THE ENGINEER.

8. ALL MOUNTING BOLTS FOR STREET NAME SIGNS SHALL BE ZINC OR CADMIUM PLATED.

CITY & COUNTY OF DENVER
OVERHEAD STREET NAME SIGNS
(INSTALLED PRIOR TO APRIL, 2011)

STD DWG NO	16 2. 12
DATE	1/12/12

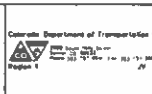
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Sheet Revisions

Date	Comments



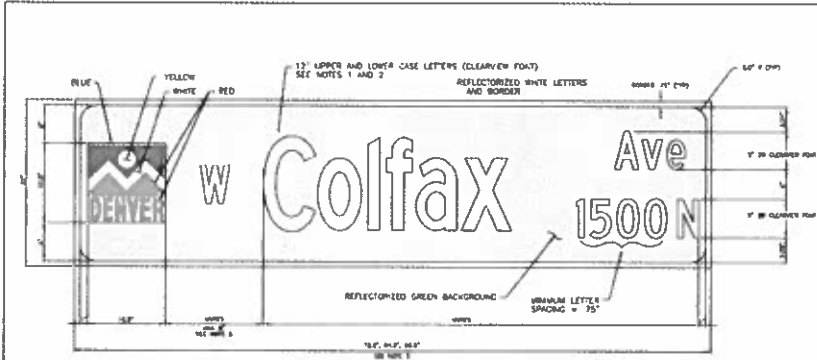
City and County of Denver
Department of Public Works
Engineering Division
201 W. Colfax, 3rd Floor
Denver, CO 80202



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No Revisions
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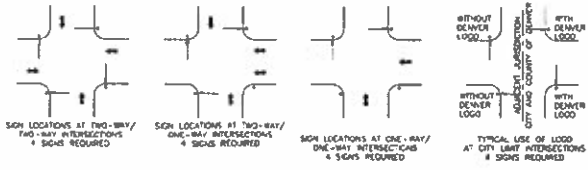
FEDERAL BLDG. RECON. - 5TH AVE., 10 HOWARD PLACE
CITY AND COUNTY OF DENVER
TRAFFIC STANDARD DRAWINGS
Designer: Structure
Detailer: SPF Numbers
Sheet Subset: T50 Subset Sheets 37 of 40

Project No./Code
MHPD 2873-172
SA 19957
2011-PROJ/MSTR-0000164
Sheet Number: 937



- NOTES:**
1. STREET NAMES WITH 4 CHARACTERS OR LESS: USE FHWA STANDARD CLEARVIEW "3B" SERIES FONT.
 2. STREET NAMES WITH MORE THAN 4 CHARACTERS: USE FHWA STANDARD CLEARVIEW "2W" SERIES FONT.
 3. PLATE LENGTH MAY BE EXTENDED AS NECESSARY FOR LONGER STREET NAMES (MAXIMUM LENGTH 108").

TYPICAL STREET NAME SIGN PLACEMENT LOCATIONS

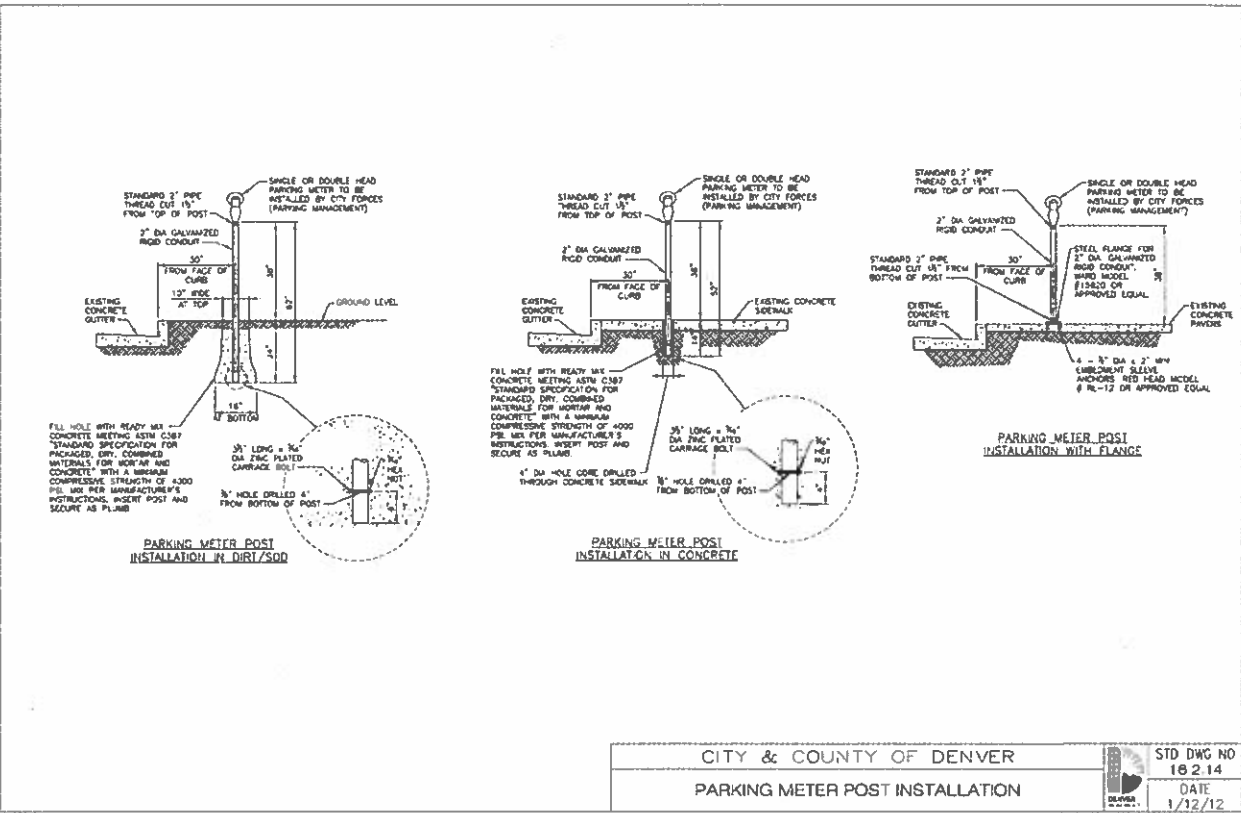


NOTES (CONTINUED)

4. ALL OVERHEAD STREET NAME SIGNS SHALL BE FABRICATED USING WHITE (R1) HO-HI LECTIVE SHEETING MATERIALS AS BACKGROUND WITH LETTERS AND BORDER FORMED BY GREEN TRANSPARENT ELECTRO-CUT FILM APPLIED OVER THE BACKGROUND MATERIAL THROUGH A PRESSURE SENSITIVE ADHESION PROCESS. THE CITY OF DENVER LOGO IS TO BE MADE USING THE SAME SHEETING MATERIAL WITH BLUE, RED, AND YELLOW TRANSPARENT ELECTRO-CUT FILM. THE LOGO MAY BE FABRICATED SEPARATELY AND THEN ADDED TO THE SIGN AS AN OVERLAY USING THE SAME ADHESION PROCESS APPROVED BY THE SHEETING MATERIAL MANUFACTURER. THE SHEETING MATERIAL AND TRANSPARENT ELECTRO-CUT FILM SHALL CONFORM TO THE FOLLOWING PRODUCT SPECIFICATIONS:
 - A U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION STANDARD SPECIFICATIONS FOR TYPE XI SIGN FACE SHEETING, A VERY HIGH INTENSITY RADIATION-CURED SHEETING DESIGNED TO PROVIDE REFLECTIVE HIGH-BRIGHTNESS HO-HI LECTIVITY FOR OVERHEAD SIGNS THAT ARE TO BE VIEWED BY DRIVERS AT DISTANCES OF 1000 FEET OR LESS. ELECTRO-CUT FILM USED IN CONJUNCTION WITH THE TYPE XI SHEETING MATERIAL SHALL BE ELECTRO-CUT FILM #1177C OR AN EQUIVALENT APPROVED BY THE ENGINEER.
 - B THE ASTM TYPE XI SHEETING MATERIAL AND TRANSPARENT ELECTRO-CUT FILM USED SHALL INCLUDE A WARRANTY WHICH GUARANTEES AN EFFECTIVE FIELD PERFORMANCE LIFE OF AT LEAST 12 YEARS.
5. THE PREFIX (W) FOR STREETS WEST OF BROADWAY, AND S (FOR STREETS SOUTH OF FIFTH/SEVENTH AVENUE) SHALL BE USED ON ALL STREET NAME SIGNS. NO PREFIX DESIGNATION SHALL BE USED FOR STREET NAME SIGNS NORTH OF ELLSWORTH AVENUE OR FOR STREET NAME SIGNS EAST OF BROADWAY. THE PREFIX SHALL BE CENTERED BETWEEN THE CITY FLAG AND THE STREET NAME.
6. STREET NAME SIGNS TO BE BOLTED ON TIE SPAN EXTENSION (WHICH CONNECTS TO MAST ARM) BY USE OF 4x4x1/2" SCREWED INTO COLUMN. SIGN SHALL BE INSTALLED LEVEL TO THE GROUND. SIGN SHALL BE FREE OF ANY HORIZONTAL OR VERTICAL DISTORTION OR DISTORTIONS.
7. ALL STREET NAME SIGNS SHALL USE THE DENVER LOGO EXCEPT AS SHOWN BELOW AT TYPICAL CITY LIMIT INTERSECTIONS OR AS APPROVED BY EES.
8. ALL MOUNTING BOLTS FOR STREET NAME SIGNS SHALL BE ZINC OR CADMIUM PLATED.

CITY & COUNTY OF DENVER	STD DWG NO 10 2.13
OVERHEAD STREET NAME SIGNS (INSTALLED AFTER APRIL 2011)	DATE 1/12/12

Last Modification Date: 04/11/12 Drawing File Name: 1102-58-250-105-020 Standard Signs (105) 105.rvt Horizontal Scale: 1:2 Text Scale: As Noted	Sheet Revisions <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Date</th> <th>Comments</th> <th>By</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	Date	Comments	By				<p>City and County of Denver Department of Public Works Engineering Division 201 W. Colfax Ave. 300 Denver, CO 80202</p>	<p>Colorado Department of Transportation 1500 North Colorado Avenue Denver, CO 80202 Phone: 303.733.7400 www.codot.gov</p>	As Constructed No Revisions Revisions None	FEDERAL BLDG. RECON. - 5TH AVE. 10 HOWARD PLACE CITY AND COUNTY OF DENVER TRAFFIC STANDARD DRAWINGS Designer: Structure Detailer: SPJ Sheet Subject: TSD Sublet Sheets 38 of 40	Project No./Code 1102-58-250-105-020 SA 19957 2011-FPO-MSTP-8000-161 Sheet Number: 938
Date	Comments	By										



CITY & COUNTY OF DENVER
PARKING METER POST INSTALLATION

STD DWG NO
18214
DATE
1/12/12

Last Modification Date Drawing File Name: 110144-950-916-025 Standard Traffic Details.dwg Horizontal Scale: 1" = 20'-0"	Invt Vertical Scale: As Noted
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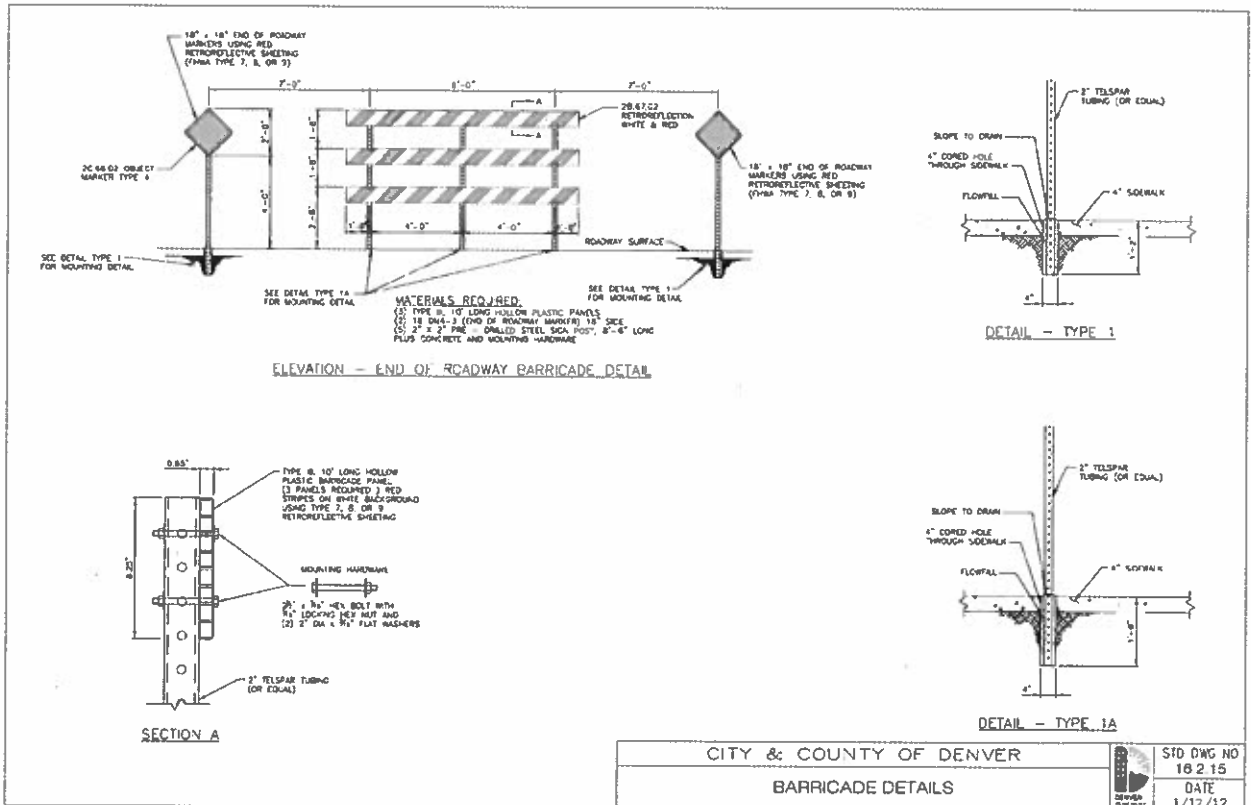


City and County of Denver Department of Public Works Engineering Division 201 W. Colfax, Dept. 305 Denver, CO 80202	Colorado Department of Transportation 1000 North Lincoln Avenue Denver, CO 80202 Region 1
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As Constructed No Penalties Per-100 VMD	FEDERAL BLVD. RECON. - 5TH AVE. TO HOWARD PLACE CITY AND COUNTY OF DENVER TRAFFIC STANDARD DRAWINGS Designer: SPJ Detaler: SPJ Sheet Subset: 100
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Project No./Code 110144-950-916-025 SA 19957 2011-PRD-MS1P-8000364 Sheet Number: 939
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CITY & COUNTY OF DENVER			STD DWG NO
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Date	Comments	INT

City and County of Denver Department of Public Works Engineering Division 201 W. Colfax, Dept 506 Denver, CO 80202
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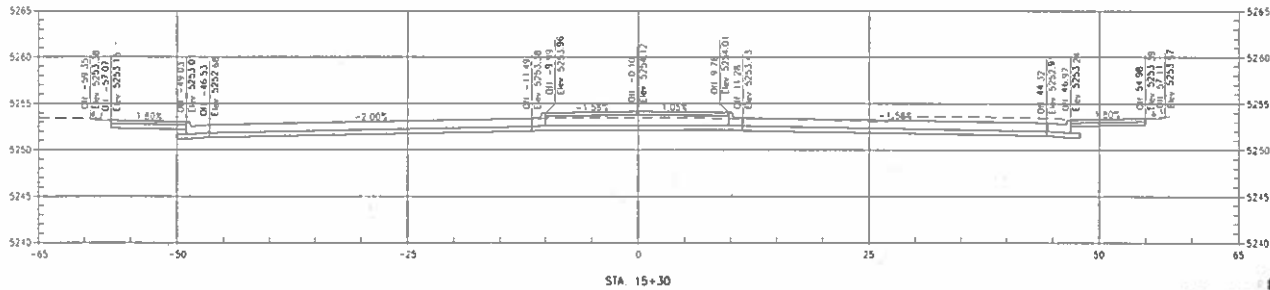
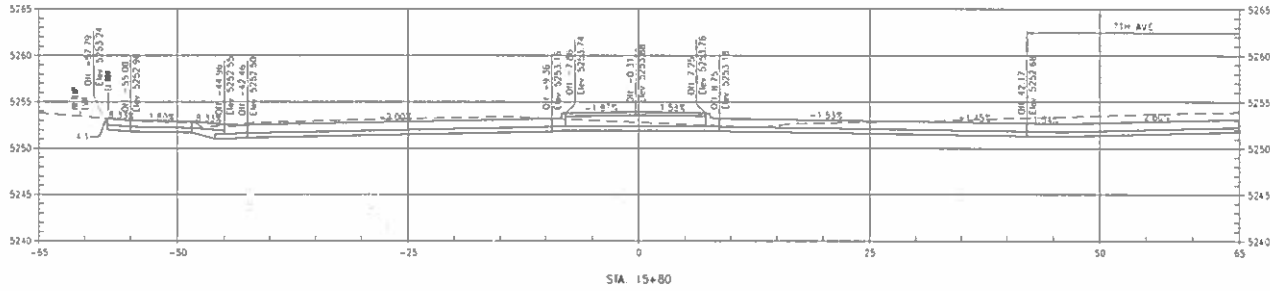
Colorado Department of Transportation 1000 North Lincoln Street Denver, CO 80202 Phone: 303.733.8800 Fax: 303.733.8801 Page: 1 of 2
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As Constructed	No Persons
Revised	
Void	

FEDERAL BLVD. RECON - 5TH AVE. TO HOWARD PLACE	
CITY AND COUNTY OF DENVER	
TRAFFIC STANDARD DRAWINGS	
Designer	Structure
Checker	SPT Numbers
Sheet Label	150 Sublet Sheets 40 of 42

Project No./Code	2011-PP0_M51P-0000161
Sheet Number	940

Vertical Scale: As Noted



10/17/2017
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Date	Comments

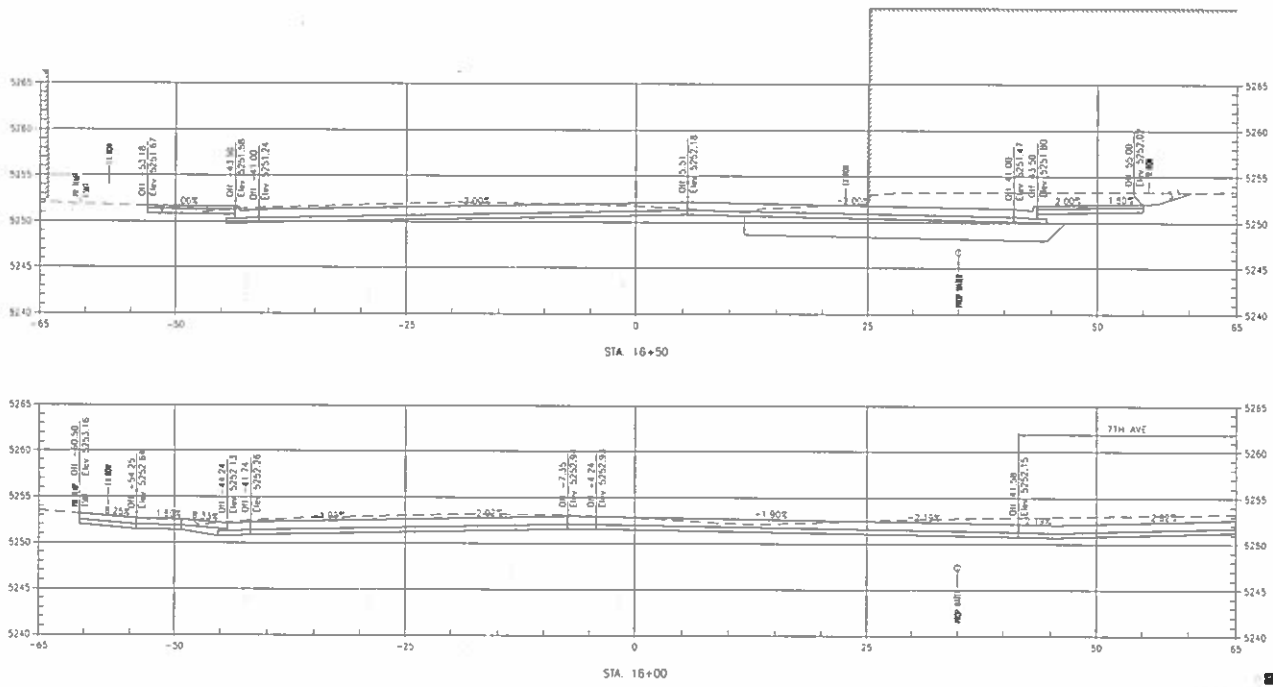


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FEDERAL BLVD. RECON - 5TH AVE. TO HOWARD PLACE
 STA 15+30 TO STA 15+60
 Designer: F50 Structure
 Detainer: R25 Numbers
 Sheet Subset: ISEC Subset Sheets 1 of 33

Project No./Code
 NHPD 2833-172
 SA 19957
 2011-PPD-MS1P-0000164
 Sheet Number: 1001





TSIOUYRAS **HOLDERNESS**
CONSULTING ENGINEERS

Last Modification Date: **INT**
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Date	Comments



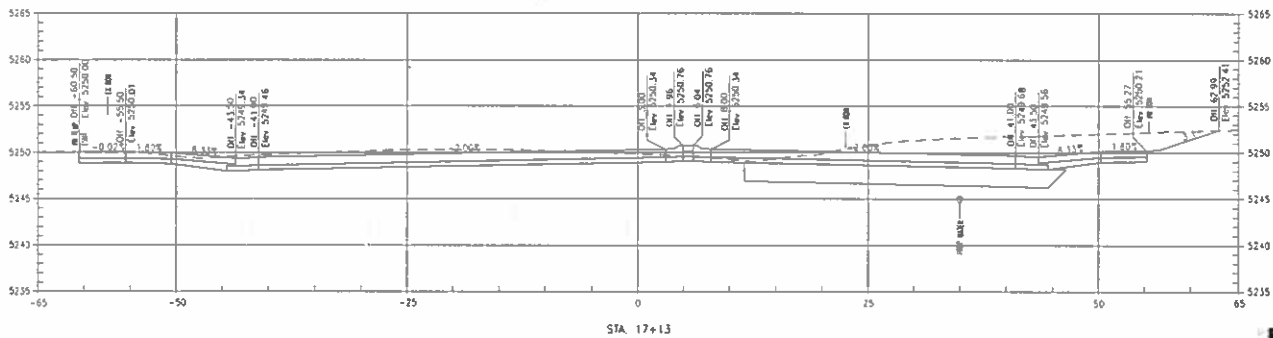
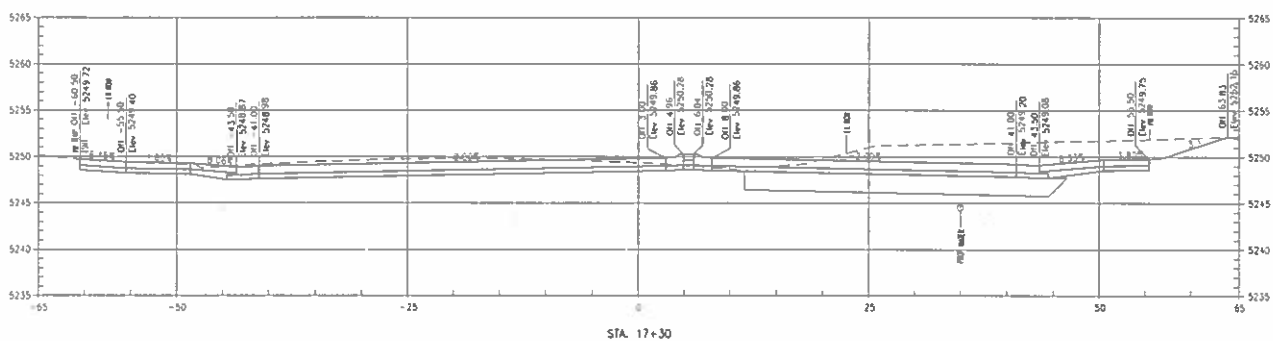
City and County of Denver
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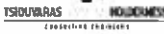
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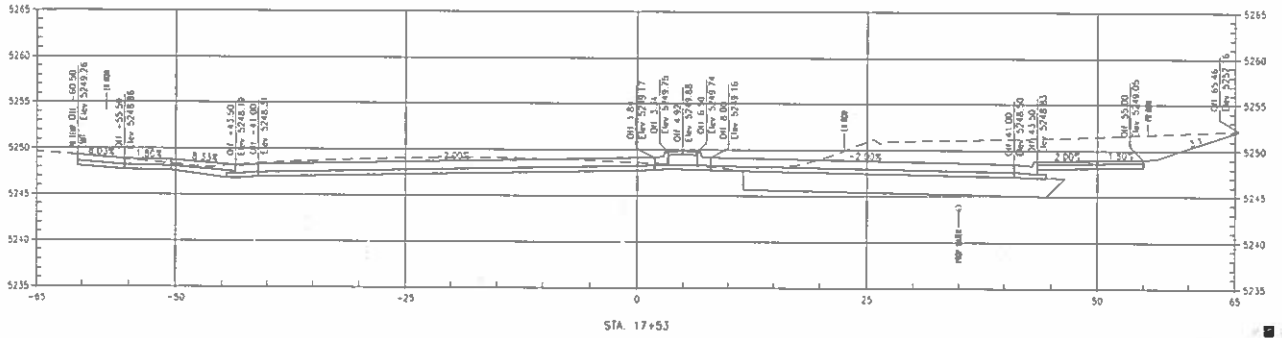
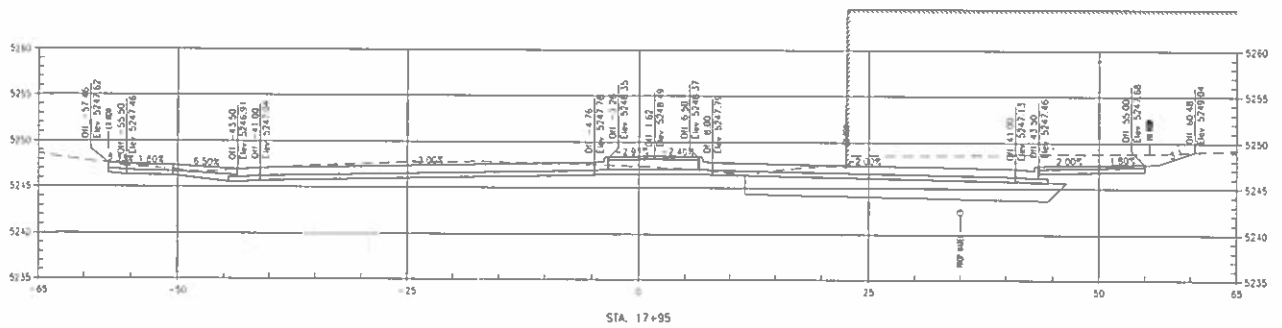
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STA 16+00 TO STA 16+50
 Designer: **r30** Structure
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 Sheet Subst: **VSEC** Subst Sheets: **2 of 33**

Project No./Code
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 SA 10557
 2011-PRO_VSEC-0000164
 Sheet Number: **1002**

Maple Ridge
 11-20-17
 11-20-17
 11-20-17



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TSO/VARRAS HOLDRESS

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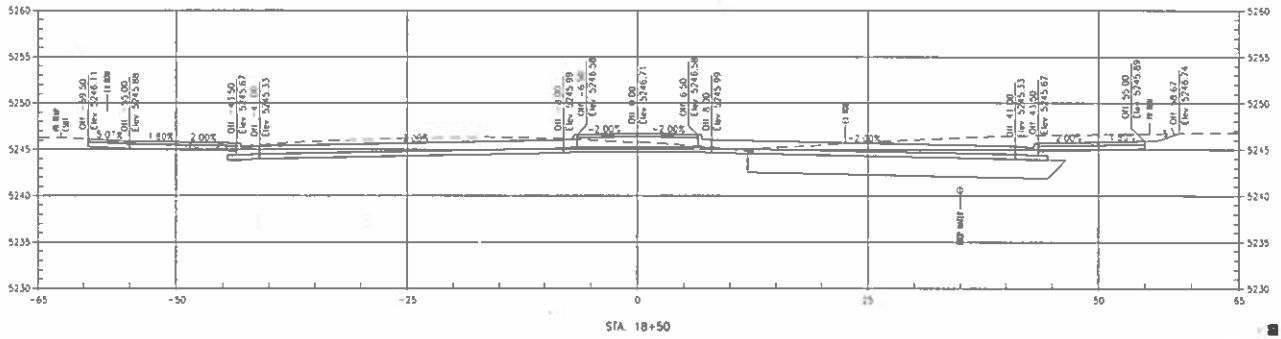
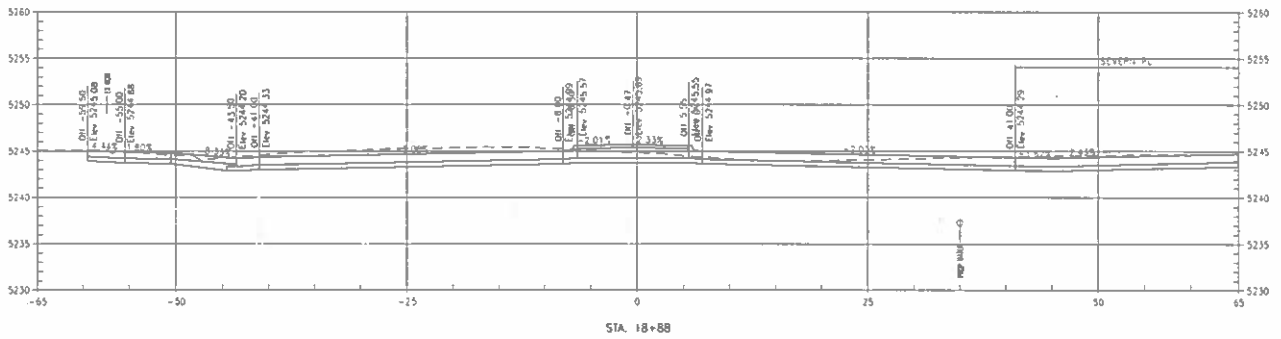
City and County of Denver
 Department of Public Works
 Engineer-in-Charge
 201 W. Colfax, Dept 308
 Denver, CO 80202

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 Decoder: RSO Structures
 Sheet Subst: ISEC Subst Sheets 1 of 33

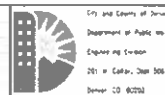
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 Sheet Number 1004

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Sheet Revisions	
Date	Comment



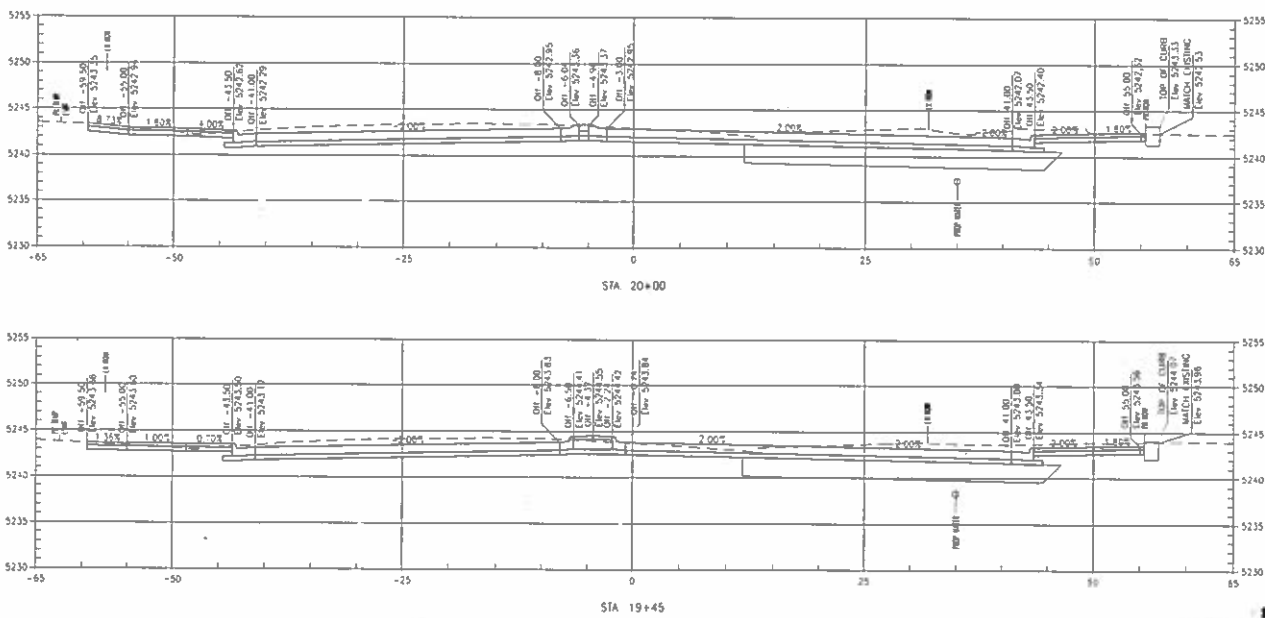
City and County of Denver
 Department of Public Works
 Engineering Section
 201 W. Colfax, Suite 505
 Denver, CO 80202

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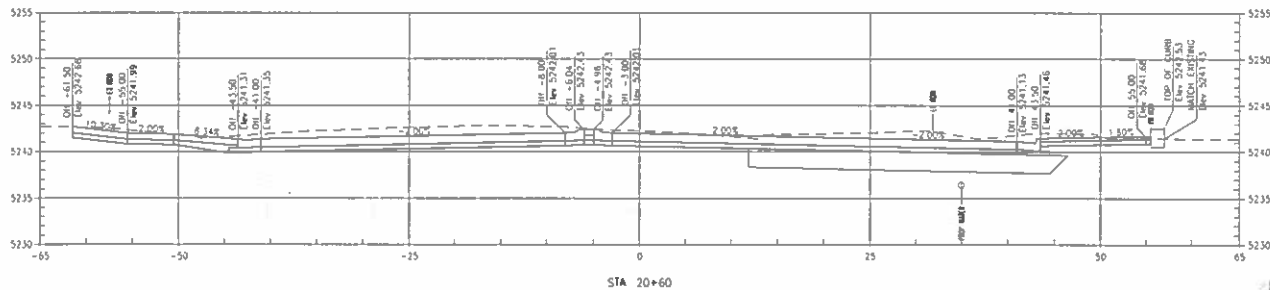
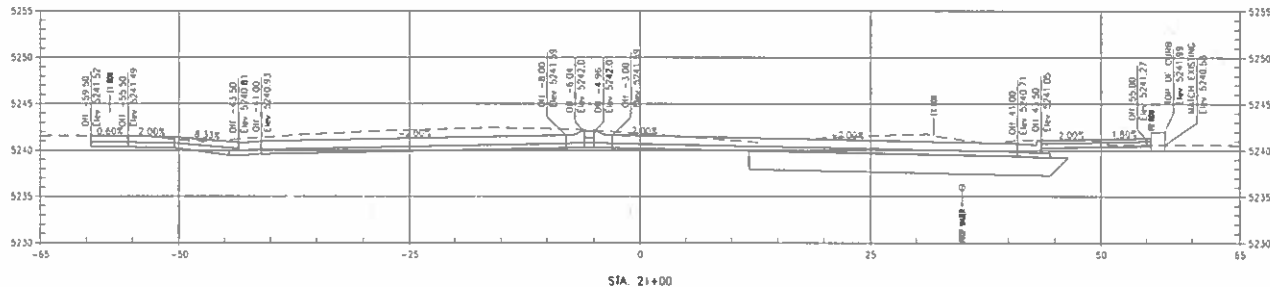
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 STA 18+50 TO STA 18+88
 Designer: K50 Structure
 Checker: K25 Numbers
 Sheet Subset: 1SEC Subset Sheets 5 of 33

Project No./Code
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 SA 13957
 2011-FRD-MS1P-0000364
 Sheet Number: 1005

TSIKOUVARAS HOLDENESS

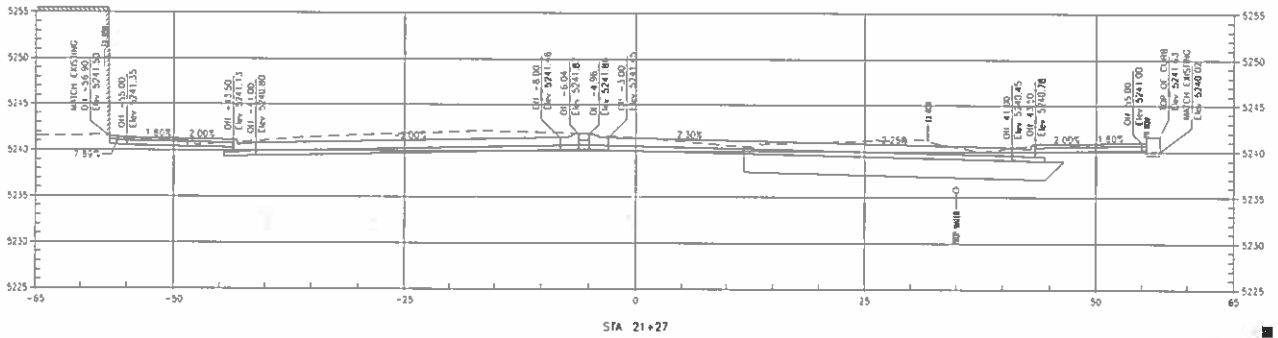
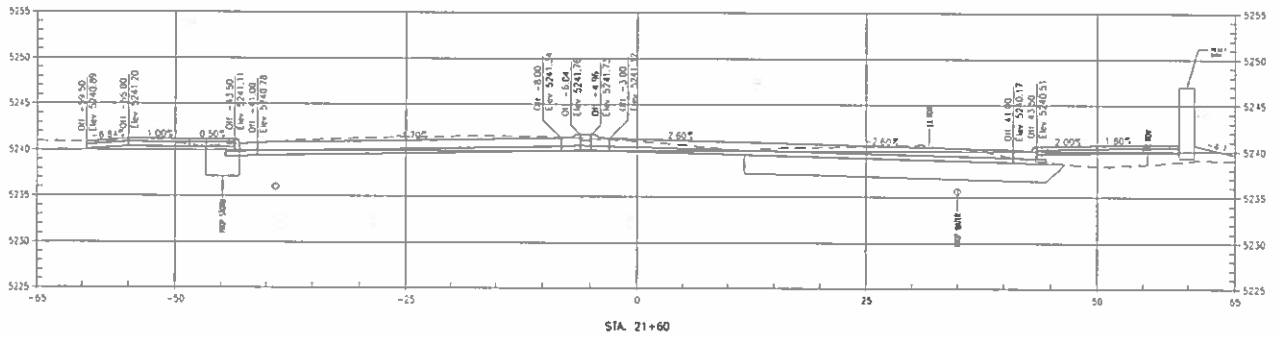


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Sheet Revisions																						
Date	Comments	Int																				



Last Modification Date Drawing File Name Horizontal Scale 110	Int. Drawing File Name Vertical Scale As Noted	Sheet Revisions		City and County of Denver Department of Public Works Engineer of Record 2011 Colfax, Dept 508 Denver CO 80202	Colorado Department of Transportation Project 1	As Constructed	FEDERAL BLVD. RECON. - 5TH AVE. TO HOWARD PLACE STA 20+60 TO STA 21+00	Project No./Code
		Date Comments	No Persons Revised Void			Designer #50 Detaler #JC Sheet Subset #SEL	Structure # of Sheets Number 7 of 33	HNDP 2073-172 SA 19937 2011-PRQ-JMSIR-0000164 Sheet Number 1007

10/27/2017
 11/20/2017
 1/10/2018



TSIONIRAS HOLDERMESS
ENGINEERS

Last Modification Date: N/A
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Date	Comments

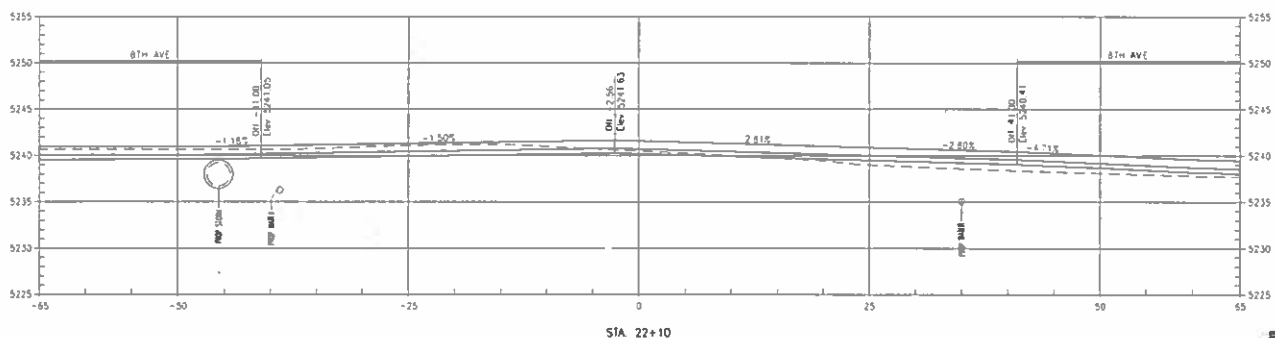
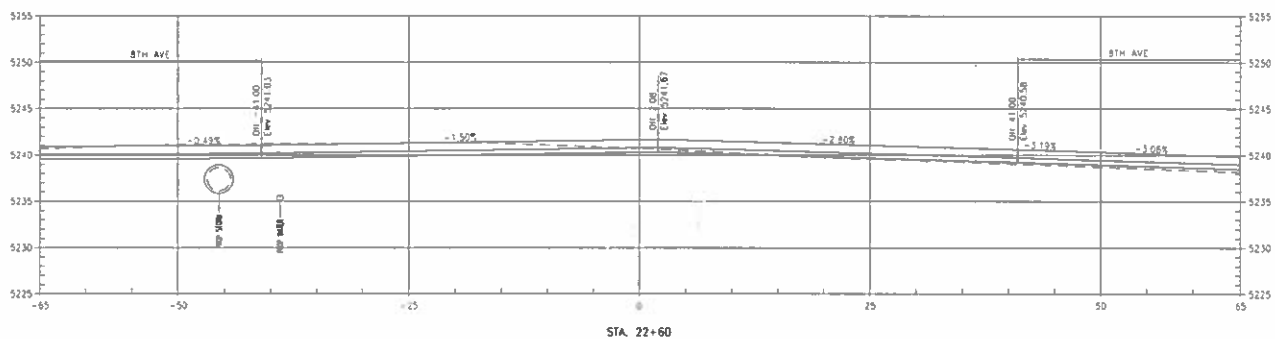
City and County of Denver
 Department of Public Works
 Engineering Division
 201 W. Colfax, Suite 506
 Denver, CO 80202

Colorado Department of Transportation
 Project 1102154
 Page 1 of 29

As Constructed
 No Previous
 Revised
 Void

FEDERAL BLVD. RECON. - 5TH AVE. TO HOWARD PLACE
 STA 21+27 TO STA 21+60
 Designer: RSD
 Checker: RJS
 Sheet Subst: +SEC Subst Sheets 8 of 33

Project No./Code
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 SA 19957
 2011-PRO-VS1P-0000354
 Sheet Number: 1008



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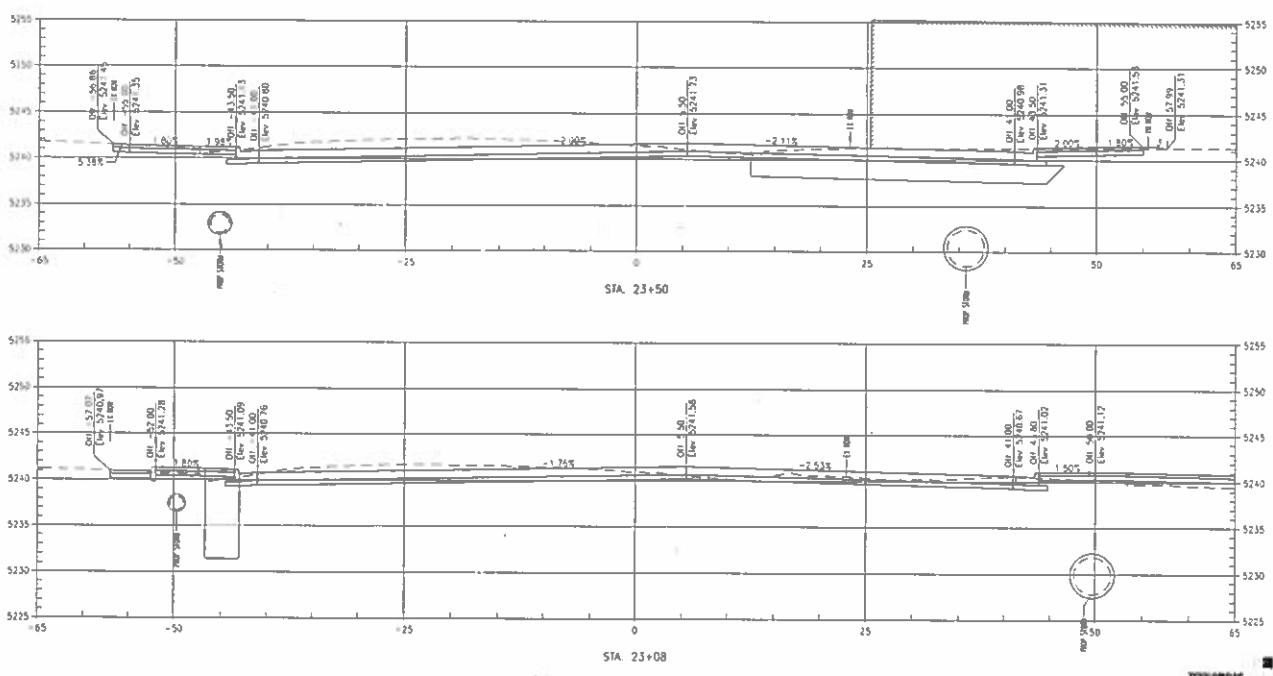
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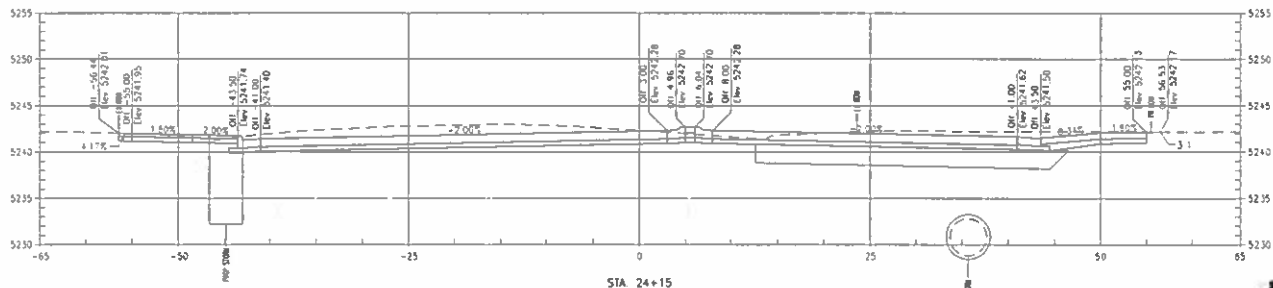
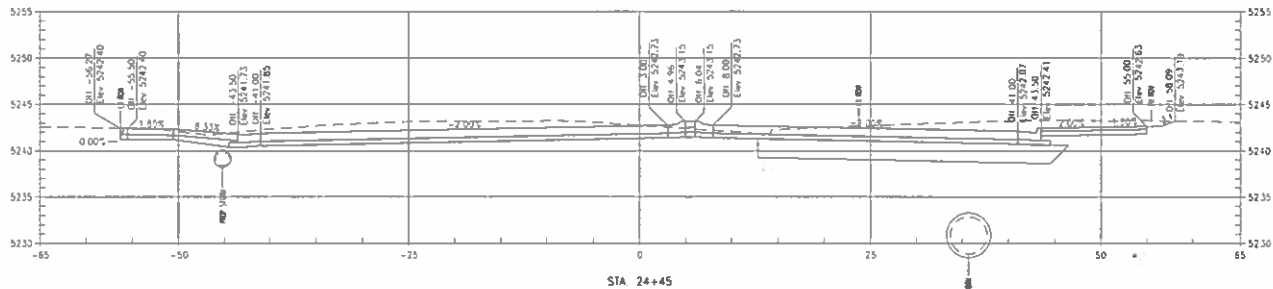
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 Detainer: KJC
 Sheet Subset: VSEC Subject Sheets 3 of 33

Project No./Code
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 SA 13997
 2011-FRDW-S1A-0000363
 Sheet Number: 1009

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	TYPENOTES HOLDINGS CONSULTING ENGINEERS						



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Date	Comments

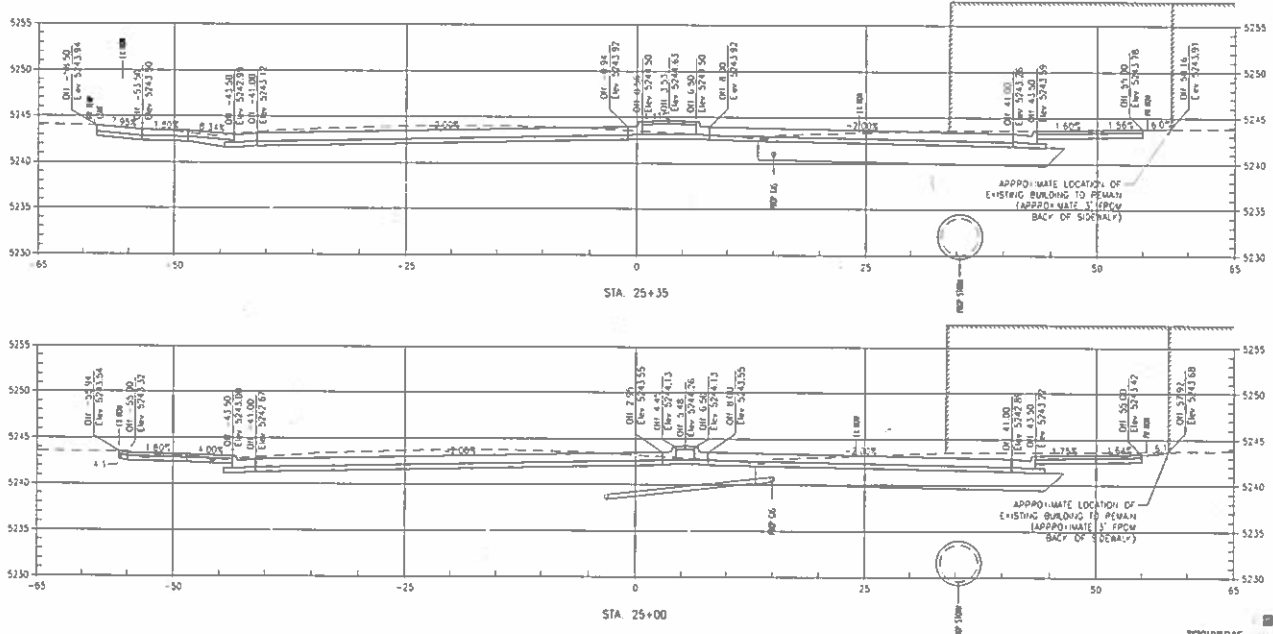


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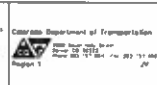
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TSI/UNIVERSITY HOLDINGS



Last Modification Date:
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Sheet Revisions		
Date	Comments	By

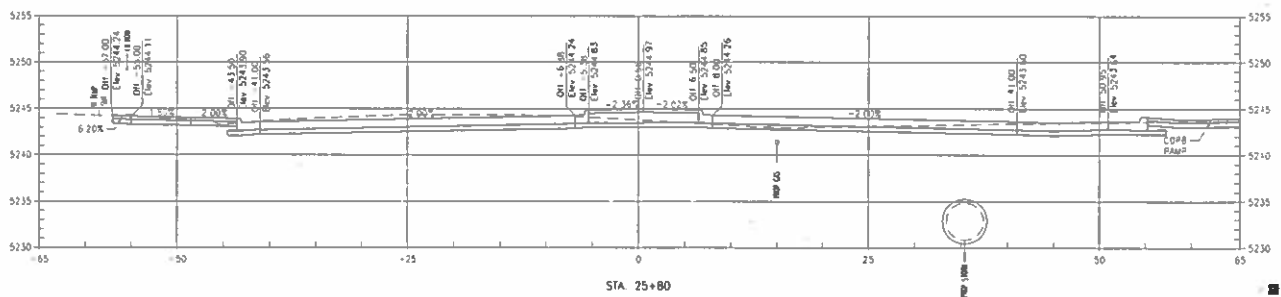
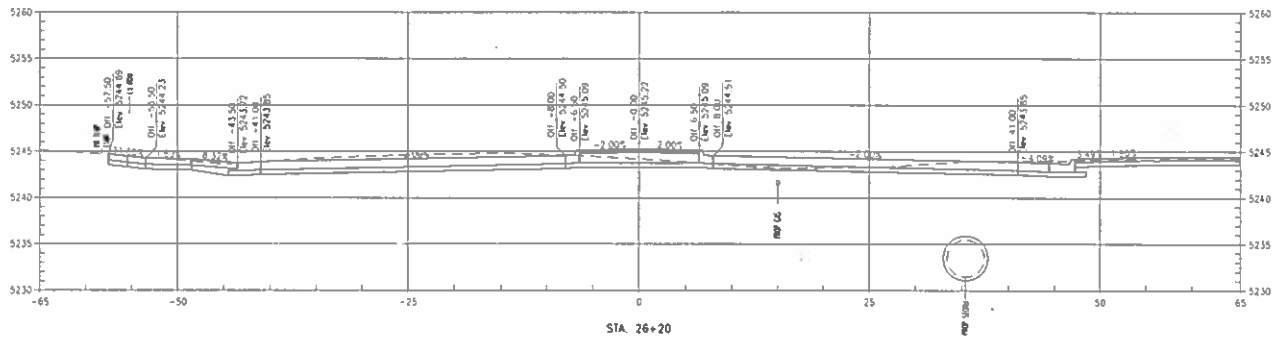


As Constructed
 No Revisions
 P1-102
 V01

FEDERAL BLVD. RECON - 5TH AVE. TO HOWARD PLACE
 STA 25+00 TO STA 25+35
 Designer: FSO Structure
 Detainer: F.G. Hurdette
 Sheet Subset: 15EC Subset Sheets 12 of 33

TSOUVRAS HOLDINGS
 CONSULTING ENGINEERS
 Project No./Code: 11HPP 2873-172 SA 19957
 2011-FPO_MSTP-0000364
 Sheet Number: 1012

11/15/2017 11:02:18 AM
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TSOUVRAS HOLDINGS
(CONSULTING ENGINEERS)

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Sheet Revisions		
Date	Comments	Invt



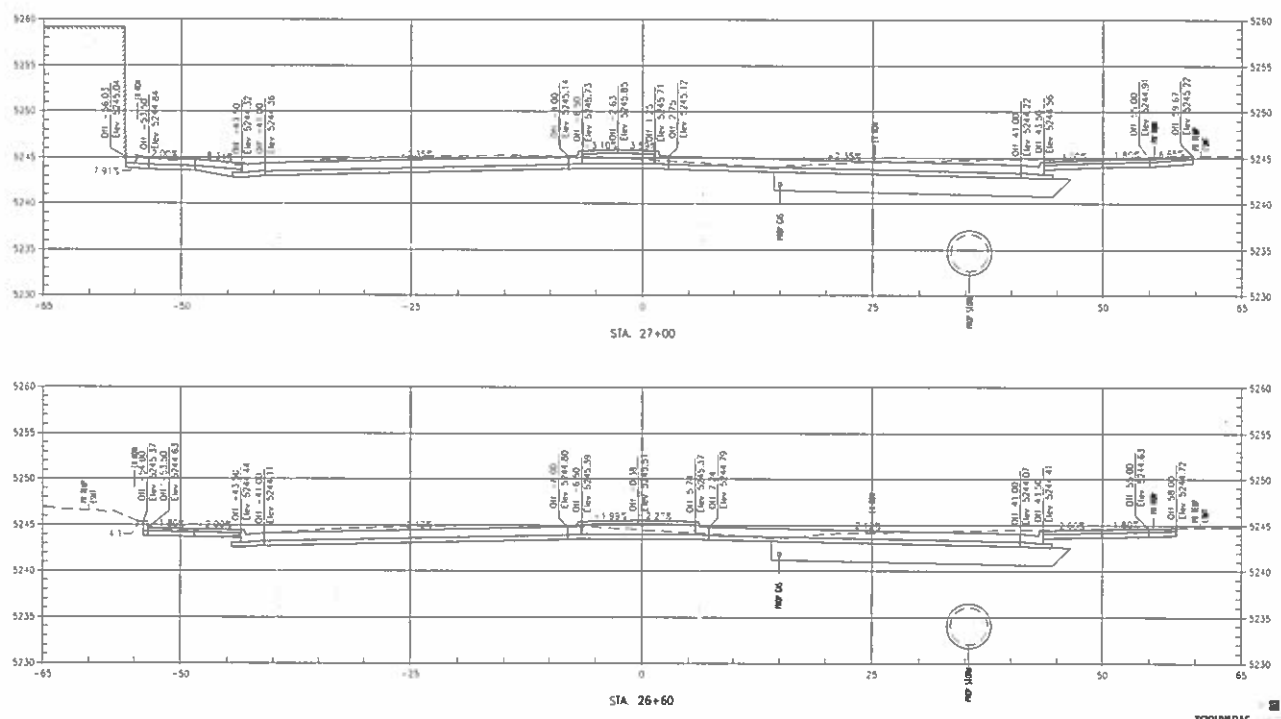
City and County of Denver
 Department of Public Works
 Engineering Division
 291 W. Colfax, Dept. 306
 Denver, CO 80202

As Constructed
 No Previous
 Revised
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FEDERAL BLVD. RECON - 5TH AVE TO HOWARD PLACE
 STA 25+80 TO STA 26+20
 Designer: #50 Structure
 Detacher: #JC Numbers
 Sheet Subset: 1SEC Subset Sheets 13 of 33

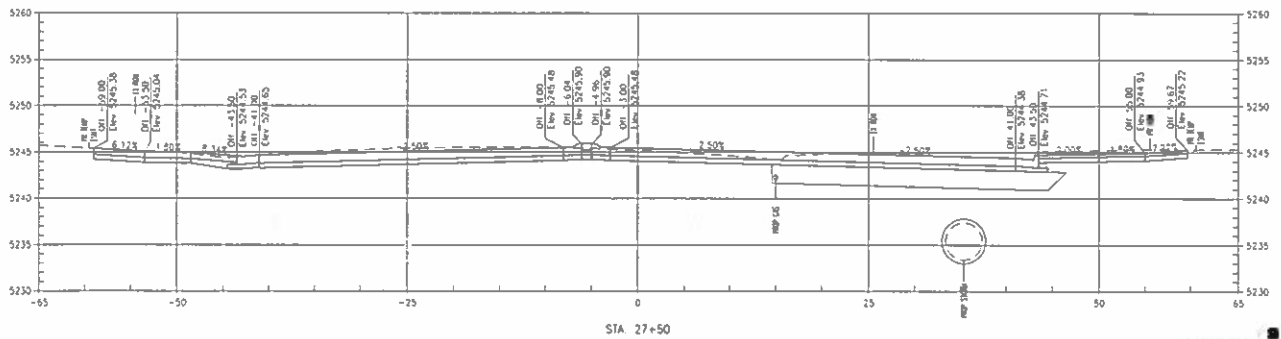
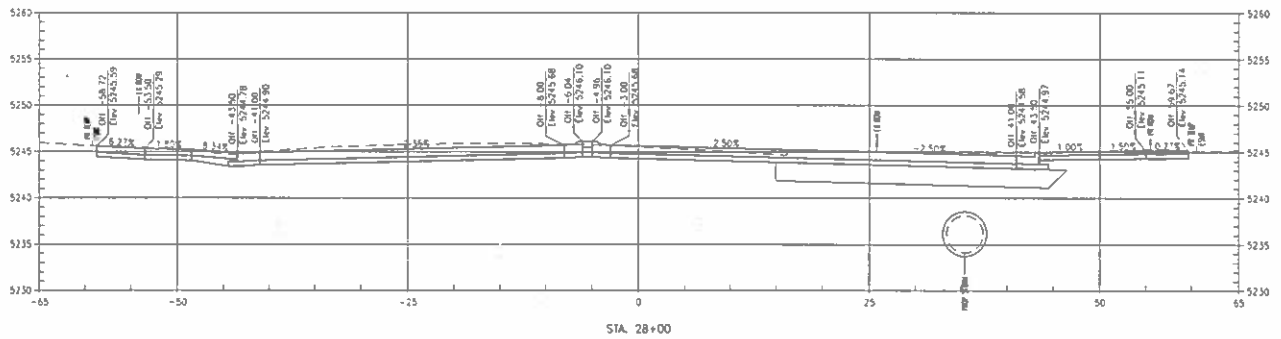
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 SA 19937
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 PL 1102158



TSOUMRAS HOLDINGS
CONSULTING ENGINEERS

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Sheet Revisions		
Date	Comments	Int.

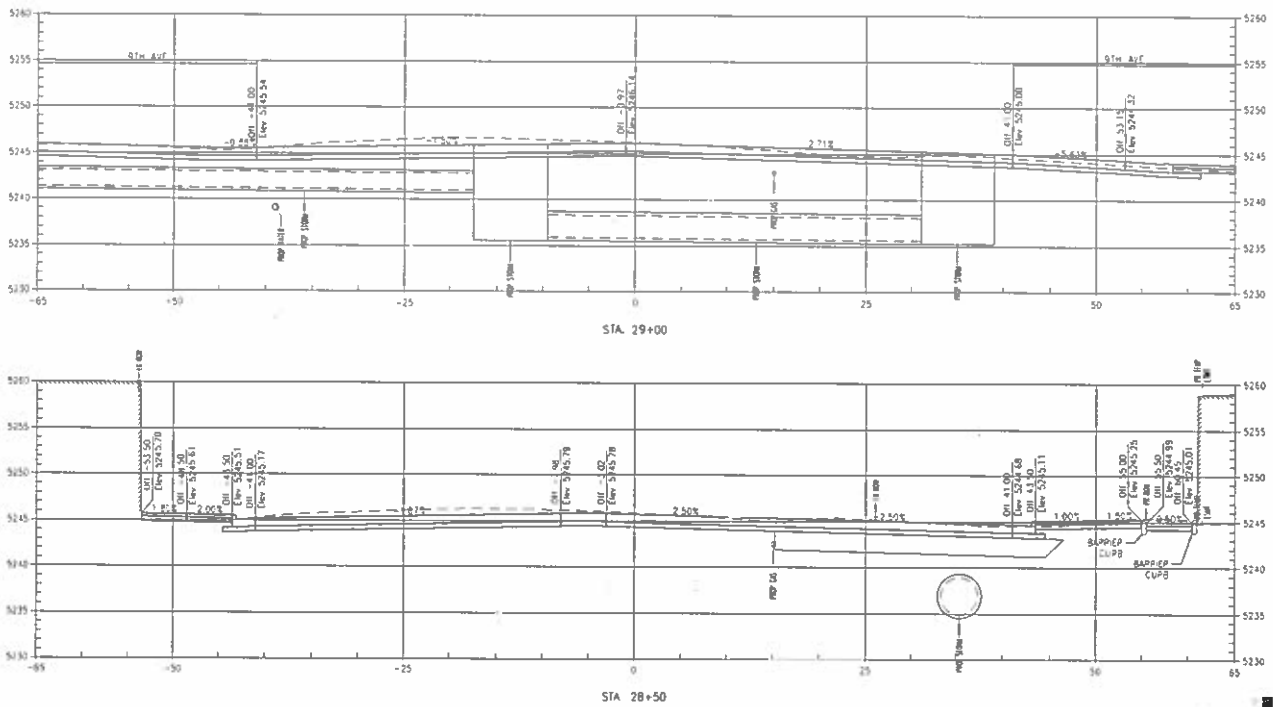


As Constructed
 No. Persons: _____
 Per: SAO
 Void: _____

FEDERAL BLVD. RECON. - 5TH AVE. TO HOWARD PLACE
 STA 27+50 TO STA 28+00
 Designer: F50 Structure
 Detaler: FJG Numbers
 Sheet Subset: VSEC Subset Sheets 15 of 33

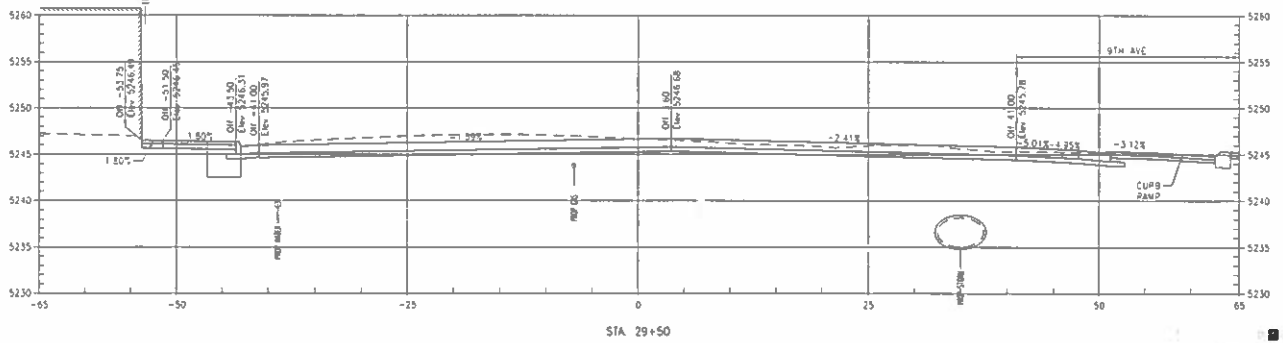
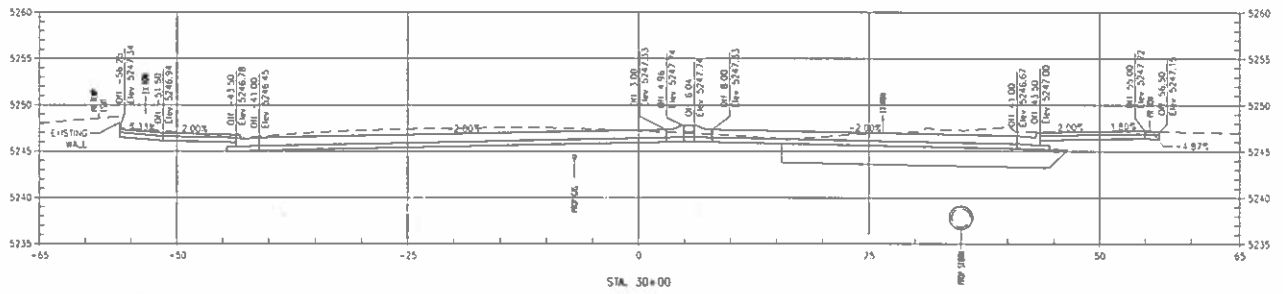
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 SA 19957
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Sheet Number: 1015 of 1015



SCUMBRAS HOLDINGS

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Date	Comments	By																
11/12/2016 11:00:17 AM P:\1102198																		



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Sheet Revisions		
Date	Comments	By



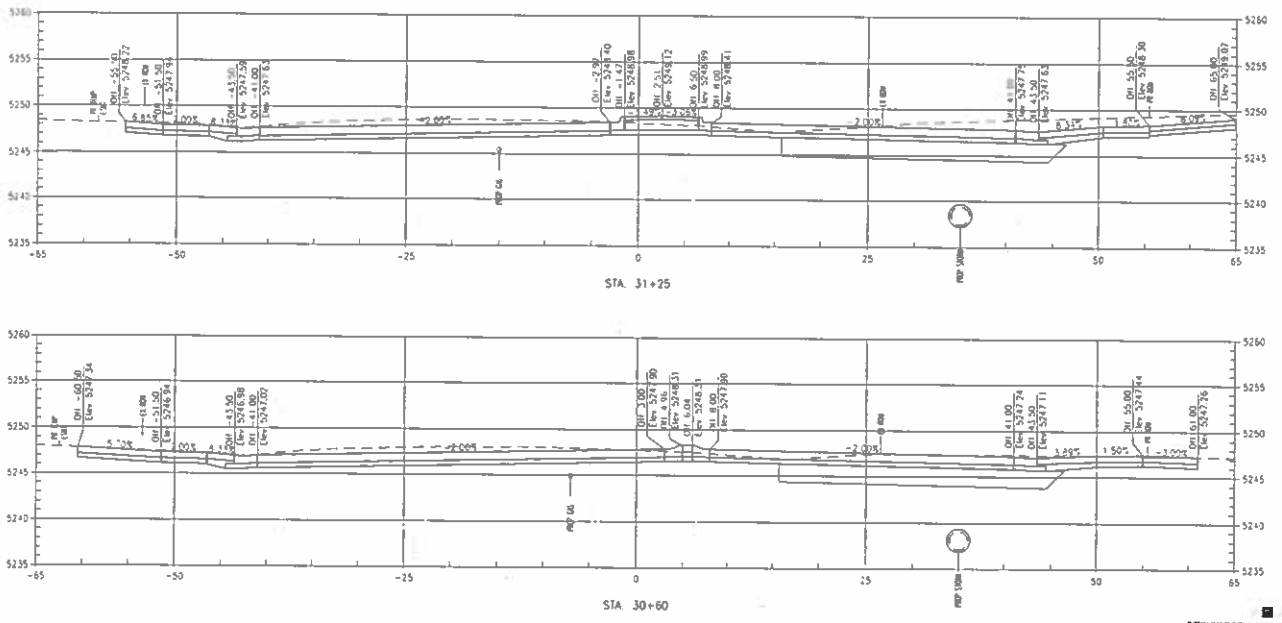
City and County of Denver
 Department of Public Works
 Engineering Center
 2510 East Colfax, Dept 500
 Denver, CO 80202

As Constructed
 No Revisions
 Revised
 V04

FEDERAL BLVD. RECON. - 5TH AVE. TO HOWARD PLACE
 STA 29+50 TO STA 30+00
 Designer: R50 Structure
 Detaler: R/JG Numbers
 Sheet Subset: +SEC Subset Sheets 17 of 35

Project No./Code
 1100P 2673-172
 SA 19957
 2011-PROJ.MSIP-0000564
 Sheet Number: 1017

Sheet Number: 1017 of 1017



TS/DUMRAS **HOLDERNESS**

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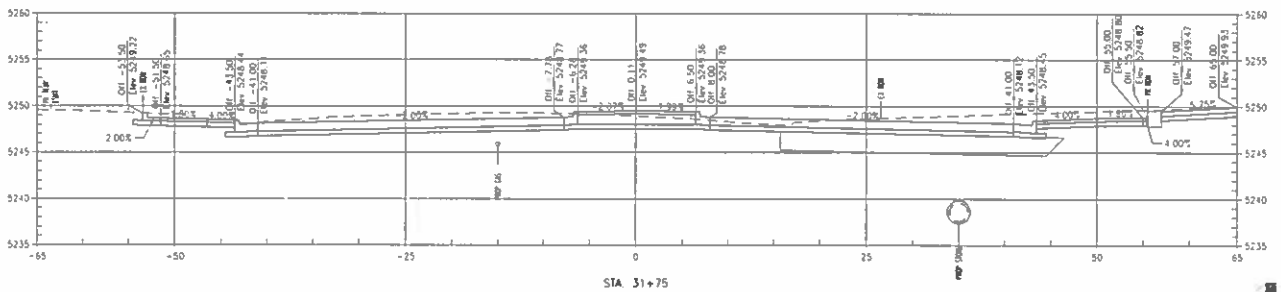
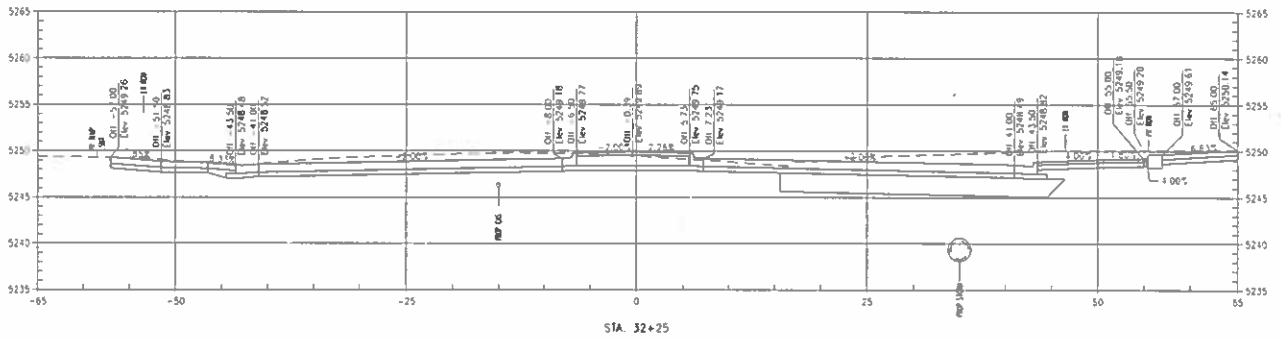
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Date	Comments



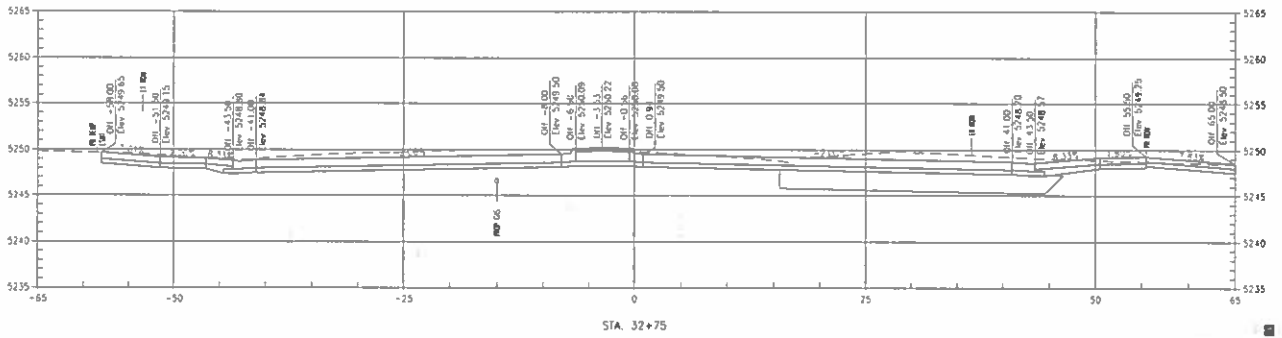
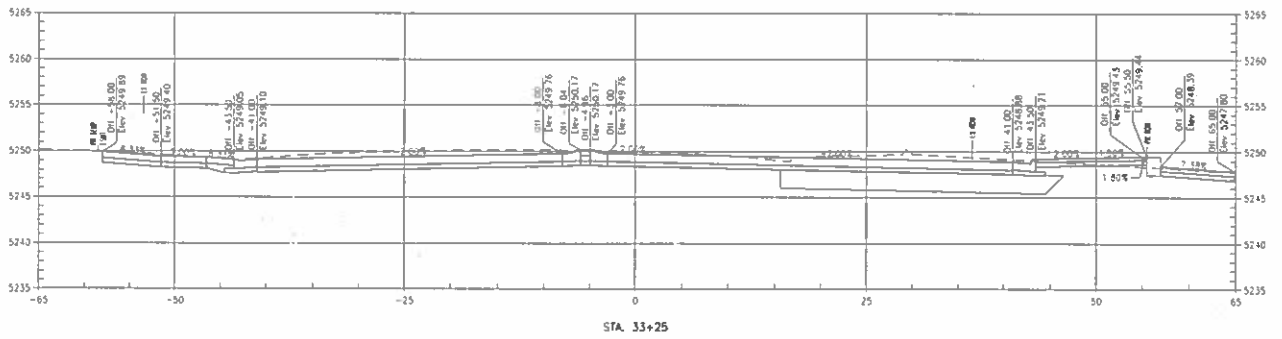
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FEDERAL BLVD. RECON. - 5TH AVE. TO HOWARD PLACE
STA 30+60 TO STA 31+25
 Designer: FSD
 Checker: FJC
 Sheet Sublet: HSEC Sublet Sheets 18 of 33

Project No./Code
 10RPP 2873-172
 SA 19957
 2011-PPD-VS1P-0000363
 Sheet Number **1018**



Last Modification Date: 1/1/18 Drawing File Name: 1102158-EXTRA 1SEC_FINAL.dwg Horizontal Scale: 1:10 Vertical Scale: As Noted	Sheet Revisions Date: _____ Comments: _____ 1/1	 City and County of Denver Department of Public Works Engineering Division 201 • Center, Dept 500 Denver, CO 80202	 Colorado Department of Transportation Region 1	As Constructed No. Revisions: _____ Revised: _____ VSD: _____	FEDERAL BLVD RECON - 5TH AVE. TO HOWARD PLACE STA 31+75 TO STA 32+25	Project No./Code HMPB 2013-172 SA 19957 2013-PROJ.VSTP-0000161
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TSOUVRAS HOLDINGS
DESIGN BY: TSOUVRAS HOLDINGS

Last Modification Date	04/11/17
Drawing File Name	1102156-FEDCAL_VSEC_PWA.dwg
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Sheet Revisions		
Date	Comments	By



City and County of Denver
 Department of Public Works
 Engineer in Charge
 201 W. Colfax, Dept 306
 Denver, CO 80202



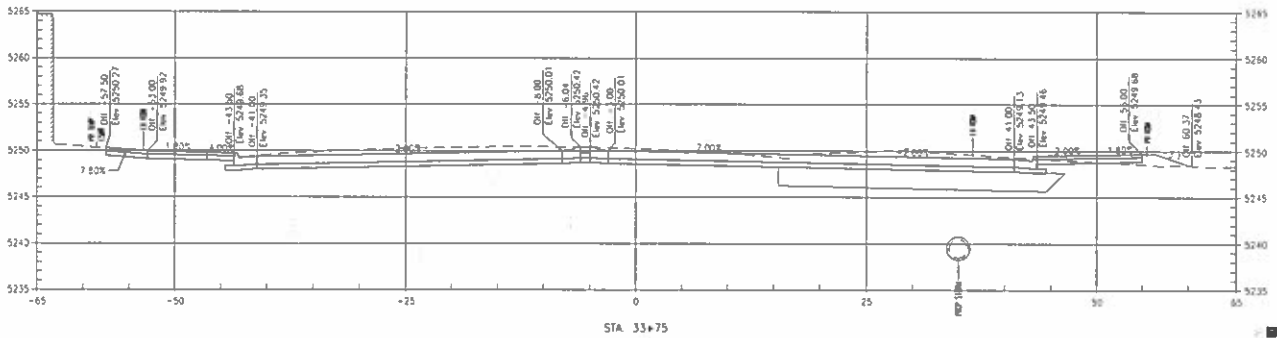
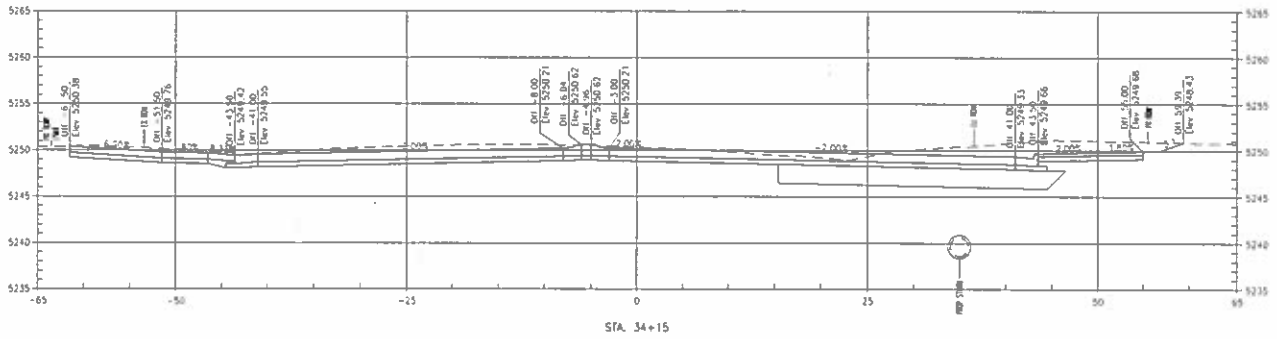
Colorado Department of Transportation
 Project No. 17-0001
 Section 11.01
 Federal Blvd. Reconstruction
 From I-25 to I-70
 2017

As Constructed	No Revisions
Revised	
Noted	

FEDERAL BLVD. RECON. - 5TH AVE. TO HOWARD PLACE	
STA 32+75 TO STA 33+25	
Designer	FSD Structure
Detector	#2 Numbers
Sheet Subset	+SEC Subset Sheets 20 of 33

Project No./Code	11MP 2873-172 SA 19957
Sheet Number	2011-PRD_VSTP-0000161 1020

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 11/02/17



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Sheet Revisions	
Date	Comments

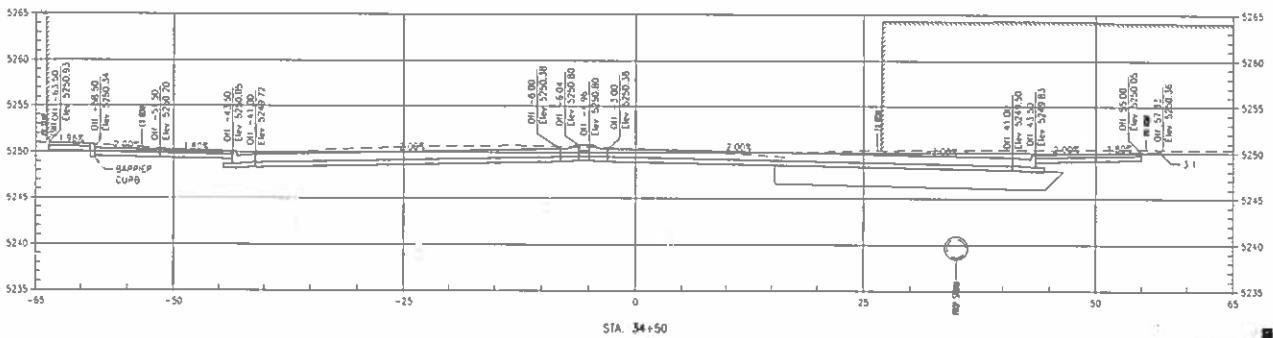
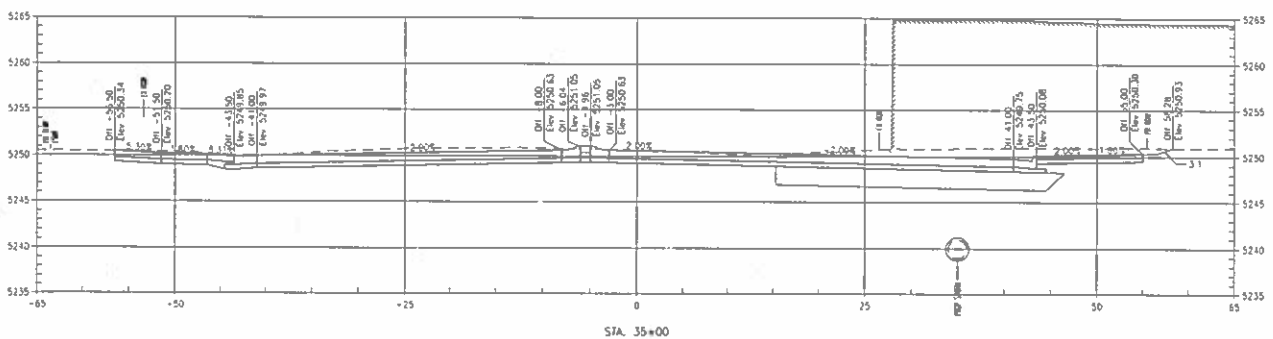


As Constructed
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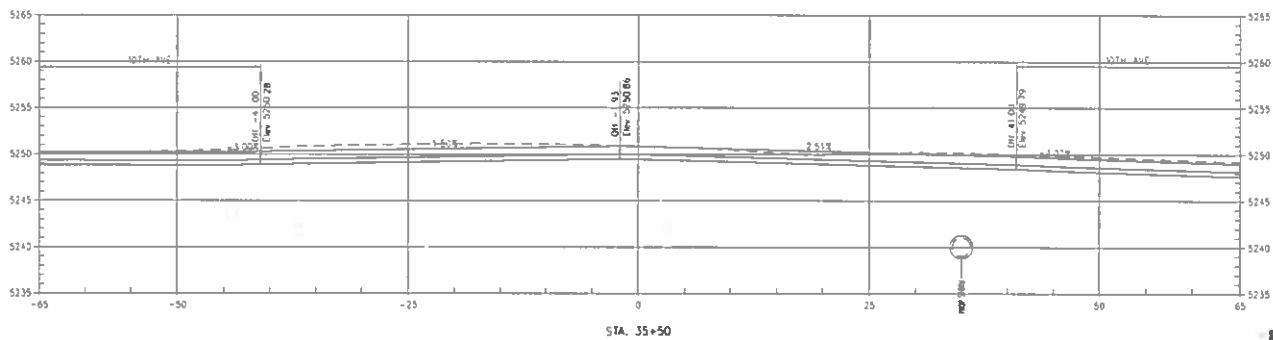
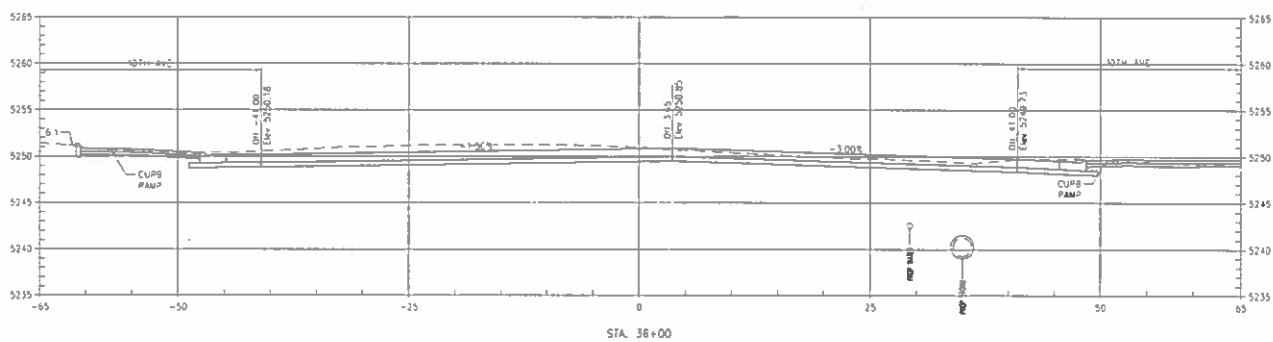
FEDERAL BLVD RECON - 5TH AVE TO HOWARD PLACE
STA 33+75 TO STA 34+15
 Designer: P30 Structure
 Checker: xJC Numbers
 Sheet Subset: +SEC Subset Sheets 21 of 33

Project No./Code
 NHPP 2873-172
 SA 13057
 2011-PPDU51P-0000364
 Sheet Number **1021**

10/17/2017
 10/17/2017
 10/17/2017



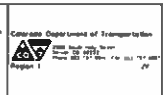
<p>Vertical Profile 11/20/18 AM 11/20/18 AM</p>	<p>Horizontal Scale 1:10</p>	<p>Vertical Scale As Noted</p>	<p>Sheet Revisions</p> <table border="1"> <thead> <tr> <th>Date</th> <th>Comments</th> <th>By</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Date	Comments	By				<p>City and County of Denver Department of Public Works Engineering Division 251 W. Colfax, Dept 306 Denver, CO 80202</p>	<p>Colorado Department of Transportation Project 1</p>	<p>As Constructed</p> <p>No Revisions</p> <p>Revised</p> <p>Void</p>	<p>FEDERAL BLVD. RECON - 5TH AVE. TO HOWARD PLACE</p> <p>STA 34+50 TO STA 35+00</p> <p>Designer: FSD Structure</p> <p>Detailer: FSD Numbers</p> <p>Sheet Subset: +SEC. Subset Sheets 22 of 33</p>	<p>PROJECT ENGINEERS</p> <p>TSQUINAS HOLDINGS</p> <p>Project No./Code: RUPP 1873-172 SA 19957</p> <p>2011-PRO.MSTP-0000361</p> <p>Sheet Number 1022</p>
Date	Comments	By												



TSIOUVRAS **HOLDERNESS**
CONSULTING ENGINEERS

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Date	Comments

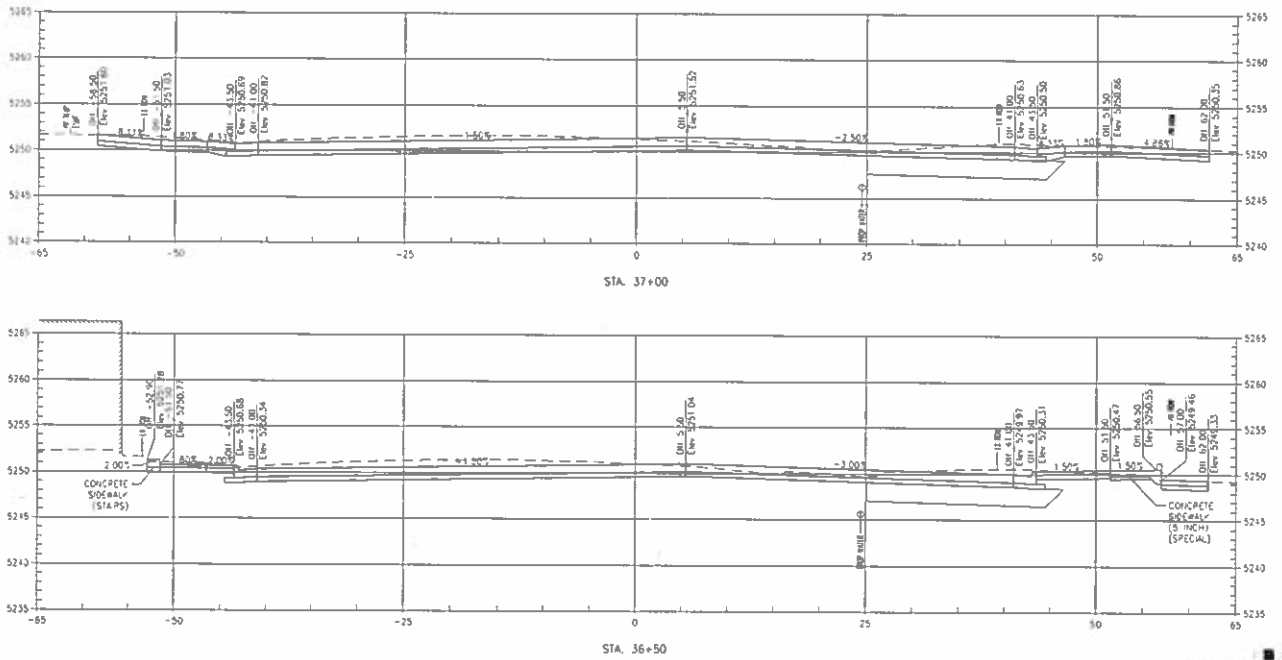


As Constructed
No Revisions
Revised
VSD

FEDERAL BLVD RECON - 5TH AVE. TO HOWARD PLACE
STA 35+50 TO STA 36+00
Designer: FSO
Detailer: FJG
Sheet Subset: 1502 Subset Sheets 23 of 33

Project No./Code
14HPP 2873-172
SA 13957
2011-PROJ/MSTR-000164
Sheet Number: **1023**

11/17/2017
 11/17/2017
 11/17/2017



Last Modification Date: 04/11/17
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Sheet Revisions		
Date	Comments	By

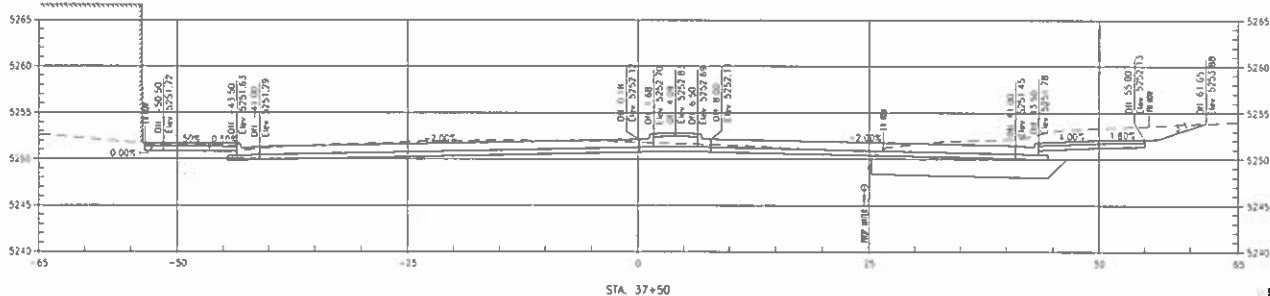
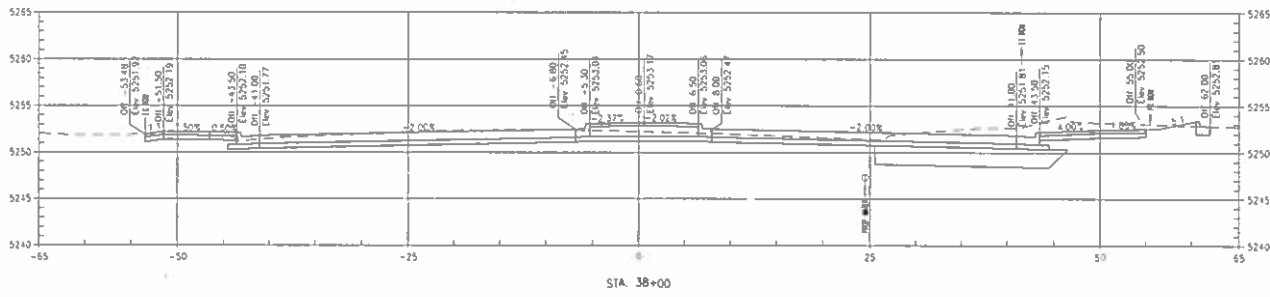




As Constructed
 No Revisions
 Revised
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FEDERAL BLVD. RECON. - 5TH AVE. TO HOWARD PLACE
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 Designer: JSD Structure
 Checker: JJC Numeris
 Sheet Subset: 1 SEC Subset Sheets 24 of 33

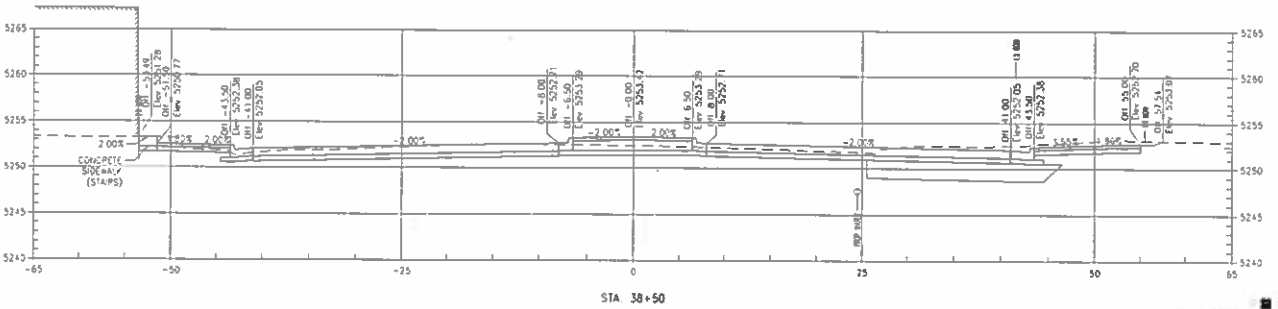
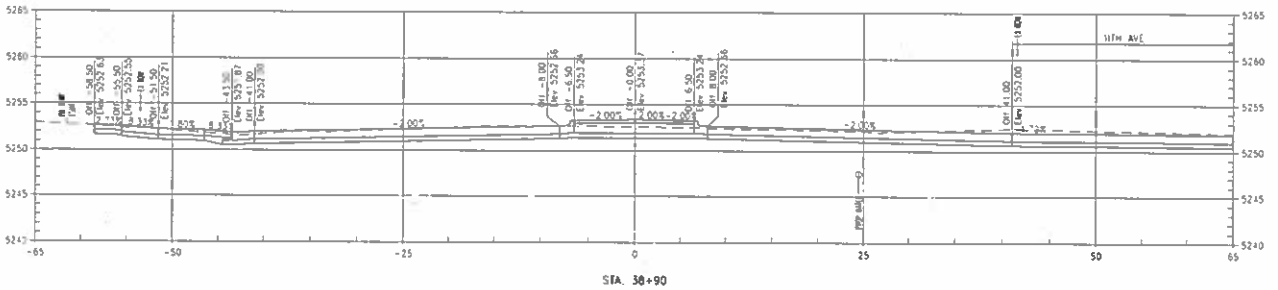
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 SA 19957
 2011-PPD_MSTP-0000364
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11/28/17 AM
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150-WP-18 HOLDLINESS

Last Modification Date: 1/11/18
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Date	Comments



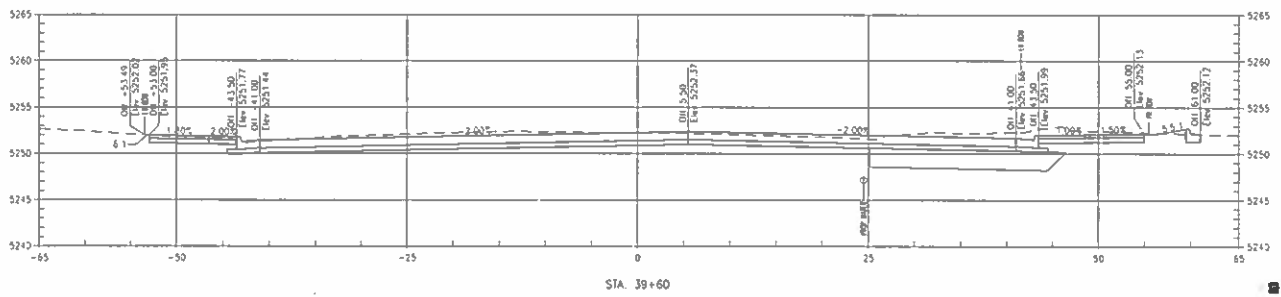
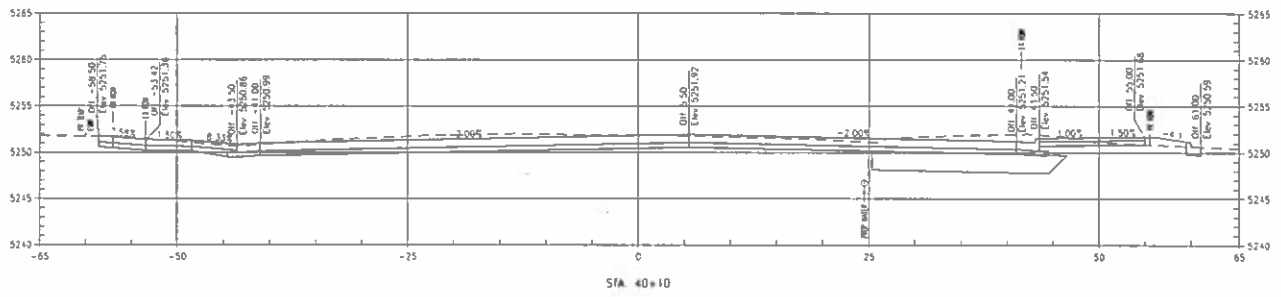
City and County of Denver
 Department of Public Works
 Engineering Division
 291 N. Colorado, Dept. 503
 Denver, CO 80202

As Constructed
 No Revisions
 Permitted
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 STA 38+50 TO STA 38+90
 Designer: R50 Structures
 Detailer: R2G Numbers
 Sheet Subset: *SEC Subset Sheets 25 of 33

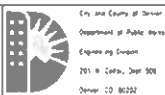
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Sheet Revisions	
Date	Comments



As Constructed

No Revisions
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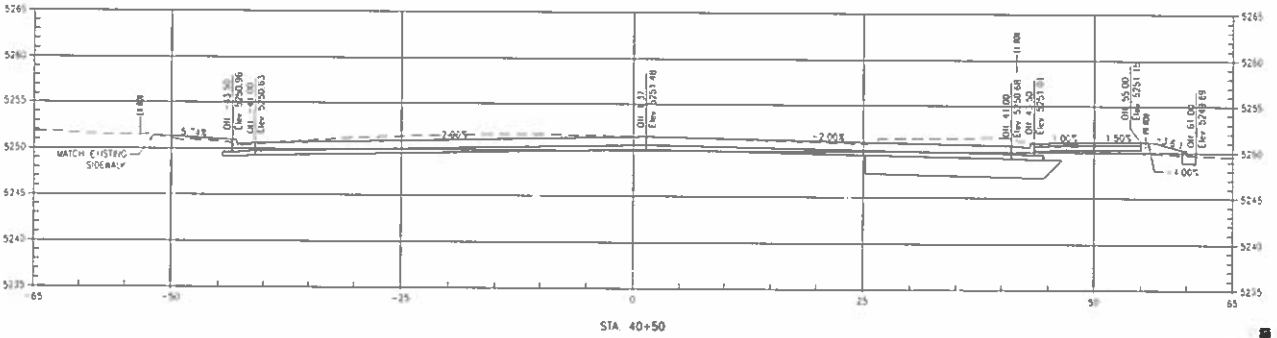
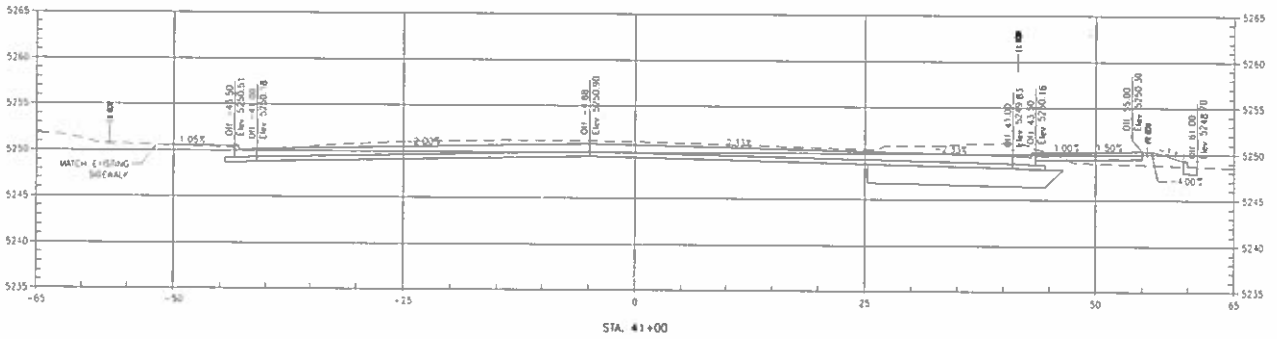
FEDERAL BLVD. RECON. - 5TH AVE. TO HOWARD PLACE
 STA 39+60 TO STA 40+10

Designer: VSO
 Detailer: VJG
 Sheet Subject: VSEC Subsect Sheets 27 of 33

Project No./Code

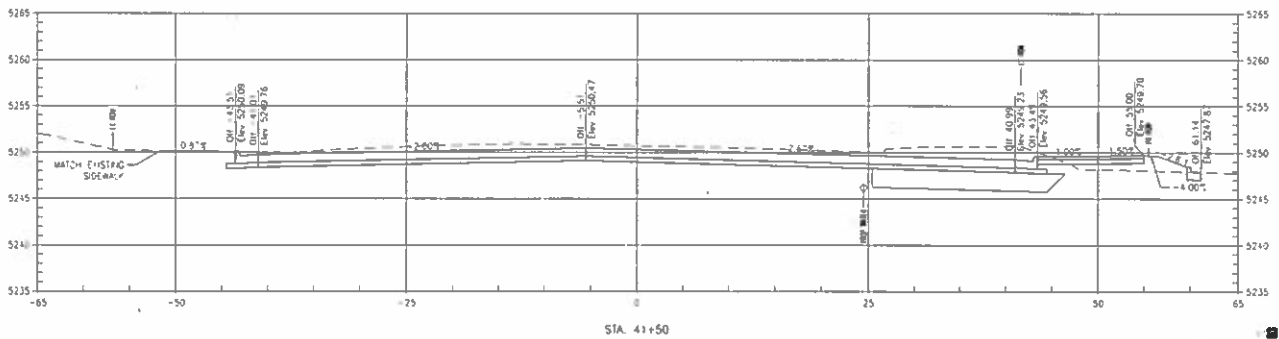
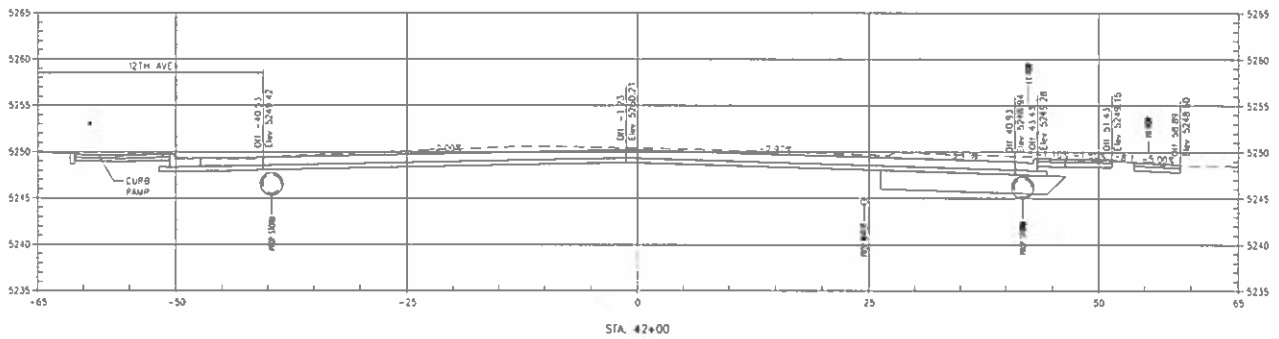
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 SA 13957
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10/17/2017
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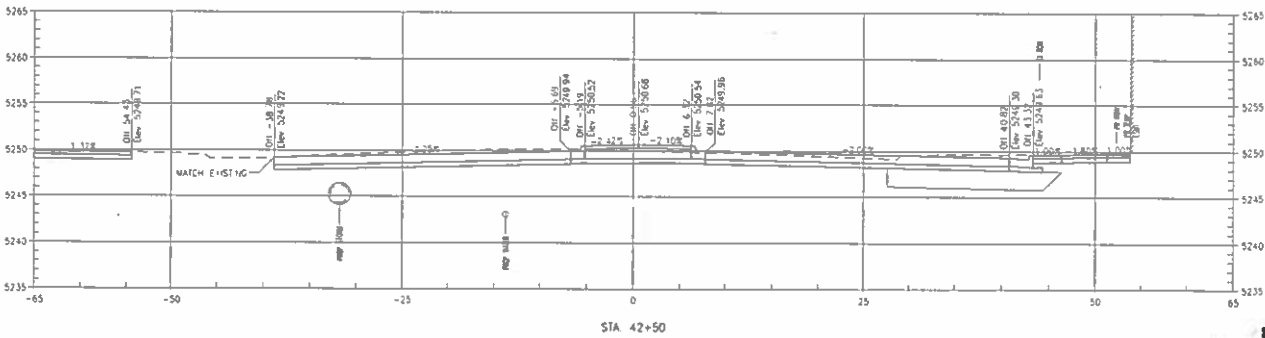
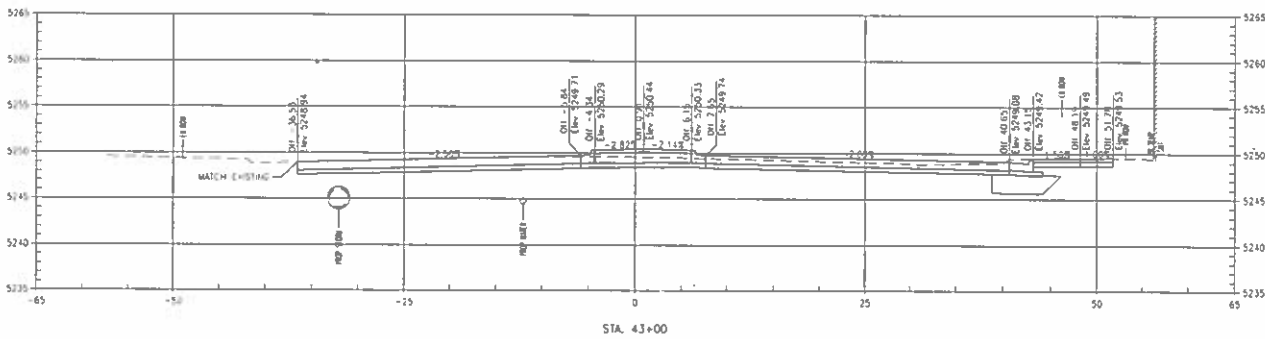


TSI/OURAS HOLDENESS

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Date	Comments	By										

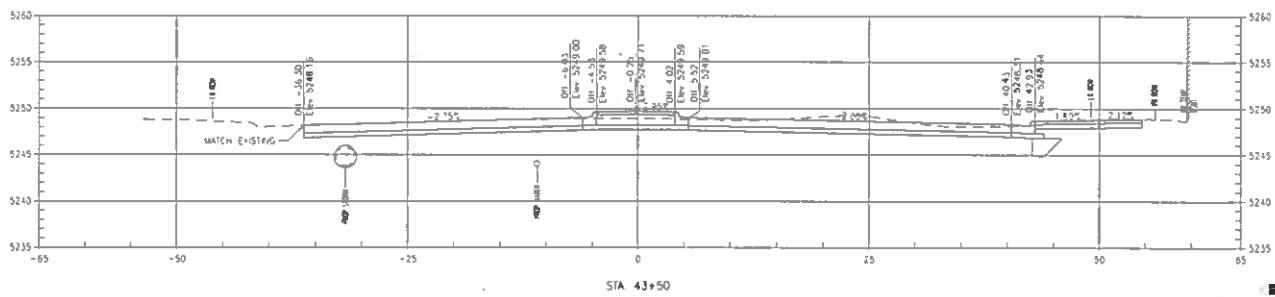
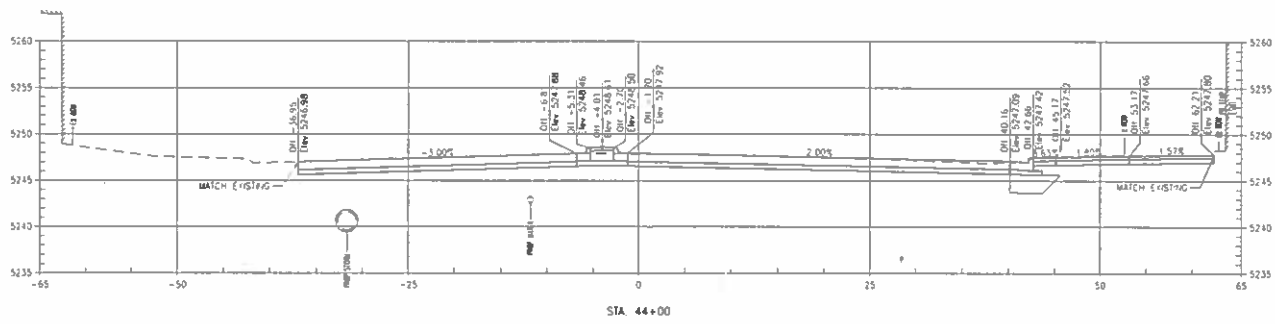


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TSOURAKAS HOLDINGS

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 Date: 1/10/18
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Last Modification Date: 1/10/18
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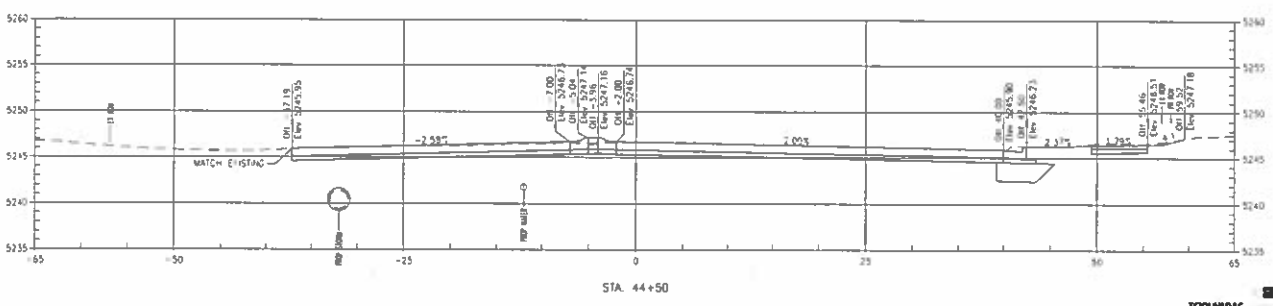
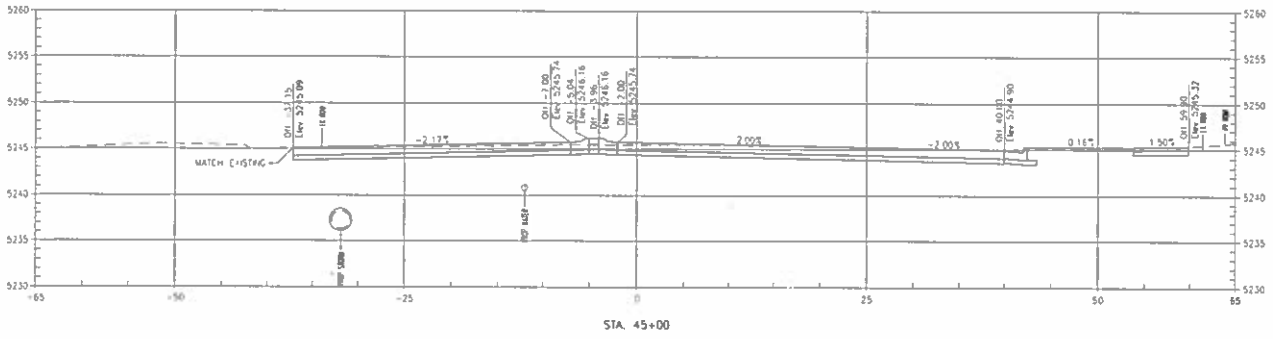
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As Constructed
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 Permitted
 Void

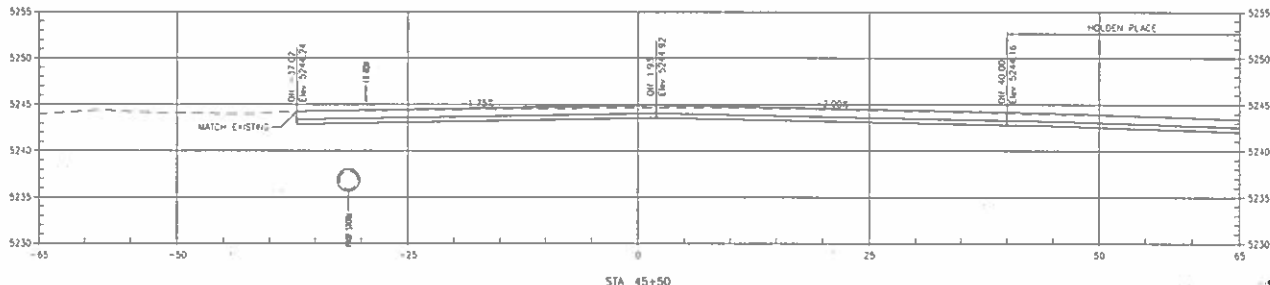
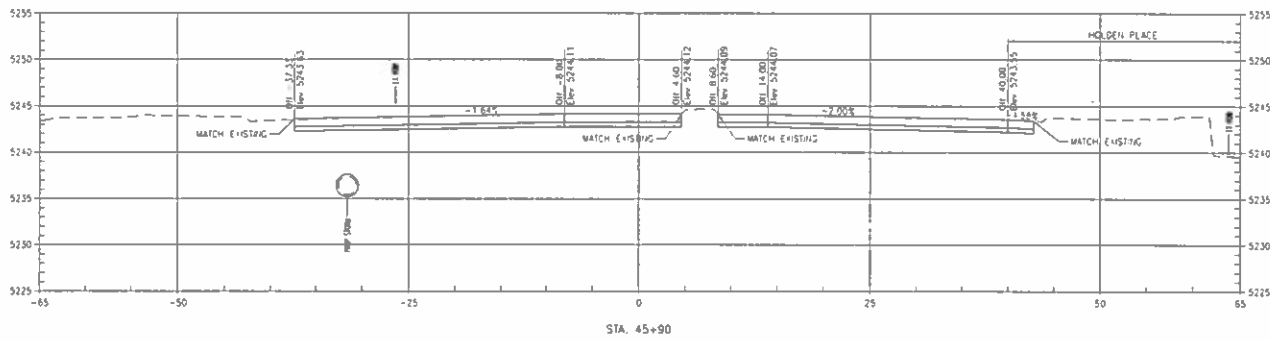
FEDERAL BLVD. RECON. - 5TH AVE. TO HOWARD PLACE
 STA 43+50 TO STA 44+00
 Designer: *50 Structure
 Detacher: *JG Numbers
 Sheet Subject: *SC: Subset Sheets 31 of 33

TSIOLIVARAS HOLDENNESS
 CONSULTING ENGINEERS
 Project No./Code: NHP-2873-172 SA 19957
 2011-PPOJMSIP-000038
 Sheet Number: 1031



List Modification Date Drawing File Name: 110108-FEDRAL_VSEL_FINAL.dwg Horizontal Scale: 1"=10' Vertical Scale: As Noted	Sheet Revisions Date Comments In/Out	City and County of Denver Department of Public Works Engineering Division 201 W. Colfax, Dept 308 Denver, CO 80202	Colorado Department of Transportation 1000 North Downing Street Denver, CO 80202 Phone: 303.733.8800 Page: 1 of 1	As Constructed No Revisions Revisions: Void:	FEDERAL BLVD. RECON. - 5TH AVE. TO HOWARD PLACE STA 44+50 TO STA 45+00		Project No./Code SHPP 1673-172 SA 19957 2011-FPD_VSEL-0000161 Sheet Number: 1032
					Designer: rjd Detailer: rjd Sheet Checker: DEC	Structure Numbers Subject Sheets: 32 of 33	

11/10/2016 11:52:11 AM



Last Modification Date: _____ Drawing File Name: 1102158-112378A_VSEC_PRR.dwg Horizontal Scale: 1:10 Vertical Scale: As Noted	Sheet Revisions <table border="1"> <thead> <tr> <th>Date</th> <th>Comments</th> <th>Int</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	Date	Comments	Int				 City and County of Denver Department of Public Works Engineering Division 201 W. Colfax, Suite 300 Denver, CO 80202	 Colorado Department of Transportation 1000 East South Parkway Denver, CO 80202 Phone: 303.733.1000 Fax: 303.733.1000	As Constructed No Revisions Permitted Void	FEDERAL BLVD. RECON - 5TH AVE. TO HOWARD PLACE STA 45+50 TO STA 45+90 Designer: #50 Structure Designer: #JG Numbers Sheet Subset: +SEC Subset Sheets 33 of 33	Project No./Code 11HPP 2873-112 SA 19957 2011-PROJ-WSP-0000364 Sheet Number: 1033
Date	Comments	Int										

11/15/2017
 11/15/2017
 11/15/2017

Sheet Revisions			
No.	Date	Description	By
1	11/20/2011	Issue	SLK
2	12/14/2011	Issue	SLK
3	01/18/2012	Issue	SLK
4	02/21/2012	Issue	SLK

Sheet Revisions			
No.	Date	Description	By



Right of Way Plans	
Title Sheet	Sheet No.
Project Number: NHPP 2873-172	101
Project Location: Federal Boulevard	201-207
7th Avenue to W. Holden Place	401-407
Project Location: Mile	501-507
Project Location: Feet	601-607
Project Location: Feet	701-707
Project Location: Feet	801-807
(48) Total Sheets	



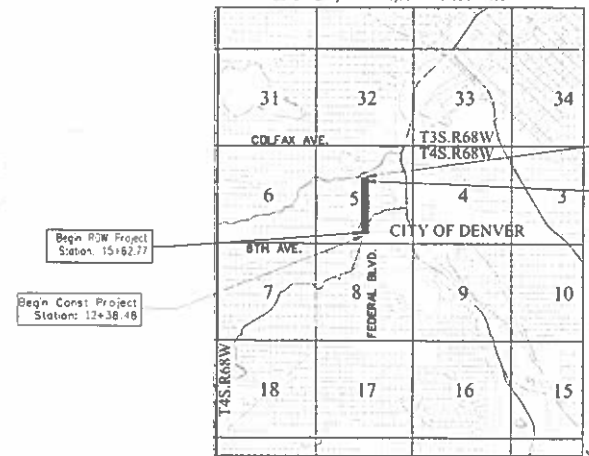
CITY AND COUNTY OF DENVER
STATE OF COLORADO
 RIGHT OF WAY PLANS OF PROPOSED
FEDERAL AID PROJECT NO. NHPP 2873-172
FEDERAL BOULEVARD - (7TH AVENUE TO W. HOLDEN PLACE)
 SECTION 5, TOWNSHIP 4 SOUTH, RANGE 68 WEST OF THE 6TH P.M.
 R.O.W. Length of Project = 0.592 Miles
 Street Length of Project = 0.666 Miles

SHEET NO.	INDEX OF SHEETS
101	1) Title Sheet
201-207	2) Tabulation of Properties
401-407	3) Land Survey Control Diagram
501-507	4) Monumentation Sheet
601-607	5) Plan Sheets
701-707	6) Canals Map
801-807	7) Canals Map
(48) Total Sheets	

Sizes of Original 11" x 17" Drawings
 Plan Sheets 1" = 50'
 General Map 1" = 100'
 Land Survey Control Diagram 1" = 100'

Basis of Bearings: All bearings are based on the line connecting "MOE" to "ALAMEDA" being a GRID bearing of S. 24°42'20" W. as obtained from a global positioning system (GPS) survey based on the Colorado High Accuracy Reference Network (CHARN). Sale Grid bearing is NAD 83 (1983) Colorado State Plane - Central Zone 502. "MOE" (PID AA7132) is a National Geodetic Survey (NGS) first order horizontal mark monumented with a 3.5" diameter brass cap set flush in concrete cap stamped in part "MOE 1994". "ALAMEDA" (PID KK1393) is a National Geodetic Survey (NGS) first order horizontal mark monumented with a 3.5" diameter brass cap set flush in concrete cap stamped in part "ALAMEDA 1977".

- This Right-of-Way Plan is not a boundary survey of the adjoining property and is prepared for the City and County of Denver and the Colorado Department of Transportation purposes only.
- For title information The City and County of Denver relied on Title Commitments prepared by H.C. Peck & Associates Inc.
- This plan set is subject to change and may not be the most current set. It is the user's responsibility to verify with CDD that this set is the most current. The information contained on the attached drawing is not valid unless this copy bears an original signature of the Professional Land Surveyor hereon named.
- All parcel numbering and monument station and offset information is based on the north bound alignment.
- Date of Field Survey: November, 2011 through March, 2012.



NOTICE: According to Colorado law you must commence any legal action based upon any defect in this survey within three years after you first discover such defect. In no event may any action based upon any defect in this survey be commenced more than ten years from the date of the certification shown hereon.

INDEXING STATEMENT
 Deposited This _____ Day of _____, 2017, at _____ M.
 in Book _____ of the County Surveyor's Land Survey/ Right of Way
 Survey at Page(s) _____ Reception No. _____
 County Surveyor / Deputy County Surveyor

SURVEYOR STATEMENT (ROW PLAN)
 I, Geoffrey J. Stephenson, a professional land surveyor licensed in the State of Colorado, do hereby state to the City and County of Denver and the Colorado Department of Transportation that based upon my knowledge, information and belief, research, observation and evaluation of the survey evidence, and the Right-of-Way Plan was prepared under my responsible charge in accordance with applicable standards of practice set forth by the Colorado Department of Transportation Publications. This statement is full and complete, and I am not aware of any other information that would affect the accuracy of this statement.
 Geoffrey J. Stephenson, PLS No. 23527



Note: For a complete listing of symbols used within this set of plans, please refer to the U-100-1 Standard Symbols at the Colorado Department of Transportation M&S Standards Publication dated July 2012.

AD SUBMITTAL - JANUARY 2, 2018

Sheet Revisions			Sheet Revisions		
Date	Description	By	Date	Description	By



R.O.W. TABULATION OF PROPERTIES IN DENVER COUNTY - FEDERAL BLVD.

Parcel No.	Ownership Name and Mailing Address	Site Address	Location S 1/2, Section 5, T. 4 S. R. 69 W., 5TH PM	Area in Square Feet (Acres)					Book and Page No. And/Or Reception No.	Title Commitment No. & Effective Date	Remarks
				Area Of Parcel	Existing RDW	Net Area	Remainder Left	Remainder Right			
RE-1	Sun H Kim 707 Federal Blvd Denver CO 80204	707 Federal Blvd Denver CO 80204	Part of the SE 1/4 SW 1/4 Section 5	12		12			Re 2016048011 4/14/2015	05028C2012 12/12/2014	For the purposes of construction, access and maintenance of a fire hydrant
RE-1	Same as above	Same as above	Same as above	663 (0.015)		663 (0.015)				Same as above	For the purposes of construction of sidewalks and driveways
RW-2	M S M Hi Performance Car Wash a Colorado general partnership 2135 S Kalamath St Denver CO 80223	710 Federal Blvd Denver CO 80204	Lots 8 to 11 Block 1 Bums City View Addition	3,411 (0.078)		3,411 (0.078)		8,449 (0.194)	Re 2016136970 10/08/2018	04590C2011 12/12/2014	RW-2 combined with TE-2 for total acquisition Total combined acquisition Area = 11,860 sft (0.272 ac)
TE-2	Same as above (Combined with RW-2 for Total Acquisition)	Same as above	Same as above	8,449 (0.194)		8,449 (0.194)			Re 2016136973 10/08/2018	Same as above	RW-2 combined with TE-2 for total acquisition
RW-3	Dolezal Family Limited Partnership, R.L.L.P. 5286 W Portland Dr Littleton CO 80126	724 Federal Blvd Denver CO 80204	Lots 5 to 7 Block 1 Bums City View Addition	2,474 (0.057)		2,474 (0.057)		6,899 (0.158)	Re 2016122491 09/09/2016	04591C2011 12/12/2014	
TE-3	Same as above	Same as above	Same as above	6,899 (0.158)		6,899 (0.158)				Same as above	For the purposes of construction of sidewalks and driveways
RW-4	Dolezal Family Limited Partnership, R.L.L.P. 5286 W Portland Dr Littleton CO 80126	730 Federal Blvd Denver CO 80204	Lots 3 and 4 Block 1 Bums City View Addition	1,649 (0.038)		1,649 (0.038)		4,599 (0.106)	Re 2016122492 09/09/2016	04592C2011 12/12/2014	
TE-4	Same as above	Same as above	Same as above	4,599 (0.106)		4,599 (0.106)				Same as above	For the purposes of construction of sidewalks and driveways
TE-5	Leen Properties L.L.C. a Colorado Limited Liability Company 1740 Dayton Street Aurora, CO 80010	745 Federal Blvd Denver CO 80204	Part of the SE 1/4 SW 1/4 Section 5	339 (0.008)		339 (0.008)				05027C2012 12/12/2014	For the purposes of construction of sidewalks and driveways
RW-6	Thuan TP, Nguyen Living Trust 3 dated October 17, 2014 3942 Depeur St Wheat Ridge, CO 80212	2970 W Siuam Pl Denver CO 80204	Lots 1 and 2 Block 1 Bums City View Addition	2,245 (0.053)		2,245 (0.053)		3,912 (0.091)	Re 2016070363 06/10/2016	04993C2011 12/12/2014	
TE-6	Same as above	Same as above	Same as above	3,912 (0.091)		3,912 (0.091)				Same as above	For the purposes of construction of sidewalks and driveways
TE-7	Joseph L. Weaver and Lillian R. Weaver 1059 S DuWay St Lakewood CO 80226	749 Federal Blvd Denver CO 80204	Part of the SE 1/4 SW 1/4 Section 5	376 (0.009)		376 (0.009)				05026C2012 12/12/2014	For the purposes of construction of sidewalks and driveways

COLORADO DEPARTMENT OF TRANSPORTATION



4670 Holly Street
Denver, CO 80216
Phone: (303) 368-6728

Region I Right of Way SLK

Sheet Revisions		Sheet Revisions	
Date	Description	Date	Description
03-20-2018	Revised Section 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100		
03-13-2018	Revised Section 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100		
03-13-2018	Added Section 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100		

Sheet Revisions		Sheet Revisions	
Date	Description	Date	Description



1200 W. South Platte
Denver, CO 80202
303.733.4444

Right of Way Plans	
Tabulation of Properties	
Project Number: 18-PP-2873-172	
Project Location: Federal Boulevard	
7th Avenue to A. Hidden Place	
Sheet No. 1	1 of 1

R.O.W. TABULATION OF PROPERTIES IN DENVER COUNTY - FEDERAL BLVD.

Parcel No.	Ownership Name and Mailing Address	Site Address	Location	Area in Square Feet (Acres)				Book and Page No. And/OR Recaption No.	Title Comment No. & Effective Date	Remarks
				Area Of Parcel	Existing ROW	Net Area	Remainder Left			
PE-8	Joseph Lawrence Weaver and Liban Rosa Weaver 1030 S Dudley St Lakewood CO 80226	755-795 Federal Blvd Denver CO 80204	NE 1/4 SE 14 SW 14 Section 5	10		10		Re 2018006953 05/24/2018	05025C2012 12/12/2014	For the purposes of construction, access and maintenance of a fire hydrant
TE-8	Same as above	Same as above	Same as above	629 (0.014)		629 (0.014)			Same as above	For the purposes of construction of sidewalk and driveways
RW-9 REV	School District No. 1 in the City and County of Denver and State of Colorado a school district organized and existing under and by virtue of the laws of the State of Colorado 8381 Grant St Denver CO 80203	150 Federal Blvd Denver CO 80204	Part of the NE 1/4 Section 5 T 4 S R 68 W	7,188 (0.165)		7,188 (0.165)		Re 2017900768 01/24/2017	04994C2011 12/12/2014	
TE-9 REV	Same as above	Same as above	Same as above	11,428 (0.262)		11,428 (0.262)			Same as above	For the purposes of roadway construction
TE-10	Solomon Astemy 11337 Faxon Street Vancouver CO 80020	765 Federal Blvd Denver CO 80204	SE 1/4 SW 14 Section 5	616 (0.014)		616 (0.014)			05024C2012 12/12/2014	For the purposes of construction of sidewalk and driveways
TE-11	Omar Joudeh 18875 E. Weaver Pl Aurora CO 80016	775 Federal Blvd Denver CO 80204	Lot 50 in 5 Acre Tract P.T. Barnum's Subdivision in the City of Denver	250 (0.006)		250 (0.006)			05023C2012 12/12/2014	For the purposes of construction of sidewalk and driveways
RW-12 REV	Dong SA Kim and Gam la Kim 5690 Sangreer Lane Parker CO 80134	2901 W 8th Ave Denver CO 80204	Parcel 3 of Warranty Deed Reception No. 9300088568, together with the south half of Parcel 4 Addition to South Fairview	1,054 (0.024)		1,054 (0.024)		Re 2016071404 08/01/2016	04967C2011 12/12/2014	
TE-12	Same as above	Same as above	Parcel 3 of Warranty Deed Reception No. 9300088568, together with the south half of Parcel 4 Addition to South Fairview	1,164 (0.027)		1,164 (0.027)				For the purposes of construction of sidewalk and driveways
RW-13 REV	830 Gam la and Dong Kim LLC a Colorado Limited Liability Company 5690 Sangreer Ln Parker CO 80134	2901 W 8th Ave Denver CO 80204	Lot 43 and 44 Block 4 Felix Addition to South Fairview	2,777 (0.064)		2,777 (0.064)		Re 2016073458 08/08/2016	04965C2011 12/12/2014	
TE-13	Same as above	Same as above	Lot 43 and 44 together with 15' wide strip adjoining Lot 43 and 44 Block 4 Felix Addition to South Fairview	4,216 (0.097)		4,216 (0.097)				For the purposes of construction of sidewalk and driveways
RW-14 REV	Same as above	816 & 830 Federal Blvd Denver CO 80204	Lot 31 to 42 Block 4 Felix Addition to South Fairview	13,221 (0.303)		13,221 (0.303)		Re 2016073455 08/08/2016	04968C2011 12/12/2014	
TE-14 REV	Same as above	Same as above	Lot 31 to 41 Block 4 Felix Addition to South Fairview	26,408 (0.608)		26,408 (0.608)			Same as above	For the purposes of construction of sidewalk and driveways and removal of structures

AD SUBMITTAL - JANUARY 2, 2018

COLORADO DEPARTMENT OF TRANSPORTATION
 4670 Holly Street
 Denver, CO 80216
 Phone: (303) 368-8728

Sheet Revisions			Sheet Revisions		
Date	Revised by	Reason	Date	Revised by	Reason



Right of Way Plans
Tabulation of Properties
 Project Number: MDP 2873-112
 Project Location: Federal Boulevard
 2nd Avenue to W Holden Place
 Project Segment: West Side East Side
 11537 - 1212014 1212014 1212014

R.O.W. TABULATION OF PROPERTIES IN DENVER COUNTY - FEDERAL BLVD.

Parcel No.	Ownership Name and Mailing Address	Site Address	Location S 1/2, Section 5, T 4 S., R. 68 W., 6TH PM	Area in Square Feet (Acres)					Book and Page No. and/or Reception No.	File Commitment No. & Effective Date	Remarks
				Area Of Parcel	Existing ROW	Net Area	Remainder Left	Remainder Right			
PE-15	Hope E Garcia aka Hope Esperanza Garcia as Trustee of The Garcia Family Living Trust dated January 30, 2003 2664 S Raleigh Street Denver CO 80219	815 Federal Blvd Denver, CO 80204	Lot 33 Block 35 Villa Park	24		24			RW 2016003301 01/15/2016	05022C2012 12/12/2014	For the purposes of construction, access and maintenance of a fire hydrant.
TE-15	Michael A. Michal 6801 East Asbury Avenue Denver, CO 80224	823 Federal Blvd Denver, CO 80204	Lots 35 to 38 and South 6' of Lot 39 Block 25 Villa Park	302 (0.007)		302 (0.007)				05101C2012 12/12/2014	For the purposes of construction of sidewalk and driveways
TE-17	Dong Si K in and Gam la Kum 5630 S Englewood Ln Parker, CO 80134	2970 W Basberry Pl Denver, CO	Lots 29 and 30 Block 4 Fish's Addition to South Fairview	400 (0.009)		400 (0.009)				04997C2011 12/12/2014	For the purposes of construction of an driveway
TE-16	Tyson Hoy 335 S Ridge Rd Bailey, CO 80421	859 Federal Blvd Denver, CO 80204	Lots 39 and 40 Block 25 Villa Park	337 (0.008)		337 (0.008)				05020C2012 12/12/2012	For the purposes of construction of a sidewalk and driveways
RW-19	Robert A. Reed and Beth J. Reed 888 Federal Blvd Denver, CO 80204	888 Federal Blvd Denver, CO 80204	Lots 35 and 36 Block 17, South Fairview Lots 31 to 35 and vacated lots Block 3, Fish's Addition to South Fairview	8,008 (0.184)		8,008 (0.184)		45,250 (1.039)	Rule and Order Case #2318CV51585 RW 2017011576 01/27/2017	04998C2011 12/12/2014	
TE-18	Same as above	Same as above	Lots 29 through 35, Block 17 South Fairview and the north half of the vacated alley adjoining Lots 29 to 35 together with Lots 29 to 35 Block 3, Fish's Addition to South Fairview and the south half of the vacated alley adjoining Lots 29 to 35	2,467 (0.057)		2,467 (0.057)				Same as above	For the purposes of construction of a sidewalk
TE-20	Felix R. Romero 7743 Newland St Arvada, CO 80003	869 Federal Blvd Denver, CO 80204	Lots 41 and 42 Block 25 Villa Park	100 (0.002)		100 (0.002)				05029C2012 12/12/2014	For the purposes of construction of a sidewalk and driveways
TE-21	877 FEDERAL LLC 1153 Sherman St. #203 Denver, CO 80203	877-881 Federal Blvd Denver, CO 80204	Lots 43 to 46 Block 25 Villa Park	501 (0.012)		501 (0.012)				05030C2012 12/12/2014	For the purposes of construction of a sidewalk and driveways
TE-22	1350-1360 Miles Ltd Liability Co a Colorado limited liability company 610 W 8th Ave Denver, CO 80204	2685-2930 W 9th Ave Denver, CO 80204	Lots 26 to 28 Block 17 South Fairview	560 (0.013)		560 (0.013)				04996C2011 12/12/2014	For the purposes of construction of a driveway

COLORADO DEPARTMENT OF TRANSPORTATION
 4870 Holly Street
 Denver, CO 80216
 Phone (303) 398-6720

Sheet Revisions			Sheet Revisions		
Date	Description	By	Date	Description	By
10/13/2016	Revised Title	CP			
11/15/2017	Added Interchange Photographs	CP			

Sheet Revisions			Sheet Revisions		
Date	Description	By	Date	Description	By



Right of Way Plans	
Tabulation of Properties	
Project Number: RAPP 2013-172	
Project Location: Federal Boulevard	
7th Avenue to W. Holden Place	
Sheet No. 1014	Sheet No. 1014

R.O.W. TABULATION OF PROPERTIES IN DENVER COUNTY - FEDERAL BLVD.											
Parcel No.	Ownership Name and Mailing Address	Site Address	Location S 42, Section 5, T. 4 S., R. 68 W., S 8th Plk	Area in Square Feet (Acres)				Block and Page No And/or Reception No.	Title Commitment No. & Effective Date	Remarks	
				Area of Parcel	Existing ROW	Net Area	Remainder Left				Remainder Right
RW-23	Thran Phan 17698 Oak Street Fountain Valley, CA 92708	969 Federal Blvd Denver, CO 80204	Lots 37 and 38 and south half of vacated 16 wide alley lying north of and adjacent to Lots 37 and 38, except the west 20' of said vacated alley Block 16 South Fairview	3,821 (0.088)		3,821 (0.088)			Re 2018078811 08/15/2018	0501C2011 12/12/2014	
TE-23	Same as above	Same as above	Lots 38 to 42 together with the south half of the vacated 16 wide alley lying north of and adjacent to Lot 38, Block 16 South Fairview	5,589 (0.128)		5,589 (0.128)				Same as above	For the purposes of construction of sidewalk and driveways
TE-24	Wes U. Ayan and Saleema K. Ayan 10926 W. Rockdale Dr Lutchen, CO 80127	915 Federal Blvd Denver, CO 80204	Lots 27 to 32 Block 24 Wila Park	828 (0.019)		828 (0.019)				05019C2011 12/12/2014	For the purposes of construction of sidewalk and driveways
RW-25	Hassan S. Neboue 10019 Longview Dr Lone Tree, CO 80124	950 Federal Blvd Denver, CO 80204	Lots 35 and 36 together with the north half of the vacated alley south of and adjoining said Lots and south half of vacated W. Mulberry Pl. lying north of and adjoining said Lots, except the west 20 feet of said vacated alley and W. Mulberry Pl. Block 16 South Fairview	3,987 (0.091)		3,987 (0.091)		19,730 (0.453)	Re 2018091068 07/11/2018	0500C2011 12/12/2014	Combined with Parcel RW28
TE-25 REV	Hassan S. Neboue 10019 Longview Dr Lone Tree, CO 80124	950 Federal Blvd Denver, CO 80204	Lots 34 and 35 together with the north half of the vacated alley south of and adjoining said Lots and the south half of vacated W. Mulberry Pl. lying north of and adjoining said Lots Block 16 South Fairview	2,734 (0.063)		2,734 (0.063)				0500C2011 12/12/2014	For the purposes of construction of sidewalk and driveways
TE-26	935 FEDERAL LLC a Colorado Limited Liability Company 1420 Monaco Pkwy Denver, CO 80220	935 Federal Blvd Denver, CO 80204	Lots 33, 34 and the south half of Lot 35 Block 24 Wila Park	827 (0.014)		827 (0.014)				05017C2012 12/12/2014	For the purposes of construction of sidewalk and driveways
TE-27	James A. Havens 3635 Upham Ct Wheat Ridge, CO 80033	947-955 Federal Blvd Denver, CO 80204	North half of Lot 35, Lots 36 to 38 and south half of Lot 39 Block 24 Wila Park	501 (0.012)		501 (0.012)				05018C2012 12/12/2014	For the purposes of construction of sidewalk and driveways
RW-28	Hassan S. Neboue 10019 Longview Dr Lone Tree, CO 80124	970 Federal Blvd Denver, CO 80204	Lots 37 and 38 and the north half of vacated W. Mulberry Pl. Block 15 South Fairview Subdivision	2,092 (0.048)		2,092 (0.048)		22,522 (0.517)	Re 2018091068 07/11/2018	0500C2011 12/12/2014	Combined with Parcel RW25

AD SUBMITTAL - JANUARY 2, 2018

Sheet Revisions			Sheet Revisions		
Date	Description	By	Date	Description	By
12-21-2017	Issue Request Diagrams	QSL			



Right of Way Plans	
Tabulation of Properties	
Project Number: MPP 28 3-232	
Project Location: Federal Boulevard	
7th Avenue to W Holden Place	
Sheet No.	2 of 2

R.O.W. TABULATION OF PROPERTIES IN DENVER COUNTY - FEDERAL BLVD.											
Parcel No.	Ownership Name and Mailing Address	Site Address	Location S 1/2, Section 5, T. 4 S., R. 88 W., 6TH PM	Area In Square Feet (Acres)				Block and Page No. And/or Reception No.	Title Commitment No. & Effective Date	Remarks	
				Area Of Parcel	Existing ROW	Net Area	Remainder Left				Remainder Right
TE-28	Hessen S. Nekoue 10019 Longview Dr Lone Tree, CO 80124	970 Federal Blvd Denver, CO 80204	Part of Lot 38 and the north part of vacated W Mulberry Pl. Block 15 South Fairview Subdivision	1 090 (0 025)		1 090 (0 025)			Same as above	For the purposes of construction of sidewalk and driveways	
TE-29	Overseas Vets. Inc. & Colorado Corporation 863 Federal Blvd Denver, CO 80204	863 Federal Blvd Denver, CO 80204	North half of Lot 39, Lot 40 and south half of Lot 41 Block 24 Vista Park	250 (0 006)		250 (0 006)			05016C2012 12/12/2014	For the purposes of construction of sidewalk and driveways	
TE-30	Pan & Me LLC A Colorado Limited Liability Company 358 S. Valero St. Denver, CO 80223	969 875 Federal Blvd Denver, CO 80204	North 1/2 of Lot 41, Lots 42 to 48 Block 24 Vista Park	1 183 (0 027)		1 183 (0 027)			05015C2012 12/12/2014	For the purposes of construction of sidewalk and driveways	
RW-31	Monamas Tehrani Raouf 11868 E Maplewood Ave Englewood, CO 80111	890 Federal Blvd Denver, CO 80204	Part of Lots 33 to 36 and vacated alley adjoining Lots 35 to 38, Block 15 South Fairview	5 196 (0 119)		5 196 (0 119)		27 868 (0 635)	R# 2017108626 06/21/2017	05003C2011 12/12/2014	
TE-31	Same as above	Same as above	Part of Lots 29 to 35 and Lots 38 to 44 and vacated alley adjoining Lots 29 to 35 and Lots 38 to 44, Block 15 South Fairview	27 868 (0 635)		27 868 (0 635)			Same as above	For the purposes of construction of sidewalk and driveways and removal of structures	
RW-32	995 Federal Blvd 800 S. Watson Ln Denver, CO 80123	995 Federal Blvd Denver, CO 80204	Portion of Lot 48 Block 24 Vista Park	97 (0 002)		97 (0 002)	6 153 (0 141)		R# 2016081272 06/22/2016	05014C2012 12/12/2014	
TE-32	Same as above	Same as above	Portion of Lots 47 and 49 Block 24 Vista Park	705 (0 016)		705 (0 016)			Same as above	For the purposes of construction of sidewalk and driveways	
RW-33	Ag an Mahal Inc. & Colorado Corporation aka A.M. Foods 8034 Gray Cir. Arden, CO 80003	1005 Federal Blvd Denver, CO 80204	Location N 1/2, Section 5, T. 4 S., R. 88 W., 6TH PM Portion of Lot 25 Block 9 Vista Park	37 (0 001)		37 (0 001)	5 897 (0 136)		R# 2016013127 02/03/2016	05013C2012 12/12/2014	
TE-33	Same as above	Same as above	Same as above	82 (0 002)		82 (0 002)			Same as above	For the purposes of construction of sidewalk and driveways	
TE-33A	Same as above	Same as above	Portion of Lots 25 and 26 Block 9 Vista Park	880 (0 020)		880 (0 020)			Same as above	For the purposes of construction of sidewalk and driveways	

COLORADO DEPARTMENT OF TRANSPORTATION



4870 Holly Street
Denver, CO 80216
Phone (303) 588-6728

Region 1 Right of Way SLK

Sheet Revisions		Sheet Revisions	
Date	Description	Date	Description

Sheet Revisions		Sheet Revisions	
Date	Description	Date	Description



Right of Way Plans Tabulation of Properties			
Project Number:	HA-P2-2875-172	Sheet No.	1
Project Location:	Federal Boulevard	Scale	As Shown
Project Limits:	7th Avenue to W. Holden Place	Drawn by	SLK

R.O.W. TABULATION OF PROPERTIES IN DENVER COUNTY - FEDERAL BLVD.

Parcel No.	Ownership Name and Mailing Address	Site Address	Location N 10, Section 6, T. 4 S., R. 65 W., 6TH PM	Area In Square Feet (Acres)				Book and Page No. And/or Reception No	Title Commitment No. & Effective Date	Remarks	
				Area Of Parcel	Existing ROW	Net Area	Remainder Left				Remainder Right
RW-34	7 ELEM, Inc A Texas Corporation 1722 Rough Street, #1000 Dallas, TX 75201	1000 Federal Blvd Denver, CO 80204	Lots 37 and 38 and south half of vacated alley Block 14 South Fairview	2,498 (0.057)		2,498 (0.057)			Re 2018135117 09/30/2016	05004C2012 12/12/2014	
TE-34	Same as above	Same as above	Lots 38 to 42 and south half of vacated alley Block 14 South Fairview	2,451 (0.056)		2,451 (0.056)					For the purposes of construction of a sidewalk and driveways
TE-35	LTS Properties Incorporated a Colorado corporation 7008 W. Colfax Ave Denver, CO 80214	1023 Federal Blvd Denver, CO 80204	Lots 28 and 29 Block 9 Villa Park	400 (0.009)		400 (0.009)				01612C2012 12/12/2014	For the purposes of construction of a sidewalk and driveways
RW-36	Denver Public Facilities Leasing Trust 2605A 3033 E. First Ave Denver, CO 80206	1030 Federal Blvd Denver, CO 80204	Lots 35 and 36 and North 1/2 of vacated alley to the south of said Lots and south half of vacated W. 11th Ave to the north of said Lots Block 14, South Fairview	2,829 (0.065)		2,820 (0.065)		29,340 (0.674)	Re 2016060812 05/10/2016	05005C2012 12/12/2014	
TE-36	Same as above	Same as above	Lot 35 and north half of vacated alley to the south of said Lot Block 14 South Fairview	1,932 (0.044)		1,932 (0.044)					For the purposes of construction of a sidewalk and driveways
TE-36A	Same as above	Same as above	South half of vacated W. 11th Ave	2,540 (0.058)		2,540 (0.058)					For the purposes of construction of a sidewalk and driveways
TE-37	Ernesto Torres and Maria G Torres 862 Linley Ct Denver, CO 80204	1041 Federal Blvd Denver, CO 80204	Lots 35 to 38 Block 9 Villa Park	400 (0.009)		400 (0.009)				05033C2012 12/14/2014	For the purposes of construction of a sidewalk and driveways
RW-38	Denver Health and Hospital Authority, a body corporation and political subdivision of the State of Colorado 660 Barnock St Denver, CO 80204	1100 Federal Blvd Denver, CO 80204	Lots 1, 2, 31 and 32 together with the north half of vacated W. 11th Ave lying to the south of said Lots 31 and 32 and the south half of vacated W. 12th Ave lying to the north of said Lots 1 and 2. Block 4 West Fairview	5,038 (0.116)		5,038 (0.116)		141,563 (3.250)	Re 2016052838 04/22/2016	05009C2012 12/12/2014	
PE-38	Same as above	Same as above	Lot 2 Block 4 West Fairview	30		30			Re 2016052839 04/22/2016		For the purposes of construction access and maintenance of a fire hydrant

Sheet Revisions			Sheet Revisions		
Rev.	Description	Date	Rev.	Description	Date
1/24/2017	5/22/17 Federal Blv	05/17			



Right of Way Plans Tabulation of Properties			
Project Number: MPP 2071-173			
Project Location: Federal Boulevard			
7th Avenue to W Holger Place			
Area 1	Area 2	Area 3	Area 4
1000'	500'	500'	500'

R.O.W. TABULATION OF PROPERTIES IN DENVER COUNTY - FEDERAL BLVD.

Parcel No.	Ownership Name and Mailing Address	Site Address	Location N 1/2 Section 5, T. 4 S., R. 68 W., 6TH PM	Area in Square Feet (Acres)				Block and Page No. and/or Reception No.	Title Commitment No. & Effective Date	Remarks
				Area Of Parcel	Existing ROW	Net Area	Remainder Left			
TE-38	Denver Health and Hospital Authority a body corporate and political subdivision of the State of Colorado 860 Bannock St Denver, CO 80204	1100 Federal Blvd Denver, CO 80204	Lots 2 and 28 to 31 together with the south half of vacated W 12th Ave lying to the north of said Lot 2 and the north half of vacated W 11th Ave lying to the south of Lots 27 to 31. Block 4, West Fairview	6 098 (0.140)		6 098 (0.140)			Same as above	For the purposes of construction of sewers and driveways
RW-38	Jacques De Oliveira and Lucie De Oliveira 3828 S Miller Ct Lakewood, CO 80235	1065 Federal Blvd Denver, CO 80204	North half of Lot 40 and Lots 41 and 42 Block 9 Vista Park	219 (0.005)		219 (0.005)	7 585 (0.174)	R# 2016049158 04-18-2016	05011C2012 12-12-2014	
TE-39	Same as above	Same as above	Lots 41 and 42 Block 9 Vista Park	118 (0.003)		118 (0.003)			Same as above	For the purposes of construction of sewers and driveways
RW-40	Denver Public Facilities Leasing Trust 2005A 1200 17th St #500 Denver, CO 80202	1200 Federal Blvd Denver, CO 80204	Lots 1, 2 and 32 including a portion of the vacated alley between said Lots 1 and 32 and the north half of vacated W 12th Ave lying south of said Lot 32 Block 3, West Fairview	1 827 (0.042)		1 827 (0.042)	1 43 584 (3.286)	R# 2016061614 05-10-2016	05010C2012 12-12-2014	
TE-40	Same as above	Same as above	Lots 1, 2, 31 and 32 including a portion of the vacated alley between said Lots 1, 2, 31 and 32 and the north half of vacated W 12th Ave lying south of said Lot 32 Block 3, West Fairview	1 519 (0.035)		1 519 (0.035)			Same as above	For the purposes of construction of sewers and driveways
RW-41	Garold L. Hall and Verna C. Hall	890 Federal Blvd Denver, CO 80204	S 1/2 Section 5, T. 4 S., R. 68 W., 6TH PM Part of the SE 1/4 Section 5	125 (0.003)		125 (0.003)		R# 2016045310 04-14-2016	05003C2011 12-12-2014	
TE-42	The Estate of Sara H. Stank, Deceased	785 Federal Blvd, Approx. Denver, CO 80204	Part of the SE 1/4 Section 5	75 (0.002)		75 (0.002)			05041C2012 12-12-2014	For the purposes of construction of sewers and driveways
PE-43	Security Realty Company 232 W 13th Ave Denver, CO 80204	1251 Federal Blvd Denver, CO 80204	N 1/2 Section 5, T. 4 S., R. 68 W., 6TH PM Part of Lots 41 and 42 Block 8 Vista Park	242 (0.006)		242 (0.006)		R# 2016102266 08-03-2016	05748B2013 12-23-2014	For the purposes of construction, access and maintenance of a storm sewer line

Sheet Revisions		Sheet Revisions	
DATE	DESCRIPTION	DATE	DESCRIPTION
06-11-11	Revised based on 10/12/11 field notes		

Sheet Revisions	
DATE	DESCRIPTION

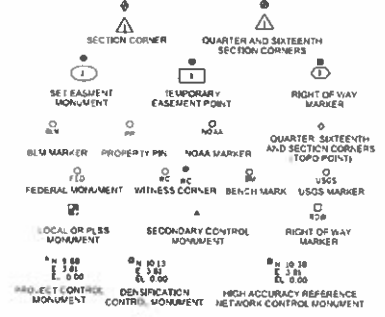


Land Survey Control Diagram	
Title Sheet	
Project Number:	NHPP 2873-172
Project Location:	Federal Boulevard
Project Location:	7th Avenue to W. Holden Place
Sheet No.:	2352
Sheet No.:	2352

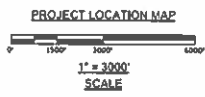
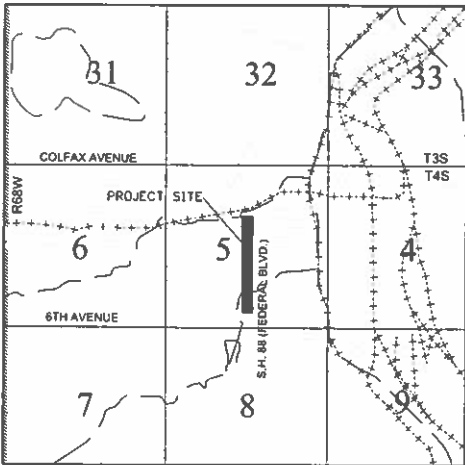
CITY AND COUNTY OF DENVER STATE OF COLORADO

LAND SURVEY CONTROL DIAGRAM
 Federal Boulevard - (7th Avenue to W. Holden Place)
 Section 5
 Township 4 South, Range 68 West
 of the 6th Principal Meridian
 City and County of Denver

SHEET NO.	INDEX OF SHEETS
4-01-4-01	(1) Title Sheet
4-02-4-03	(2) Monument Coordinate Tables
4-04-4-09	(3) Plan Sheet
	(9) Total Sheets



Note: For a complete listing of symbology used within this set of plans, please refer to the M-100-1 Standard Symbols of the Colorado Department of Transportation M&S Standards Publication dated July 2012.



- General Notes:**
- This Land Survey Control Diagram is not a boundary survey of the adjoining property and is prepared for the Colorado Department of Transportation and City and County of Denver purposes only. No determination has been made to determine if the found monuments as shown are in their proper position or if they are at the corners they are intended to monument.
 - Title policy, title commitment, and title research are not part of this survey, therefore easements, rights, and restrictions of record were not researched and are not shown on this diagram. The verification of the physical evidence with relation to easements, rights of ways, property boundaries, and restrictions, as described in the instruments of record, were not included in this control survey.
 - This plan set is subject to change and may not be the most current set. It is the user's responsibility to verify with CCD that this set is the most current. The information contained on the attached drawing is not valid unless this copy bears an original signature of the Professional Land Surveyor hereon named.
 - Refer to the M-629-1 Survey Monuments of the Standard Plans dated July 2012 found in The Colorado Department of Transportation, M & S Standards for typical survey monument descriptions.

BASIS OF BEARINGS: All bearings are based on the line connecting "MOE" to "ALAMEDA" being a GRID bearing of S. 24°42'20" W, as obtained from a global positioning system (GPS) survey based on the Colorado High Accuracy Reference Network (CHARN). Said grid bearing is NAD 83 (1992) Colorado State Plane - Central Zone 502. "MOE" (PID AA7132) is a National Geodetic Survey (NGS) first order horizontal mark monumented with a 3.5" diameter brass cap set flush in concrete, cap stamped in part "MOE 1994"; "ALAMEDA" (PID K11393) is a National Geodetic Survey (NGS) first order horizontal mark monumented with a 3.5" diameter brass cap set flush in concrete, cap stamped in part "ALAMEDA 1977".

BASIS OF ELEVATIONS: Project elevations are based on the following City and County of Denver benchmarks: 137B (PubElev: 5253.18 ft) 138B (PubElev: 5245.99 ft) and 139B (PubElev: 5252.44 ft). Differential levels were run through the listed benchmarks, and through set project control points as shown hereon to establish vertical control within the project limits. All City and County of Denver benchmarks are NAVD88 datum, published elevations updated May, 2001.

COORDINATE DATUM: Project coordinates are modified Colorado State Plane Central Zone NAD 83(92) coordinates. The combined elevation scale factor used to modify the coordinates from state plane to project coordinates is 1.0002528930. The resulting project coordinates are increased by 1,000,000 in the Northing and 3,000,000 in the Easting after converting from state plane coordinates to project coordinates. The CHARN is based on the NAD 83(92) datum. The coordinate system is based on a survey performed by CDOT, Region 1, Survey Unit: Scott L. Kimmisau PLS. The Land Survey Control Diagram used is from Project Number STU CO10-068, dated August 8, 2005 recorded in Book 57 at Pages 251 to 253 under Reception No. L008306 of the City and County of Denver records. Control was verified by The Lund Partnership.

Project Coordinates Northing US Survey Feet = (State Plane Coordinate Northing * 1.0002528930) + 1,000,000
 Project Coordinates Easting US Survey Feet = (State Plane Coordinate Easting * 1.0002528930) + 3,000,000.

Date of Field Survey: November, 2011 through March, 2012.

NOTICE: According to Colorado law you must commence any legal action based upon any defect in this survey within three years after you first discover such defect. In no event may any action based upon any defect in this survey be commenced more than ten years from the date of the certification shown hereon.

SURVEYOR STATEMENT (AND SURVEY CONTROL DIAGRAM)

I, Geoffrey F. Stephenson, a professional land surveyor licensed in the State of Colorado, do hereby state to the City and County of Denver and the Colorado Department of Transportation that this Land Survey Control Diagram was prepared on the field survey, if statements and performed under my responsible charge, and based upon my knowledge, information and belief in accordance with applicable standards of practice defined by the Colorado Department of Transportation publications. This statement is not a warranty or contract, either expressed or implied.

Geoffrey F. Stephenson, PLS No. 23529

COLORADO DEPARTMENT OF TRANSPORTATION

4670 Holly Street
Denver, CO 80216
Phone: (303) 398-6728

Region 1 Right of Way SLK

Sheet Revisions				Sheet Revisions			
Date	Description	By	App'd	Date	Description	By	App'd
12-17-17	Added Notes to Range Points	CS	CS				



LUND

221 S. Birch Street, Suite 100
Denver, CO 80202
Phone: (303) 733-8888

Land Survey Control Diagram Monument Coordinate Tables

Project Number: MHP 2173-172
Project Location: Federal Boulevard
7th Avenue to W. Holden Place

Project Control Point No.	Point Name	Station	Station No.
1033	25-25031	4.072	4.072

GEODEIC COORDINATE SUMMARY TABLE OF CONTROL POINTS (U.S. FEET)

POINT NO.	GEODEIC COORDINATES NAD 83 (1983)				NAD 83 (1983) ZONE 10Z				PROJECT COORDINATES			DESCRIPTION
	LATITUDE	LONGITUDE	ELEVATION (FT)	MAPPING ANGLE	NORTHING (FT)	EASTING (FT)	POINT NO.	NORTHING (FT)	EASTING (FT)	ELEVATION (FT)		
1	39° 41' 41.0000" N	105° 01' 31.0578" W	5392.90	0° 17' 57.8"	109042.71	3133519.36	1	269855.20	6134312.42	5248.17	SET #5 REBAR WITH 2" ALUMINUM CAP STAMPED "L P 1 SURVEY CONTROL POINT 1"	
2	39° 41' 48.1760" N	105° 01' 31.0878" W	5388.37	0° 17' 57.8"	1091199.51	3133516.40	2	2692147.20	6134309.34	5243.55	SET #5 REBAR WITH 2" ALUMINUM CAP STAMPED "L P 1 SURVEY CONTROL POINT 2"	
3	39° 41' 54.5870" N	105° 01' 31.0800" W	5391.07	0° 17' 57.8"	1091797.46	3133514.09	3	2692233.80	6134305.50	5248.31	SET #5 REBAR WITH 2" ALUMINUM CAP STAMPED "L P 1 SURVEY CONTROL POINT 3"	
4	39° 44' 00.9292" N	105° 01' 31.1133" W	5396.49	0° 17' 57.8"	1092499.11	3133506.25	4	2697801.11	6134297.69	5251.79	SET #5 REBAR WITH 2" ALUMINUM CAP STAMPED "L P 1 SURVEY CONTROL POINT 4"	
5	39° 44' 06.0795" N	105° 01' 31.1363" W	5391.73	0° 17' 57.8"	1092860.25	3133501.08	5	2691588.39	6134293.50	5249.03	SET #5 REBAR WITH 2" ALUMINUM CAP STAMPED "L P 1 SURVEY CONTROL POINT 5"	
"C 406"	39° 47' 11.8804" N	105° 02' 21.6700" W	5291.12	0° 17' 29.3"	1088479.51	3129569.21	"C 406"	2697906.78	6130301.26	5246.52	BENCHMARK: DECK SET IN RETAINING WALL STAMPED "C 406 1984"	
"ALAMEDA"	39° 47' 39.7967" N	105° 02' 32.0197" W	5401.63	0° 18' 25.3"	1084131.28	3127246.36	"ALAMEDA"	2684534.11	6127246.32	5457.48	STANDARD DECK SET IN TOP OF CONCRETE MONUMENT STAMPED "ALAMEDA 1977"	
"ACE"	39° 44' 75.7761" N	105° 02' 58.8197" W	5285.44	0° 17' 09.2"	1090305.73	3127209.88	"ACE"	2695189.17	6127902.80	5349.54	HORIZONTAL CONTROL DECK SET IN CONCRETE MONUMENT STAMPED "ACE 1984"	
"T 305"	39° 41' 30.0051" N	105° 02' 28.2053" W	5297.58	0° 18' 16.2"	1075703.04	3143112.42	"T 305"	2674126.81	6144113.34	5263.44	BENCHMARK: DECK SET IN UNDERPASS STAMPED "T 305 1984"	
"FEDERAL"	39° 41' 30.2695" N	105° 02' 24.5028" W	5196.92	0° 18' 01.9"	1089139.49	3143031.02	"FEDERAL"	2684766.71	6134830.59	5282.80	SDOT TYPE 2A MONUMENT STAMPED "A 200029"	
"MCDONNELL"	39° 44' 34.8838" N	105° 02' 03.9651" W	5157.98	0° 18' 52.8"	1095891.61	3140276.24	"MCDONNELL"	2698249.49	6140290.40	5268.01	STAINLESS STEEL ROD IN ELEVATOR STAMPED "MCDONNELL 1991"	

*Denotes Control Points Not Shown On Diagram

ALIQUOT CORNERS TABULATION PROJECT SPECIFIC COORDINATES (U.S. FEET):

POINT NO.	NORTHING (FT)	EASTING (FT)	DESCRIPTION
204	2690003.33	6127108.36	SE CORNER SECTION 5 WITNESS CORNER FOUND 3 1/4" ALUMINUM CAP STAMPED IN PART "W C PLS 13155"
205	2692511.95	6137132.19	E 1/4 CORNER SECTION 5 WITNESS CORNER FOUND 3 1/4" ALUMINUM CAP STAMPED IN PART "W C PLS 13155"
206	2692771.76	6127129.79	E 1/4 CORNER SECTION 5 WITNESS CORNER FOUND 3 1/4" ALUMINUM CAP STAMPED IN PART "W C PLS 13155"
207	2693961.57	6128974.62	N 1/4 CORNER SECTION 5 FOUND 3 1/4" ALUMINUM CAP STAMPED IN PART "PLS 13155"
208	2692620.01	6131665.61	W 1/4 CORNER SECTION 5 FOUND 3 1/4" ALUMINUM CAP STAMPED IN PART "LS 20699" IN RANGE BOX
209	2693939.15	6121674.84	N 1/4 CORNER SECTION 5 FOUND 3 1/4" ALUMINUM CAP STAMPED IN PART "PLS 34986" IN RANGE BOX
210	2689991.44	6134360.77	S 1/4 CORNER SECTION 5 CALCULATED AT PREVIOUS SURVEY POSITION TO BE REPLACED AFTER CONSTRUCTION
211	2689244.06	6137000.67	E 1/4 CORNER SECTION 5 CALCULATED POSITION FROM FOUND WITNESS CORNERS (SEE POINTS 205 AND 206)
213	2690002.96	6137023.36	SE CORNER SECTION 5 CALCULATED POSITION FROM WITNESS CORNER (SEE POINT 204)
849	2695326.30	6136948.03	NE CORNER SECTION 5 FOUND 3 1/4" ALUMINUM CAP STAMPED IN PART "PLS 13155"
850	2693985.05	6134322.61	3/4 WITNESS CORNER, CN 1/16 CORNER SECTION 5, FOUND 3 1/4" ALUMINUM CAP STAMPED IN PART "W C PLS 13155"
874	2693962.05	6134322.92	CN 1/16 CORNER SECTION 5, CALCULATED POSITION FROM WITNESS CORNER (SEE POINT 850)
946	2695321.82	6134309.88	N 1/4 CORNER SECTION 5, FOUND CUT X IN CURB, FOUND ALL ALUMINUM CAP REFERENCE MONUMENTS

ALIQUOT CORNER TABULATION PROJECT SPECIFIC COORDINATES (U.S. FEET):

POINT NO.	NORTHING (FT)	EASTING (FT)	DESCRIPTION
214	2692632.01	6134335.54	C 1/4 CORNER SECTION 5

CITY AND COUNTY OF DENVER RANGE POINT TABULATION PROJECT SPECIFIC COORDINATES (U.S. FEET):

POINT NO.	NORTHING (FT)	EASTING (FT)	DESCRIPTION
27550	2690661.55	6134324.37	SET MAG NAIL IN ASPHALT WITH 1 1/4" WASHER STAMPED PLS 23521
27551	2690971.54	6134331.40	SET MAG NAIL IN ASPHALT WITH 1 1/4" WASHER STAMPED PLS 23521
27552	2691321.64	6134328.06	SET MAG NAIL IN ASPHALT WITH 1 1/4" WASHER STAMPED PLS 23521
27553	2691322.73	6134368.05	SET MAG NAIL IN ASPHALT WITH 1 1/4" WASHER STAMPED PLS 23521
27554	2691678.23	6134364.65	SET MAG NAIL IN ASPHALT WITH 1 1/4" WASHER STAMPED PLS 23521
27555	2691981.82	6134321.75	SET MAG NAIL IN ASPHALT WITH 1 1/4" WASHER STAMPED PLS 23521
27556	2692004.12	6134361.54	SET MAG NAIL IN ASPHALT WITH 1 1/4" WASHER STAMPED PLS 23521
27557	2692330.28	6134358.42	SET MAG NAIL IN ASPHALT WITH 1 1/4" WASHER STAMPED PLS 23521
27558	2692941.90	6134315.44	SET MAG NAIL IN ASPHALT WITH 1 1/4" WASHER STAMPED PLS 23521
27559	2692956.89	6134355.30	SET MAG NAIL IN ASPHALT WITH 1 1/4" WASHER STAMPED PLS 23521
27560	2693301.67	6134309.14	SET MAG NAIL IN ASPHALT WITH 1 1/4" WASHER STAMPED PLS 23521

NOTE: A DILIGENT SEARCH IS REQUIRED FOR EACH OF THESE CALCULATED POSITIONS. IN THE EVENT THAT THE ORIGINAL RANGE POINT MONUMENT IS FOUND, ITS POSITION MAY REPLACE THESE CALCULATED POSITIONS. ALL POINTS SHALL BE VERIFIED AS TO THEIR ACCURACY AND CORRECT POSITION PRIOR TO SETTING A NEW MONUMENT AND BOX.

CITY AND COUNTY OF DENVER RANGE POINT TABULATION PROJECT SPECIFIC COORDINATES (U.S. FEET):

POINT NO.	NORTHING (FT)	EASTING (FT)	DESCRIPTION
1145	2693824.54	6134345.99	FOUND 2" ALUMINUM CAP DOWN 0 9" IN RANGE BOX KLEGGIBLE CAP
1148	2693308.36	6134349.31	FOUND 2 1/2" ALUMINUM CAP DOWN 0 4" IN RANGE BOX KLEGGIBLE CAP
1147	2693638.10	6135274.94	FOUND 2" ALUMINUM CAP DOWN 0 2" IN RANGE BOX MARKED "WESTERN STATES" PLS 8141"
1148	2693803.71	6135275.88	FOUND #6 REBAR NO CAP DOWN 0 8" IN RANGE BOX, NO CAP
1149	2693902.88	6135290.89	FOUND 2" ALUMINUM CAP DOWN 0 5" IN RANGE BOX MARKED "WESTERN STATES" PLS 8141"
1150	2692008.57	6135300.33	FOUND 1" AXLE DOWN 0 8" DOWN IN RANGE BOX NO CAP
1151	2691320.01	6133994.27	FOUND 3 1/4" ALUMINUM IN 0 4" DOWN RANGE BOX MARKED "PLS 29039"
1152	2691979.84	6133987.97	FOUND 2" ALUMINUM CAP DOWN 0 4" IN RANGE BOX MARKED "DENVER CITY RANGE POINT"
3006	2691306.31	6134194.35	FOUND 3 1/4" ALUMINUM CAP IN RANGE BOX DOWN 0 4" MARKED "PLS 29039"
10996	2692998.53	6134351.89	SHOT RANGE BOX LID STUCK IN HEAVY TRAFFIC
10729	2692839.90	6133981.37	FOUND CARSELED "X" IN CONCRETE

AD SUBMITTAL - JANUARY 2, 2018

Sheet Revisions			Sheet Revisions		
Date	Description	By	Date	Description	By

Sheet Revisions			Sheet Revisions		
Date	Description	By	Date	Description	By



Land Survey Control Diagram	
Monument Coordinate Tables	
Project Number:	HP2873-172
Project Location:	Federal Boulevard 7th Avenue to W. Holden Place
Project Start Date:	10/29/11
Project End Date:	10/29/11

FOUND BOUNDARY EVIDENCE COORDINATE TABLE			
POINT NO.	NORTHING (FT)	EASTING (FT)	DESCRIPTION
1101	2680815.21	6134305.15	FOUND CHISELED 'X' IN SIDEWALK
1102	2680824.26	6134363.32	FOUND CHISELED 'X' IN SIDEWALK
1103	2680831.16	6134362.14	FOUND CHISELED 'X' IN SIDEWALK
1104	2680448.48	6134301.47	FOUND CHISELED 'X' IN SIDEWALK
1105	2680498.27	6134360.90	FOUND CHISELED 'X' IN SIDEWALK
1106	2680812.67	6134360.29	FOUND CDD BENCHMARK 137-B PUBLISHED ELEV = 5253.18'
1107	2680601.70	6134362.10	FOUND 1" RED PLASTIC & #5 REBAR ILLUMINABLE CAP
1108	2680802.00	6134367.34	FOUND CHISELED 'X' IN SIDEWALK
1109	2681270.72	6134408.30	FOUND CHISELED 'X' IN SIDEWALK
1110	2681637.54	6134381.05	FOUND CHISELED 'X' IN SIDEWALK
1111	2681686.30	6134360.63	FOUND CHISELED 'X' IN SIDEWALK
1112	2681957.62	6134377.61	FOUND CHISELED 'X' IN SIDEWALK
1113	2681963.37	6134360.63	FOUND CDD BENCHMARK 138-B PUBLISHED ELEV = 5245.50'
1114	2682034.84	6134375.88	FOUND 1/2" BRASS TAG IN WALK STAMPED "CONTROL POINT"
1115	2682157.35	6134375.22	FOUND CHISELED 'X' IN SIDEWALK
1116	2682820.67	6134371.89	FOUND CHISELED 'X' IN SIDEWALK
1117	2682827.67	6134379.48	FOUND CHISELED 'X' IN SIDEWALK
1118	2682886.00	6134380.23	FOUND CHISELED 'X' IN SIDEWALK
1119	2682946.85	6134382.89	FOUND CDD BENCHMARK 138-C PUBLISHED ELEV = 5252.44'
1120	2683049.21	6134289.77	FOUND CHISELED 'X' IN SIDEWALK
1121	2683011.65	6134297.08	FOUND CHISELED 'X' IN SIDEWALK
1122	2682736.65	6134269.77	FOUND CHISELED 'X' IN SIDEWALK
1123	2682711.62	6134300.63	FOUND CHISELED 'X' IN SIDEWALK
1124	2682326.61	6134303.63	FOUND CHISELED 'X' IN SIDEWALK
1125	2682201.28	6134304.41	FOUND CHISELED 'X' IN SIDEWALK
1126	2682151.40	6134305.33	FOUND CHISELED 'X' IN SIDEWALK
1127	2681841.73	6134306.44	FOUND 1" BRASS TAG ILLUMINABLE & CHISELED 'X' IN WALK
1128	2681891.71	6134308.87	FOUND CHISELED 'X' IN SIDEWALK
1129	2681791.53	6134308.75	FOUND CHISELED 'X' IN SIDEWALK
1130	2681691.24	6134309.80	FOUND CHISELED 'X' IN SIDEWALK
1131	2681691.31	6134309.79	FOUND CHISELED 'X' IN SIDEWALK
1132	2681691.34	6134309.66	FOUND CHISELED 'X' IN SIDEWALK
1133	2681974.85	6134326.58	FOUND CHISELED 'X' IN SIDEWALK
1134	2682630.07	6134364.89	FOUND CHISELED 'X' IN SIDEWALK
1135	2682079.44	6134355.21	FOUND CHISELED 'X' IN SIDEWALK
1136	2681344.72	6134838.14	FOUND 1" BRASS TAG IN WALK STAMPED "RECROSS 24311"
1137	2681349.83	6134838.04	FOUND 2" ALUMINUM CAP FLUSH IN GROUND STAMPED "BURDICK PLS 37801"
1138	2681349.29	6134838.03	FOUND 1 1/4" YELLOW PLASTIC CAP FLUSH STAMPED "BURDICK PLS 9010"
1139	2681330.18	6134582.99	FOUND 1" BRASS TAG IN WALK "RECROSS 24311"
1140	2681973.17	6134562.15	FOUND CHISELED 'X' IN SIDEWALK
1141	2682017.05	6134531.58	FOUND CHISELED 'X' IN SIDEWALK
1142	2682017.15	6134531.51	FOUND CHISELED 'X' IN SIDEWALK
1143	2683588.07	6134871.54	FOUND 1" YELLOW PLASTIC CAP FLUSH STAMPED "M/SHE LS7777"
1144	268353.75	6135065.01	FOUND CHISELED 'X' IN SIDEWALK

FOUND BOUNDARY EVIDENCE COORDINATE TABLE			
POINT NO.	NORTHING (FT)	EASTING (FT)	DESCRIPTION
1150	2681540.00	6134029.45	FOUND CHISELED 'X' IN SIDEWALK
1151	2681460.02	6134029.76	FOUND MAG NAIL IN TOP OF CURB
1152	2681530.60	6133685.27	FOUND CHISELED 'X' IN SIDEWALK
1153	2681740.12	6134021.35	FOUND CHISELED 'X' IN SIDEWALK
1154	2681738.96	6133684.23	FOUND CHISELED 'X' IN SIDEWALK
1155	2681700.00	6133683.70	FOUND CHISELED 'X' IN SIDEWALK
1156	2681800.63	6133682.54	FOUND CHISELED 'X' IN SIDEWALK
1157	2682049.85	6134021.33	FOUND CHISELED 'X' IN SIDEWALK
1158	2682089.87	6134020.83	FOUND CHISELED 'X' IN SIDEWALK
1159	2682150.00	6134020.37	FOUND CHISELED 'X' IN SIDEWALK
1160	2682200.00	6134020.00	FOUND CHISELED 'X' IN SIDEWALK
1161	2682100.00	6133689.63	FOUND CHISELED 'X' IN SIDEWALK
1162	2682250.07	6133689.08	FOUND CHISELED 'X' IN SIDEWALK
1163	2682287.84	6134020.13	FOUND CHISELED 'X' IN SIDEWALK
1164	2682289.92	6133688.60	FOUND CHISELED 'X' IN SIDEWALK
1165	2682349.97	6133688.28	FOUND CHISELED 'X' IN SIDEWALK
1166	2682400.10	6134018.46	FOUND CHISELED 'X' IN SIDEWALK
1167	2682450.12	6134017.74	FOUND CHISELED 'X' IN SIDEWALK
1168	2682499.67	6133688.74	FOUND CHISELED 'X' IN SIDEWALK
1169	2682550.00	6134018.63	FOUND CHISELED 'X' IN SIDEWALK
1170	2682549.80	6133688.32	FOUND CHISELED 'X' IN SIDEWALK
1171	2682310.02	6133679.95	FOUND CHISELED 'X' IN SIDEWALK
1172	2682187.80	6134011.57	FOUND CHISELED 'X' IN SIDEWALK
1173	2682135.14	6134011.23	FOUND CHISELED 'X' IN SIDEWALK
1174	2682085.09	6134011.59	FOUND CHISELED 'X' IN SIDEWALK
1175	2682035.05	6134012.11	FOUND CHISELED 'X' IN SIDEWALK
1176	2682085.00	6133687.09	FOUND CHISELED 'X' IN SIDEWALK
1177	2682085.10	6134012.54	FOUND CHISELED 'X' IN SIDEWALK
1178	2682910.07	6134013.12	FOUND CHISELED 'X' IN SIDEWALK
1179	2682890.19	6134013.78	FOUND CHISELED 'X' IN SIDEWALK
1180	2682780.20	6134013.60	FOUND CHISELED 'X' IN SIDEWALK
1181	2682760.08	6133684.33	FOUND CHISELED 'X' IN SIDEWALK
1182	2682710.00	6133684.81	FOUND CHISELED 'X' IN SIDEWALK
1183	2682710.17	6134015.00	FOUND CHISELED 'X' IN SIDEWALK
1184	2681989.57	6134178.67	FOUND CHISELED 'X' IN SIDEWALK
1185	2682000.84	6134208.55	FOUND CHISELED 'X' IN SIDEWALK
1186	2682711.77	6134300.00	FOUND CHISELED 'X' IN SIDEWALK
1187	2682320.82	6134148.88	FOUND CHISELED 'X' IN SIDEWALK
1188	2681855.73	6134278.39	FOUND CHISELED 'X' IN SIDEWALK
1189	2680981.85	6134401.82	FOUND CHISELED 'X' IN SIDEWALK
1190	2683300.65	6133678.00	FOUND CHISELED 'X' IN SIDEWALK

COLORADO DEPARTMENT OF TRANSPORTATION

4670 Mcby Street
Denver, CO 80218
Phone: (303) 398-6728

Region 1 Right of Way SLK

Sheet Revisions	Sheet Revisions
Date	Description

Sheet Revisions	Sheet Revisions
Date	Description

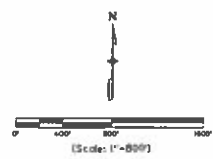
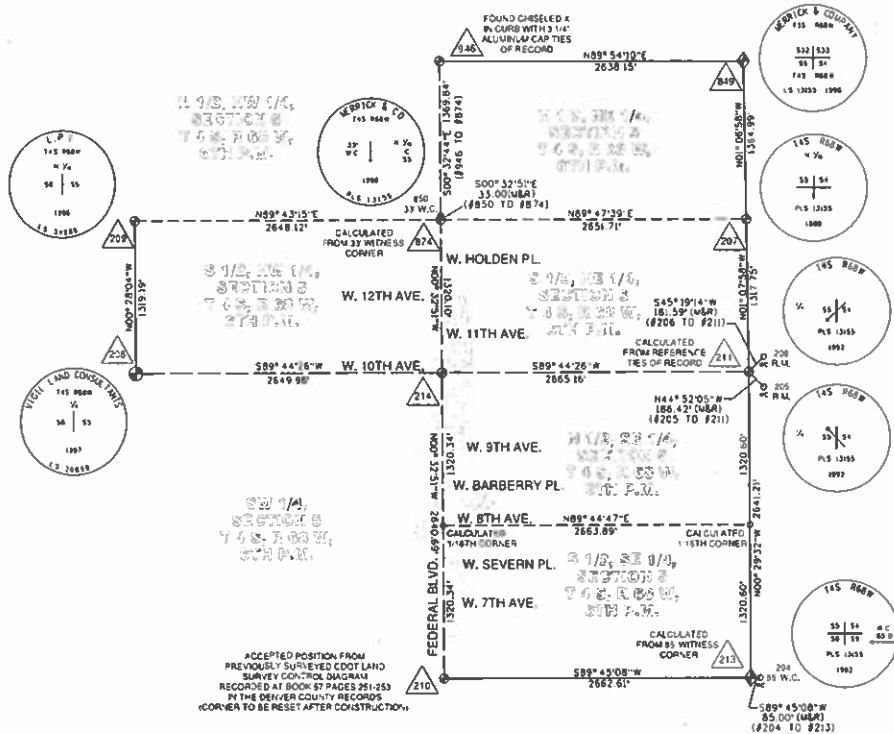


221 1/4 Baswell Avenue, Suite 152
Littleton, CO 80120
P.O. Box 1611 Littleton, CO 80120

Land Survey Control Diagram

Plan Sheet			
Project Number:	NMP 2873-172		
Project Location:	Federal Boulevard		
	7th Avenue to W. Holden Place		
Project Code:	1101	Subject	Sheet No.
	1-01-12-011	400 P-4-01	404

SECTION DIAGRAM



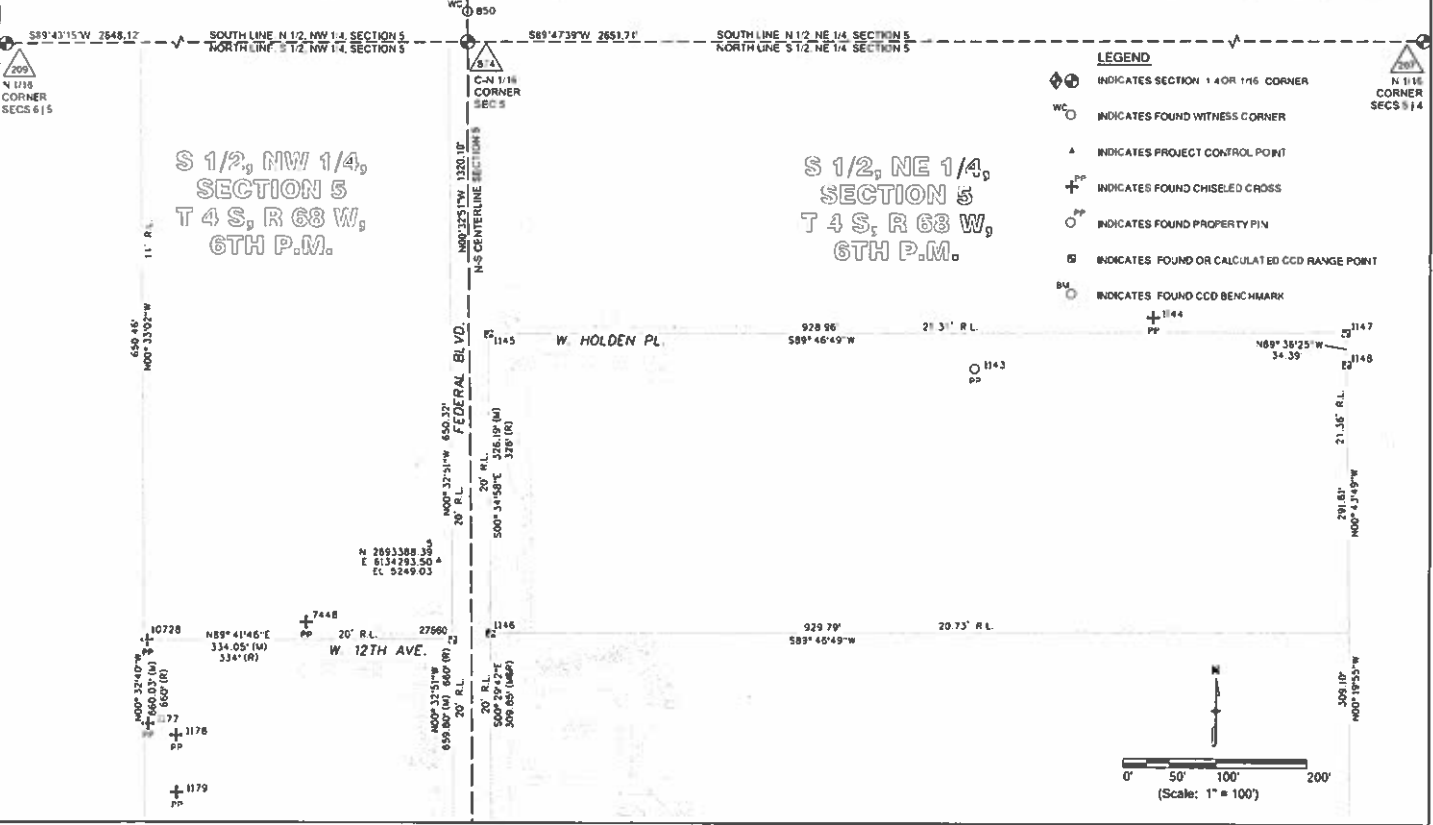
AD SUBMITTAL - JANUARY 2, 2018

COLORADO DEPARTMENT OF TRANSPORTATION
 4670 Holy Street
 Denver, CO 80216
 Phone: (303) 398-6728
 Region 1 Right of Way SLK

Sheet Revisions			Sheet Revisions		
DATE	DESCRIPTION	BY	DATE	DESCRIPTION	BY
01/12/17	REVISION	SLK	01/12/17	REVISION	SLK



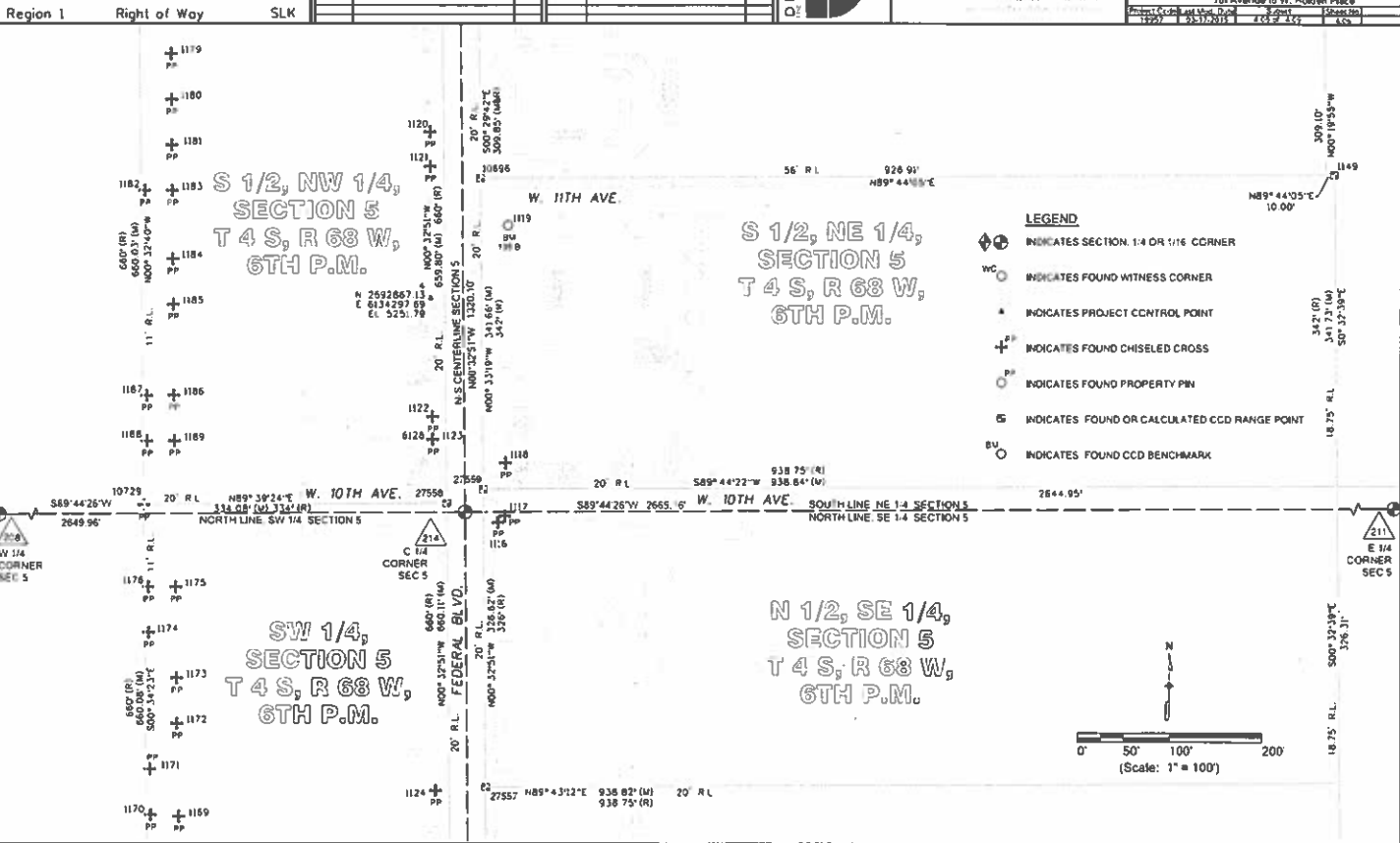
Land Survey Control Diagram	
Plan Sheet	
Project Number:	NHPP 2872-172
Project Location:	Federal Boulevard
Project Code:	7th Avenue to W. Holden Place
11257	1 85372013 1 03/27/2017 11:44



Sheet Revisions			Sheet Revisions		
Date	Description	Drawn	Date	Description	Drawn
5-11-17	Revised Legend	CA			



Land Survey Control Diagram			
Plan Sheet			
Project Number:	NHPP 1873-172		
Project Location:	Federal Boulevard		
Project Control Point:	8	Sheet:	4
1992	05-17-2015	11-05-2015	4-05-2016



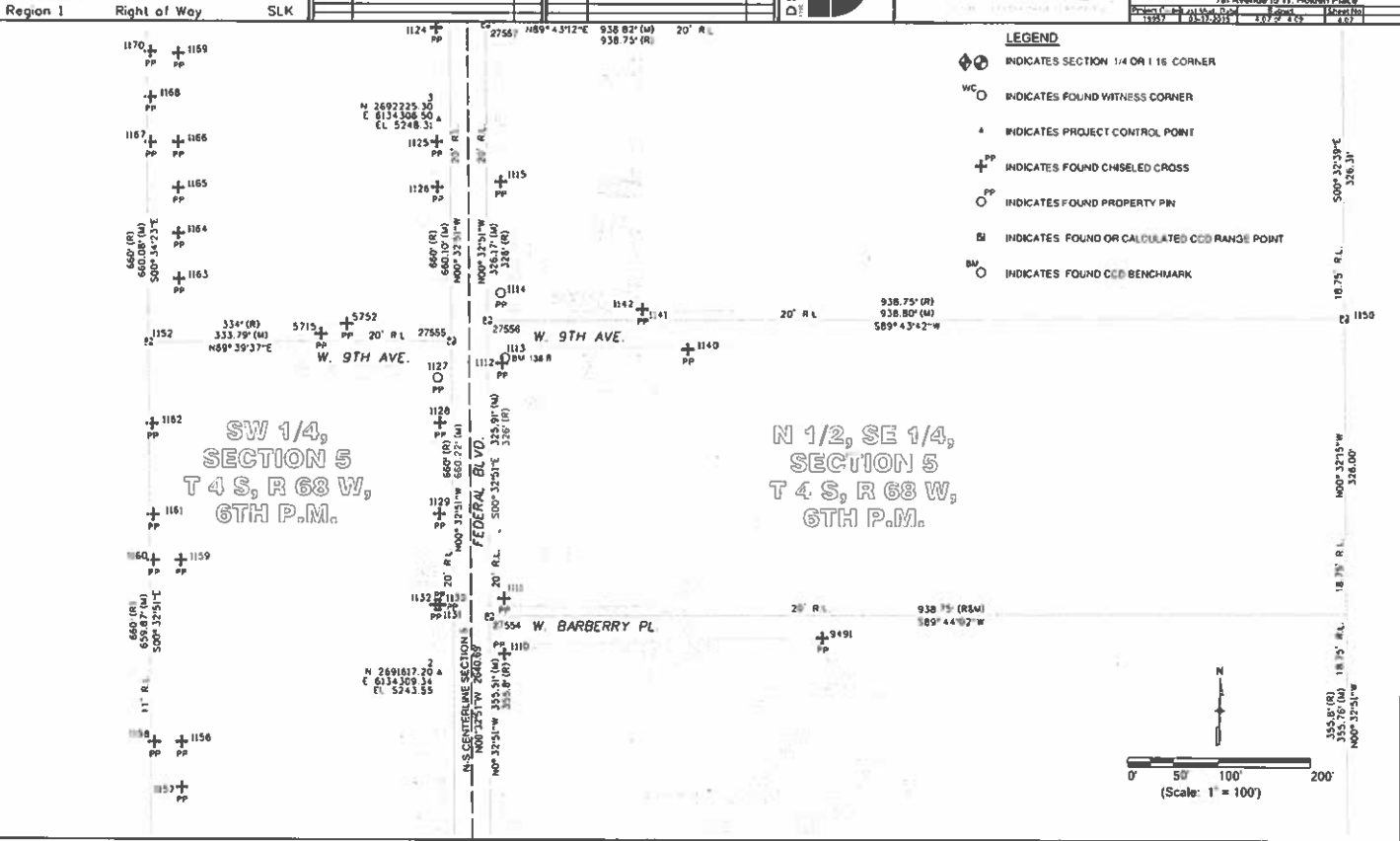
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COLORADO DEPARTMENT OF TRANSPORTATION
 4670 Holly Street
 Denver, CO 80216
 Phone: (303) 358-6728

Sheet Revisions		Sheet Revisions	
No.	Description	No.	Description



Land Survey Control Diagram	
Plan Sheet	
Project Number:	NrPPP 2873-172
Project Location:	Federal Boulevard
Project File:	7th Avenue to W. Holden Place
Sheet No.:	1155



AD SUBMITTAL - JANUARY 2, 2018

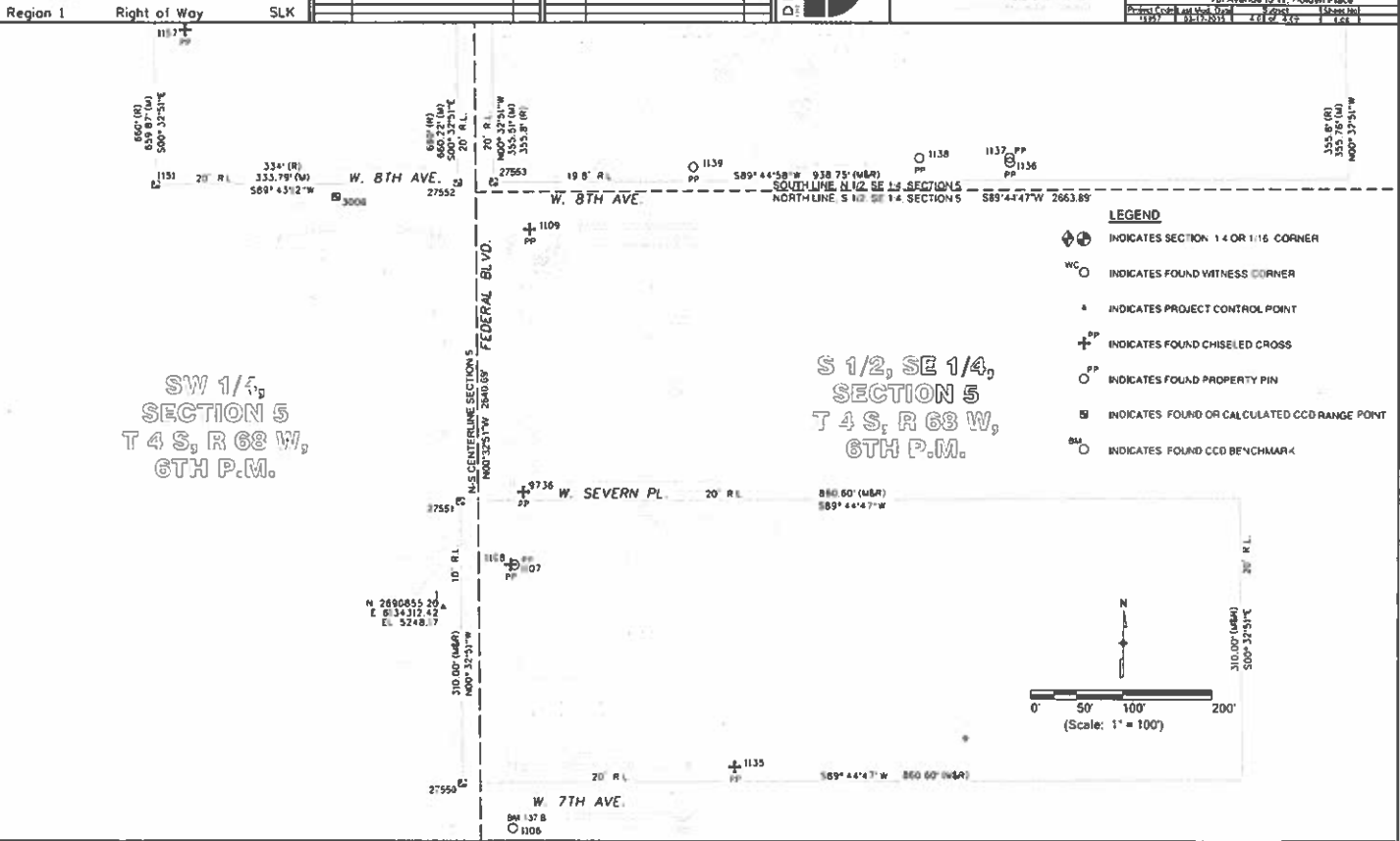
COLORADO DEPARTMENT OF TRANSPORTATION
 4670 Holly Street
 Denver, CO 80216
 Phone: (303) 399-6726

Sheet Revisions	
No.	Description

Sheet Revisions	
No.	Description



Land Survey Control Diagram		
Plan Sheet		
Project Number:	NHPP 2873-172	
Project Location:	Federal Boulevard	
Project Code:	117	117
Sheet No.	1	1



AD SUBMITTAL - JANUARY 2, 2018

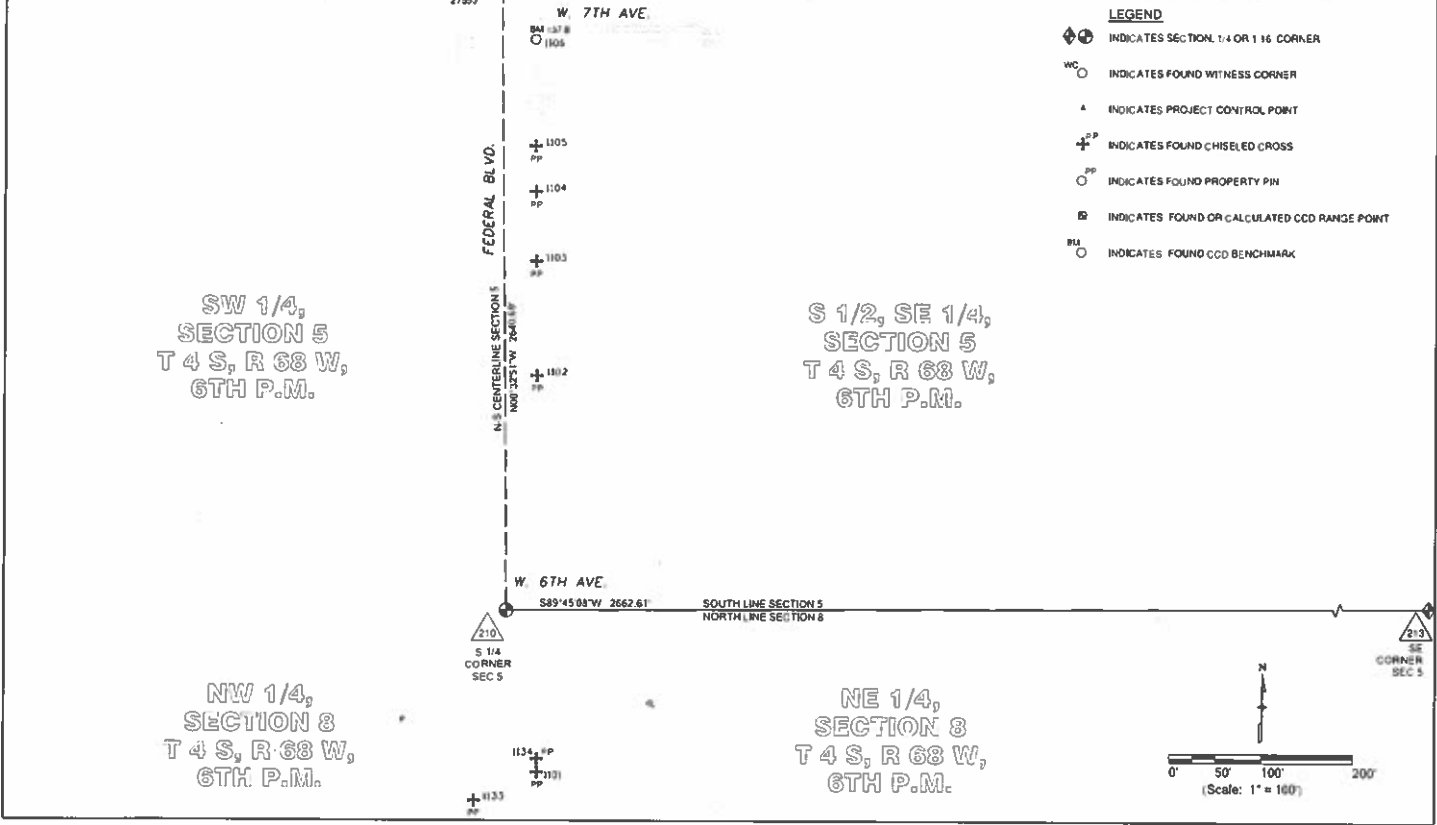
COLORADO DEPARTMENT OF TRANSPORTATION
 4670 Holly Street
 Denver, CO 80216
 Phone: (303) 398-6726
 Region I Right of Way SLK

Sheet Revisions			Sheet Revisions		
NO.	DESCRIPTION	DATE	NO.	DESCRIPTION	DATE
1	Initial	01/17/18			

Sheet Revisions			Sheet Revisions		
NO.	DESCRIPTION	DATE	NO.	DESCRIPTION	DATE



Land Survey Control Diagram	
Plan Sheet	
Project Number	NHPP 2873-172
Project Location	Federal Boulevard
Project Code	7th Avenue to W. Holden Place
Sheet No.	1 of 1



COLORADO DEPARTMENT OF TRANSPORTATION

4670 Holly Street
Denver, CO 80218
Phone: (303) 368-8728

Region 1 Right of Way SLK

Sheet Revisions				Sheet Revisions			
Date	By	Description	Appr.	Date	By	Description	Appr.
11-15-2018	George Pappas	Revised Plan 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100	EPF				
11-15-2018	George Pappas	Revised Plan 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100	EPF				
11-15-2018	George Pappas	Revised Plan 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100	EPF				

LUND

17791 A. Boulevard, Suite 100
Denver, Colorado 80242
303.555.1447 / 303.555.1494

Right of Way Plans Monumentation Sheet			
Project Number: R-01-2873-172	Project Location: Federal Boulevard	7th Avenue to W. Harrison	Sheet No. 100
Project Applicant: West Nile	Sheet No. 100	Sheet No. 100	Sheet No. 100

General Notes:

- All centerline and offset stationing may not represent the centerline as constructed in the field.
- Refer to the M-429-1 Survey Monuments of the Standard Plans dated July, 2012 found in The Colorado Department of Transportation, M & S Standards for survey monument descriptions.
- This plan set is subject to change and may not be the most current set. It is the users responsibility to verify with the City and County of Denver that this set is the most current. The information contained on the attached drawing is not valid unless this copy bears an original signature of the Professional Land Surveyor hereon named.
- Based on the City and County of Denver GIS information portions of this project are designated as "AE" by F.E.M.A. flood zone designations. Flood zone limits are not shown graphically hereon due to the size of the zones.

COORDINATE DATA: Project coordinates are modified Colorado State Plane Central Zone - 502 NAD 1983 coordinate system. The combined ellipsoid scale factor used to modify the coordinates from state plane to project coordinates is 1.00223930. The resulting project coordinates are increased by 1,000,000 feet in the Northing and 3,000,000 feet in the Easting after converting from state plane coordinates to project coordinates. The CHART is based on the NAD 83/92 datum. The coordinate system is based on a survey performed by CDOT Region 1, Survey Unit, Scott L. Kinnear, PLS. The Land Survey Control Diagram used is from Project Number STU 101-0668 dated August 8, 2015 recorded in Block 57 at Page 251 to 253 under Reception No. 1008306 of the City and County of Denver records. All control was verified by the Lund Firm.

Fixed Coordinates: Northing US Survey Feet + (State Plane Coordinate Northing * 1.00223930) + 1,000,000
Project Coordinates Easting US Survey Feet + (State Plane Coordinate Easting * 1.00223930) + 3,000,000

Title Notes (H.C. Plect):

Parcel 6
Note: The Warranty Deed from The M. Goodman Partnership to Truong V. Nguyen and Thuan TN Nguyen dated June 23, 2000 and recorded June 27, 2000 at Reception No. 2000089774 conveys Lots 1 and 2, Block 2 of Burns City View Addition, however, Block 1 is the only block in Burns City View Addition.

Parcel 7
Note: 1) All deeds in the title chain since at least 1944 have erroneously started 352.7 instead of 352.7 feet South of the NE corner of the SE1/4 of 5-4-68. 2) The portion described as "the westerly part conveyed to The City and County of Denver" in Reception No. R-92-0056499 Bera West of the East 171 feet of the section. 3) It appears that the subject property was intended to be conveyed to J. Weaver LLC by the Quitclaim Deed recorded March 12, 2010 at Reception No. 2010028407, however, said instrument lacks a sufficient legal description as well as a signature from Lillian R. Weaver.

Parcel 8
Note: It appears that the subject property was intended to be conveyed to JL Weaver LLC by the Quitclaim Deed recorded March 12, 2010 at Reception No. 2010028408, however, said instrument lacks a sufficient legal description as well as a signature from Lillian Rose Weaver.

Parcel 13
Note: The Special Warranty Deed recorded July 2, 2008 at Reception No. 2008091653 references a vacation instrument recorded December 17, 1900 in Book 1327 at Page 615. This book and page is not a vacation and has nothing to do with the subject property. We've investigated what this could be and found nothing.

Parcel 32
Note: We find of record a deed into 995 Federal Blvd recorded September 5, 2007 at Reception No. 2007139558. On December 6, 2007 there was a Warranty Deed from Gary and Rex Austal to themselves recorded at Reception No. 2007187817. The assessor shows Gary and Rex Austal as owners, however, title remains in 995 Federal Blvd until said entity conveys out.

TABULATION OF R.O.W. MARKERS TO BE SET					
Point No.	Northing	Easting	Description	Station	Offset
300	2690682.37	6134519.17		16+00.52	147.90 R
301	2690777.37	6134518.27		17+04.52	147.90 R
302	2690776.92	6134426.27		17+04.96	55.50 R
303	2690633.87	6134314.63		15+02.98	57.50 L
304	2690923.36	6134424.87		18+51.40	56.50 R
305	2690842.04	6134443.19		18+09.90	74.00 R
306	2690842.36	6134518.69		18+09.53	147.90 R
307	2690932.36	6134518.59	Point of Beginning RW-6	18+79.53	147.90 R
308	2690982.09	6134454.31		19+09.85	85.50 R
309	2690992.40	6134454.21		19+20.16	85.50 R
310	2690992.37	6134446.82		19+20.20	78.11 R
311	2691014.76	6134423.99		19+42.81	55.50 R
312	2691240.98	6134421.83		21+06.04	55.50 R
314	2691270.90	6134451.18	Point of Beginning RW-9 REV and TE-9 REV	21+08.07	85.13 R
315	2691343.56	6134602.86		22+08.49	237.81 R
316	2691411.25	6134602.16		23+42.18	238.10 R
317	2691371.35	6134502.44		24+09.06	137.69 R
318	2691371.18	6134460.30		22+97.83	95.55 R
319	2691411.03	6134419.83		23+38.78	55.50 R
323	2691831.33	6134416.23		25+59.10	55.50 R
324	2691838.50	6134423.19	Point of Beginning RW-14 REV and TE-14 REV	25+06.17	62.57 R
325	2691898.50	6134422.13	Point of Beginning RW-19 REV and TE-19	26+26.17	82.43 R
326	2691705.32	6134415.09		26+33.10	55.50 R
327	2691958.72	6134411.19		28+06.53	55.50 R
328	2691954.38	6134416.67		28+92.11	61.07 R
329	2692024.43	6134423.80		29+52.42	70.55 R

QUANTITY OF MONUMENTS TO BE SET

CAP TYPE	MONUMENT TYPE							
	1	2	3	4	5	6	7	8
REFERENCE								
POB	72							
CDOT								
ADJUT CORNER								
PERMANENT EASEMENT								10
PROJECT POINTS								
MARKER POINTS								
WITNESS POST (REQUIRED)								

NOTICE: According to Colorado law you must commence any legal action based upon any defect in this survey within three years after you first discover such defect. In no event may any action based upon any defect in this survey be commenced more than ten years from the date of the certification shown hereon.

SURVEYOR STATEMENT (R.O.W. MONUMENTS)

I, Geoffrey F. Stephenson, a professional land surveyor licensed in the State of Colorado, do hereby state to the City and County of Denver and the Colorado Department of Transportation that based upon my knowledge, information and belief, adequate research, calculations and evaluation of survey evidence were performed and the Right-of-Way monuments depicted on this Right-of-Way Plan were calculated under my responsible charge in accordance with applicable standards of practice defined by the Colorado Department of Transportation publications. This statement is not a warranty or warranty either expressed or implied.

Geoffrey F. Stephenson, PLS No. 23521

COLORADO REGISTERED SURVEYOR
9/21/17
23521
Geoffrey F. Stephenson
PROFESSIONAL LAND SURVEYOR

AD SUBMITTAL - JANUARY 2, 2018

Sheet Revisions		Sheet Revisions	
No.	Description	No.	Description
1	Revised Sheet 123		
2	Revised Sheet 123 and 341		

Sheet Revisions		Sheet Revisions	
No.	Description	No.	Description



LUND
 10000 Northway, Suite 100
 Denver, Colorado 80231
 Phone: (303) 755-1100

Right of Way Plans			
Monumentation Sheet			
Project Number:	1499	2873	172
Project Location:	Federal Boulevard		
Sheet No.:	1234	1235	1236

Region I Right of Way SLK

TABULATION OF R.O.W. MARKERS TO BE SET					
Point No.	Northing	Easting	Description	Station	Offset
330	2692039 73	6134410 20		29+87.87	55.50 R
334	2692586 31	6134404 96		35+14.48	55.50 R
335	2692612 51	6134430 68		35+40.43	81.45 R
336	2692617 35	6134457 57		35+45.02	108.38 R
337	2692677 18	6134416 50		36+05.21	89.89 R
338	2692688 81	6134408 50		36+16.77	58.00 R
339	2692809 95	6134405 34	Point of Beginning RW-34 and TE-34	37+38.10	58.00 R
340	2692809 93	6134402 84	Point of Beginning RW-36 and TE-36	37+38.11	55.50 R
341	2692931 70	6134401 88		38+59.88	55.50 R
342	2692942 63	6134412 58		38+70.89	66.51 R
343	2692942 63	6134417 51		38+70.87	71.50 R
345	2693002 63	6134417 00		38+30.87	71.50 R
346	2693002 80	6134410 99		38+30.50	65.49 R
347	2693012 70	6134400 90		38+30.88	55.50 R
348	2693190 16	6134399 21		41+18.35	55.50 R
349	2693299 28	6134396 41	Point of Beginning RW-38 and TE-38	42+25.86	55.38 R
350	2693299 27	6134393 41	Point of Beginning RW-40 and TE-40	42+25.97	52.38 R
351	2693354 87	6134390 83		42+80.84	52.22 R
352	2693459 22	6134389 64		43+83.44	58.41 R
353	2693459 25	6134392 64		43+83.22	61.41 R
354	2693491 24	6134392 33		44+14.58	63.90 R
355	2693491 16	6134383 33		44+15.30	54.93 R
356	2693575 15	6134382 53		44+98.65	62.28 R
357	2693598 07	6134403 04		45+17.46	84.75 R
358	2692590 59	6134295 93	Point of Beginning RW-32 and TE-32	35+19.80	53.50 L
359	2692590 55	6134291 86		35+19.80	57.57 L
360	2692598 99	6134285 37		35+26.30	64.00 L
361	2692601 72	6134285 35		35+31.03	63.97 L
362	2692661 49	6134247 17	Point of Beginning RW-33 and TE-33A	35+91.16	101.58 L
363	2692664 69	6134275 32		35+94.11	73.27 L
367	2691203 79	6134309 18		21+32.93	57.50 L
368	2691366 36	6134307 43		22+95.84	57.17 L
369	2691941 71	6134302 13		29+71.20	53.89 L
370	2692001 70	6134301 56		29+30.89	53.50 L
371	2692079 92	6134295 08		36+08.62	53.50 L
372	2693049 20	6134291 55	Point of Beginning RW-38	39+78.43	53.59 L
373	2693049 18	6134288 05		39+78.44	57.00 L
374	2693246 21	6134286 17		41+76.40	56.54 L
375	2693261 53	6134283 93		41+92.03	58.34 L
376	2693321 56	6134288 95		42+62.74	51.03 L
377	2693446 56	6134287 75		43+79.23	44.17 L
378	2693446 46	6134268 98		43+80.70	62.98 L
379	2693446 46	6134269 06		44+81.19	53.46 L
381	2693649 28	6134259 15		45+82.54	53.86 L
382	2693734 18	6134253 19		46+66.42	54.49 L
383	2693757 95	6134246 51		46+89.91	60.43 L

TABULATION OF PERMANENT EASEMENT MARKERS TO BE SET					
Point No.	Northing	Easting	Description	Station	Offset
400	2690996 94	6134314 03		18+26.05	57.50 L
401	2690996 93	6134312 82		18+26.05	58.70 L
402	2690706 93	6134312 73		18+36.05	58.70 L
403	2690706 94	6134313 93	Point of Beginning PE-1	16+36.05	57.50 L
404	2690989 14	6134311 23		19+18.27	57.50 L
405	2690989 13	6134310 23		19+18.27	59.50 L
406	2690999 13	6134310 14		19+28.27	59.50 L
407	2690999 14	6134311 14	Point of Beginning PE-8	19+28.27	57.50 L
420	2691544 83	6134305 82	Point of Beginning PE-15	24+74.32	56.13 L
421	2691544 83	6134303 50		24+74.32	58.56 L
422	2691554 78	6134303 40		24+84.32	58.50 L
423	2691554 83	6134305 83		24+84.32	58.07 L
424	2693235 73	6134398 47	Point of Beginning PE-38	41+63.24	55.48 R
425	2693235 79	6134401 47		41+63.24	58.48 R
426	2693225 79	6134401 68		41+53.40	58.49 R
427	2693225 73	6134398 68		41+53.36	55.49 R
428	2693126 87	6134253 89	Point of Beginning PE-43	46+59.18	54.09 L
429	2693146 05	6134234 79		46+78.62	72.84 L

TABULATION OF TEMPORARY EASEMENT POINTS TO BE STAKED					
Point No.	Northing	Easting	Description	Station	Offset
501	2690633 85	6134311 83		15+82.99	80.50 L
502	2690858 84	6134309 48		17+87.99	60.50 L
503	2690858 86	6134312 48	Point of Beginning TE-1 and TE-5	17+87.98	57.50 L
504	2690858 81	6134302 48		17+88.02	87.50 L
505	2690876 61	6134302 31		18+05.83	87.50 L
506	2690876 63	6134307 31		18+05.80	62.50 L
507	2690933 63	6134306 78		18+82.80	62.50 L
508	2690933 61	6134301 78		18+82.83	87.50 L
509	2690958 80	6134301 52		18+88.03	87.50 L
510	2690958 85	6134311 52	Point of Beginning TE-7 and TE-8	18+87.98	57.50 L
511	2690999 04	6134301 14		19+28.27	87.50 L
512	2690999 09	6134308 14		19+28.27	62.50 L
513	2691048 33	6134305 69		19+75.50	62.50 L
514	2691108 13	6134305 10		20+37.30	62.50 L
515	2691108 10	6134300 18		20+37.30	67.50 L
516	2691138 80	6134299 80		20+98.03	67.50 L
517	2691153 80	6134299 66		20+83.13	87.50 L
518	2691178 90	6134299 42		21+08.13	87.50 L
519	2691178 95	6134309 42		21+08.08	57.50 L
520	2690962 21	6134481 45		19+09.71	112.64 R
521	2691252 61	6134481 72		21+80.29	95.50 R
522	2691591 29	6134305 48		25+20.85	55.86 L
523	2691591 28	6134302 48		25+20.86	58.86 L
524	2691691 94	6134301 52		28+21.48	58.27 L
525	2691691 96	6134304 52	Point of Beginning TE-16 and TE-18	26+21.45	55.27 L
526	2691691 92	6134294 52		26+21.56	65.27 L
527	2691709 88	6134294 35		26+39.52	65.16 L
528	2691709 90	6134299 35		26+39.48	60.16 L

Sheet Revisions			Sheet Revisions		
Date	Description	By	Date	Description	By



Right of Way Plans			
Monumentation Sheet			
Project Number:	49	233117	
Project Location:	Federal Boulevard		
	7th Avenue to B		

TABULATION OF TEMPORARY EASEMENT POINTS TO BE STAKED					
Point No.	Northing	Easting	Description	Station	Offset
529	2691741.37	6134299.05	Point of Beginning TE-20 and TE-21	26+10.94	59.98 L
530	2691741.39	6134304.05		26+10.88	54.98 L
531	2691741.39	6134302.05		26+70.91	56.98 L
532	2691791.49	6134301.57		27-21.01	56.68 L
533	2691791.50	6134303.57		27+20.99	54.68 L
534	2691791.48	6134298.57		27+21.05	59.68 L
535	2691891.64	6134297.61		28-21.21	59.10 L
536	2691891.67	6134302.61		28+21.18	54.10 L
537	2691831.02	6134535.11		25+58.96	174.36 R
538	2691831.25	6134585.11		25+58.42	224.36 R
539	2691702.25	6134584.43	26+27.42	224.77 R	
540	2691701.50	6134423.34	26+29.18	63.69 R	
541	2691704.64	6134420.10	26+32.35	80.90 R	
542	2691964.32	6134417.10	28+92.04	61.50 R	
543	2691964.55	6134466.60	28+81.50	111.00 R	
544	2691959.82	6134466.60	28+86.58	111.00 R	
545	2691960.17	6134581.97	28+85.35	228.28 R	
546	2691965.17	6134581.97	28+90.35	228.31 R	
547	2691955.17	6134582.02	28+80.35	228.25 R	
548	2691955.43	6134638.02	28+79.75	282.25 R	
549	2691965.43	6134637.92	28+89.75	282.31 R	
550	2692051.61	6134301.08	29+80.80	53.50 L	
551	2692051.58	6134298.08	29+80.82	58.50 L	
552	2692112.99	6134295.50	30+42.12	58.50 L	
553	2692112.85	6134291.50	30+42.12	62.50 L	
554	2692132.85	6134291.30	30+42.12	62.50 L	
555	2692132.89	6134295.30	30+42.12	58.50 L	
556	2692201.22	6134294.65	31+30.46	58.50 L	

TABULATION OF TEMPORARY EASEMENT POINTS TO BE STAKED					
Point No.	Northing	Easting	Description	Station	Offset
557	2692201.24	6134299.65	Point of Beginning TE-24 and TE-28	31+30.43	53.50 L
558	2692201.20	6134286.65		31+30.49	63.50 L
559	2692261.85	6134289.65		31+93.14	63.50 L
560	2692263.88	6134299.65	Point of Beginning TE-27 and TE-29	31+93.06	53.50 L
561	2692263.87	6134294.65		31+93.12	58.50 L
562	2692384.08	6134293.10		32+93.33	58.50 L
563	2692384.11	6134298.10		32+93.31	53.50 L
564	2692414.12	6134292.62		33+43.37	58.50 L
565	2692414.14	6134297.62		33+43.36	53.50 L
566	2692456.73	6134292.21		33+85.98	58.50 L
567	2692456.71	6134287.21		33+86.01	63.50 L
568	2692551.69	6134286.30		34+80.99	63.50 L
569	2692551.74	6134296.30		34+80.95	53.50 L
570	2692592.22	6134285.91	Point of Beginning TE-30	35+21.53	63.50 L
571	2692596.19	6134281.92		35+25.53	67.48 L
572	2692596.11	6134264.91		35+25.62	84.48 L
573	2692599.61	6134264.90		35+28.12	84.48 L
574	2692599.21	6134110.93		35+28.62	178.41 L
575	2692024.93	6134531.35		29+51.91	178.50 R
576	2692059.93	6134531.01		29+86.91	178.50 R
577	2692059.42	6134425.01		29+87.42	70.50 R
578	2692157.57	6134424.07		30+85.58	70.50 R
579	2691909.74	6134416.94		28+37.47	60.50 R
580	2692157.80	6134431.07	30+85.54	77.50 R	
581	2692320.57	6134417.52	32+48.03	65.50 R	
582	2691809.76	6134417.94	28+37.47	61.50 R	
583	2692429.95	6134416.47	33+58.02	65.50 R	
584	2691743.78	6134419.53	28+68.47	60.50 R	

Sheet Revisions				Sheet Revisions			
No.	Description	Date	By	No.	Description	Date	By
133-1014	Sheet From 81344000-81344100	05/14/14	U.S.				
133-1014	Sheet From 81344100-81344200	05/14/14	U.S.				
133-1014	Sheet From 81344200-81344300	05/14/14	U.S.				
133-1014	Sheet From 81344300-81344400	05/14/14	U.S.				



LUND
1221 W. Bowler Ave. Suite 102
Littleton, Colorado 80120
303.948.7100

Right of Way Plans	
Monumentation Sheet	
Project Number: MPP 2873-172	
Project Location: Federal Boulevard	
7th Avenue to W. Holton Place	
Sheet No. 102	Sheet No. 103

TABULATION OF TEMPORARY EASEMENT POINTS TO BE STAKED

Point No.	Northing	Easting	Description	Station	Offset
583	2692666 03	6134170 18		35+96.44	178.54 L
586	2692666 13	6134186 68		35+96.38	162.04 L
587	2692661 13	6134186 71		35+91.38	162.04 L
588	2692661 34	6134222 73		35+91.25	126.00 L
589	2692671 34	6134222 68		36+01.25	126.00 L
590	2692671 04	6134271 85		36+01.08	76.81 L
591	2692683 31	6134287 04		36+12.61	61.50 L
592	2692711 70	6134286 77		36+40.99	61.50 L
593	2692711 74	6134294 77		36+40.96	53.50 L
594	2692736 63	6134294 54	Point of Beginning TE-35	36+65.64	53.50 L
595	2692736 59	6134296 54		36+65.68	61.50 L
596	2692786 58	6134286 06		37+15.88	61.50 L
597	2692786 02	6134294 06		37+15.84	53.50 L
598	2692935 16	6134292 64		38+64.38	53.50 L
599	2692935 08	6134264 64		38+64.38	61.50 L
600	2692971 08	6134264 29		39+00.38	61.50 L
601	2692971 13	6134289 29		39+00.38	56.50 L
602	2693011 60	6134288 91		39+40.96	56.50 L
603	2693011 62	6134291 91	Point of Beginning TE-37	39+40.85	53.50 L
604	2693072 22	6134287 83		40+01.48	57.00 L
605	2693072 20	6134284 83		40+01.50	80.00 L
606	2693111 83	6134284 45		40+40.93	80.00 L
607	2693098 83	6134307 00		18+38.00	62.50 L
608	2693098 86	6134312 00		18+37.98	57.50 L
609	2691046 35	6134310 69		19+75.48	57.50 L
610	2691639 02	6134535 03	Point of Beginning TE-17	25+64.96	174.41 R
611	2691639 25	6134565 03		25+64.42	224.40 R
612	2691699 25	6134584 46		26+24.42	224.75 R
613	2692677 56	6134502 94		36+04.79	154.37 R
614	2692687 56	6134502 94		36+14.79	154.37 R
615	2692687 21	6134425 37		36+15.16	78.95 R
616	2692683 32	6134418 98		36+21.35	70.50 R
617	2692810 00	6134417 84		37+38.04	70.50 R
618	2691740 81	6134422 55		26+68.47	63.50 R
619	2692942 83	6134416 57		38+70.87	70.50 R
620	2693003 11	6134476 90		39+30.57	131.40 R
621	2693013 11	6134476 85		39+40.57	131.45 R
622	2693012 82	6134415 05		39+40.88	89.65 R
623	2693016 93	6134410 86		39+45.03	85.50 R

TABULATION OF TEMPORARY EASEMENT POINTS TO BE STAKED

Point No.	Northing	Easting	Description	Station	Offset
624	2693269 32	6134606 42		42+25.51	65.38 R
625	2693308 82	6134606 01		42+34.85	65.35 R
626	2693308 77	6134394 00		42+35.30	53.30 R
627	2693365 74	6134392 91		45+06.17	73.65 R
628	2693190 25	6134609 21		41+18.35	65.50 R
629	2692661 03	6134170 92	Point of Beginning TE-33	35+31.44	179.41 L
630	2692661 03	6134170 91	Point of Beginning TE-39	35+31.44	179.54 L
631	2693111 65	6134287 45		40+40.82	57.00 L
632	2691756 91	6134422 32		26+83.47	63.50 R
633	2691755 78	6134419 32		26+83.47	60.50 R
634	2691138 65	6134399 40	Point of Beginning TE-10 and TE-42	20+67.96	57.50 L
635	2691153 95	6134399 96	Point of Beginning TE-11	20+63.08	57.50 L
636	2691148 30	6134289 73		29+75.53	61.50 L
639	2691148 35	6134399 73		29+75.48	57.50 L
640	2691253 42	6134606 74		21+78.33	280.51 R
641	2691271 75	6134606 68		17+97.88	280.61 R
644	2690852 38	6134517 55		17+79.53	147.50 R
645	2690902 36	6134517 67	Point of Beginning TE-8	18+28.53	147.50 R
646	2691638 95	6134519 93		23+55.91	158.41 R
647	2692428 32	6134468 10		33+88.22	149.29 R
648	2692460 92	6134469 96		34+00.22	149.28 R
649	2692472 82	6134468 85		33+99.82	226.50 R
650	2692473 29	6134577 08		35+44.43	226.50 R
651	2692617 89	6134575 68		35+70.45	198.10 R
652	2692943 22	6134502 17		39+00.45	158.25 R
653	2692972 72	6134502 03		39+00.87	71.50 R
654	2692972 83	6134417 28	Point of Beginning TE-36A	39+30.45	156.40 R
655	2693003 22	6134501 89		17+80.00	66.50 R
656	2690851 89	6134425 56	Point of Beginning RW-3 TE-3, RW-4 and TE-4	18+26.92	56.50 R
657	2690901 87	6134425 07		23+35.54	223.06 R
658	2691410 37	6134587 22		24+16.36	236.54 R
659	2691491 42	6134801 45	Point of Beginning TE-12 and TE-13	24+08.52	223.49 R
660	2691451 35	6134589 45		24+08.52	173.49 R
661	2691483 36	6134588 52		23+13.40	172.50 R
662	2691483 12	6134538 52		23+06.31	156.99 R
663	2691387 45	6134537 44		20+18.29	66.50 R
664	2691380 13	6134521 51		20+10.58	70.50 R
665	2691190 82	6134462 32		20+10.58	70.50 R
666	2691190 38	6134437 32		20+10.47	95.50 R
667	2691082 89	6134438 35		18+20.47	95.50 R
668	2691082 90	6134463 36		18+20.38	112.76 R
669	2690992 80	6134464 21		31+77.54	65.50 R
670	2690992 89	6134481 40		31+77.54	65.50 R
671	2692249 48	6134416 20		31+77.54	65.50 R
672	2692249 50	6134430 20		31+77.54	77.50 R

COLORADO DEPARTMENT OF TRANSPORTATION

4670 Holly Street
Denver, CO 80216
Phone: (303) 368-8728

Region 1 Right of Way SLK

Sheet Revisions

Appr.	Revision	Issued
1/29/2018	Project #28131	01/1

Sheet Revisions

Appr.	Revision	Issued



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12911 W. Bennett Ave. Suite 100
Littleton, Colorado 80120
P: 303.948.1400 F: 303.948.1401

Right of Way Plans
Monumentation Sheet

Project Number: WFP 2873-112
Project Location: Federal Boulevard
7th Avenue to W Holden Place
Project Control: State
Scale: 1" = 30'-0"
Sheet No: 239

XXXX

TABULATION OF INFORMATIONAL ONLY POINTS					
Point No.	Northing	Easting	Description	Station	Offset
700	2690651.84	6134359.17		16+10.14	27.50 R
701	2690686.82	6134384.13		16+15.16	22.50 R
702	2690776.77	6134363.27		17+05.12	22.50 R
703	2690851.72	6134392.55		17+80.06	22.50 R
704	2690901.70	6134362.07		18+30.06	22.50 R
705	2690851.81	6134381.59		18+80.17	22.50 R
706	2690981.85	6134401.31		19+10.12	32.50 R
707	2691243.32	6134398.84		21+66.60	32.50 R
708	2691270.80	6134428.89		21+98.78	62.84 R
709	2691343.50	6134587.86	Point of Beginning RW-12 REV and RW-13 REV	22+68.66	222.87 R
710	2691343.28	6134537.86		22+69.21	172.87 R
711	2691343.21	6134521.86		22+69.39	158.87 R
712	2691342.82	6134387.86		22+70.87	22.88 R
714	2691836.32	6134385.00		25+08.58	24.41 R
715	2691896.32	6134384.46		26+28.58	24.76 R
716	2691964.22	6134381.92		28+92.48	26.32 R
717	2692024.21	6134381.35		29+52.64	26.50 R
718	2692149.40	6134386.15		30+77.82	26.50 R
719	2692149.49	6134400.15		30+77.72	46.50 R
720	2692157.47	6134400.07		30+85.70	46.50 R
721	2692165.49	6134400.00		30+93.72	46.50 R
722	2692165.39	6134389.00		30+93.82	26.50 R
723	2692290.38	6134378.80		32+16.81	26.50 R
724	2692290.48	6134388.80		32+16.72	46.50 R
725	2692320.48	6134398.52		32+48.72	46.50 R
726	2692320.43	6134388.52		32+48.77	36.50 R
727	2692504.22	6134386.76		34+32.57	36.50 R

XXXX

TABULATION OF INFORMATIONAL ONLY POINTS					
Point No.	Northing	Easting	Description	Station	Offset
728	2692504.18	6134376.78		34+32.62	28.50 R
729	2692616.98	6134375.88		35+45.43	28.50 R
730	2692601.78	6134295.82		35+30.99	53.50 L
731	2692661.63	6134271.35		35+91.08	77.40 L
732	2692677.06	6134353.11		36+05.34	44.50 R
733	2692681.68	6134386.06		36+10.01	39.50 R
734	2692801.86	6134386.82		37+30.19	39.50 R
735	2692801.87	6134386.82		37+30.18	41.50 R
736	2692809.87	6134388.84		37+38.18	41.50 R
737	2692972.89	6134387.28		39+01.01	41.50 R
738	2693299.23	6134384.16		42+26.29	43.14 R
740	2693595.98	6134381.33		45+16.50	63.13 R
741	2693111.87	6134290.95		40+46.90	53.50 L
752	2692481.68	6134376.88	Point of Beginning RW-41	34+20.12	26.50 R
758	2692481.72	6134386.88		34+20.07	36.50 R
759	2692430.91	6134387.46		33+58.25	36.50 R
765	2692157.51	6134406.07	Point of Beginning RW-23 TE-23 RW-25 TE-25 REV	30+85.86	56.50 R
766	2692329.52	6134407.52		32+48.68	55.50 R
767	2692430.28	6134406.47	Point of Beginning RW-28 TE-28 RW-31 TE-31	33+58.44	55.50 R

COLORADO DEPARTMENT OF TRANSPORTATION
 4670 Holly Street
 Denver, CO 80216
 Phone (303) 388-8728

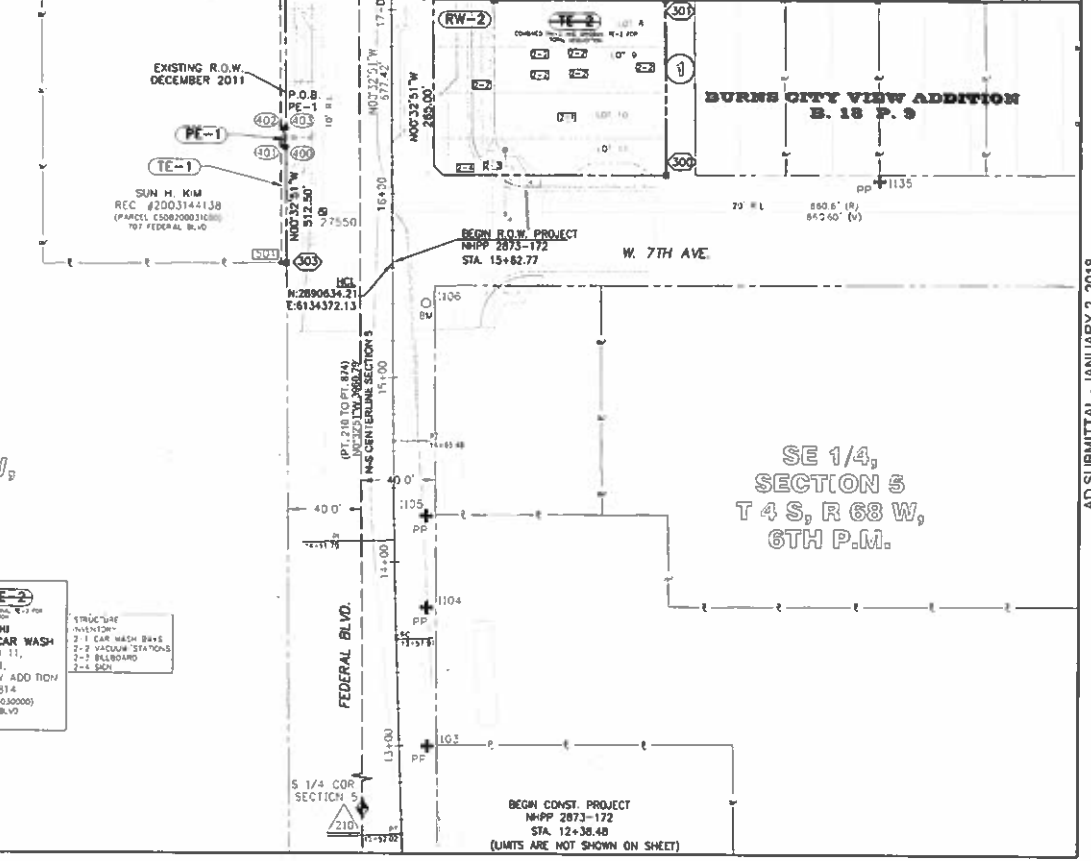
Rev.	Description	Date
1	Issue for construction	12/15/17
2	Issue for construction	12/15/17
3	Issue for construction	12/15/17
4	Issue for construction	12/15/17
5	Issue for construction	12/15/17
6	Issue for construction	12/15/17
7	Issue for construction	12/15/17
8	Issue for construction	12/15/17
9	Issue for construction	12/15/17
10	Issue for construction	12/15/17

Rev.	Description	Date
1	Issue for construction	12/15/17
2	Issue for construction	12/15/17
3	Issue for construction	12/15/17
4	Issue for construction	12/15/17
5	Issue for construction	12/15/17
6	Issue for construction	12/15/17
7	Issue for construction	12/15/17
8	Issue for construction	12/15/17
9	Issue for construction	12/15/17
10	Issue for construction	12/15/17

LUND
 1724 W. 86th Ave. Suite 100
 Aurora, CO 80016
 P. 303.299.1234

Right of Way Plans	
Project Number:	NHPP 2873-172
Project Location:	Federal Boulevard
Project Name:	7th Avenue to W. Holden Place
Scale:	1" = 20' (H)
Scale:	1" = 20' (V)

NOTE: DETAILS SHOWING COMPLETE PARCEL INFORMATION ARE LOCATED ON SHEETS 7.09 THROUGH 7.21 HEREIN



SW 1/4,
 SECTION 5
 T 4 S, R 68 W,
 6TH P.M.

SE 1/4,
 SECTION 5
 T 4 S, R 68 W,
 6TH P.M.

RW-2 TE-2
 M & M HI
 PERFORMANCE CAR WASH
 LOTS 8 TO 11,
 BLCK N. 1,
 BURNS CITY VIEW ADDITION
 REC. #59814
 (PARCEL 0508103000000)
 710 FEDERAL BLVD

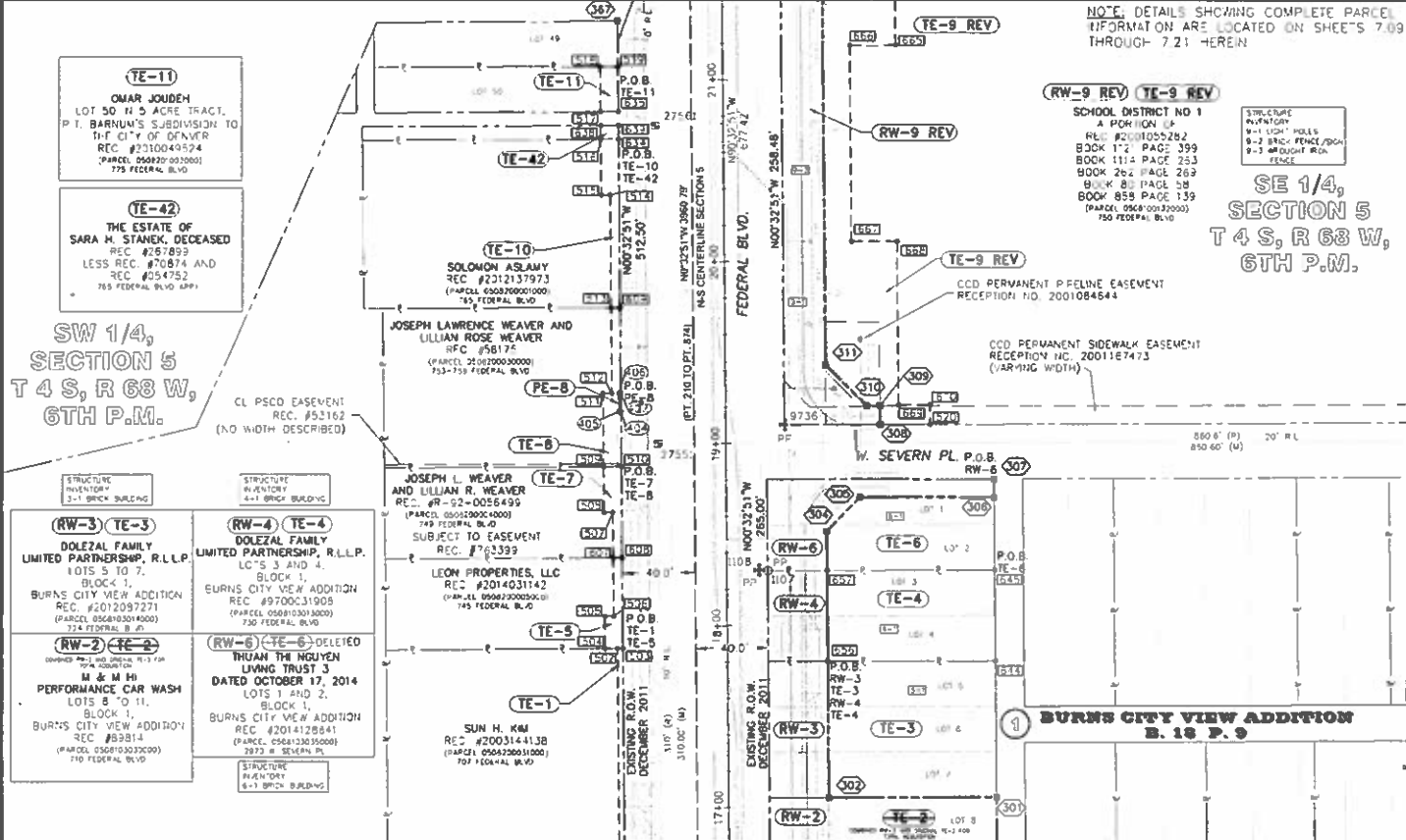
STRUCTURE
 INVENTORY
 2-1 CAR WASH BAYS
 2-2 VACUUM STATIONS
 2-1 BILLBOARD
 2-4 SIGN

AD SUBMITTAL - JANUARY 2, 2018

Sheet Revisions		Sheet Revisions	
Date	Description	Date	Description
01/21/2018	Revised Permits and All Details		
01/21/2018	Revised Permits and All Details		
01/21/2018	Revised Permits and All Details		

LUND
 1204 P. Lane, Aurora, CO 80010
 (303) 733-1100
 P.O. Box 481, Ft. Collins, CO 80521

Right of Way Plans	
Plan Sheet	
Project Number: ADP 2673-172	Sheet No: 1
Project Location: Federal Blvd	Sheet No: 1
7th Avenue to W Hidden Place	Sheet No: 1
177400	177400



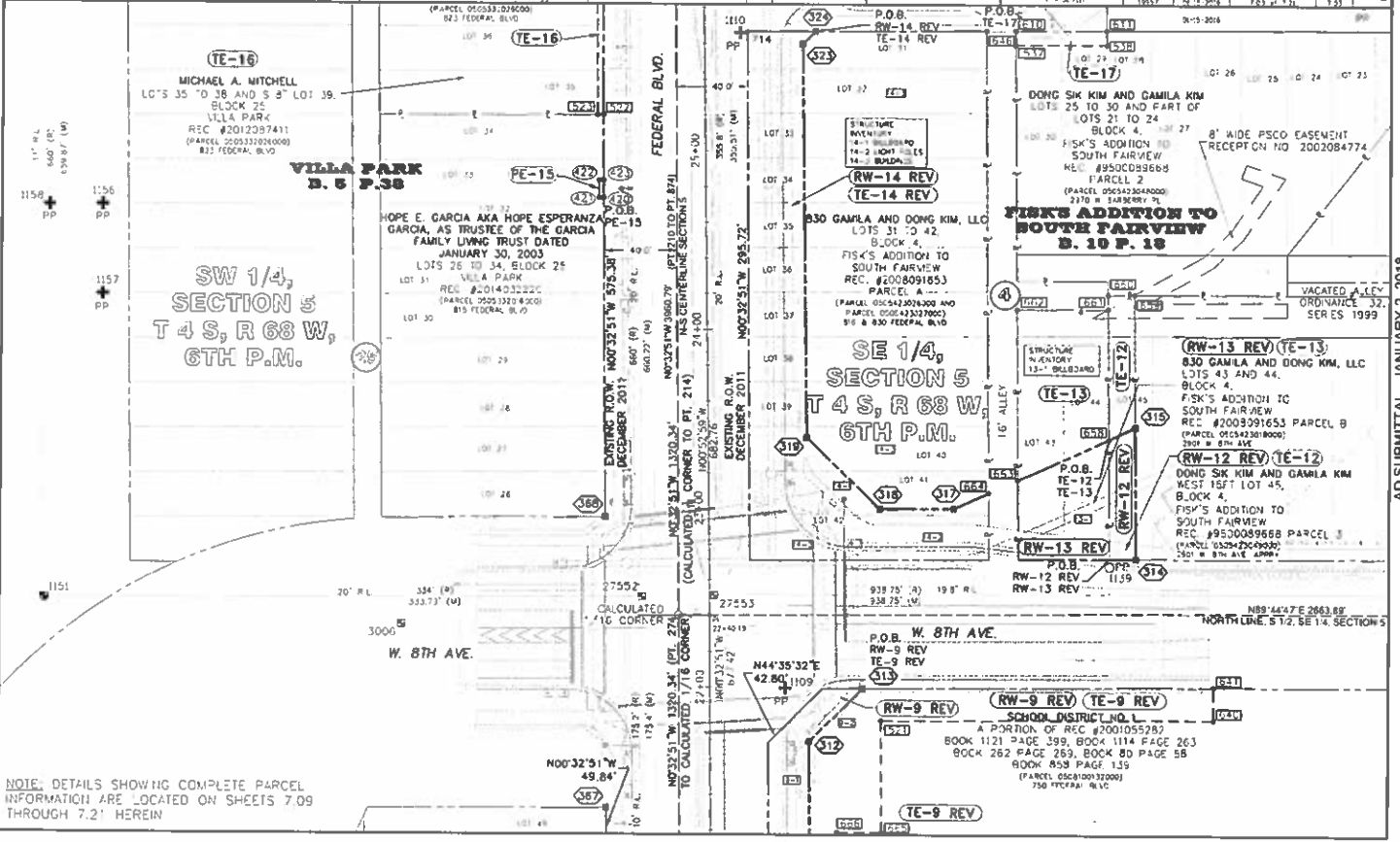
AD SUBMITTAL - JANUARY 2, 2018

Sheet Revisions				Sheet Revisions			
No.	Description	Date	By	No.	Description	Date	By
1-13-2018	Revised Right of Way	12/13/18	SLK				
1-13-2018	Revised Right of Way	12/13/18	SLK				

Sheet Revisions				Sheet Revisions			
No.	Description	Date	By	No.	Description	Date	By



Right of Way Plans	
Plan Sheet	
Project Number:	16-PA 2873-172
Project Location:	Federal Boulevard
7th Avenue to W. Holden Place	
Sheet No.	172



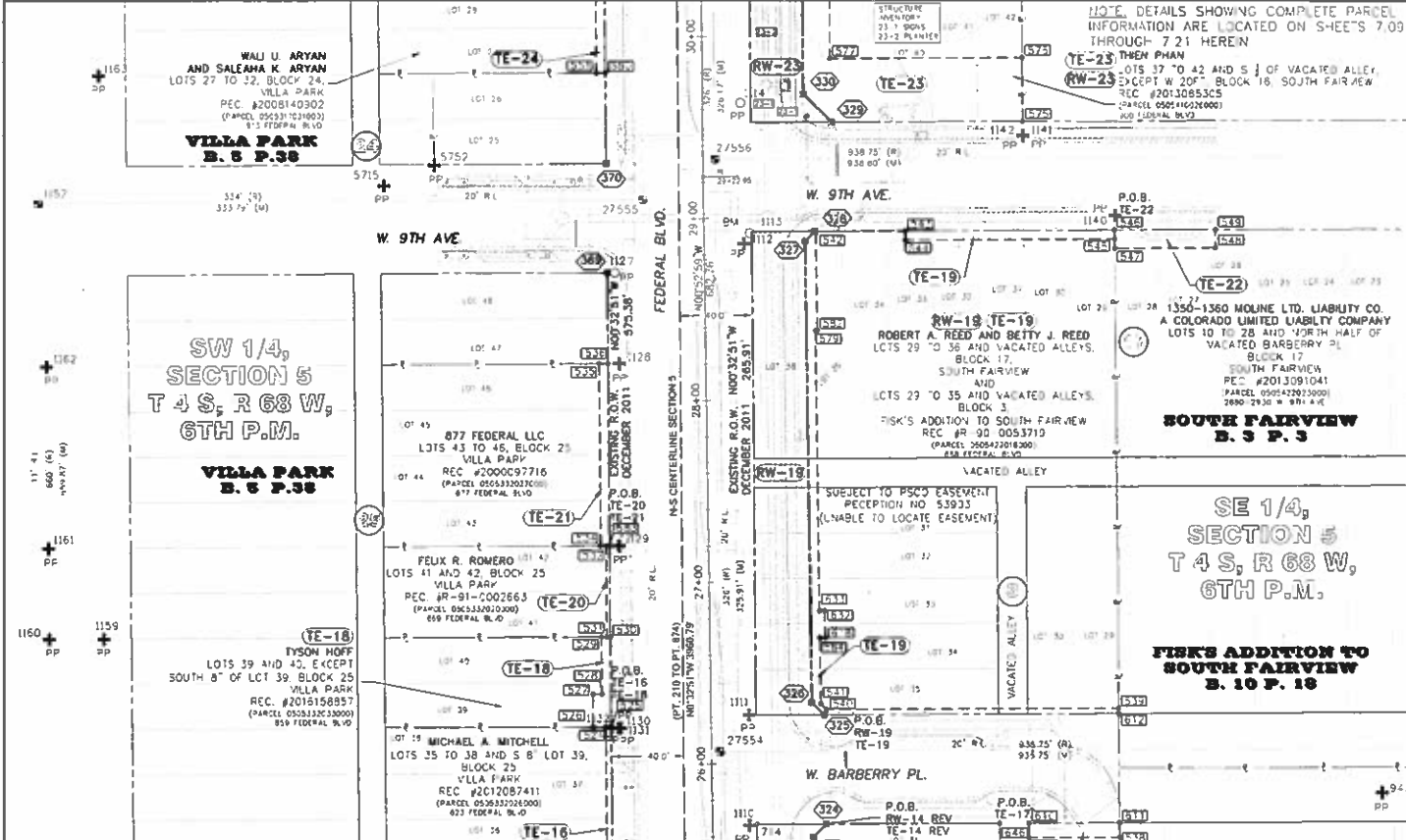
NOTE: DETAILS SHOWING COMPLETE PARCEL INFORMATION ARE LOCATED ON SHEETS 7.09 THROUGH 7.21 HEREIN

AD SUBMITTAL - JANUARY 2, 2018

Sheet Revisions				Sheet Revisions			
Date	Revised	By	Check	Date	Revised	By	Check
8-28-20	Final Error Fix						

LUND
 12345 Main Street, Suite 100
 Denver, CO 80202
 Phone: (303) 555-1234

Right of Way Plans			
Plan Sheet			
Project Number:	HWPP 2673-172		
Project Location:	Federal Boulevard		
Project Start Date:	8/28/20	Sheet No.	724 of 724
Project End Date:		Sheet No.	



AD SUBMITTAL - JANUARY 2, 2018

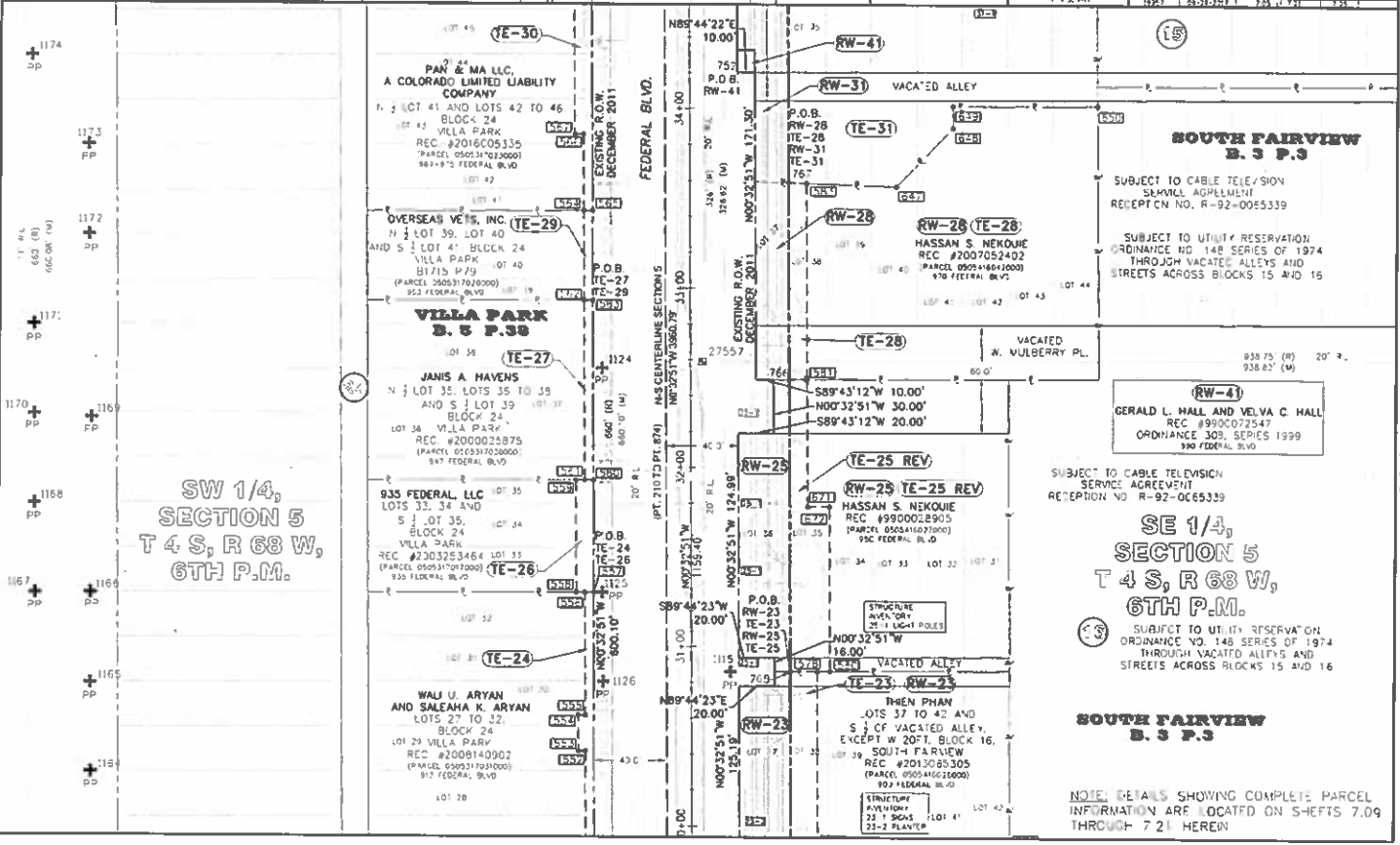
COLORADO DEPARTMENT OF TRANSPORTATION
 4470 Holly Street
 Denver, CO 80218
 Phone: (303) 398-6728

Sheet Revisions			
NO.	DATE	BY	REVISION
1	11/13/2017	SLK	PROJECT LEAD (11-3)

Sheet Revisions			
NO.	DATE	BY	REVISION



Right of Way Plans			
Plan Sheet			
Project Number:	166PP 2013-172		
Project Location:	Federal Boulevard		
7th Avenue to W. Hurden Place			
Sheet No.			



AD SUBMITTAL - JANUARY 2, 2018

COLORADO DEPARTMENT OF TRANSPORTATION
 4670 Holly Street
 Denver, CO 80216
 Phone: (303) 386-6728

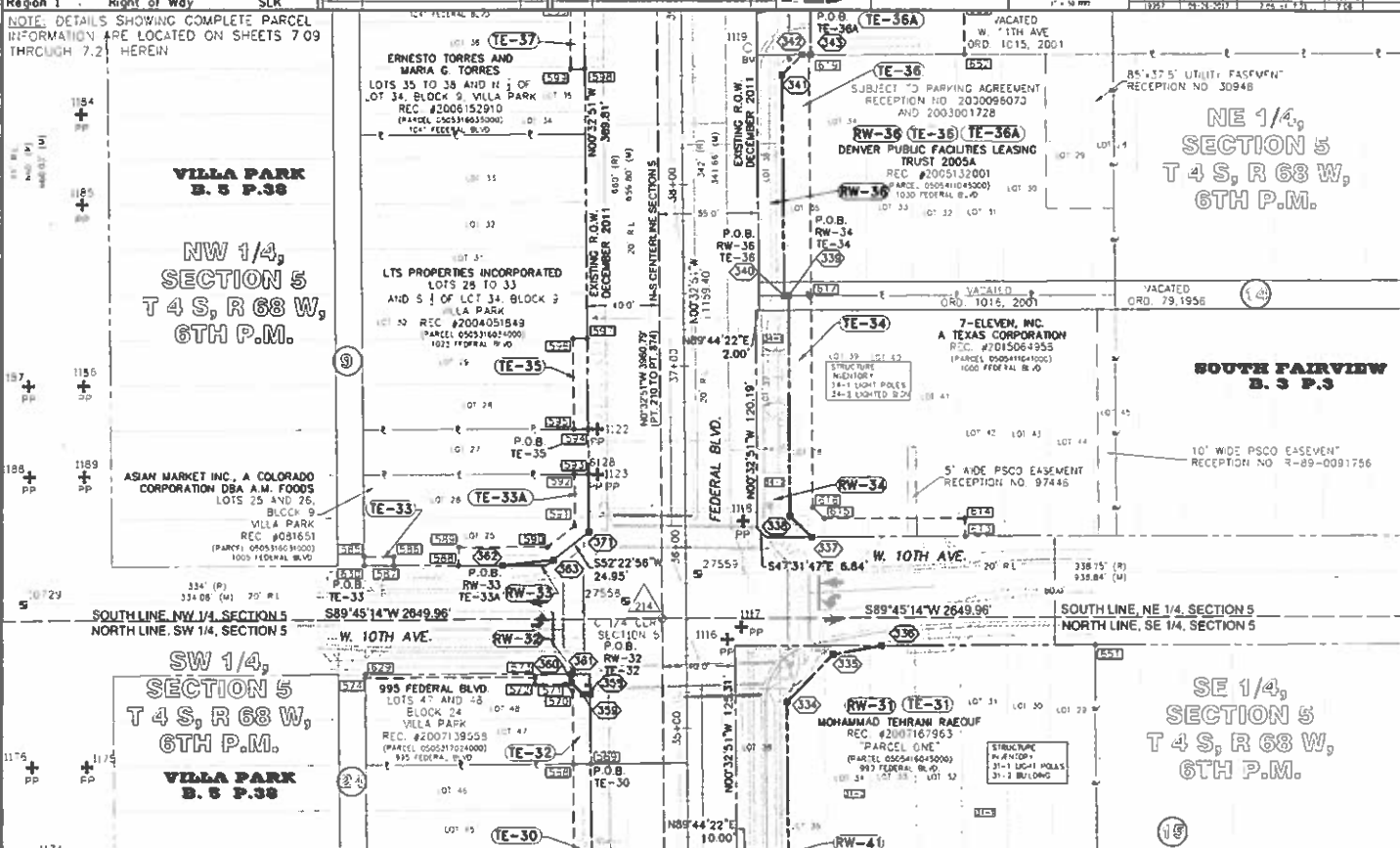
Sheet Revisions		Sheet Revisions	
No.	Description	No.	Description

CDOT
 **CDOT**
 1001 W. Bascom Avenue, Suite 100
 Englewood, Colorado 80110
 Project: 0505-110-45000

LUND
 **LUND**
 1001 W. Bascom Avenue, Suite 100
 Englewood, Colorado 80110
 Project: 0505-110-45000

Right of Way Plans
Plan Sheet

Project Number: AWP 2073-172
Project Location: Federal Boulevard
7th Avenue to W. Holden Place
Sheet No. 172



AD SUBMITTAL - JANUARY 2, 2018

COLORADO DEPARTMENT OF TRANSPORTATION

4670 Holy Street
Denver, CO 80216
Phone: (303) 368-8726

Region 1 Right of Way SLK

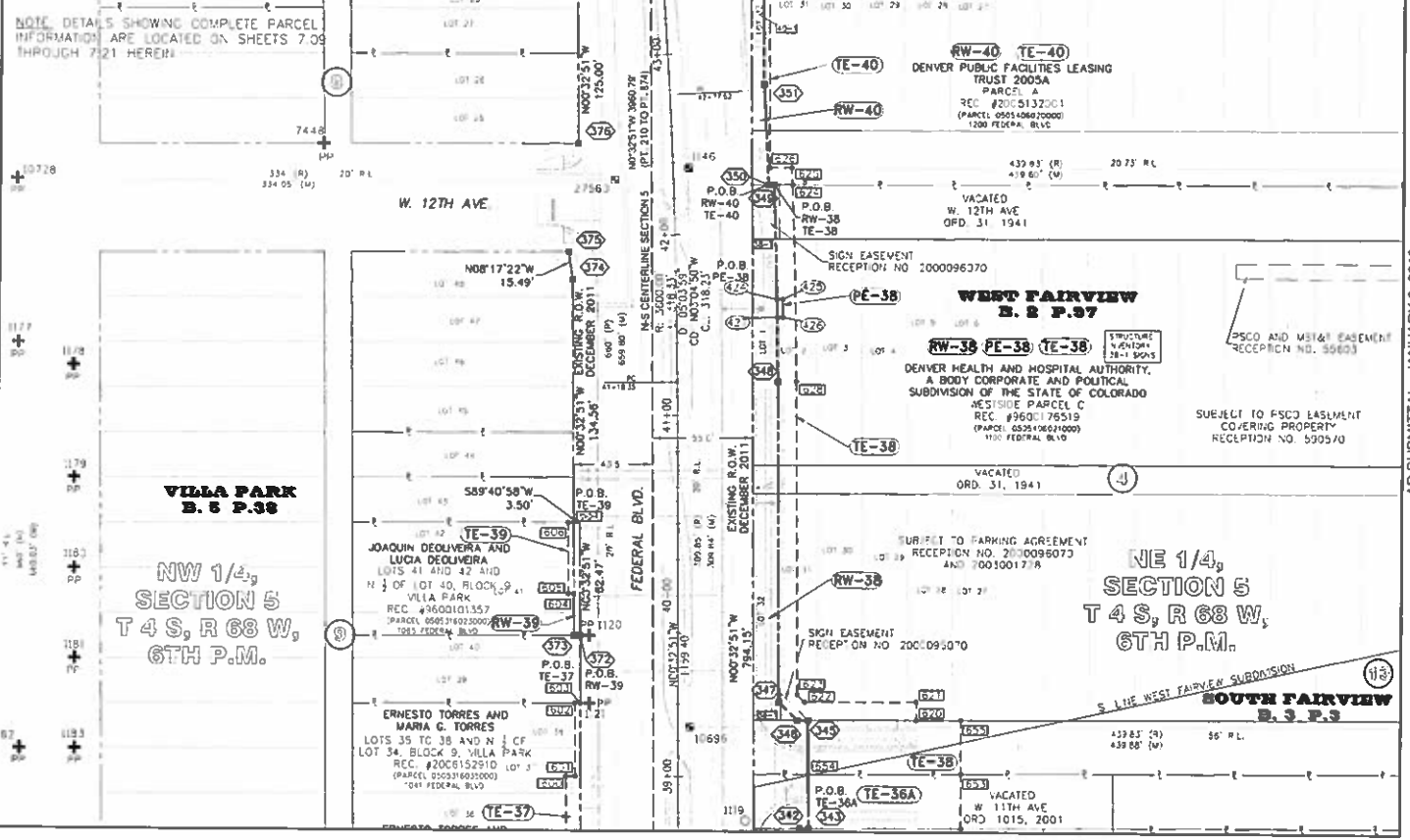
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No.	Description	No.	Description

LUND

1776 N. Royal Avenue, Suite 110
Denver, Colorado 80202
Phone: (303) 733-8888



Right of Way Plans	
Plan Sheet	
Project Number:	19-PP 2873-172
Project Location:	Federal Boulevard
7th Avenue to W. Holden Place	
Scale:	AS SHOWN ON THIS SHEET
Sheet No.:	172-1-171



AD SUBMITTAL - JANUARY 2, 2018

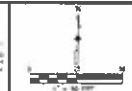
COLORADO DEPARTMENT OF TRANSPORTATION

4670 Holly Street
Denver, CO 80218
Phone: (303) 398-6728

Region 1 Right of Way SLK

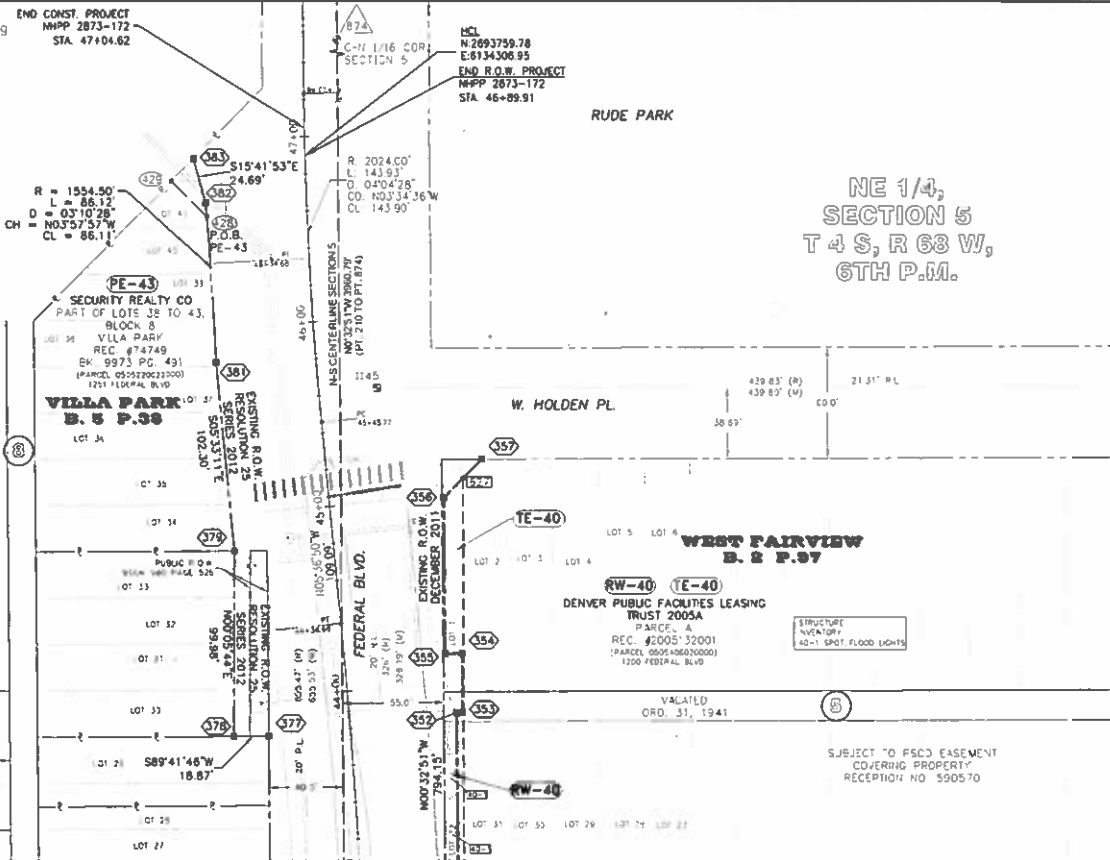
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Rev.	Description	Rev.	Description

Sheet Revisions		Sheet Revisions	
Rev.	Description	Rev.	Description



Right of Way Plans			
Plan Sheet			
Project Number:	MPP 2873-172	Sheet No:	708
Project Location:	Center 5046+20'S	Sheet No:	709
7th Avenue to W Holden Place		Sheet No:	710
Sheet Count on this Plan	60121	Sheet No:	711
10/27/18	1/13/18	Sheet No:	712

NOTE: DETAILS SHOWING COMPLETE PARCEL INFORMATION ARE LOCATED ON SHEETS 709 THROUGH 721 HEREIN



NW 1/4,
SECTION 5
T 4 S, R 68 W,
6TH P.M.

NE 1/4,
SECTION 5
T 4 S, R 68 W,
6TH P.M.

650.37' (W)
655.68' (W)

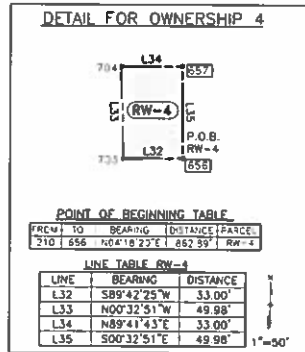
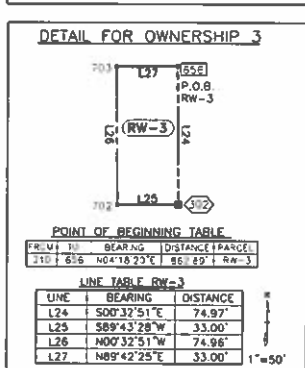
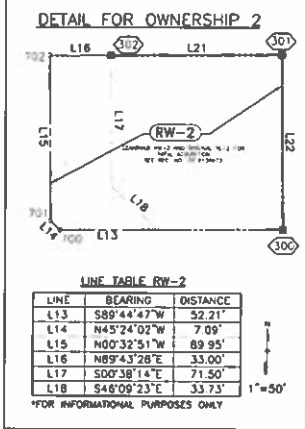
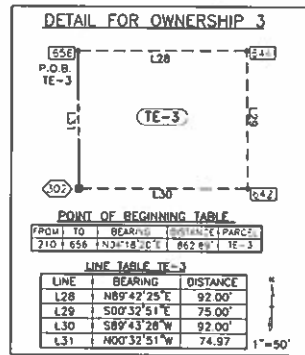
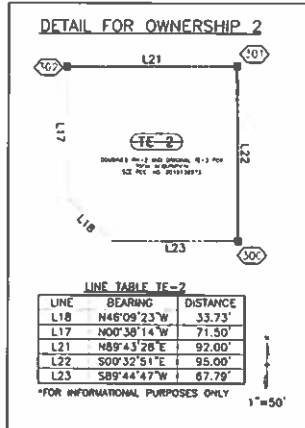
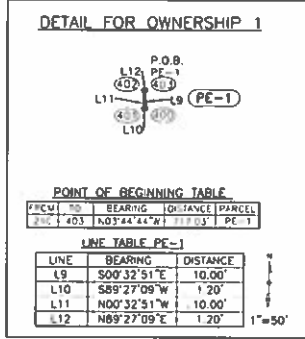
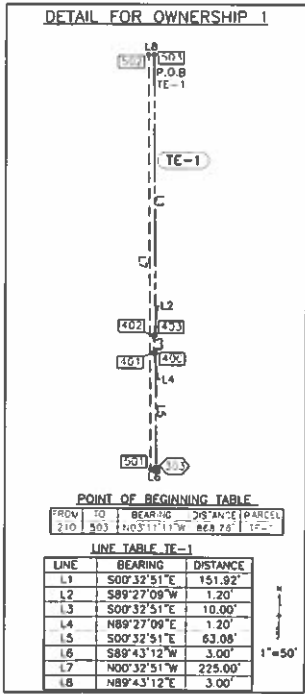
AD SUBMITTAL - JANUARY 2, 2018

Sheet Revisions				Sheet Revisions			
No.	Description	Date	By	No.	Description	Date	By
1	Issue	01/23/18	SLK				
2	Revised Section 300 and 301, added notes	02/14/18	SLK				
3	Revised Section 300 and 301, added notes	02/14/18	SLK				

Sheet Revisions				Sheet Revisions			
No.	Description	Date	By	No.	Description	Date	By

LUND
 17281 S. Federal Blvd., Suite 100
 Littleton, Colorado 80120
 Phone: (303) 733-2200
 Fax: (303) 733-2201

Right of Way Plans			
Plan Sheet			
Project Number:	NHPD 2873-172		
Project Location:	Federal Boulevard		
Project Control No.:	300	301	302
Sheet No.:	101	102	103



Sheet Revisions			Sheet Revisions		
Date	Description	Author	Date	Description	Author

Sheet Revisions			Sheet Revisions		
Date	Description	Author	Date	Description	Author



Right of Way Plans			
Plan Sheet			
Project Number:	NHP-8 2013-172		
Project Location:	Fisher Road Station 4		
Project Description:	7th A. 4th to W. Holden Place		
Project Control No.:	1310-003	Sheet No.:	210

DETAIL FOR OWNERSHIP 4

FROM	TO	BEARING	DISTANCE	PARCEL
210	656	N04°18'20"E	862.32'	TE-4

LINE	BEARING	DISTANCE
L36	N00°32'51"W	49.98'
L37	N89°41'43"E	92.00'
L38	S00°32'51"E	50.00'
L39	S89°42'25"W	92.00'

1"=50'

DETAIL FOR OWNERSHIP 6

FROM	TO	BEARING	DISTANCE	PARCEL
213	501	N00°12'40"E	973.47'	RW-6

LINE	BEARING	DISTANCE
L46	S00°32'51"E	10.00'
L47	S89°44'47"W	73.50'
L48	S44°27'09"W	26.17'
L49	S00°32'51"E	21.48'
L50	S89°41'43"W	33.00'
L51	N00°32'51"W	50.11'
L52	N89°44'47"E	125.00'

1"=50'

DETAIL FOR OWNERSHIP 7

FROM	TO	BEARING	DISTANCE	PARCEL
210	570	N00°34'51"W	968.66'	TE-7

LINE	BEARING	DISTANCE
L58	S00°32'51"E	50.00'
L59	S89°43'12"W	5.00'
L60	N00°32'51"W	24.80'
L61	S89°45'25"W	5.00'
L62	N00°32'51"W	25.20'
L63	N89°43'12"E	10.00'

1"=50'

DETAIL FOR OWNERSHIP 8

FROM	TO	BEARING	DISTANCE	PARCEL
210	407	N02°49'11"W	1006.92'	PE-8

LINE	BEARING	DISTANCE
L75	S00°32'51"E	10.00'
L76	S89°27'09"W	1.00'
L77	N00°32'51"W	10.00'
L78	N89°27'09"E	1.00'

1"=50'

DETAIL FOR OWNERSHIP 5

FROM	TO	BEARING	DISTANCE	PARCEL
210	563	N01°11'41"W	856.76'	TE-5

LINE	BEARING	DISTANCE
L40	S89°43'12"W	10.00'
L41	N00°32'51"W	17.80'
L42	N89°45'25"E	5.00'
L43	N00°32'51"W	32.20'
L44	N89°43'12"E	5.00'
L45	S00°32'51"E	50.00'

1"=50'

DETAIL FOR OWNERSHIP 6

FROM	TO	BEARING	DISTANCE	PARCEL
210	643	N09°44'11"E	924.23'	TE-6

LINE	BEARING	DISTANCE
L53	S89°41'43"W	92.00'
L54	N00°32'51"W	21.48'
L55	N44°27'09"E	26.17'
L56	N89°44'47"E	73.50'
L57	S00°32'51"E	40.00'

1"=50'

DETAIL FOR OWNERSHIP 8

FROM	TO	BEARING	DISTANCE	PARCEL
210	510	N02°34'51"W	968.66'	TE-8

LINE	BEARING	DISTANCE
L64	S89°43'12"W	10.00'
L65	N00°32'51"W	40.24'
L66	N89°27'09"E	5.00'
L67	N00°32'51"W	47.24'
L68	N89°43'12"E	5.00'
L69	S00°32'51"E	47.21'
L70	S89°27'09"W	1.00'
L71	S00°32'51"E	10.00'
L72	N89°27'09"E	1.00'
L73	S00°32'51"E	30.29'

1"=50'

DETAIL FOR OWNERSHIP 42

FROM	TO	BEARING	DISTANCE	PARCEL
210	634	N02°32'36"W	148.53'	TE-42

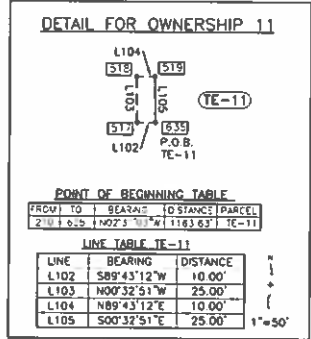
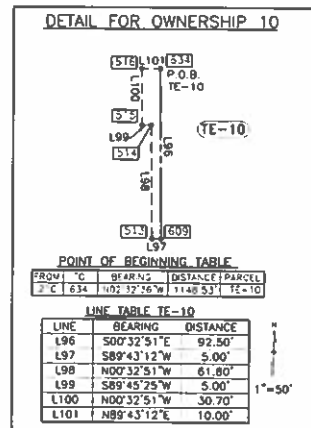
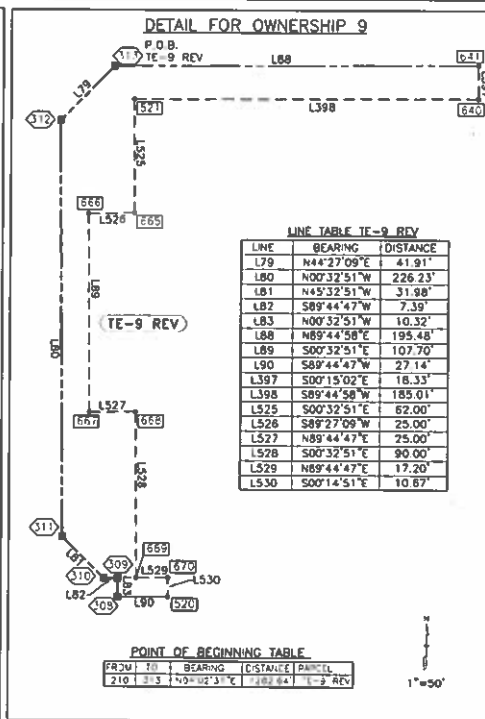
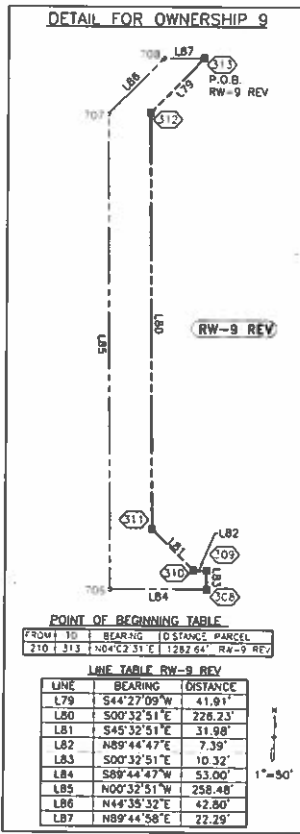
LINE	BEARING	DISTANCE
L393	S89°43'12"W	10.00'
L394	N00°32'51"W	7.50'
L395	N89°43'12"E	10.00'
L396	S00°32'51"E	7.50'

1"=50'

Sheet Revisions				Sheet Revisions			
No.	Description	Date	By	No.	Description	Date	By
1	Issue	12/15/17	ERS				



Right of Way Plans			
Plan Sheet			
Project Number:	HA-PP-2874-132	Sheet No.:	11
Project Location:	Federal Boulevard	Scale:	AS SHOWN
Drawn by:	7th Avenue to W. Holden Place	Checked by:	
Project Start:	12/15/17	Project End:	12/15/17



Sheet Revisions				Sheet Revisions			
No.	Description	By	Date	No.	Description	By	Date
1	Project Revisions	SLK	1/14/14				
2	Issue L14 and L15						

LUND
 12201 W. Bowdoin Ave., Suite 100
 Greenwood Village, CO 80120
 P.O. Box 10117, 30388-0117

Right of Way Plans			
Plan Sheet			
Project Number:	HAPP 2013-122		
Project Location:	Federal Boulevard		
Project Description:	7th Avenue to W. Hidden Place		
Scale:	1" = 50'	Sheet No.	7/3

DETAIL FOR OWNERSHIP 12

POINT OF BEGINNING TABLE

FROM	TO	BEARING	DISTANCE	PARCEL
210	109	N09°31'04"E	131.09	RW-12 REV

LINE TABLE RW-12 REV

LINE	BEARING	DISTANCE
L106	N00°32'51"W	66.88'
L107	N65°17'18"E	16.44'
L108	S00°32'51"E	73.69'
L109	S89°44'58"W	15.00'

DETAIL FOR OWNERSHIP 13

POINT OF BEGINNING TABLE

FROM	TO	BEARING	DISTANCE	PARCEL
710	709	N79°31'04"E	1370.99	RW-13 REV

LINE TABLE RW-13 REV

LINE	BEARING	DISTANCE
L114	S89°44'58"W	50.00'
L115	N00°32'51"W	44.19'
L116	N65°17'18"E	54.80'
L118	S00°32'51"E	66.88'

DETAIL FOR OWNERSHIP 14

POINT OF BEGINNING TABLE

FROM	TO	BEARING	DISTANCE	PARCEL
210	324	N02°19'13"E	1648.24'	RW-14 REV

LINE TABLE RW-14 REV

LINE	BEARING	DISTANCE
L122	S44°07'01"W	9.99'
L123	S00°52'59"E	220.32'
L124	S45°34'18"E	56.96'
L125	S00°32'51"E	36.93'
L126	S89°44'58"W	134.00'
L127	N00°32'51"W	295.72'
L128	N89°44'02"E	38.16'
L129	N89°44'23"E	42.13'
L130	N65°17'18"E	20.99'

DETAIL FOR OWNERSHIP 14

POINT OF BEGINNING TABLE

FROM	TO	BEARING	DISTANCE	PARCEL
210	324	N02°19'13"E	1648.24'	TE-14 REV

LINE TABLE TE-14 REV

LINE	BEARING	DISTANCE
L122	N44°07'01"E	9.99'
L123	N00°52'59"W	220.32'
L124	N45°34'18"W	56.96'
L131	N89°44'02"E	95.84'
L132	S00°32'51"E	258.83'
L133	S89°44'23"W	42.13'
L134	S65°17'18"W	20.99'

DETAIL FOR OWNERSHIP 12

POINT OF BEGINNING TABLE

FROM	TO	BEARING	DISTANCE	PARCEL
210	658	N09°04'03"E	1426.89'	TE-12

LINE TABLE TE-12

LINE	BEARING	DISTANCE
L107	S65°17'18"W	16.44'
L509	N00°32'51"W	80.99'
L510	N89°44'02"E	15.00'
L511	S00°32'51"E	74.18'

DETAIL FOR OWNERSHIP 13

POINT OF BEGINNING TABLE

FROM	TO	BEARING	DISTANCE	PARCEL
210	658	N09°04'03"E	1426.89'	TE-13

LINE TABLE TE-13

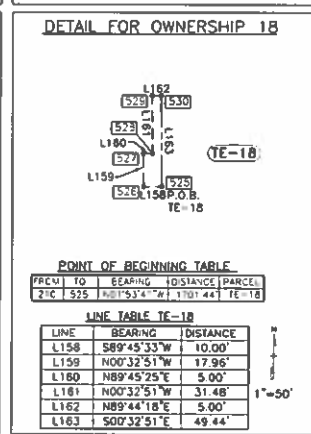
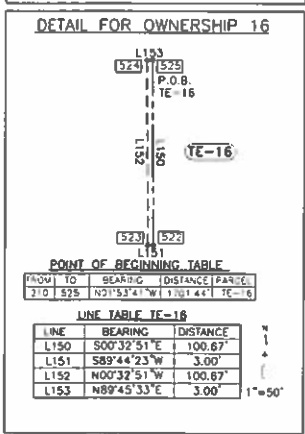
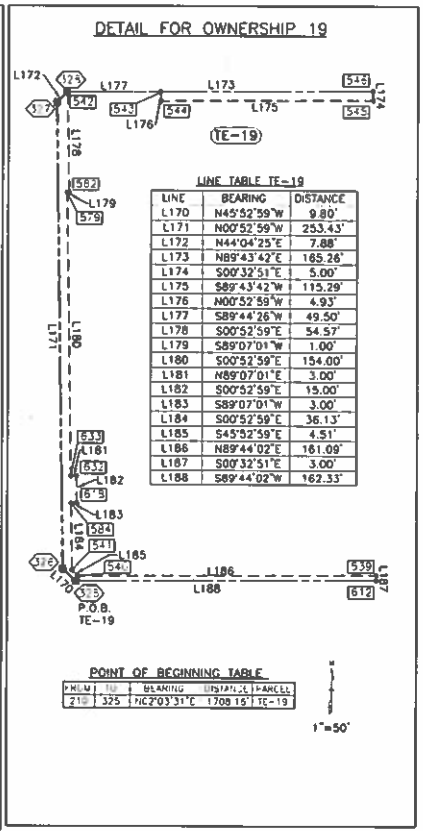
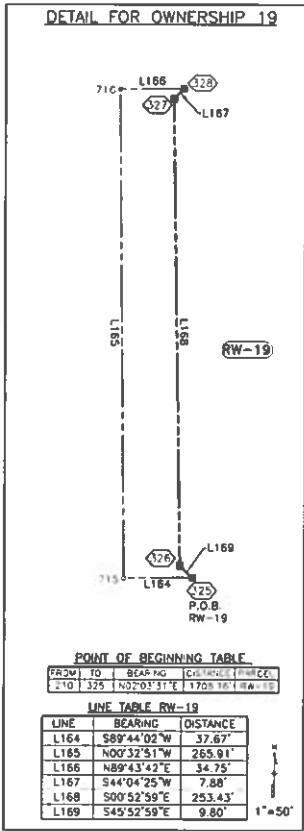
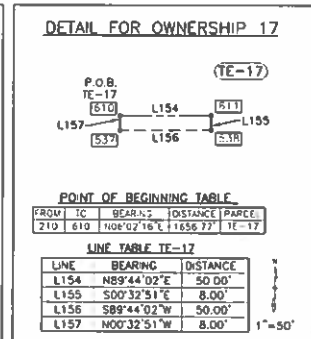
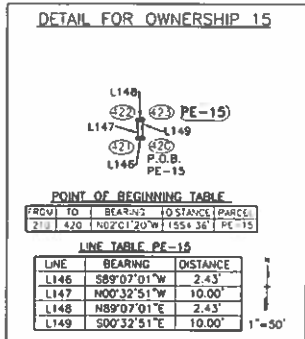
LINE	BEARING	DISTANCE
L116	S65°17'18"W	54.80'
L512	N00°32'51"W	95.67'
L513	N89°44'02"E	50.00'
L514	S00°32'51"E	72.99'

Sheet Revisions				Sheet Revisions			
Date	Description	By	Check	Date	Description	By	Check

Sheet Revisions				Sheet Revisions			
Date	Description	By	Check	Date	Description	By	Check



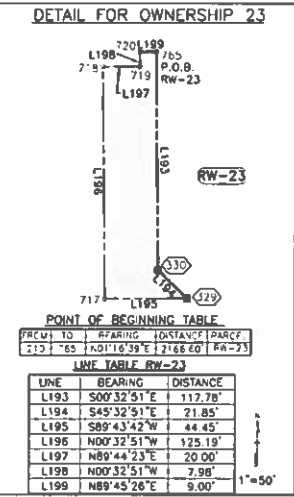
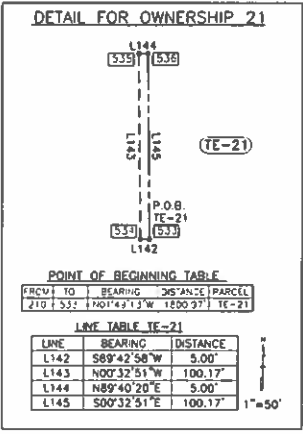
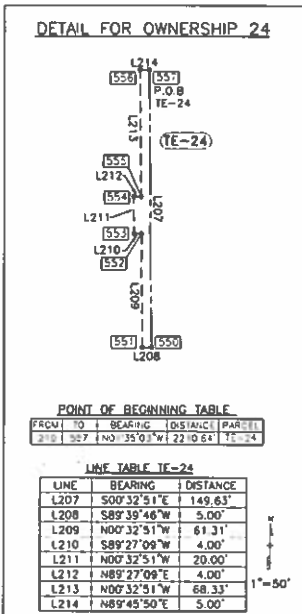
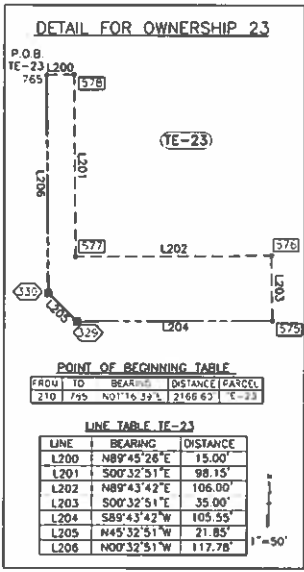
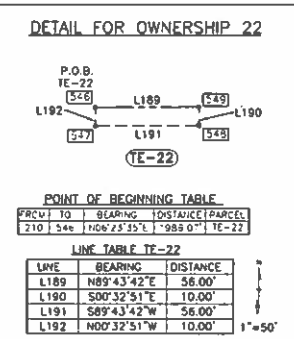
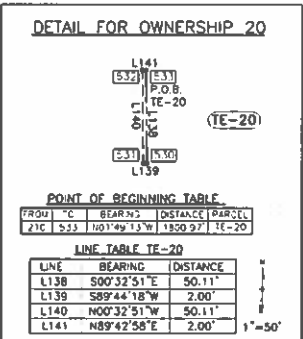
Right of Way Plans			
Plan Sheet			
Project Number:	MPP 26-3-172		
Project Location:	Federal Boulevard		
Project Start/End:	7th Avenue to W. Holden Place	Sheet No.:	172
Project Start/End:	1321	Sheet No.:	173



Sheet Revisions				Sheet Revisions			
Date	Description	By	Check	Date	Description	By	Check



Right of Way Plans			
Plan Sheet			
Project Number:	NHFP 2873-172		
Project Location:	Federal Boulevard		
Nearest Controlled Access Point:	7th Avenue to W. Holden Place		
Sheet No.	102	Sheet No.	101

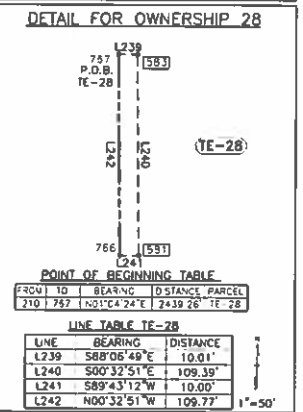
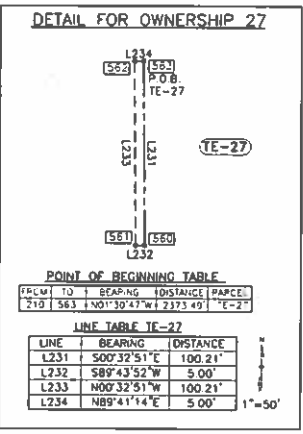
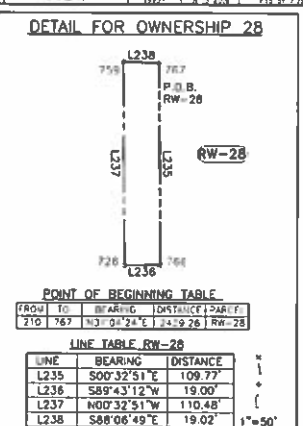
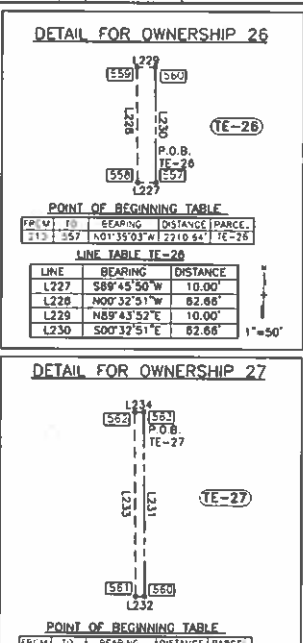
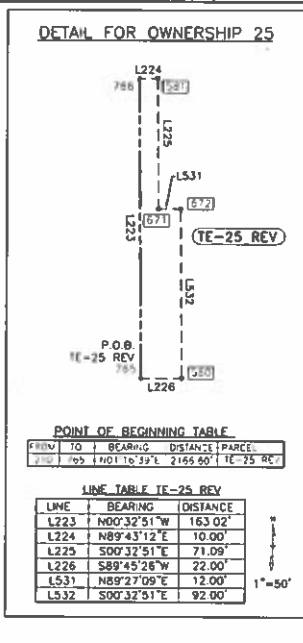
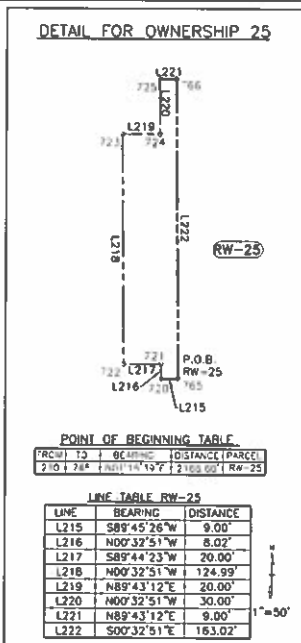


NO.	DESCRIPTION	DATE
1	ISSUED	11/20/18

NO.	DESCRIPTION	DATE
2	ISSUED	11/20/18



Right of Way Plans	
Plan Sheet	
Project Number: 24-PP-2873-172	
Project Location: Federal Boulevard	
Project Segment: 7th Avenue to W. Hobson Place	
Sheet No.:	210 of 210

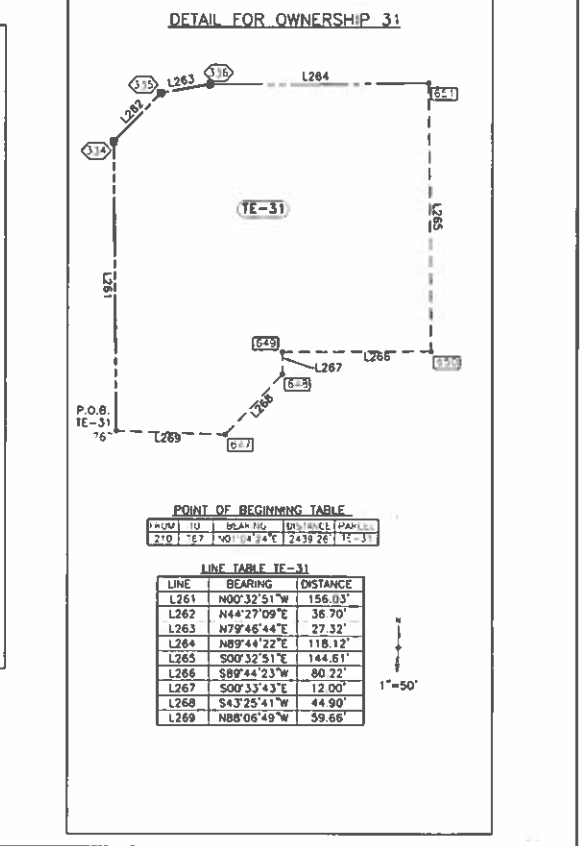
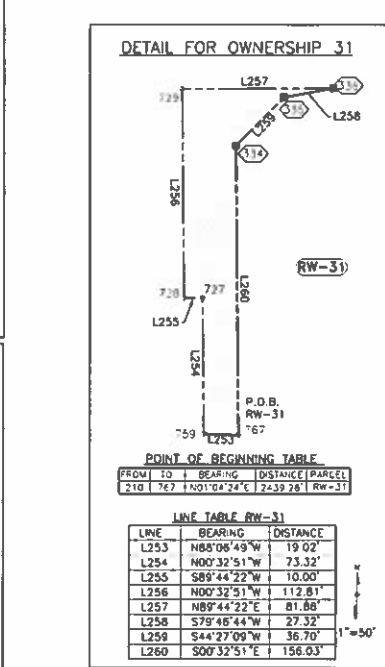
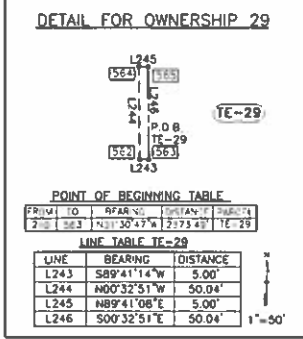


Sheet Revisions			Sheet Revisions		
No.	Description	Date	No.	Description	Date



Right of Way Plans			
Plan Sheet			
Project Number:	JHP 2873-172		
Project Location:	Federal Boulevard		
Sheet Title:	7th Avenue to W. Holden Place		
Sheet Number:	2873-172	Sheet:	17

Region I Right of Way SLK



REV	DATE	BY	APP	REVISION

REV	DATE	BY	APP	REVISION



Right of Way Plans	
Plan Sheet	
Project Number: H&P 2873-172	
Project Location: Federal Boulevard	
Project Code: 001 401 300	
Scale: 1" = 50'	

Region I Right of Way SLK

DETAIL FOR OWNERSHIP 32

POINT OF BEGINNING TABLE

FROM	TO	BEARING	DISTANCE	PARCEL
210	158	N0°25'44"W	259.95'	TE-32

LINE TABLE TE-32

LINE	BEARING	DISTANCE
L275	S00°32'51"E	38.85'
L276	S89°39'37"W	10.00'
L277	N00°32'51"W	40.54'
L278	N45°14'46"W	5.63'
L279	S89°45'14"W	17.00'
L280	N00°14'46"W	3.50'
L281	S89°45'14"W	93.97'
L282	N00°32'51"W	1.82'
L283	N89°39'24"E	114.44'
L284	S00°14'46"E	4.73'
L285	S45°14'46"E	9.14'
L286	N89°27'09"E	4.07'

1"=50'

DETAIL FOR OWNERSHIP 33

POINT OF BEGINNING TABLE

FROM	TO	BEARING	DISTANCE	PARCEL
874	162	S0°21'54"W	1292.28'	RW-33

LINE TABLE RW-33

LINE	BEARING	DISTANCE
L287	N83°30'54"E	28.33'
L288	S52°22'56"W	5.00'
L289	S89°39'24"W	24.18'

1"=50'

DETAIL FOR OWNERSHIP 33

POINT OF BEGINNING TABLE

FROM	TO	BEARING	DISTANCE	PARCEL
574	392	S03°21'54"W	1292.28'	TE-33A

LINE TABLE TE-33A

LINE	BEARING	DISTANCE
L294	S89°39'24"W	24.42'
L295	N00°32'51"W	10.00'
L296	N89°39'24"E	49.19'
L297	N52°27'55"E	19.17'
L298	N00°32'51"W	28.38'
L299	N89°40'37"E	8.00'
L300	S00°32'51"E	31.82'
L301	S52°22'56"W	24.95'
L302	S63°30'54"W	28.33'

1"=50'

DETAIL FOR OWNERSHIP 34

POINT OF BEGINNING TABLE

FROM	TO	BEARING	DISTANCE	PARCEL
874	339	S64°07'33"E	1145.08'	RW-34

LINE TABLE RW-34

LINE	BEARING	DISTANCE
L303	S00°32'51"E	121.34'
L304	S45°22'08"E	16.58'
L305	S89°44'22"W	25.39'
L306	N47°31'47"W	6.84'
L307	N00°32'51"W	120.19'
L308	N89°44'22"E	2.00'
L309	N00°32'51"W	8.00'
L310	N89°44'22"E	16.50'

1"=50'

DETAIL FOR OWNERSHIP 32

POINT OF BEGINNING TABLE

FROM	TO	BEARING	DISTANCE	PARCEL
210	158	N0°25'44"W	259.95'	TE-32

LINE TABLE RW-32

LINE	BEARING	DISTANCE
L270	S89°27'09"W	4.07'
L271	N45°14'46"W	9.14'
L272	N00°14'46"W	4.73'
L273	N89°39'24"E	10.47'
L274	S00°32'51"E	11.19'

1"=50'

DETAIL FOR OWNERSHIP 33

POINT OF BEGINNING TABLE

FROM	TO	BEARING	DISTANCE	PARCEL
874	633	S02°44'46"W	1330.02'	TE-33

LINE TABLE TE-33

LINE	BEARING	DISTANCE
L290	N00°32'51"W	5.00'
L291	N89°39'24"E	16.50'
L292	S00°32'51"E	5.00'
L293	S89°39'24"W	16.50'

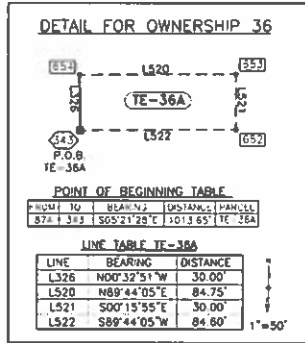
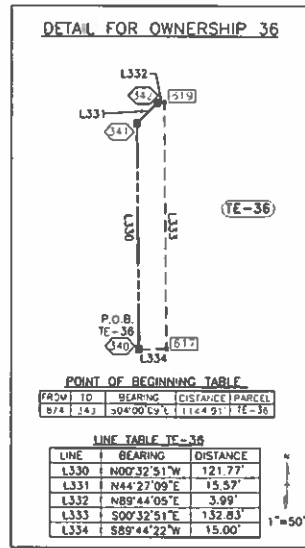
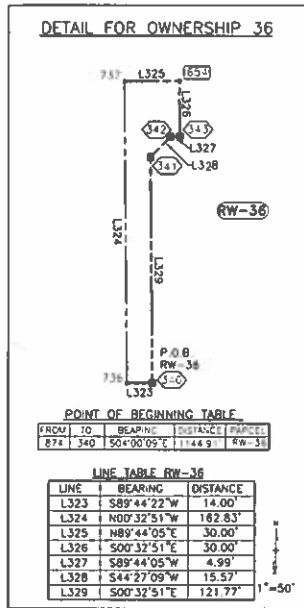
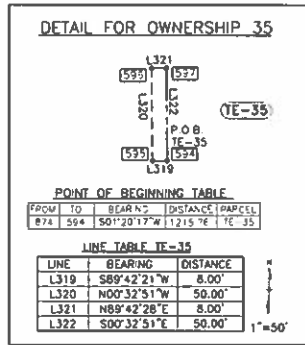
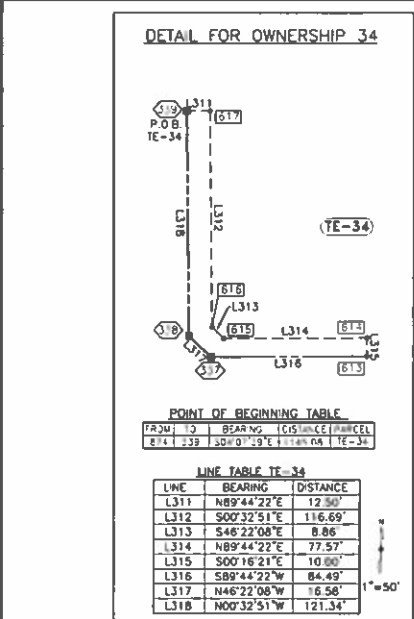
1"=50'

AD SUBMITTAL - JANUARY 2, 2018

Sheet Revisions		Sheet Revisions	
No.	Description	No.	Description



Right of Way Plans			
Plan Sheet			
Project Number:	ANRP 2873-172		
Project Section:	Federal Boulevard		
7th Avenue to W. Hidden Place			
Sheet (containing) No.	2873-172	Sheet No.	7/2

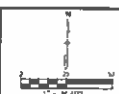


Sheet Revisions		Sheet Revisions	
NO.	DESCRIPTION	NO.	DESCRIPTION

Sheet Revisions		Sheet Revisions	
NO.	DESCRIPTION	NO.	DESCRIPTION



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Right of Way Plans	
Plan Sheet	
Project Number:	16-PP-7873-177
Project Location:	Federal Boulevard
Sheet No.:	1887

