

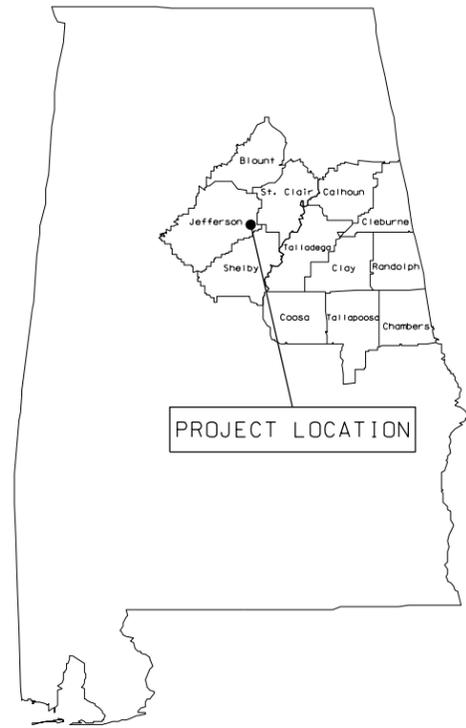
# ALABAMA

## DEPARTMENT OF TRANSPORTATION

### PLANS OF PROPOSED PROJECT NUMBER

# TAPAA-TA22(911)

## DOWNTOWN STREETScape IMPROVEMENTS ALONG SR-4 (US-78 / PARKWAY DRIVE) AND SR-25 (US-411 / 9TH STREET) IN LEEDS JEFFERSON COUNTY



PROJECT LOCATION

Existing Bridge and Bridge Culvert

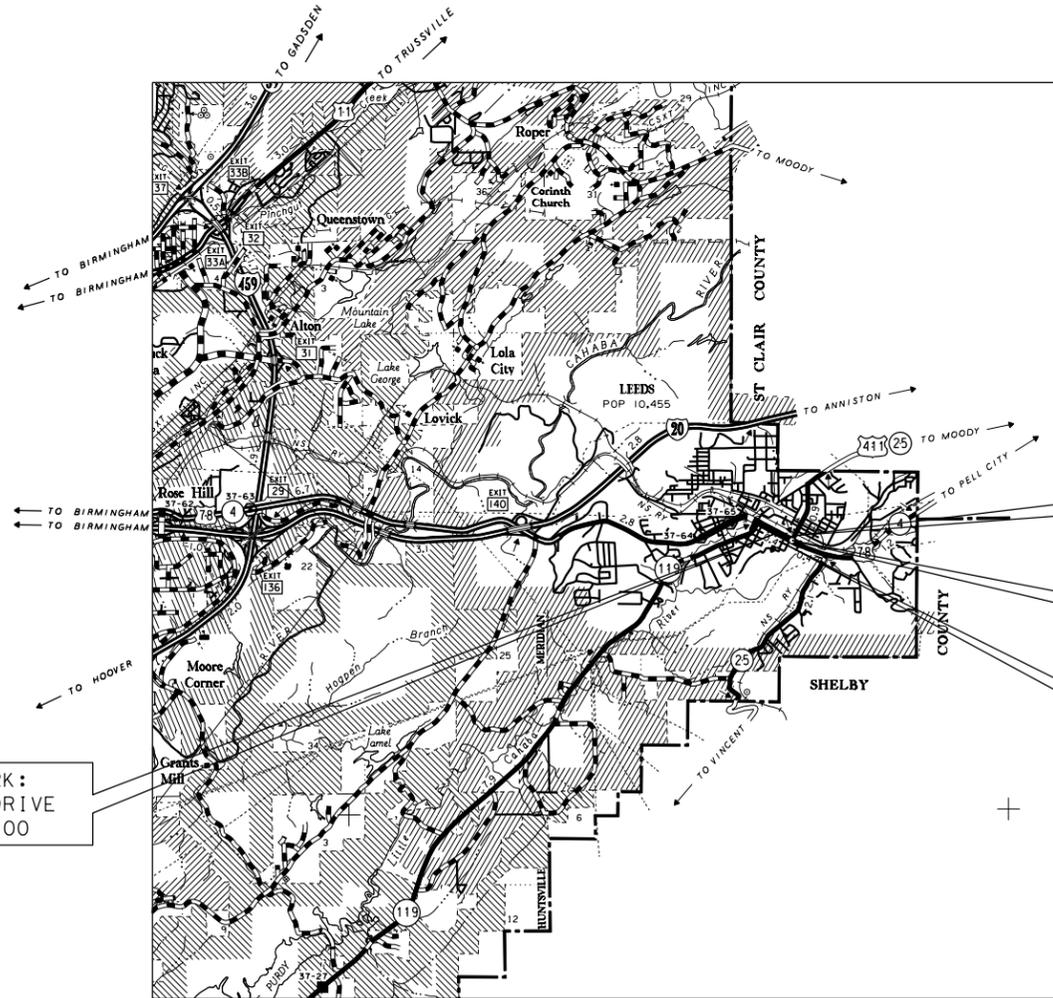
None

Required Bridge and Bridge Culvert

None

Equations & Exceptions

None



BEGIN WORK:  
PARKWAY DRIVE  
STA 8+00.00

END WORK:  
9TH STREET  
STA 61+15.00

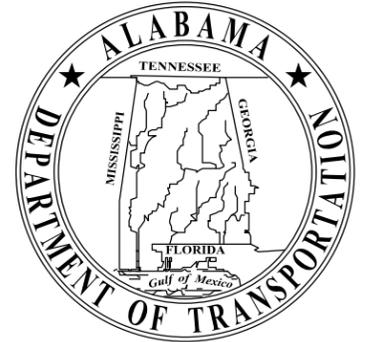
END WORK:  
PARKWAY DRIVE  
STA 18+15.00

BEGIN WORK:  
9TH STREET  
STA 53+75.00

TSH-16-S  
TSH-17-S

TSH-17-S  
TSH-18-S

RGE-01-W  
RGE-01-E



STATE	REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO	LAST SHEET NO
AL	TAPAA-TA22(911)	2024	1	77

CONTRACT ID NO.

Preliminary Project No. N/A  
Code No. N/A

Design Designation	
ADT ( )	N/A
ADT ( )	N/A
K	N/A
D	N/A
TDHV	N/A
TADT	N/A
V ( Design Speed )	N/A
Min. Stopping Sight Dist.	N/A

These plans have been prepared to conform with the Alabama Department of Transportation Standard Specifications for Highway Construction, 2022 Edition.

	PARKWAY DRIVE		9TH STREET		TOTAL	
	FEET	MILES	FEET	MILES	FEET	MILES
Total Stationing of Project	1015.00		740.00		1755.00	
Equations & Exceptions	0.00		0.00		0.00	
Net Length of Project	1015.00	0.192	740.00	0.140	1755.00	0.332
Net Length of Bridges	0.00	0.000	0.00	0.000	0.00	0.000
Net Length of Roadways	1015.00	0.192	740.00	0.140	1755.00	0.332

THE BIDDER'S ATTENTION IS DIRECTED TO SUBARTICLE 102.08(b), CONTAINED IN THE 2022 STANDARD SPECIFICATIONS, CONCERNING COMBINATION BIDS (CITY FINANCED PROJECTS).

PLANS PREPARED BY:

		2680 East Chase Lane, Suite 200 Montgomery, AL 36117 T 334.271.3200 GMCNETWORK.COM
		REGISTERED ENGINEER      JEFF B. FENNELL STATE OF ALABAMA              LICENSE NO. 25074
DATE:		

# INDEX TO SHEETS, SPECIAL & STANDARD DRAWINGS

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
TAPAA-TA22(911)	2024	1A

1 ..... TITLE SHEET	16 - 19..... GRADING & DRAINAGE PLAN SHEETS	51 - 54..... IRRIGATION PLAN SHEETS
1A ..... INDEX TO SHEETS, SPECIAL & STANDARD DRAWINGS	20..... SPECIAL PROJECT DETAIL <small>DETAIL OF BICYCLE SAFE DITCH INLET TYPE - PD</small>	55..... IRRIGATION DETAILS
1B ..... PLANS LEGEND SHEET	21 - 24..... STRIPING & SIGNING PLAN SHEETS	56..... IRRIGATION NOTES AND SCHEDULES
1C ..... PLANS LEGEND SHEET ABBREVIATIONS	25..... OMIT	57 - 60..... OMIT
1D ..... TRAFFIC SIGNAL AND ITS LEGEND SHEET	26 - 29..... UTILITY PLAN SHEETS	61 - 61A ..... TRAFFIC SIGNAL LAYOUT SHEET - SR-4 (US-78/PARKWAY DRIVE) AT 8TH STREET
2 - 2D ..... TYPICAL SECTIONS & MISCELLANEOUS DETAILS	30..... EROSION & SEDIMENT CONTROL PLANS LEGEND	62 - 62A ..... TRAFFIC SIGNAL LAYOUT SHEET - SR-4 (US-78/PARKWAY DRIVE) AT 9TH STREET
2E..... PROJECT NOTES	31 - 34..... EROSION & SEDIMENT CONTROL PLAN SHEETS	63..... SPECIAL PROJECT DETAIL <small>TRAFFIC SIGNAL POLES, MAST ARMS, LUMINAIRES, PED POLES, STREET SIGNS</small>
2F..... GENERAL TRAFFIC CONTROL PLAN NOTES	35..... OMIT	64..... ITS LAYOUT SHEET - SR-4 (US-78/PARKWAY DRIVE) AT 8TH STREET
2G ..... TRAFFIC SIGNAL PLAN NOTES	36 - 38..... TEMPORARY TRAFFIC CONTROL PLANS	65..... ITS LAYOUT SHEET - SR-4 (US-78/PARKWAY DRIVE) AT 9TH STREET
2H ..... INTELLIGENT TRANSPORTATION SYSTEMS (ITS) PLAN NOTES	39 - 40..... OMIT	66 - 70..... OMIT
3 - 3F..... SUMMARY OF QUANTITIES	41 - 44..... HARDSCAPE PLAN SHEETS	71 ..... ELECTRICAL PLAN - NOTES & ABBREVIATIONS
4 - 7..... DEMOLITION PLAN SHEETS	45..... HARDSCAPE DETAILS AND NOTES	72..... ELECTRICAL PLAN - DETAILS AND RISERS
8 - 10..... OMIT	46 - 49..... LANDSCAPING PLAN SHEETS	73..... ELECTRICAL PLAN - SCHEDULES
11 - 14..... STREETScape PLAN SHEETS	50..... LANDSCAPING DETAILS AND NOTES	74 - 77 ..... ELECTRICAL PLAN - LIGHTING PLAN SHEETS
15..... RETAINING WALL PLAN AND PROFILE SHEET		

THE FOLLOWING ARE SPECIAL OR STANDARD DRAWINGS CONTAINED IN THE 2023 ALABAMA DEPARTMENT OF TRANSPORTATION SPECIAL & STANDARD HIGHWAY DRAWINGS BOOK (U.S. CUSTOMARY UNITS OF MEASUREMENT), WHICH APPLY TO THIS PROJECT:

INDEX NO.	DRAWING NO.	DESCRIPTION	INDEX NO.	DRAWING NO.	DESCRIPTION
52901	RW 10-4 (SHEET 1 OF 4)	RETAINING WALLS 0' TO 34' HEIGHTS	66529	ESC-501	FLOATING BASIN BOOM
52902	RW 10-4 (SHEET 2 OF 4)	RETAINING WALLS 0' TO 34' HEIGHTS	66532	ESC-502	STABILIZED CONSTRUCTION ENTRANCE
53004	RPC-530 (SHEET 1 OF 3)	BEDDING AND FILL HEIGHTS FOR ALL ROADWAY PIPE CULVERTS (RCP AND CMP)	66535	ESC-503	TEMPORARY DEWATERING STRUCTURES
53005	RPC-530 (SHEET 2 OF 3)	BEDDING AND FILL HEIGHTS FOR ALL ROADWAY PIPE CULVERTS (CMP AND RCP)	66538	ESC-504	TEMPORARY CULVERT STREAM CROSSING
53006	RPC-530 (SHEET 3 OF 3)	BEDDING AND FILL HEIGHTS FOR ALL ROADWAY PIPE CULVERTS (H.D.P.E PIPE)	66541	ESC-505	TEMPORARY STREAM DIVERSION
60601	PU-606	DETAILS OF PIPE UNDERDRAIN (U.D.) INSTALLATION	66544	ESC-506-1	SUSPENDED PIPE DIVERSION (DOWNSTREAM)
61301	MD-25	DETAILS OF CONCRETE & BRICK MASONRY STEPS	66545	ESC-506-2	SUSPENDED PIPE DIVERSION (UPSTREAM)
61801	SW-618 (SHEET 1 OF 4)	CURB RAMP DETAIL CALLOUTS, GENERAL NOTES FOR CURB RAMPS AND SIDEWALKS, AND DETAILS	66548	ESC-507	TEMPORARY SEDIMENTATION BASIN
61802	SW-618 (SHEET 2 OF 4)	CORNER CURB RAMPS	67201	ESC-508	FLOCCULANT USAGE GUIDE
61803	SW-618 (SHEET 3 OF 4)	MIDBLOCK CURB RAMPS	68001	GN-2 NOTES	STANDARD DESIGN NOTES FOR PLAN ASSEMBLIES
61804	SW-618 (SHEET 4 OF 4)	SIDEWALKS & CURB RAMPS AT DRIVEWAYS, RAILROAD, MEDIAN, & ISLAND CROSSINGS	70101	PS-701-6	DETAILS OF TRAFFIC STRIPING FOR 2 LANE HIGHWAYS
62183	MH-621-2 (SHEET 1 OF 5)	DETAILS OF CONCRETE OR BRICK MANHOLE (TYPE L) CONSTRUCTED IN PLACE FOR 6" - 42" PIPE	70301	TCM-703 (SHEET 1 OF 2)	PAVEMENT LEGENDS AND MARKINGS
62184	MH-621-2 (SHEET 2 OF 5)	DETAILS FOR PRECAST AND BRICK & CONCRETE (CONSTRUCTED IN PLACE) MANHOLES FOR 6" - 84" PIPE	70302	TCM-703 (SHEET 2 OF 2)	PAVEMENT LEGENDS AND MARKINGS
62186	MH-621-2 (SHEET 4 OF 5)	DETAILS OF PRECAST CONCRETE MANHOLE (TYPE M) FOR 6" - 72" PIPE	70308	CW-703	TYPICAL CROSSWALK LAYOUTS AND DETAILS
62187	MH-621-2 (SHEET 5 OF 5)	DETAILS OF PRECAST CONCRETE MANHOLE (TYPE M) FOR 6" - 72" PIPE	71017	IHS-710-12	DETAILS OF ROADWAY SIGN POST (SMALL CHANNEL AND TUBULAR SECTION)
62307	623-XY	DETAILS OF CONCRETE CURBS AND CONCRETE CURB & GUTTER COMBINATIONS, SLOPING AND VERTICAL TYPES	71032	IHS-710-21	DETAILS FOR LOCATION AND MOUNTING STANDARD FLAT PANEL SIGNS ON U-CHANNEL AND TUBULAR POSTS
65901	ESC-509	DETAILS OF ROLLED AND HYDRAULIC EROSION CONTROL PRODUCT INSTALLATION	71035	IHS-710-23	LIGHTWEIGHT STRUCTURAL SIGN SUPPORT INSTALLATIONS
66501	ESC-100-1	BEST MANAGEMENT PRACTICE REFERENCE MATRIX	71066	SHS-7	STANDARD HIGHWAY SIGNS
66502	ESC-100-2	BEST MANAGEMENT PRACTICE REFERENCE MATRIX	71067	SHS-8	STANDARD HIGHWAY SIGNS
66505	ESC-200-1	TYPICAL TEMPORARY EROSION/SEDIMENT CONTROL APPLICATIONS	71079	SHS-17	STANDARD HIGHWAY SIGNS
66506	ESC-200-2	DETAILS OF TEMPORARY SLOPE DRAIN, BERMS AND ENERGY DISSIPATOR	71080	SHS-18	STANDARD HIGHWAY SIGNS
66507	ESC-200-3	DETAILS OF SEDIMENT BARRIER APPLICATIONS	71093	SHS-29	STANDARD HIGHWAY SIGNS
66508	ESC-200-4	DETAILS OF SILT FENCE INSTALLATION	73001	T.S.D.-730-1	POWER SOURCE DETAIL FOR TRAFFIC SIGNALS AND TRAFFIC SIGNAL POLES WITH LIGHTING
66509	ESC-200-5	DETAILS OF SEDIMENT RETENTION BARRIER	73005	T.S.D.-730-2A (SHEET 2 OF 3)	METAL TRAFFIC SIGNAL POLE AND LIGHTING INSTALLATION DETAILS
66512	ESC-300-1	DITCH CHECK STRUCTURES, TYPICAL APPLICATIONS AND DETAILS	73006	T.S.D.-730-2B (SHEET 3 OF 3)	METAL TRAFFIC SIGNAL POLE AND LIGHTING INSTALLATION DETAILS
66513	ESC-300-2	DETAILS OF HAY BALE DITCH CHECKS	73009	T.S.D.-730-4	TRAFFIC SIGNAL POLE FOUNDATION
66514	ESC-300-3	DETAILS OF SANDBAG DITCH CHECK	73021	T.S.D.-730-9	PEDESTRIAN SIGNAL INSTALLATION
66515	ESC-300-4	DETAILS OF EROSION CONTROL WATTLE DITCH CHECKS	73024	T.S.D.-730-9A	PEDESTRIAN POLE FOUNDATION AND BASES
66516	ESC-300-5	DETAILS OF SILT DIKE DITCH CHECKS	73027	T.S.D.-730-10	BASE AND POLE MOUNTED CONTROLLER CABINET INSTALLATIONS
66517	ESC-300-6	DETAILS OF ROCK DITCH CHECKS	73033	T.S.D.-730-12	VIDEO DETECTION SYSTEM INSTALLATION
66518	ESC-300-7	DETAILS OF ROCK DITCH CHECKS WITH SUMP EXCAVATION	73036	T.S.D.-730-13	JUNCTION BOX INSTALLATION
66519	ESC-300-8	DETAILS OF SILT FENCE DITCH CHECKS	73039	T.S.D.-730-14	TYPE 1 AND TYPE 5 ENCASMENT DETAILS
66522	ESC-400-1	INLET PROTECTION TYPICAL APPLICATIONS AND DETAILS	73081	TSOP NO.29	TRAFFIC SIGNAL OPERATING PLAN
66523	ESC-400-2	INLET PROTECTION DETAILS FOR COARSE AGGREGATE ON GRADES & SAGS	74001	B-107-2	PERFORATED SQUARE STEEL TUBING (PSST) BARRICADES TYPE I, TYPE II, AND TYPE III
66524	ESC-400-3	INLET PROTECTION DETAILS OF WATTLES			& VERTICAL PANELS TYPE I AND TYPE II
66525	ESC-400-4	INLET PROTECTION DETAILS OF SILT FENCE	74007	TCD-100	DETAILS FOR TRAFFIC CHANNELIZATION DEVICES
66526	ESC-400-5	INLET PROTECTION DETAILS OF SAND BAGS			



REVISIONS:

PLAN SUBMITTAL

PLANS PREPARED BY:

NOT TO SCALE

SHEET TITLE

ROUTE

GOODWYN MILLS CAWOOD, LLC

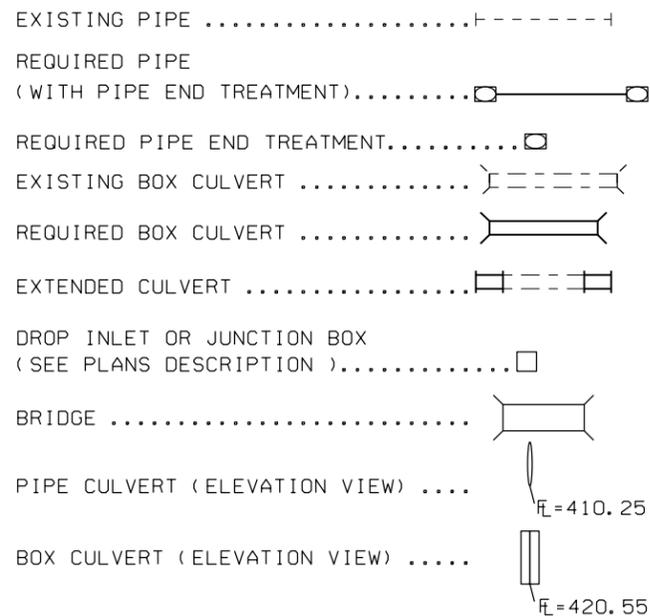
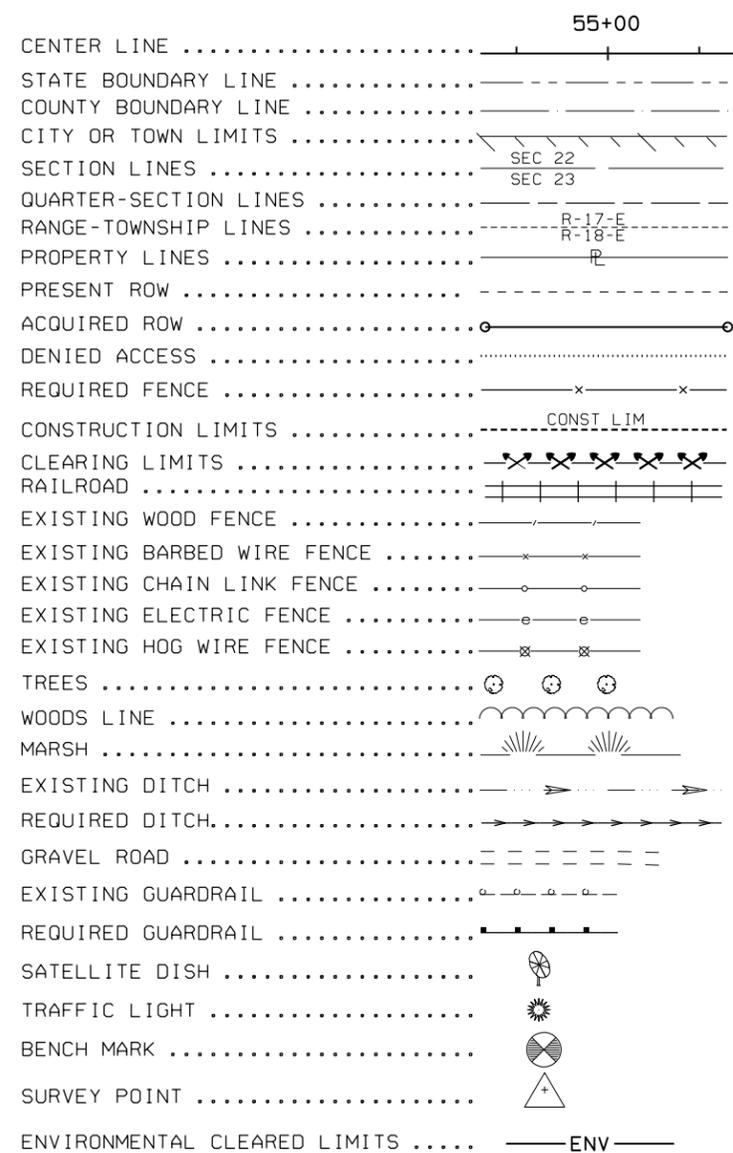
INDEX TO SHEETS, SPECIAL & STANDARD DRAWINGS

SR-4

# PLANS LEGEND SHEET

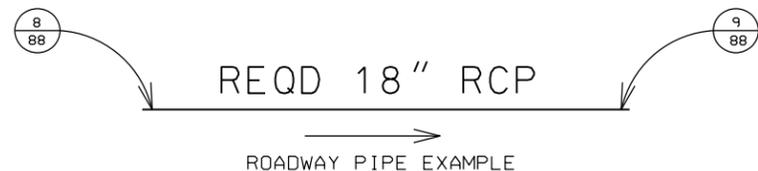
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
TAPAA-TA22(911)	2024	1B

## ROADWAY

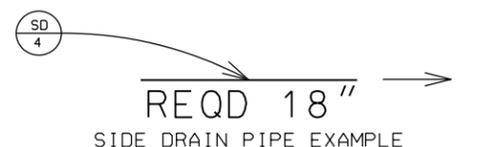


## DRAINAGE STRUCTURE INDEX NUMBERS

DRAINAGE STRUCTURE WRITE-UPS ARE LOCATED ON THE DRAINAGE CROSS-SECTION SHEETS. STRUCTURES WITH WRITE-UPS ARE INDEXED AT EACH END, WITH NUMBERS ASSIGNED BY DIRECTION OF FLOW. THE NUMBER IN THE UPPER HALF OF THE CIRCLE (EXAMPLE 8 OR 9) IS THE DRAINAGE STRUCTURE INDEX NUMBER. THE NUMBER IN THE LOWER HALF (EXAMPLE 88) IS THE SHEET REFERENCE NUMBER.

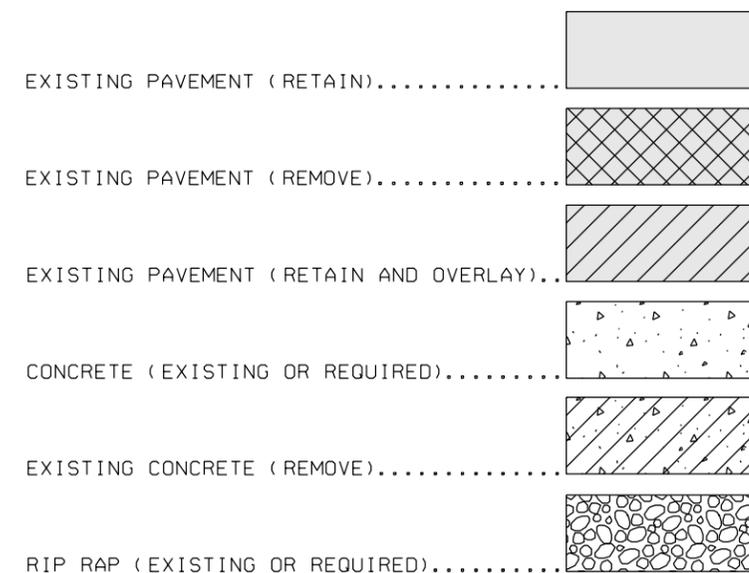
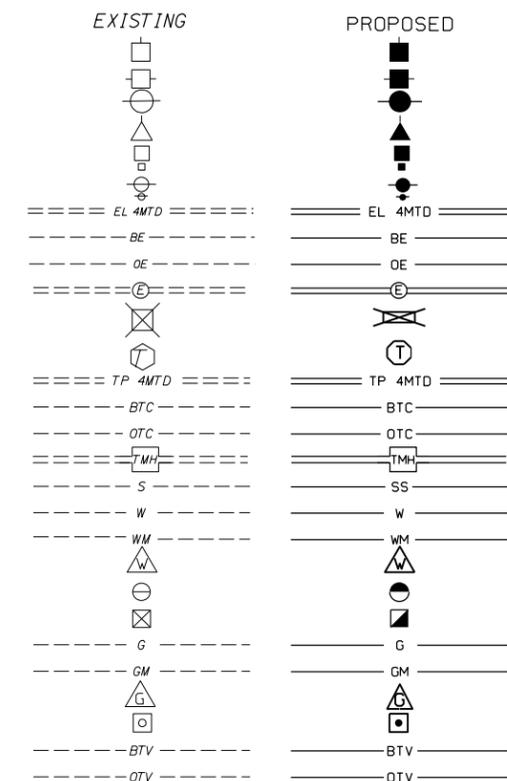
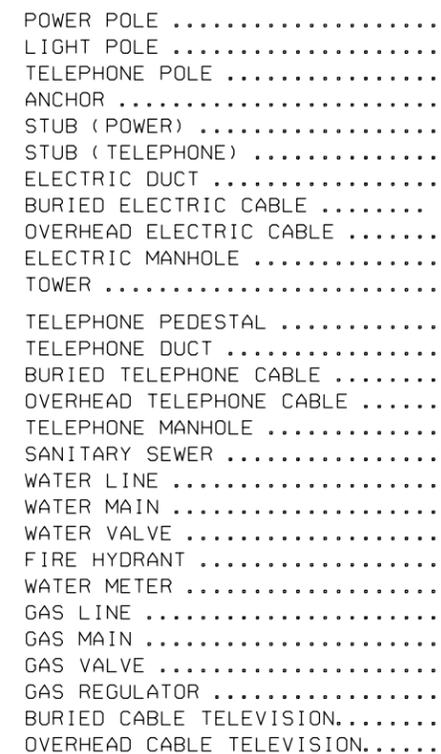


ALL INFORMATION CONCERNING THE DISPOSITION OF SIDE DRAIN PIPE IS SHOWN ON THE SUMMARY OF QUANTITIES BOX SHEET. THE TOP LETTERS (SD) ARE FOR SIDE DRAIN AND THE BOTTOM NUMBER IS THE DRAINAGE STRUCTURE INDEX NUMBER.



DIRECTION OF FLOW

## UTILITIES



# PLANS LEGEND SHEET ABBREVIATIONS

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
TAPAA-TA22(911)	2024	1C

ABANDON (ED).....	ABAN	FORESIGHT OR FRONTSIGHT.....	FST	PROJECT.....	PROJ	VOLUME.....	VOL
ABUTMENT.....	ABUT	FRACTIONAL.....	FRAC	PROJECT CONTROL.....	PJC	WEST.....	W
ACCELERATION.....	ACCL	FULL SUPERELEVATION.....	FS	PROPERTY LINE.....	PL	WEST BOUND ROADWAY.....	WBR
ACQUIRED.....	ACOD	GALLON.....	GAL	PROPOSED.....	PROP	WING WALL.....	WW
ACRE.....	AC	GASOLINE PUMPS.....	GPP	QUADRUPLE.....	QUAD	WITNESS CORNER.....	WC
AHEAD.....	AH	GARAGE.....	GAR	QUADRUPLE BARREL CULVERT.....	CO	WOOD.....	WD
ALABAMA.....	AL	GAUGE.....	GA	QUANTITY.....	QUANT	WORKING POINT.....	WP
ALABAMA DEPARTMENT OF TRANSPORTATION.....	ALDOT	GIRDER.....	GDR	RADIUS.....	R	WOVEN WIRE.....	W/W
ALTERNATE.....	ALT	GOVERNMENT.....	GOV	RAILROAD.....	RR	YARD.....	YD
APPROXIMATE (LY).....	APP	GRASS.....	GRS	RANGE.....	RGE		
AREA.....	A	GRADE CHANGE.....	GC	RECORD.....	REC		
ASPHALT.....	ASP	GRADE POINT.....	GP	REDUCTION.....	RED		
AVERAGE ANNUAL DAILY TRAFFIC.....	AAOT	GRADE ROD.....	GRD	REFERENCE.....	REF		
BACK.....	BK	GRAVEL.....	GRV	REFERENCE POINT.....	RP		
BACK OF GUARDRAIL.....	BK-GR	GUARDRAIL.....	GR	REFERENCE POINT FOR POINT ON TANGENT.....	RPPOT		
BACKSIGHT.....	BS	HEADWALL.....	HDWL	REINFORCED.....	REINF		
BARBED WIRE.....	B/W	HECTARE.....	HA	REINFORCED CONCRETE.....	RCDG		
BARREL.....	BBL	HIGH WATER MARK.....	HWM	REINFORCED CONCRETE DECK GIRDER.....	RCDG		
BARRIER.....	BAR	HEIGHT.....	HT	REINFORCED CONCRETE PIPE.....	RCP		
BASE LINE.....	B/L	HEIGHT OF INSTRUMENT.....	HI	REINFORCING STEEL.....	REINF		
BEARING.....	B/RNG	HIGHWAY.....	HWY	RELOCATE.....	RELOC		
BEGIN.....	BEG	HOGWIRE.....	H/W	REMOVE.....	REM		
BEGINNING OF PROJECT.....	BOP	HORIZONTAL.....	HOR	REQUIRED.....	REQD		
BETWEEN.....	BTW	HUB & TACK.....	H&T	RETAINING.....	RET		
BILLBOARD.....	BBD	HYDRANT.....	HYD	REVERSE CROWN.....	RCV		
BENCH MARK.....	BM	IMPACT ATTENUATOR.....	IA	REVISION.....	REV		
BITUMINOUS.....	BIT	IN ACCORDANCE WITH.....	I/A/W	RIGHT.....	RT		
BITUMINOUS COATED CORRUGATED METAL PIPE.....	BCCMP	IN PLACE.....	IN-PL	RIGHT AHEAD.....	RA		
BOUNDARY.....	BDY	INCHES.....	IN	RIGHT BACK.....	RB		
BRIDGE.....	BRG	INCLUDING.....	INCL	RIGHT OF WAY.....	ROW		
BRIDGE END SLAB.....	BES	INCORPORATED.....	INC	RIGHT OF WAY MARKER.....	ROWM		
CAPACITY.....	CAPY	INSTRUMENT.....	INST	RIVER.....	RIV		
CAST IRON.....	CI	ISLAND.....	ISL	ROAD.....	RD		
CAST IN PLACE.....	CIP	JOINT.....	JT	ROADWAY.....	RDWY		
CATCH BASIN.....	CB	JUNCTION.....	JCT	SECTION.....	SEC		
CENTER LINE.....	C/L	JUNCTION BOX.....	JB	SERVICE ROAD.....	SER RD		
CHAIN LINK.....	CLS	KILOMETER.....	KM	SHEET.....	SHT		
CLASS.....	CLS	KILOMETER POST.....	KMP	SHEET PILING.....	SHT PILE		
CONCRETE.....	CONC	KILOMETERS PER HOUR.....	KPH	SHOULDER.....	SHLD		
CONNECTION.....	CONN	LANE.....	LN	SIDE DRAIN.....	SD		
CONSTRUCTION LIMITS.....	CONST	LATITUDE.....	LAT	SIDEWALK.....	SW		
CORNER.....	COR	LEFT.....	LT	SIGHT DISTANCE.....	S DIST		
CORRECTION.....	CORR	LEFT AHEAD.....	LA	SINGLE BARREL CULVERT.....	CS		
CORRUGATED IRON.....	CORI	LEFT BACK.....	LB	SKEW.....	SK		
CORRUGATED METAL.....	CM	LENGTH OF CURVE.....	L	SLOPE STAKE.....	SST		
CORRUGATED METAL PIPE.....	CMP	LINK.....	LK	SOLID SODDING.....	SOL SOD		
CORRUGATED PLASTIC PIPE.....	CPP	LIMIT.....	LIM	SOUTH.....	S		
COUNTY.....	CO	LINEAR.....	LIN	SOUTH BOUND ROADWAY.....	SBR		
COUNTY ROAD.....	CO-RD	LINEAR FEET.....	LIN FT	SPECIAL.....	SP		
CREEK.....	CK	LONGITUDE.....	LONG	SPECIAL DITCH.....	SP-DT		
CROSS SECTION.....	X-SECT	MANHOLE.....	MH	SPECIAL DITCH LEFT.....	SDM		
CROWN REMOVED.....	CR	MARKER.....	MRK	SPECIAL DITCH MEDIAN.....	SDR		
CUBIC FEET.....	FT3	MAXIMUM.....	MAX	SPECIAL DITCH RIGHT.....	SP-DWG		
CUBIC FEET PER SECOND.....	CFS	MEAN HIGH WATER.....	MHW	SPECIAL DRAWING.....	SPC		
CUBIC YARD.....	YD3	MEAN LOW WATER.....	MLW	SPECIFICATIONS.....	SPC		
CUBIC METERS.....	M3	MEASUREMENT.....	MEAS	SPRING LINE.....	SL		
CULVERT.....	CULV	MEDIAN.....	MED	SPIRAL TO CURVE.....	SPC		
CULTIVATED.....	CULT	METER.....	M	SPIRAL POINT OF INTERSECTION.....	SPI		
CURB FACE.....	CF	MERIDIAN.....	MER	SPIRAL TO TANGENT.....	ST		
CURB AND GUTTER.....	C&G	MILE POST.....	MP	SQUARE.....	SQ		
CUT.....	C	MILES.....	MI	SQUARE FEET.....	SQ FT2		
CURVE TO SPIRAL.....	CS	MILES PER HOUR.....	MPH	SQUARE METERS.....	SQ M2		
DECELERATION.....	DECEL	MILLIMETER.....	MM	SQUARE YARD.....	SQ YD2		
DECLINATION.....	DECL	MINIMUM.....	MIN	STAKE.....	STK		
DEGREE OF CURVE.....	D	MONUMENT.....	MON	STANDARD.....	STD		
DENIED ACCESS.....	D/A	MULTIPLE.....	MULT	STANDARD DRAWING.....	STD-DWG		
DEPARTURE.....	DEP	NORMAL.....	NORM	STANDARD STRENGTH.....	STD STR		
DIAMETER.....	DIA	NORMAL CROWN.....	NC	STATION.....	STA		
DIRECTION.....	DIR	NORMAL CROWN SLOPE.....	NCS	STATION & ELEVATION.....	ST/E		
DISTANCE.....	DIST	NORTH.....	N	STATION & OFFSET.....	ST/O		
DOUBLE.....	DBL	NORTH BOUND ROADWAY.....	NBR	STOPPING SIGHT DISTANCE.....	SSD		
DOUBLE BARREL CULVERT.....	CD	NORTHING-EASTING.....	NE	STREET.....	ST		
DRAINAGE AREA.....	DA	NOT IN CONTRACT.....	NIC	STRUCTURE.....	STR		
DRIVE.....	DR	NOT TO SCALE.....	NTS	SUB-GRADE.....	SG		
DROP INLET.....	DI	NUMBER.....	NO	SUPERELEVATION.....	SE, se or e		
EACH.....	EA	OBSERVATION.....	OBS	SURVEY.....	SRV		
EASEMENT.....	EASMT	ON CENTER.....	OC	SYMMETRICAL.....	SYM		
EAST.....	E	ORIGINAL.....	ORIG	TANGENT.....	TAN		
EAST BOUND ROADWAY.....	E/BR	OVERHEAD.....	OHD	TANGENT LENGTH (CURVE DATA).....	T		
EDGE OF PAVEMENT.....	E/P	OVERHAUL.....	OH	TANGENT TO SPIRAL.....	TS		
ELEVATION.....	ELEV	OUT TO OUT.....	OO	TEMPORARY.....	TEMP		
END OF RETURN.....	E/R	PAINT.....	PNT	TEMPORARY BENCH MARK.....	TBM		
END ANCHOR.....	E/A	PAVED.....	PVD	THROAT.....	TH		
END OF PROJECT.....	E/OP	PAVED SHOULDER.....	PVD SH	TOWNSHIP.....	TSHP		
EQUATION.....	E/Q	PAVEMENT.....	PVMT	TRIPLE.....	TR		
EROSION CONTROL PRODUCTS.....	E/PCP	PIPE END TREATMENT.....	PET	TRIPLE BARREL CULVERT.....	CT		
EXCAVATION.....	EXCAV	PIPE ENTERING CULVERT.....	PEC	TURN OUT.....	TO		
EXISTING.....	EX	PLATE GIRDER.....	PL GDR	TURNING POINT.....	TP		
EXPANSION.....	EXP	POINT OF BEGINNING.....	PGB	TYPE.....	TY		
EXTENSION.....	EXT	POINT OF COMPOUND CURVE.....	PCC	UNIT.....	UNIT		
EXTERNAL.....	E	POINT OF CURVATURE.....	PC	UNKNOWN.....	UNK		
EXTRA STRENGTH.....	EXT STR	POINT OF REVERSE CURVATURE.....	PRC	UNPAVED.....	UNPVD		
FEET.....	FT	POINT OF ENDING.....	POE	VALLEY GUTTER.....	VG		
FILL.....	F	POINT OF INTERSECTION.....	PI	VARIABLE.....	VAR		
FILTER BLANKET.....	FLT BLNK	POINT OF TANGENCY.....	PT	VERTICAL.....	VERT		
FINISHED GRADE.....	FTG	POINT ON CURVE.....	POC	VERTICAL CURVE.....	VC		
FINISHED SURFACE.....	FTS	PRESENT.....	PR	VERTICAL POINT OF CURVATURE.....	PVC		
FISCAL YEAR.....	FTY	PROFILE GRADE.....	PG	VERTICAL POINT OF INTERSECTION.....	PVI		
FIXED.....	FTX			VERTICAL POINT OF TANGENCY.....	PVT		
FLAT BOTTOM.....	FB			VITRIFIED.....	VIT		
FLOW LINE.....	FL or FL						

### STRUCTURES

NUMBER OF STORIES.....	1, 2, 3, 4
FRAME.....	FR
BUILDING.....	BLDG
BLOCK.....	BLK
BRICK.....	BR
STUCCO.....	STU
METAL.....	MET
RESIDENCE.....	RES
BUSINESS.....	BUS
WAREHOUSE.....	WHSE
CHICKEN HOUSE.....	CH HSE
SCHOOL.....	SCH
DOUBLE WIDE MOBILE HOME.....	DW MH
MOBILE HOME.....	MH

### UTILITIES

ANCHOR WIRE.....	AW
BURIED ELECTRIC.....	BE
BURIED FIBER OPTIC.....	BFO
BURIED TELEPHONE CABLE.....	BTC
BURIED CABLE TELEVISION.....	BTVC
CAST IRON.....	CI
CIRCUIT.....	CKT
DUCTILE IRON.....	DUC IRON
EASEMENT.....	EASMT
FIBER OPTIC.....	FO
FIRE HYDRANT.....	FH
FORCED MAIN (SANITARY SEWER).....	FM
GAS MAIN.....	GM
GAS METER.....	GMET
GAS VALVE.....	GV
GUY WIRE.....	GUY
HIGH PRESSURE.....	HP
KILOVOLT AMPS.....	KVA
MANHOLE.....	MH
MERCURY VAPOR LIGHT.....	MVL
OVERHEAD FIBER OPTIC.....	OFO
OVERHEAD TELEPHONE CABLE.....	OTC
OVERHEAD ELECTRIC CABLE.....	OE
OVERHEAD CABLE TELEVISION.....	OTVC
PAIR.....	PR
PEDESTAL.....	PED
POLY-VINYL CHLORIDE PIPE.....	PVC
POWER POLE.....	PP
SANITARY SEWER.....	SS
SERVICE.....	SERV
STEEL.....	STL
STORM DRAIN.....	STM
STORM SEWER.....	STMS
SWITCH.....	SW
TELEPHONE.....	TEL
TELEPHONE MANHOLE.....	TMH
TRANSFORMER.....	TRAN
TRANSMISSION LINE.....	TR LN
TRIAXIAL CABLE (SERVICE).....	TRIX
VITRIFIED CLAY PIPE.....	VCP
WATER MAIN.....	WM
WATER METER.....	WMET
WATER VALVE.....	WV

### PROPERTY

DEED BOOK.....	DB
REAL PROPERTY BOOK.....	RP
PLAT BOOK.....	PB
MAP BOOK.....	MB
PAGE.....	PG
OFFICIAL RECORD.....	OR
CAPPED (TYPICAL PLASTIC SURVEYORS CAP).....	CAP
ALUMINUM CAP.....	ALUM CAP
BRASS CAP.....	BR CAP
IRON PIPE.....	IP
CRIMPED.....	CR
REINFORCING STEEL.....	REBAR
CONCRETE MONUMENT.....	CM
DAMAGED.....	DAM
CHISELED X.....	CH" X"
HUB AND TACK.....	H&T
NAIL AND BOTTLE TOP.....	N&BT
PARKER-KALON (MASONARY NAILS).....	PK NAIL
FENCE POST.....	F-POST
RAILROAD IRON.....	RR IRON
COTTON SPINDLE.....	COT SP
ANGLE IRON.....	ANGLE IRON



ALABAMA DEPARTMENT OF TRANSPORTATION

REVISIONS:

PLAN SUBMITTAL

PLANS PREPARED BY:  
GOODWYN MILLS CAWOOD, LLC

NOT TO SCALE

SHEET TITLE  
PLANS LEGEND SHEET ABBREVIATIONS

ROUTE  
SR-4

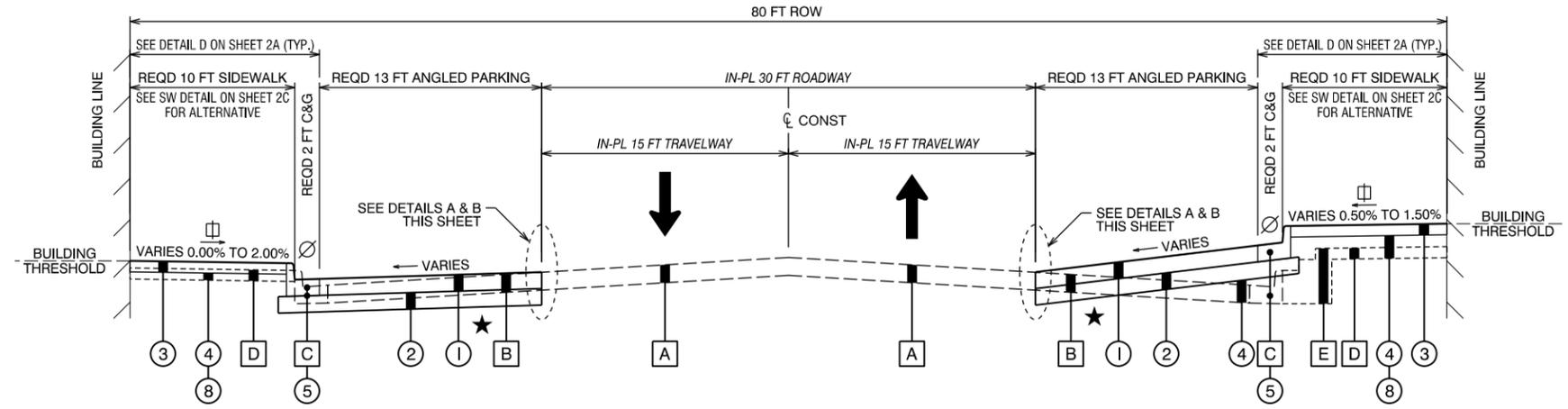


# TYPICAL SECTION

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
TAPAA-TA22(911)	2024	2

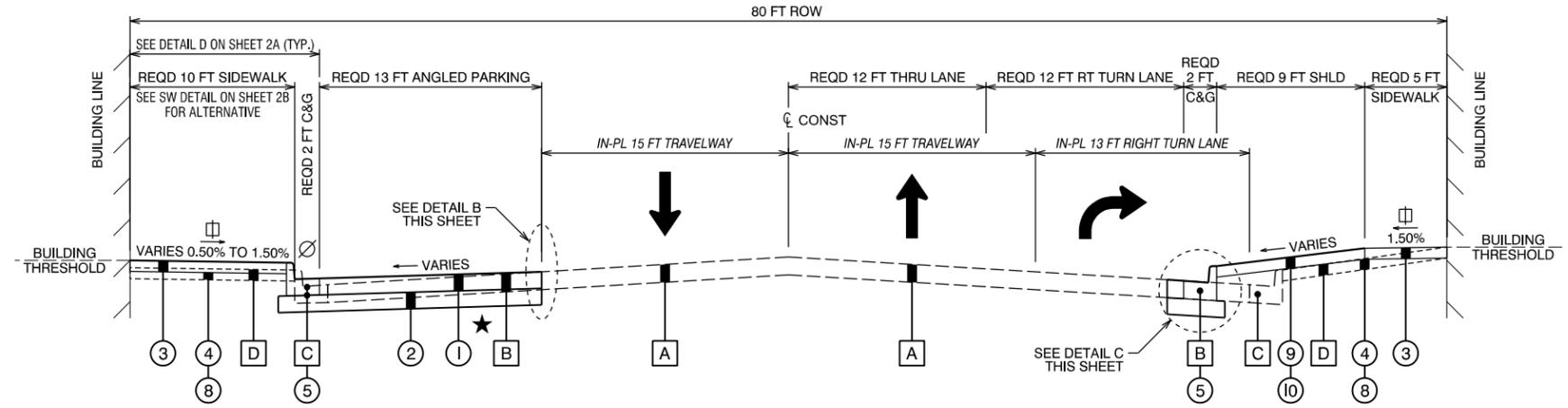
**PROJECT NOTES**

- 200
- 201
- 202
- 203
- 204
- 205



**TYPICAL SECTION TO BE USED FOR:**

PARKWAY DRIVE  
STA 8+00.00 TO STA 11+45.00  
STA 12+70.00 TO STA 16+00.00

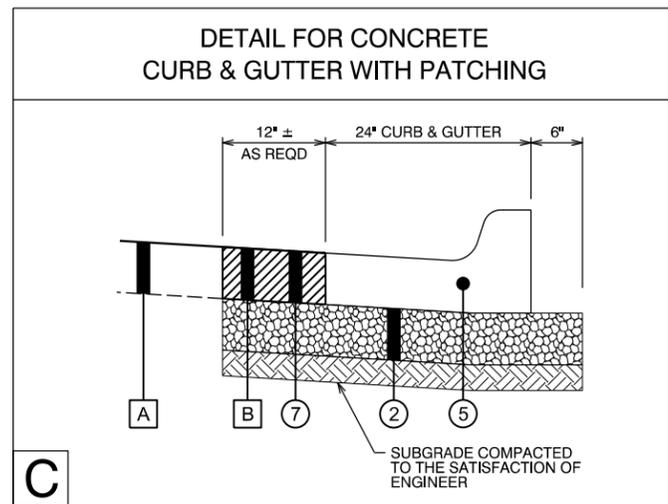
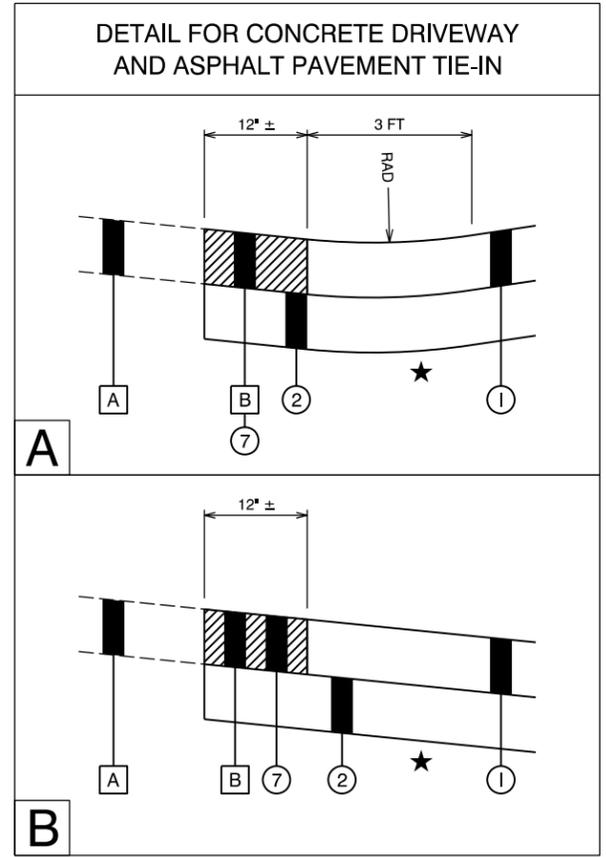


**TYPICAL SECTION TO BE USED FOR:**

PARKWAY DRIVE  
STA 11+45.00 TO STA 12+70.00

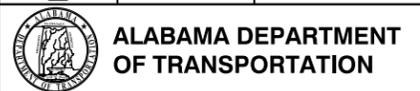
★ **SUBGRADE NOTE:**  
THE FINISHED SUBGRADE SHALL BE COMPACTED TO 100% OF AASHTO T-99. COST TO BE A SUBSIDIARY OBLIGATION OF PAY ITEM 305B-077.

∅ **NOTE:**  
LEGEND 5, ITEM 623C-003, SHALL BE POURED MONOLITHICALLY WITH LEGEND 3, ITEM 618A-000 AND/OR LEGEND 8, 620A-000.



**IN-PLACE AND REQUIRED MATERIALS LEGEND**

LEGEND	ITEM NO.	DESCRIPTION
①	618B-003	CONCRETE DRIVEWAY, 6" THICK (INCLUDES WIRE MESH)
②	305B-077	CRUSHED AGGREGATE, SECTION 825, FOR MISCELLANEOUS USE
③	618A-000	CONCRETE SIDEWALK, 4" THICK
④	210D-021	BORROW EXCAVATION (LOOSE TRUCKBED MEASUREMENT) (A4 OR BETTER)
⑤	623C-003	COMBINATION CURB & GUTTER, TYPE C (MODIFIED)
⑦	424B-654	SUPERPAVE BITUMINOUS CONCRETE UPPER BINDER LAYER, PATCHING, 3/4" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE C/D (665 LBS/SQ YD)
⑧	305A-052	SELECTED MATERIALS, SECTION 820, LOCAL SAND OR SAND-GRAVEL, FOR MISCELLANEOUS USE
⑨	660A-000	PLANT TOPSOIL (4 INCHES THICK)
⑩	654A-007	SOLID SODDING (TIFWAY 419 HYBRID BERMUDA, CYNADON HYBRID TIFWAY 419)
A	-----	EXISTING BITUMINOUS PAVEMENT (APPROXIMATELY 4.50 INCHES TO 9.25 INCHES THICK) (RETAIN)
B	-----	EXISTING BITUMINOUS PAVEMENT (APPROXIMATELY 4.50 INCHES TO 9.25 INCHES THICK) (REMOVE)
C	-----	EXISTING CURB OR CURB & GUTTER (REMOVE)
D	-----	EXISTING SIDEWALK (REMOVE)
E	-----	EXISTING CONCRETE STEPS (REMOVE)



REVISIONS:

PLAN SUBMITTAL

PLANS PREPARED BY:  
GOODWYN MILLS CAWOOD, LLC

NOT TO SCALE

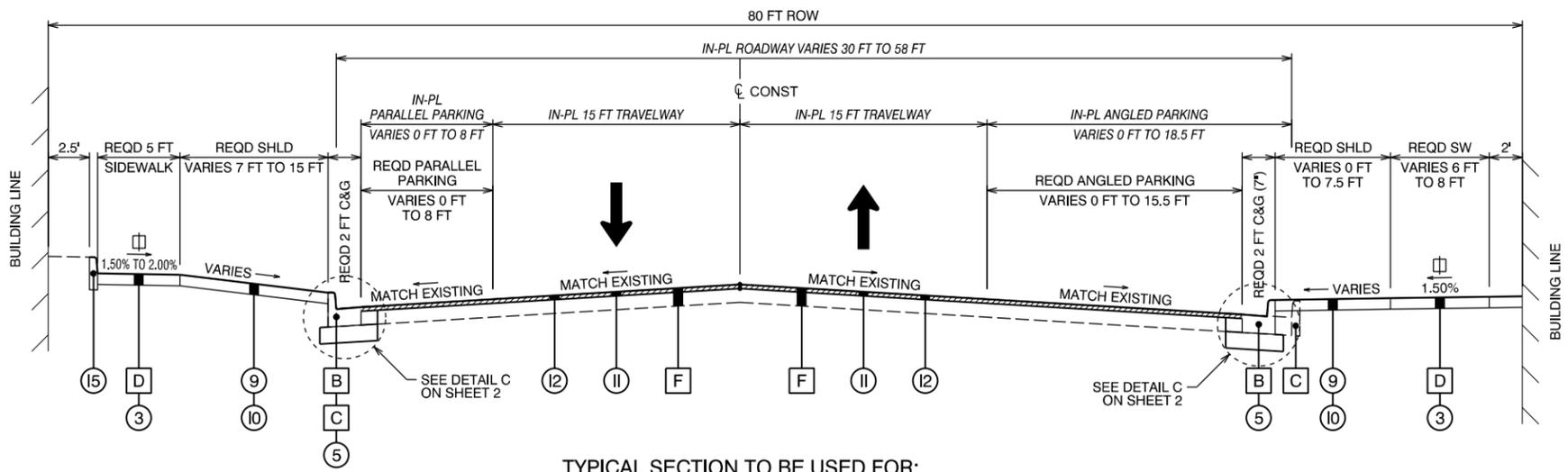
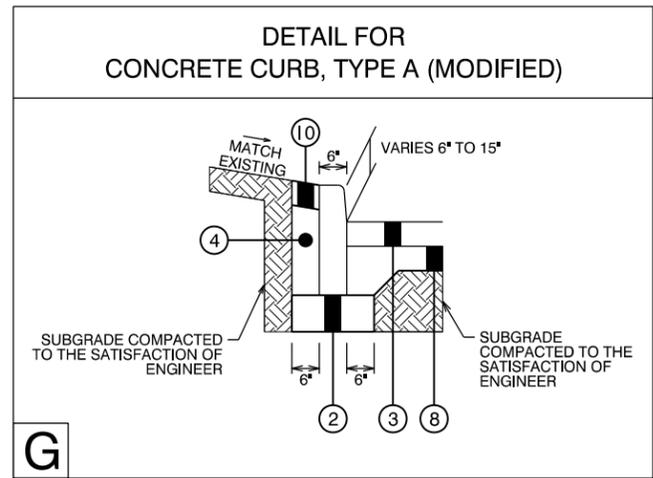
SHEET TITLE  
TYPICAL SECTION

ROUTE  
SR-4



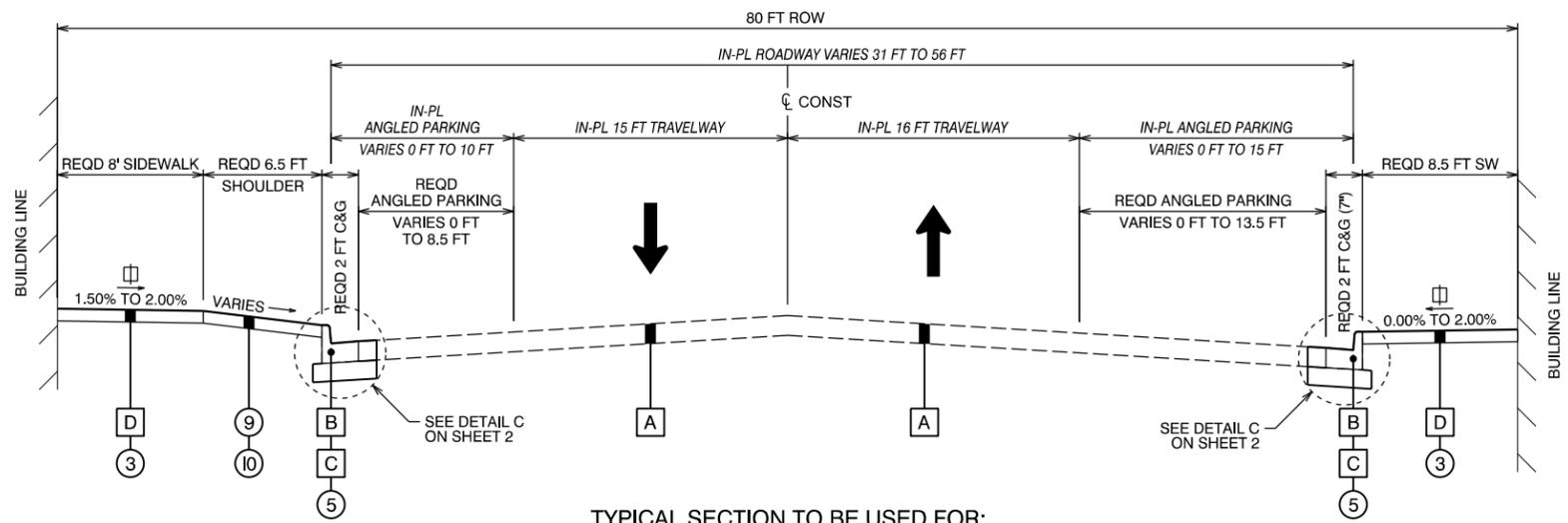
PROJECT NOTES

- 200
- 201
- 202
- 203
- 204
- 205



TYPICAL SECTION TO BE USED FOR:

9TH STREET  
STA 55+50.00 TO STA 57+50.00



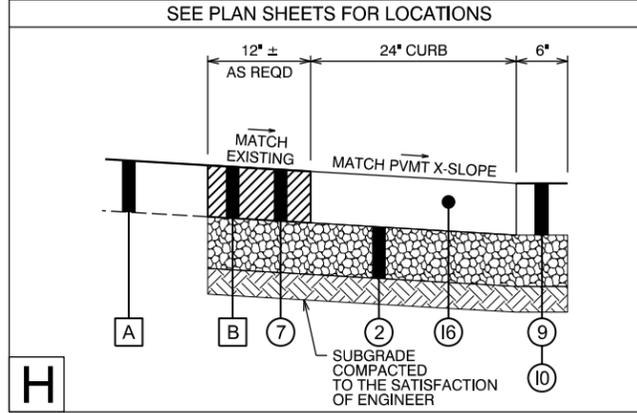
TYPICAL SECTION TO BE USED FOR:

9TH STREET  
STA 57+50.00 TO STA 61+15.00

IN-PLACE AND REQUIRED MATERIALS LEGEND

LEGEND	ITEM NO.	DESCRIPTION
②	305B-077	CRUSHED AGGREGATE, SECTION 825, FOR MISCELLANEOUS USE
③	618A-000	CONCRETE SIDEWALK, 4" THICK
④	210D-021	BORROW EXCAVATION (LOOSE TRUCKBED MEASUREMENT) (A4 OR BETTER)
⑤	623C-003	COMBINATION CURB & GUTTER, TYPE C (MODIFIED)
⑦	424B-654	SUPERPAVE BITUMINOUS CONCRETE UPPER BINDER LAYER, PATCHING, 3/4" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE C/D (665 LBS/SQ YD)
⑨	660A-000	PLANT TOPSOIL (4 INCHES THICK)
⑩	654A-007	SOLID SODDING (TIFWAY 419 HYBRID BERMUDA, CYNADON HYBRID 'TIFWAY 419')
⑪	408B-001	MICRO-MILLING EXISTING PAVEMENT (APPROXIMATELY 1.10" THRU 2.00" THICK) (MICRO-MILL 1.50")
⑫	424A-360	SUPERPAVE BITUMINOUS CONCRETE WEARING SURFACE LAYER, 1/2" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE C/D (165 LBS/SQ YD)
⑮	623B-121	CONCRETE CURB, TYPE A (MODIFIED)
⑯	623B-120	CONCRETE CURB, (TYPE SPECIAL)
A	-----	EXISTING BITUMINOUS PAVEMENT (APPROXIMATELY 4.50 INCHES TO 9.25 INCHES THICK) (RETAIN)
B	-----	EXISTING BITUMINOUS PAVEMENT (APPROXIMATELY 4.50 INCHES TO 9.25 INCHES THICK) (REMOVE)
C	-----	EXISTING CURB OR CURB & GUTTER (REMOVE)
D	-----	EXISTING SIDEWALK (REMOVE)
F	-----	EXISTING BITUMINOUS PAVEMENT (APPROXIMATELY 4.50 INCHES TO 9.25 INCHES THICK) (MILL, RETAIN, AND OVERLAY)

DETAIL FOR CONCRETE CURB, (TYPE SPECIAL) (RIBBON CURB)

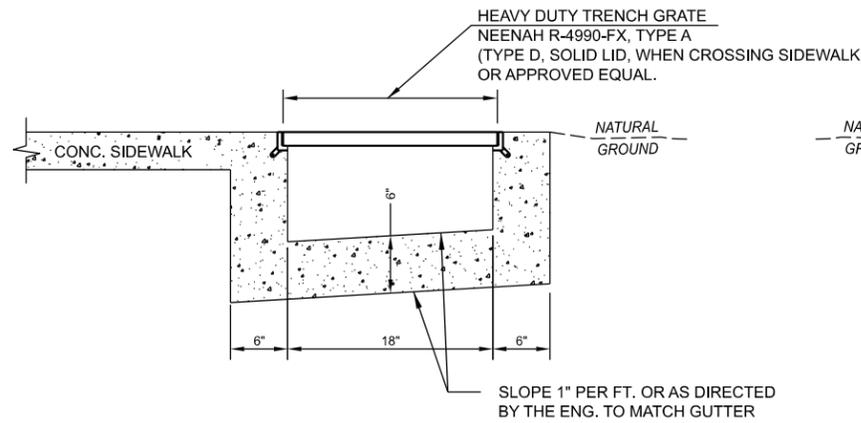


# MISCELLANEOUS DETAILS

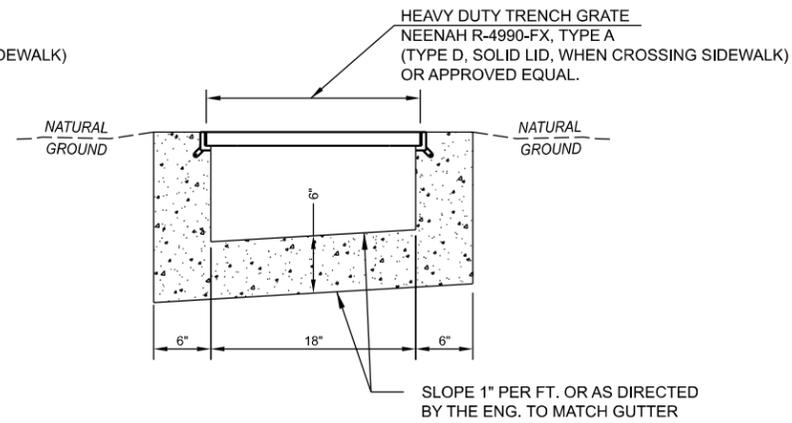
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
TAPAA-TA22(911)	2024	2C

**PROJECT NOTES**

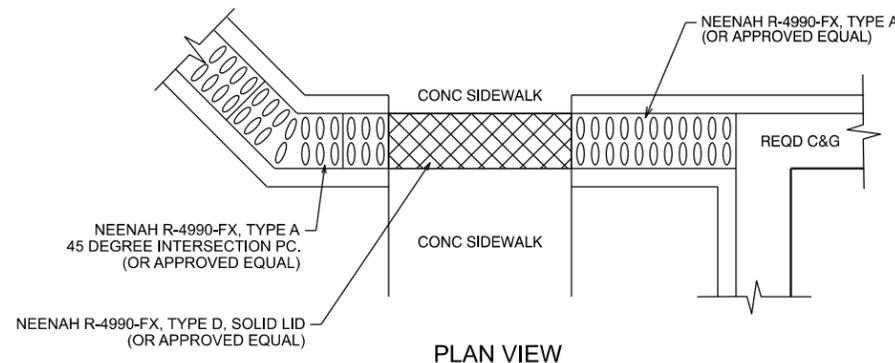
- 200
- 201
- 202
- 203
- 204
- 205



**CONCRETE SIDEWALK SECTION**



**GRASS SECTION**

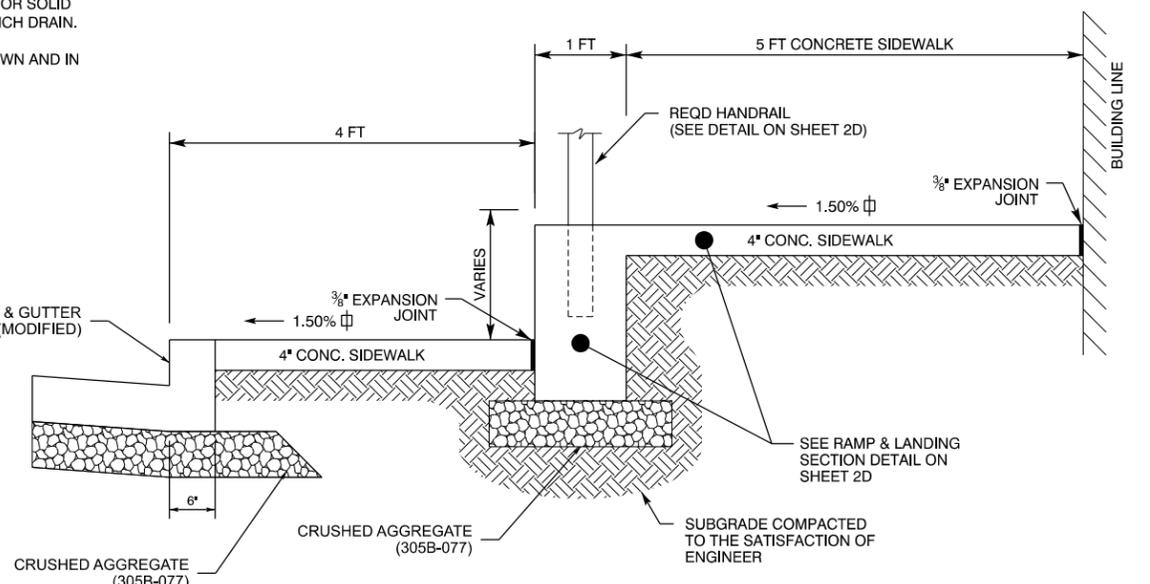


**PLAN VIEW**

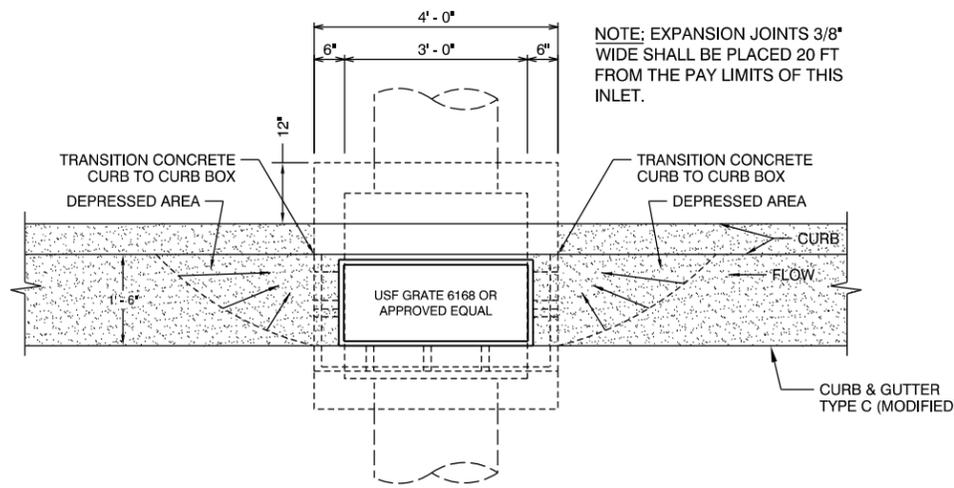
**NOTES:**

1. THE COST FOR THE CONCRETE GUTTER & THE CAST IRON TRENCH GRATE OR SOLID COVER SHALL BE INCLUDED IN THE COST FOR ITEM NO. 539A-007, 18" TRENCH DRAIN.
2. INSTALLATION OF THE TRENCH DRAIN GRATE OR COVER SHALL BE AS SHOWN AND IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

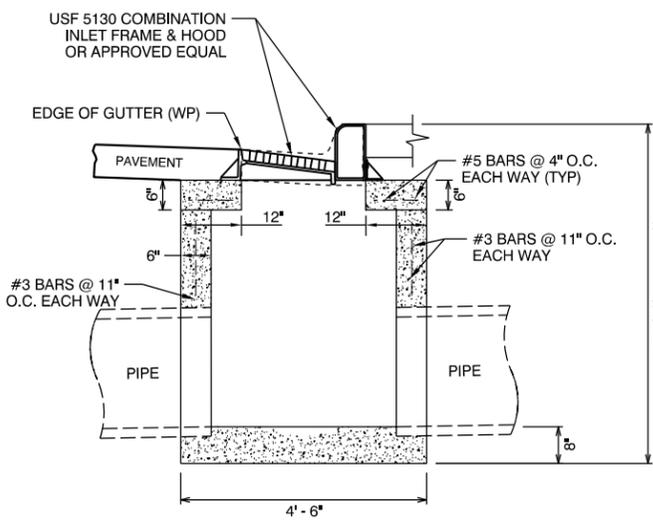
**DETAIL OF GUTTER TRENCH DRAIN & GUTTER DETAIL**



**DETAIL FOR CONCRETE SIDEWALK ALTERNATIVE: SIDEWALK WITH HANDRAIL AND RAMP AND LANDING SECTION**



**PLAN**



**TYPICAL SECTION**

**DETAIL OF CURB INLET, TYPE E (MODIFIED)**

REVISIONS:

PLAN SUBMITTAL

PLANS PREPARED BY:

GOODWYN MILLS CAWOOD, LLC

NOT TO SCALE

SHEET TITLE

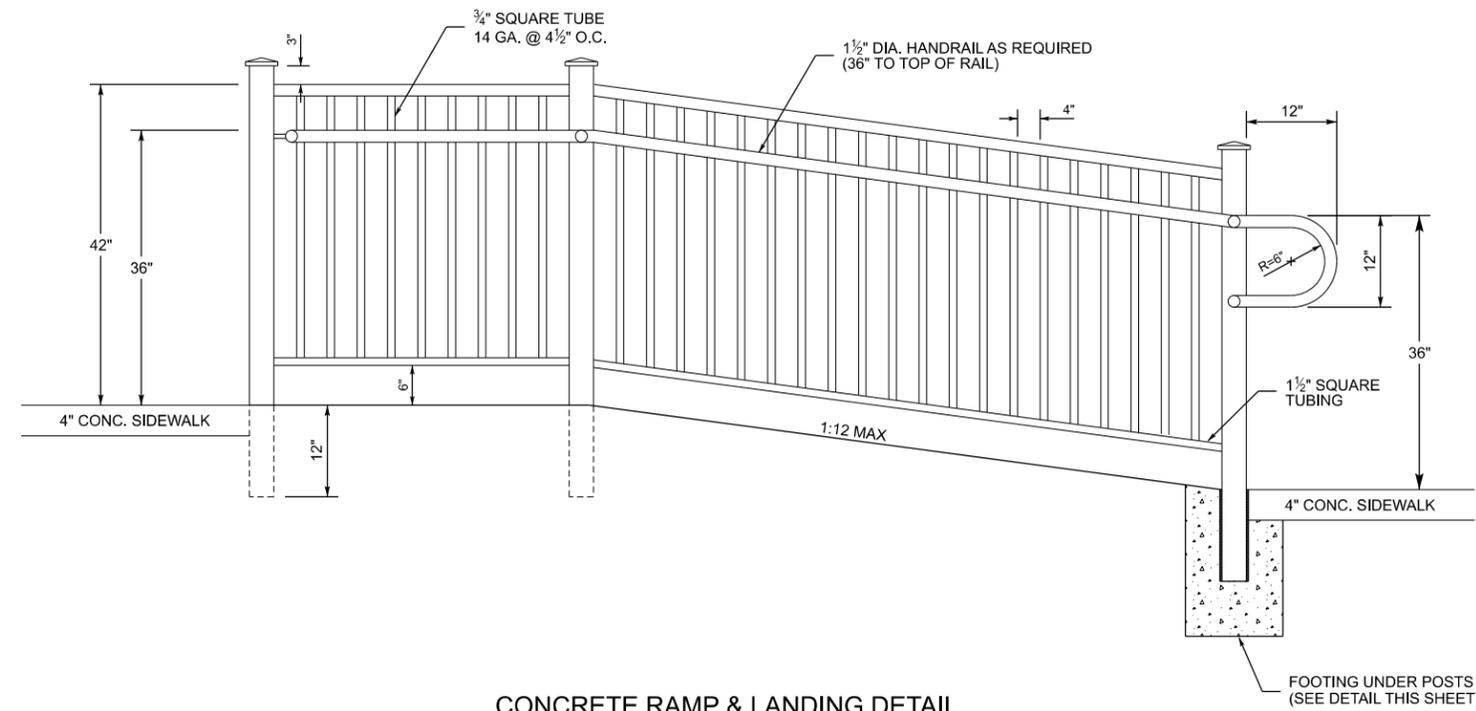
MISCELLANEOUS DETAILS

ROUTE

SR-4

# MISCELLANEOUS DETAILS

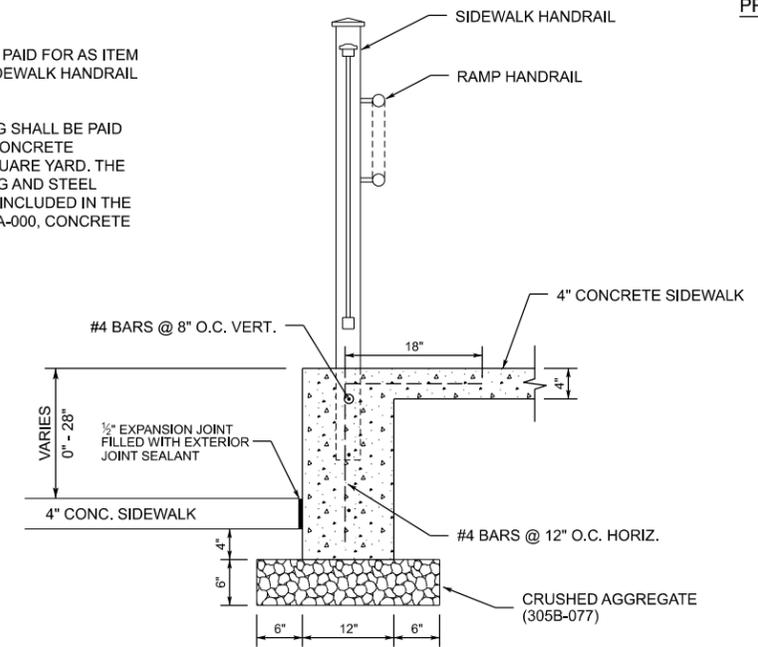
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
TAPAA-TA22(911)	2024	2D



**CONCRETE RAMP & LANDING DETAIL**

**NOTE:**

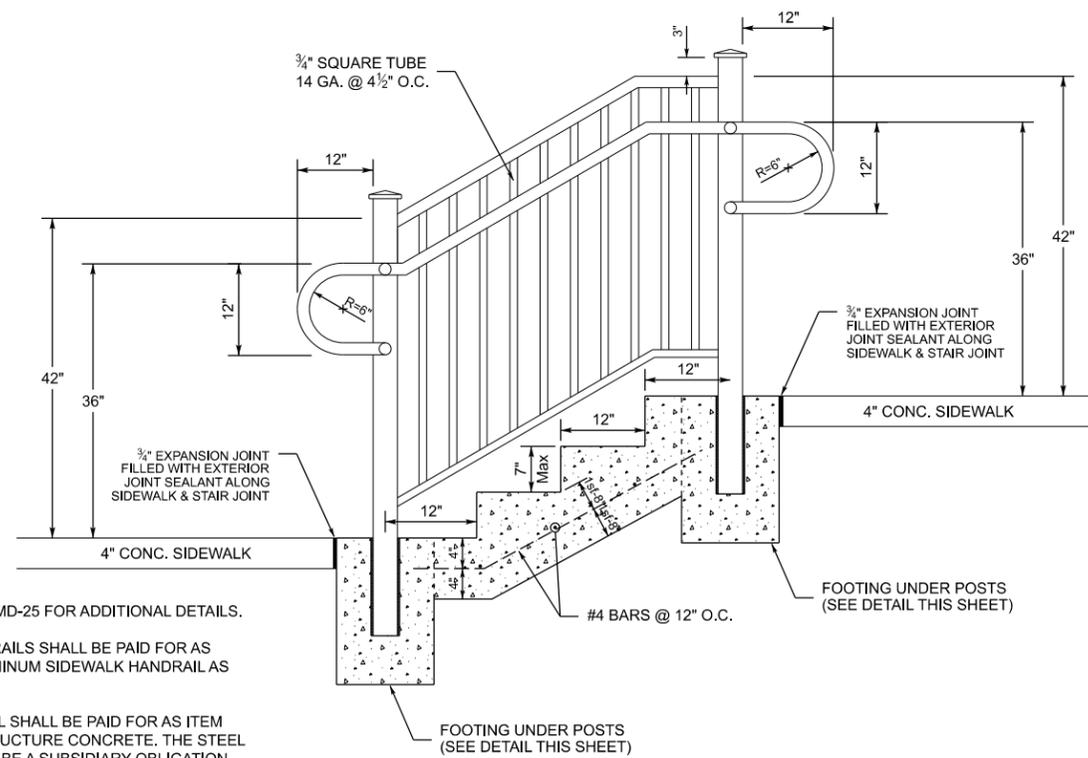
- RAMP HANDRAILS SHALL BE PAID FOR AS ITEM NO. 517D-001, ALUMINUM SIDEWALK HANDRAIL AS PER DETAIL BELOW.
- CONCRETE RAMP & LANDING SHALL BE PAID FOR AS ITEM NO 618A-000, CONCRETE SIDEWALK, 4" THICK PER SQUARE YARD. THE 12" VERTICAL WALL, FOOTING AND STEEL REINFORCEMENT SHALL BE INCLUDED IN THE PRICE BID FOR ITEM NO 618A-000, CONCRETE SIDEWALK, 4" THICK.



**RAMP & LANDING SECTION DETAIL**

**PROJECT NOTES**

- 200
- 201
- 202
- 203
- 204
- 205

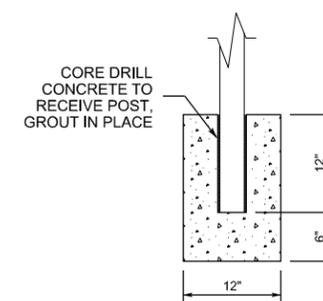


**CONCRETE STEP DETAIL**

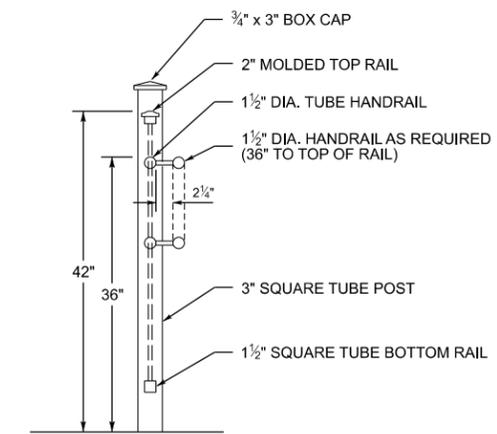
**NOTE:**

SIDEWALK HANDRAIL SHALL BE THE FOLLOWING PRODUCT (OR APPROVED EQUAL):

MANUFACTURER: DIGGER SPECIALTIES, INC.  
 MODEL: WESTBURY ALUMINUM RAILING  
 STYLE: TUSCANY SERIES, C10  
 COLOR: BLACK FINE TEXTURE



**POST FOOTING DETAIL**



**SIDEWALK HANDRAIL DETAIL**

**NOTE:**

- ALUMINUM HANDRAIL SHALL BE PRIMED AS REQUIRED AND THEN PAINTED ON SITE WITH APPROVED PAINT OR MAY BE FACTORY APPLIED POWDER COATING. POWDER COATING SHALL BE A MINIMUM OF AAMA 2604 COMPLIANT. COLOR TO BE VERIFIED BY SITE ENGINEER.
- SUBMIT SHOP DRAWINGS TO ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION.

**NOTES:**

- SEE SPECIAL DRAWING MD-25 FOR ADDITIONAL DETAILS.
- CONCRETE STEP HANDRAILS SHALL BE PAID FOR AS ITEM NO. 517D-001, ALUMINUM SIDEWALK HANDRAIL AS PER DETAIL.
- CONCRETE STEPS SHALL BE PAID FOR AS ITEM NO 620A-000, MINOR STRUCTURE CONCRETE. THE STEEL REINFORCEMENT SHALL BE A SUBSIDIARY OBLIGATION TO ITEM NO 620A-000, MINOR STRUCTURE CONCRETE.

# PROJECT NOTES

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
TAPAA-TA22(911)	2024	2E

- 200 ALL WORK SHALL MEET ADA (AMERICAN WITH DISABILITIES ACT) REQUIREMENTS. THE CROSS SLOPE OF NEW SIDEWALKS SHALL NOT EXCEED 2.0%. DUE TO CONSTRUCTION TOLERANCES THE CONTRACTOR IS ENCOURAGED TO CONSTRUCT THE CROSS SLOPES AT 1.5% OR FLATTER. THE SPOT ELEVATIONS SHOWN ON THE GRADING & DRAINAGE PLANS REPRESENT THE GENERAL INTENT FOR GRADING THE SIDEWALK, HOWEVER THE ACTUAL ELEVATIONS AT EACH LOCATION MAY VARY AS NEEDED TO FIT EXISTING CONDITIONS WHILE MAINTAINING ADA REQUIREMENTS. ACCEPTANCE OF ALL CROSS SLOPES WILL BE DETERMINED BY AN ELECTRONIC DIGITAL LEVEL UNLESS OTHERWISE DIRECTED BY THE ENGINEER. ALL SECTIONS OF NEW SIDEWALK THAT ARE CONSTRUCTED AT CROSS SLOPES GREATER THAN 2.0% WILL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE.
- 201 SPALLED AND CRACKED CONCRETE SURFACES WILL NOT BE ACCEPTED. THE ENTIRE SECTION OF CONCRETE WHERE CRACKING OR SPALLING HAS OCCURRED WILL BE REMOVED AND REPLACED TO NEAREST JOINTS. PARTIAL CUTOFF OF SECTIONS TO PATCH CONCRETE WILL NOT BE ACCEPTED.
- 202 WHERE NEW CURB AND GUTTER OR NEW CONCRETE DRIVEWAYS ITEMS ARE REQUIRED, THE EXISTING ASPHALT PAVEMENT SHALL REMOVED A DISTANCE OF ONE (1) FOOT FROM THE EDGE OF PAVEMENT. THE EXISTING PAVEMENT IN THE 1-FOOT WIDE STRIP SHALL BE REMOVED, ALLOWING FOR THE SMOOTH INSTALLATION AND CONSTRUCTION OF THE NEW CONCRETE CONSTRUCTION. THE 1-FOOT WIDE STRIP SHALL THEN BE PATCHED TO BRING IT FLUSH WITH THE EXISTING WEARING SURFACE.
- 203 THE CRUSHED AGGREGATE BASE MATERIAL, ITEM 305B-077, SHALL BE COMPACTED TO 100% OF AASHTO T-180 FOR ALL AREAS BELOW THE CONCRETE PAVEMENT SECTIONS. AREAS OUTSIDE OF THE CONCRETE PARKING SHALL BE COMPACTED TO THE SATISFACTION OF THE ENGINEER.
- 204 BRICK PAVERS SHALL BE SET ON A SAND LAYING COURSE THAT IS PLACED ON TOP OF THE UNDERLYING CONCRETE BASE LAYER. THE SAND LAYING COURSE SHALL BE A MINIMUM OF 1" THICK AND BE INCLUDED IN THE BID PRICE FOR PAY ITEM 613F-000. THE SAND LAYING COURSE SHALL MEET THE REQUIREMENTS FOR ALDOT #100 CONCRETE SAND IN ACCORDANCE WITH SECTION 802.09 OF THE CURRENT ALDOT SPECIFICATIONS OR AS REVIEWED AND APPROVED BY THE ENGINEER.
- 205 THE MATERIAL FOR PAY ITEM 305A-052 SHALL BE LOCAL SAND MEETING THE REQUIREMENTS OF SUBARTICLE 826.02(b) OF THE STANDARD SPECIFICATIONS. THIS MATERIAL SHALL BE USED AS DIRECTED BY THE ENGINEER AS NEEDED TO LEVEL THE SUBGRADE PRIOR TO CONSTRUCTING THE NEW CONCRETE SIDEWALK. NO SPECIFIC GRADATION IS REQUIRED, APPROVAL WILL BE BASED ON VISUAL ACCEPTANCE BY THE ENGINEER.
- 300 EROSION CONTROL ITEMS SHALL BE USED AT, BUT NOT LIMITED TO, THOSE LOCATIONS SHOWN ON THE EROSION CONTROL PLAN. THE REQUIRED QUANTITY AT EACH LOCATION MAY VARY FROM THAT SHOWN, THEREFORE, ALL EROSION AND SEDIMENT CONTROL ITEMS SHALL BE INSTALLED AS DIRECTED BY THE ENGINEER.
- 301 THE COST FOR REMOVAL AND DISPOSAL OF ANY ABANDONED UNDERGROUND UTILITIES, BLOCK WALLS, ROADWAY SIGNS, TREES, AND OTHER LANDSCAPING FEATURES SHALL BE PAID FOR AS A SUBSIDIARY OBLIGATION OF ITEM 206C-000, REMOVING CONCRETE SIDEWALK. OTHER ITEMS TO BE REMOVED THAT ARE NOT PROVIDED FOR BY PAY ITEM OR SPECIFICALLY MENTIONED BY NOTE TO BE INCLUDED IN OTHER ITEMS OF WORK SHALL BE REMOVED IN ACCORDANCE WITH THE REQUIREMENTS FOR EXTRA WORK GIVEN IN ARTICLE 104.03 OF THE STANDARD SPECIFICATIONS.
- 302 ANY REMOVAL OF EXISTING STRIPING AND MARKINGS SHALL BE A SUBSIDIARY OBLIGATION OF ITEM 703A-002, TRAFFIC CONTROL MARKINGS, CLASS 2, TYPE A. THE REMOVAL SHALL BE ACCOMPLISHED UTILIZING HYDROBLASTING ONLY.
- 303 ALL CONCRETE SIDEWALK SHALL HAVE A STANDARD BROOM FINISH.
- 304 THE TYPE E (MODIFIED) INLET SHALL BE MODIFIED AS NEEDED IN ORDER TO CONNECT THE NEW INLET TO THE EXISTING STORM PIPE THAT IS BEING RETAINED. MODIFICATIONS MAY INCLUDE ADJUSTMENTS TO THE SIZE OF THE INLET BOX, UTILIZING PORTIONS OF EXISTING BOXES OR ANY OTHER MODIFICATIONS DEEMED NECESSARY BY THE ENGINEER TO MAKE A PROPER CONNECTION TO THE EXISTING STORM SYSTEM. THESE MODIFICATIONS SHALL BE INCLUDED IN THE BID PRICE FOR THE INLET.
- 305 THE CONTRACTOR SHALL SAW CUT PORTIONS OF THE EXISTING PAVEMENT AS NECESSARY FOR THE INSTALLATION OF NEW GUTTER, CURB, CURB & GUTTER, CONCRETE SIDEWALK, AND CONCRETE DRIVEWAY. THE REQUIRED SAW CUTTING NEEDED FOR THE INSTALLATION OF THESE ITEMS SHALL BE A SUBSIDIARY OBLIGATION OF PAY ITEM 206C-001, REMOVING PAVEMENT. REMOVAL OF THE EXISTING PAVEMENT SHALL INCLUDE ALL ASPHALT, BRICK, CONCRETE, OR OTHER BASE TYPE MATERIALS ENCOUNTERED IN THE ROADWAY BUILDUP.
- 306 UNDERDRAIN PIPE MAY BE REQUIRED IN SOME AREAS AND SHALL BE PLACED AS DIRECTED BY THE ENGINEER (SEE DRAWING PU-606). THE UNDERDRAIN PIPE AND INSTALLATION SHALL BE PAID FOR AS ITEM 606A-016, 4" UNDERDRAIN PIPE.
- 307 THE EXACT LOCATION, ELEVATION, TYPES, AND SIZES OF SOME UNDERGROUND DRAINAGE ITEMS COULD NOT BE VERIFIED. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY SHOULD HE FIND DISCREPANCIES BETWEEN THE PLANS AND THE ACTUAL CONDITIONS ON SITE.
- 308 THE COST FOR THE REMOVAL AND DISPOSAL OF THE EXISTING HANDRAILS SHALL BE A SUBSIDIARY OBLIGATION OF PAY-ITEM 206C-000, REMOVING CONCRETE SIDEWALK.
- 309 ALL CURB, AND CURB & GUTTER REMOVAL SHALL BE PAID FOR AS PAY ITEM 206D-003, REMOVING CURB AND GUTTER.
- 310 THE CONTRACTOR SHALL USE PAY ITEM 674A-000 IN COMBINATION WITH PORTABLE WOODEN PLATFORMS AND HEAVY RUBBER MATS AS DIRECTED BY THE ENGINEER FOR THE PURPOSE OF PROTECTING THE WORK, DIRECTING PEDESTRIAN TRAFFIC SAFELY THROUGH THE CONSTRUCTION WORK AREAS, AND PROVIDING ACCESS TO ALL RESIDENCES AND BUSINESSES IN THE DEMOLITION AREAS. THE COST OF THE PORTABLE WOODEN PLATFORMS AND HEAVY RUBBER MATS SHALL BE A SUBSIDIARY OBLIGATION OF PAY ITEM 618A-00, CONCRETE SIDEWALK, 4" THICK.
- 311 THE CONTRACTOR SHALL INSTALL BRICK PAVER TRUNCATED DOMES AT ALL HANDICAP RAMPS IN ACCORDANCE WITH SPECIAL DRAWING SW-618 (BRICK PAVER OPTION). BRICK COLORS SHALL BE APPROVED BY THE CITY PRIOR TO INSTALLATION. ALL OF THIS WORK TO BE INCLUDED IN PAY ITEM 618C-001, DETECTABLE WARNING SURFACE.
- 312 RESETTING WATER METER BOXES AND VALVE BOX COVERS SHALL BE RAISED OR LOWERED AND PLACED FLUSH WITH THE NEW FINISHED GRADE OR AS DIRECTED BY THE ENGINEER. SHOULD ANY OF THESE ITEMS REQUIRE REPLACEMENT, THE UTILITY OWNER SHALL BE RESPONSIBLE FOR FURNISHING THE REPLACEMENT ITEM. IN SUCH A CASE, THE INSTALLATION OF THE REPLACEMENT ITEM SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE RESETTING OF THESE ITEMS SHALL BE PAID FOR UNDER THE APPROPRIATE RESET PAY ITEM.
- 313 THE CONTRACTOR'S GROSS RECEIPTS TAX IS NOT APPLICABLE ON THIS PROJECT.
- 314 THE CONTRACTOR SHALL REMOVE AND THEN RESET OR RELOCATE ALL EXISTING SIGNS THAT ARE IN CONFLICT WITH THE WORK. THE COST FOR THIS WORK SHALL BE A SUBSIDIARY OBLIGATION OF PAY ITEM 206C-000, REMOVING CONCRETE SIDEWALK.
- 315 ALL PVC DRAINAGE PIPES WITHIN THE DEMOLITION AREAS SHALL BE REMOVED UNLESS OTHERWISE NOTED OR DIRECTED BY THE ENGINEER. REMAINING SECTIONS OF PIPE TO BE ABANDONED SHALL BE PLUGGED OR CAPPED AT THE REMOVAL POINT. ALL OF THIS WORK SHALL BE A SUBSIDIARY OBLIGATION OF 206C-000, REMOVING CONCRETE SIDEWALK.
- 316 THE CONTRACTOR SHALL REMOVE THE EXISTING PLANTER BEDS WITHIN THE CONSTRUCTION LIMITS AND RETURN THEM TO THE CITY OF LEEDS AT A LOCATION DIRECTED BY THE ENGINEER. THE COST FOR THIS WORK SHALL BE A SUBSIDIARY OBLIGATION OF PAY ITEM 206C-000, REMOVING CONCRETE SIDEWALK.
- 317 THE CONSTRUCTION OF THE CONCRETE CURB CUT APRON CONNECTING TO THE PROPOSED TYPE PD INLET SHALL BE A SUBSIDIARY OBLIGATION OF PAY ITEM 621C-109, INLETS, TYPE PD.
- 400 THE DEMOLITION OF SIDEWALKS, CURB & GUTTER, ETC. SHALL BE ACCOMPLISHED IN A MANNER WHICH WILL PREVENT DAMAGE TO ADJACENT STRUCTURES. ANY DAMAGE THAT SHOULD OCCUR TO ANY EXISTING STRUCTURES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- 401 THE CONTRACTOR SHALL NOTIFY THE BUSINESS OWNER AT LEAST 48 HOURS PRIOR TO BEGINNING THE CONSTRUCTION OF DRIVEWAYS OR SIDEWALKS IN FRONT OF THEIR BUSINESS. THE CONTRACTOR SHALL PROVIDE ACCESS TO ALL BUSINESSES BEFORE LEAVING THE SITE EVERY DAY.
- 800 THE LOCATION OF EXISTING UTILITIES REPRESENTED IN THE PLANS ARE SHOWN IN AN APPROXIMATE MANNER ONLY. BEFORE COMMENCING WORK, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY OWNERS AND DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES ON THIS PROJECT WHETHER SHOWN ON THE PLANS OR NOT. THE LOCATION OF ANY REQUIRED GUARDRAIL, SIGNS, FOOTINGS, OR ANY NATURE AND/OR ELECTRICAL /COMMUNICATION CONDUITS MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER TO PREVENT ANY CONFLICT WITH THESE UTILITIES. THE CONTRACTOR AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UTILITIES.
- 801 THE EXISTING DECORATIVE PEDESTRIAN LIGHT POLES ALONG PARKWAY DRIVE WILL BE REMOVED BY THE ALABAMA POWER COMPANY (APCO) DURING THE DEMOLITION PHASE. THE CONTRACTOR WILL BE REQUIRED TO COORDINATE WITH APCO FOR THE TIMING OF THE LIGHT POLE REMOVALS. THE CONTRACTOR SHALL REMOVE THE SECTIONS OF CONCRETE SIDEWALK SURROUNDING THE LIGHT POLES AS NEEDED TO ASSIST APCO WITH THE POLE REMOVALS.
- APCO CONTACT: DYLAN JORDAN  
DISTRIBUTION ENGINEER  
TEL 205.226.1559  
DYJORDAN@SOUTHERNCO.COM
- 900 THE CONTRACTOR WILL BE THE NPDES PERMITTEE FOR THIS PROJECT. A NOTICE OF INTENT FOR NPDES PERMIT COVERAGE HAS BEEN FILED WITH ADEM. THE CONTRACTOR IS RESPONSIBLE FOR TRANSFERRING THE PERMIT AFTER PROJECT AWARD. ALL FEES ASSOCIATED WITH TRANSFERRING THE PERMIT WILL BE THE CONTRACTOR'S RESPONSIBILITY.
- 901 OMIT
- 902 OMIT
- 903 OMIT
- 904 OMIT
- 905 OMIT
- 906 THERE SHALL BE NO FUEL TANKS STORED ON THE RIGHT OF WAY, IN ADDITION, FUEL TRUCKS OR VEHICLES TRANSPORTING CHEMICALS, FERTILIZER, ETC., SHALL NOT BE LEFT UNATTENDED ON THE RIGHT OF WAY.



**ALABAMA DEPARTMENT OF TRANSPORTATION**

REVISIONS:

PLAN SUBMITTAL

PLANS PREPARED BY:

NOT TO SCALE

SHEET TITLE

ROUTE

GOODWYN MILLS CAWOOD, LLC

PROJECT NOTES

SR-4

# GENERAL TRAFFIC CONTROL PLAN NOTES

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
TAPAA-TA22(911)	2024	2F

○ DENOTES NOTES THAT APPLY TO THIS PROJECT

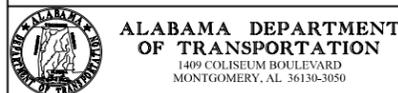
- 700 THE TRAFFIC CONTROL PLAN IS DEVELOPED IN CONFORMANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES PART 6, 2009 EDITION. THE TRAFFIC CONTROL DEVICES INDICATED REPRESENT CONDITIONS KNOWN DURING PLAN DEVELOPMENT. IN THE EVENT ACTUAL PHYSICAL CONDITIONS WARRANT ADDITIONAL TRAFFIC CONTROL DEVICES, THEY SHALL BE INSTALLED IN CONFORMANCE WITH THE M.U.T.C.D. PART 6 AS DIRECTED BY THE ENGINEER. COST SHALL BE PAID FOR UNDER THE APPROPRIATE PAY ITEM.
- 701 ALL BLACK ON ORANGE CONSTRUCTION SIGNS SHALL BE FABRICATED USING TYPE XI FLUORESCENT ORANGE REFLECTIVE SHEETING MATERIAL FOR THE SIGN BACKGROUND.
- 702 DURING NON-WORKING HOURS NO EQUIPMENT OR MATERIAL SHALL BE PARKED OR STORED CLOSER THAN 30 FEET TO THE EDGE OF ANY ROADWAY CARRYING TRAFFIC. WHEN THIS IS NOT PRACTICAL, IT SHALL BE PLACED IN AN AREA APPROVED BY THE ENGINEER AND DELINEATED BY REFLECTORIZED DRUMS. THIS INCLUDES STORAGE OF TRAFFIC CONTROL DEVICES SUCH AS TRAILER MOUNTED OR OTHER TEMPORARY SIGNS, BARRICADES, DRUMS, ETC., WHICH ARE NOT IN USE DURING NON-WORKING HOURS. TO BE FURNISHED BY THE CONTRACTOR WITHOUT COST TO THE ALDOT. (SEE SKETCH ON SHEET 36)
- 703 WHERE THE LOCATION OF A REQUIRED SIGN FALLS IN A DRIVEWAY, SIDEWALK, BRIDGE, ETC., OR WHERE THE VISIBILITY OF A SIGN IS LIMITED TO THE TRAVELING PUBLIC, THE LOCATION SHALL BE ADJUSTED AS DIRECTED BY THE ENGINEER.
- 704 THE CONTRACTOR IS TO REMOVE, RELOCATE OR COVER DURING CONSTRUCTION AND THEN RESET OR UNCOVER UPON COMPLETION OF A PARTICULAR SECTION ANY CONFLICTING IN-PLACE ROADWAY SIGNS AND DELINEATORS, AS DIRECTED BY THE ENGINEER. SIGNS REQUIRING REMOVAL SHALL BE STOCKPILED AS DIRECTED BY THE ENGINEER AND SHALL BECOME PROPERTY OF THE ALDOT. COST SHALL BE A SUBSIDIARY OBLIGATION OF ITEM 740B.
- 705 DURING ALL PHASES OF WORK, NON-APPLICABLE PAVEMENT STRIPING OR MARKINGS SHALL BE REMOVED AND APPROPRIATE PAVEMENT STRIPING OR MARKINGS SHALL BE PLACED AS EXPEDITIOUSLY AS PRACTICAL, BUT IN ALL CASES, SHALL BE IN PLACE BY NIGHTFALL ON ANY ROADWAY CARRYING TRAFFIC, EXCEPT ON SHORT TERM OPERATIONS WHERE IT IS DETERMINED BY THE ENGINEER, THAT SUCH REMOVAL AND REPLACEMENT IS MORE HAZARDOUS THAN LEAVING EXISTING MARKINGS IN PLACE. COST OF ANY REMOVAL SHALL BE PAID FOR UNDER ITEM 701D OR AS A SUBSIDIARY OBLIGATION OF ITEM 701C.
- 706 OMITTED
- 707 THE CONTRACTOR SHALL PLACE ALL ADVANCE WARNING SIGNS BEFORE PROCEEDING WITH HIS WORK. SIGNS SHALL BE PLACED IN ORDER, IN THE DIRECTION OF TRAFFIC AND REMOVED IN REVERSE ORDER.
- 708 ALL VEHICLES, EQUIPMENT, PERSONNEL (EXCEPT FLAGGERS), AND THEIR ACTIVITIES, ARE RESTRICTED AT ALL TIMES TO ONE SIDE OF THE PAVEMENT UNLESS OTHERWISE AUTHORIZED BY THE ENGINEER.
- 709 THE CONTRACTOR SHALL MAINTAIN AT LEAST ONE ACCESS TO BUSINESSES AND RESIDENCES DURING ALL PHASES OF CONSTRUCTION.
- 710 CONSTRUCTION SIGNS MOUNTED ON TEMPORARY SUPPORTS SHALL BE MOUNTED AT A MINIMUM HEIGHT OF 5 FEET.
- 711 FLAGGERS SHALL BE PROPERLY ATTIRED, EQUIPPED WITH STAFF MOUNTED STOP/SLOW PADDLES IN SIGHT OF EACH OTHER, OR HAVE DIRECT COMMUNICATION AT ALL TIMES. FLAGGER STATION LOCATION MAY BE VARIED FROM THOSE SHOWN BASED ON ROADWAY ALIGNMENT AND CONDITIONS AT THE TIME OF THE LANE CLOSURE.
- 712 FLAGGERS ARE TO BE USED WHEN DIRECTED BY THE ENGINEER. SIGNS SHALL BE PLACED AT THE APPROPRIATE TIME, AND SHALL BE COVERED OR REMOVED WHEN FLAGGERS ARE NOT ON DUTY AND DURING NON-WORKING HOURS.
- 713 FOR MOVING OPERATIONS, THE TRAFFIC CONES MAY BE DELETED IF THE FLAGGERS ARE IN SIGHT OF EACH OTHER, OR IF A PILOT CAR IS USED ON A TWO LANE ROADWAY.
- 714 OMITTED
- 715 ALL CONTRACTOR'S EMPLOYEES' PERSONAL VEHICLES, AND CONTRACTOR'S EQUIPMENT NOT IN OPERATION, SHALL BE PARKED A MINIMUM OF THIRTY (30) FEET FROM THE TRAVELED WAY DURING WORKING HOURS, AS NOT TO CREATE A HAZARD.
- 716 THE TRAFFIC CONTROL PLAN IS NOT ALL INCLUSIVE. THE TCP PROVIDES SEVERAL DETAILED DRAWINGS INDICATING THE TRAFFIC CONTROL NECESSARY FOR THE DIFFERENT CONSTRUCTION ACTIVITIES ANTICIPATED FOR THIS PROJECT. THE CONTRACTOR SHALL SELECT THE DETAILED DRAWING THAT BEST FITS THE ACTIVITY TO BE PERFORMED.
- 717 OMITTED
- 718 REQUIRED TEMPORARY ROUTE MARKER ASSEMBLIES THAT ARE TO BE LOCATED IN THE VICINITY OF EXISTING ROUTE MARKERS SHOULD BE PLACED ALONG SIDE OF THOSE ALREADY IN PLACE. SOME EXISTING ROUTE MARKERS MAY HAVE TO BE COVERED OR REMOVED, AS DIRECTED BY THE ENGINEER. COST SHALL BE A SUBSIDIARY OBLIGATION OF ITEM 740B.

- 719 RA-1 (REBUILD ALABAMA) SIGNS SHALL BE REQUIRED FOR EVERY PROJECT. RA-1 SIGNS SHALL BE PLACED AT THE BEGINNING OF THE WORK LIMITS OF THE SUBJECT PROJECT ROUTE. RA-1 SIGNS SHALL BE POSTED ON THE RIGHT-HAND SIDE OF THE ROADWAY ON THEIR OWN SUPPORT SYSTEM. THE RA-1 SIGNS SHALL BE REMOVED UPON COMPLETION OF THE PROJECT.
- 720 ALL TRAFFIC CONTROL DEVICES THAT ARE NOT APPLICABLE AT ANY SPECIFIC TIME SHALL BE COVERED OR REMOVED AS DIRECTED BY THE ENGINEER.
- 721 OMITTED
- 722 OMITTED
- 723 THE CONTRACTOR SHALL MAKE PROVISIONS FOR THE SAFETY OF PEDESTRIAN TRAFFIC CROSSING THE WORK ZONES DURING CONSTRUCTION.
- 724 OMITTED
- 725 ALL SIGNS SHALL BE POST-MOUNTED IF THE WORK PERIOD EXCEEDS FOUR DAYS, EXCEPT FOR THOSE SIGNS WHICH ARE MOUNTED ON BARRICADES. FOR REPEATED DAY OPERATIONS, SIGNS MAY BE MOUNTED ON TEMPORARY SUPPORTS AND REMOVED AT THE COMPLETION OF THE DAY'S OPERATION.
- 726 W8 SIGNS INTENDED TO WARN MOTORISTS OF SURFACE CONDITIONS EXTENDING FOR GREATER THAN 1 MILE SHALL BE PLACED PRIOR TO THE BEGINNING OF SURFACE CONDITION AND AT 1 MILE INCREMENTS THEREAFTER, WITH THE EXCEPTION SPECIFIED IN NOTE 727.
- 727 DURING THE WIDENING OR RESURFACING OF ANY ROADWAY CARRYING TRAFFIC, THE CONTRACTOR SHALL ADVISE THE MOTORISTS OF ANY EDGE OF PAVEMENT DROP-OFFS 3 INCHES OR GREATER BY PLACING SHOULDER DROP-OFF SIGNS EVERY ½ MILE BEGINNING PRIOR TO THE WIDENING OR RESURFACING. REQUIRED SHOULDER WORK TO ELIMINATE THE DROP-OFFS SHALL BE PURSUED IN AN EXPEDITIOUS MANNER FOLLOWING THE WIDENING AND/OR RESURFACING.
- 728 A DIFFERENCE IN ELEVATION OF APPROXIMATELY 2 INCHES OR LESS AT THE CENTERLINE MAY BE ALLOWED DURING NON-WORKING HOURS WITHOUT ADDITIONAL TRAFFIC CONTROL. SPECIAL CONDITIONS MAY EXIST WHERE PROTECTION SHOULD BE PROVIDED WHERE THE DIFFERENCE IS 2 INCHES OR LESS.
- 729 SIGNS ON TEMPORARY SUPPORTS ARE TO BE REMOVED OR COVERED WHEN NO WORK IS BEING PERFORMED OR AT THE COMPLETION OF THE DAY'S OPERATION.
- 730 OMITTED
- 731 OMITTED
- 732 CHANNELIZING DRUMS SHOULD BE PLACED ON 10 FOOT INTERVALS IN RADII.
- 733 CHANNELIZING DRUMS PLACED TO PROTECT COMPLETED WORK NOT OPEN TO TRAFFIC, SHOULD BE SPACED AT 50 FOOT INTERVALS.
- 734 CHANNELIZING DRUMS PLACED IN THE EXCAVATED AREA AHEAD OF PAVING OPERATIONS, SHOULD BE SPACED AT 50 FOOT INTERVALS.
- 735 CHANNELIZING DRUMS PLACED ON PAVEMENT DURING WORKING HOURS SHALL BE SHIFTED TO THE EDGE OF SHOULDER DURING NON-WORKING HOURS AND DURING PEAK PERIODS.
- 736 CHANNELIZING DRUMS SHOULD BE PLACED ON 25 FOOT INTERVALS THROUGHOUT ALL TAPERS.
- 737 CHANNELIZING DEVICES SHALL EXTEND TO A POINT WHERE THEY ARE VISIBLE TO APPROACHING TRAFFIC.
- 738 OMITTED
- 739 OMITTED
- 740 OMITTED
- 741 FOR DIVIDED ROADWAYS, THE REQUIRED ADVANCE WARNING SIGNS SHALL BE POSTED ON BOTH THE RIGHT AND LEFT SIDE OF THE ROADWAY.
- 742 THE CONTRACTOR SHALL CLOSE THE LANE ADJACENT TO THE WORK AREA ANYTIME WORK OUTSIDE THE EXISTING TRAVEL LANES ENCROACHES WITHIN 2 FEET OF THE EXISTING EDGE OF PAVEMENT.
- 743 OMITTED
- 744 THE TRANSITION TAPER LENGTH (L) IS SHOWN IN TABLE 6C-4, AND THE BUFFER LENGTH IS SHOWN IN TABLE 6C-2 OF THE MUTCD, PART 6, 2009 EDITION.
- 745 OMITTED
- 746 UNEVEN LANES SIGNS SHALL BE COVERED OR REMOVED WHEN NO UNEVEN PAVEMENT CONDITIONS EXIST.
- 747 MOVING OPERATIONS SHALL BE CONFINED TO ONE LANE IN THE DIRECTION OF TRAFFIC.

- 748 R16-3 (WHEN WORKERS ARE PRESENT BEGIN HIGHER FINES) AND R16-3A (END HIGHER FINES) SIGNS SHALL BE REQUIRED FOR EVERY PROJECT ON STATE ROUTES AND INTERSTATE HIGHWAYS. THESE SIGNS SHALL BE POSTED AT THE BEGINNING AND END OF THE PROJECT WITH AN R2-1 (REGULATORY SPEED SIGN) ALWAYS FOLLOWING THE R16-3 SIGN. R16-3B (HIGHER FINES ZONE) AND R2-1 SIGNS SHALL BE POSTED AT MAXIMUM INTERVALS OF THREE MILES THROUGHOUT THE PROJECT LIMITS.
- 749 WHEN A CONSTRUCTION WORK ZONE SPEED LIMIT REDUCTION IS NOT REQUIRED AT THE END OF THE WORK DAY, THE CONTRACTOR SHALL COVER OR REMOVE THE REDUCED R2-1 (REGULATORY SPEED SIGNS) AND THE W3-5B (REDUCED SPEED AHEAD) SIGNS UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- 750 DURING REPLACEMENT OF GUARDRAIL AND/OR GUARDRAIL END ANCHORS, A REFLECTORIZED DRUM SHALL BE PLACED BEFORE THE END OF ANY EXPOSED GUARDRAIL AT NIGHT WHERE THE GUARDRAIL END ANCHOR CANNOT BE REPLACED IN ONE DAY'S TIME.
- 751 CONSTRUCTION SIGNS MOUNTED ON A SINGULAR OR DUAL SQUARE TUBULAR OR U-CHANNEL POST SHALL BE INSTALLED AS SHOWN ON SPECIAL DRAWING NOS. IHS-710-21 AND IHS-710-23.
- 752 THE CONTRACTOR AND THE CONSTRUCTION ENGINEER SHALL DISCUSS AND PLAN FOR THE HANDLING OF TRAFFIC FOR ALL HOLIDAYS BEFORE ANY WORK BEGINS. UNLESS OTHERWISE PRE-APPROVED BY THE REGION ENGINEER, THE FOLLOWING SHALL HOLD:  
  
 THE CONTRACTOR SHALL NOT HAVE A LANE CLOSURE DURING THE FOLLOWING PERIODS UNLESS OTHERWISE DIRECTED BY THE ENGINEER OR ALDOT:  
  
 FOR CHRISTMAS AND NEW YEARS DAY:  
 FROM 11:59 PM DECEMBER 23 THROUGH 6:00 AM JANUARY 2.  
  
 FOR NATIONAL MEMORIAL DAY AND LABOR DAY:  
 FROM 12:00 NOON THE FRIDAY BEFORE THE HOLIDAY THROUGH 11:59 PM THE DAY OF THE HOLIDAY.  
  
 FOR INDEPENDENCE DAY (THE 4TH OF JULY):  
 FROM 12:00 NOON THE DAY BEFORE THE HOLIDAY THROUGH 11:59 PM THE DAY OF THE HOLIDAY.  
  
 FOR THANKSGIVING DAY:  
 FROM 12:00 NOON THE WEDNESDAY BEFORE THANKSGIVING DAY THROUGH 11:59 PM THE SUNDAY FOLLOWING THANKSGIVING DAY.  
  
 ANY OTHER STATE HOLIDAYS WILL BE HANDLED AS APPROVED BY THE PROJECT ENGINEER.  
  
 THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER AND LOCAL GOVERNMENT ON TRAFFIC AND/OR WORK RESTRICTIONS FOR LOCAL HOLIDAYS OR EVENTS NOT LISTED ON ALDOT'S LIST OF OFFICIAL STATE HOLIDAYS.

NOT TO SCALE

--SPECIFICATIONS--	
CURRENT ALABAMA DEPARTMENT OF TRANSPORTATION	
SPECIAL DRAWING NO	INDEX NO
SPECIAL PROJECT DETAIL	2000



THIS DRAWING REPRESENTS DESIGNS PREPARED FOR USE BY THE ALABAMA DEPARTMENT OF TRANSPORTATION AND IS NOT TO BE COPIED, REPRODUCED, ALTERED, OR USED BY ANYONE, OR ANY ORGANIZATION, WITHOUT THE EXPRESSED WRITTEN CONSENT OF THE ALABAMA DEPARTMENT OF TRANSPORTATION REPRESENTATIVE AUTHORIZED TO APPROVE THIS USE. ANYONE MAKING UNAUTHORIZED USE OF THIS DRAWING MAY BE PROSECUTED TO THE FULLEST EXTENT OF THE LAW.

**REVISIONS:**  
1. Modified Note 748 for the addition of the R13-3b sign on 9-28-2021 by D.J.W.  
2. Aligned text for Note 746 on 12-8-2021 by D.J.W.

Bureau Sd Engr: D.J.W.  
DRAWN BY: \_\_\_\_\_  
DATE DRAWN: \_\_\_\_\_  
REVISED DATE: 12-8-2021

DESIGN BUREAU SPECIAL DRAWING  
**GENERAL TRAFFIC CONTROL PLAN NOTES**

TRAFFIC SIGNAL PLAN NOTES

IN THE EVENT CONFLICTS OCCUR BETWEEN THE PROJECT TRAFFIC SIGNAL NOTES AND THE MUTCD, THE MUTCD WILL GOVERN.

○ NOTES THAT APPLY TO THIS PROJECT.

- 500. WHEN THE CONTROLLER IS IN THE FLASHING MODE, THE VEHICULAR SIGNAL HEADS SHALL FLASH YELLOW ON SR-4 (US-78/PARKWAY DRIVE), AND RED ON ALL CROSS STREETS, AND RED ON PROTECTED LEFT TURNS.
- 501. ALL EXISTING TRAFFIC CONTROL EQUIPMENT WHICH IS THE PROPERTY OF THE STATE INCLUDING SIGNAL HEADS, CONTROLLERS, POLES, AND MISCELLANEOUS HARDWARE SHALL BE REMOVED UPON COMPLETION OF THE NEW TRAFFIC CONTROL UNIT (TEMPORARY OR PERMANENT) AND STORED TO COMPLY WITH SECTION 730.03 OF THE STANDARD SPECIFICATIONS. THE SAME SHALL BE DELIVERED TO THE ALABAMA DEPARTMENT OF TRANSPORTATION AS DIRECTED BY THE ENGINEER.
- 502. ALL EXISTING TRAFFIC CONTROL EQUIPMENT WHICH IS THE PROPERTY OF THE CITY OF LEEDS INCLUDING SIGNAL HEADS, CONTROLLERS, POLES, AND MISCELLANEOUS HARDWARE SHALL BE REMOVED UPON COMPLETION OF THE NEW TRAFFIC CONTROL UNIT (TEMPORARY OR PERMANENT) AND STORED TO COMPLY WITH SECTION 730.03 OF THE STANDARD SPECIFICATIONS. THE SAME SHALL BE DELIVERED TO THE ALABAMA DEPARTMENT OF TRANSPORTATION AS DIRECTED BY THE ENGINEER.
- 503. THE LOCATION OF THE POWER SOURCE AS SHOWN IN THE PLANS IS APPROXIMATE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF THE POWER SOURCE AND THE SHORTEST ROUTE TO SERVE THE TRAFFIC SIGNAL CONTROLLER CABINET AND LUMINAIRES.
- 504. AS WORK BEGINS RELATED TO OR AFFECTING THE SIGNAL(S), WITHIN THE CONSTRUCTION LIMITS, THE CONTRACTOR SHALL ASSUME RESPONSIBILITY OF ALL EXISTING, TEMPORARY, AND REQUIRED SIGNAL(S). THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTINUAL OPERATION AND MAINTENANCE OF THE SIGNAL(S) UNTIL ALL SIGNAL WORK OR WORK AFFECTING THE SIGNAL(S) IS ACCEPTED BY THE ALABAMA DEPARTMENT OF TRANSPORTATION.
- 505. THE CONTRACTOR SHALL INSTALL TEMPORARY SIGNAL(S) AS REQUIRED BY THE TEMPORARY TRAFFIC SIGNAL PLAN LAYOUT OR THE TRAFFIC CONTROL PLANS. WHEN TEMPORARY SIGNAL(S) ARE NOT REQUIRED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MODIFYING AND ADJUSTING THE EXISTING AND/OR REQUIRED SIGNAL(S) SO THAT ALL LANE SHIFTS, CLOSURES, AND ANY OTHER CHANGES TO THE ROADWAY DURING CONSTRUCTION ARE CONTROLLED BY THE EXISTING AND/OR REQUIRED SIGNAL(S).
- 506. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES TO LOCATE ALL OVERHEAD AND UNDERGROUND UTILITIES, WHETHER SHOWN ON THE PLANS OR NOT. DAMAGE TO UTILITIES CAUSED BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE UTILITY COMPANY AND THE ENGINEER. THE CONTRACTOR SHALL BEAR ALL COST TO REPAIR ANY AND ALL DAMAGES TO THE UTILITIES CAUSED BY THE CONTRACTOR.
- 507. THE ALABAMA DEPARTMENT OF TRANSPORTATION RESERVES THE RIGHT TO RESPOND TO TRAFFIC CONTROL UNIT(S) MALFUNCTIONS IN AN EMERGENCY OR NATURAL DISASTER. IN DOING SO THE CONTRACTOR'S LIABILITY AND RESPONSIBILITY RELATED TO MAINTAINING THE TRAFFIC UNIT(S) OR SYSTEM REMAINS IN EFFECT.
- 508. THE CONTRACTOR SHALL HAVE THE APPROVAL OF THE ENGINEER PRIOR TO THE REMOVAL OF ANY EXISTING TRAFFIC CONTROL UNIT. THE CONTRACTOR SHALL NOT REMOVE AN EXISTING TRAFFIC CONTROL UNIT UNTIL THE REQUIRED TRAFFIC CONTROL UNIT IS INSTALLED AND COMPLETELY OPERATIONAL.
- 509. EACH REQUIRED TRAFFIC SIGNAL STRAIN POLE AND MAST ARM POLE MAY VARY IN LENGTH AND SIZE. THE CONTRACTOR SHALL ASCERTAIN THAT THE POLE HEIGHTS ARE SUFFICIENT TO PROVIDE THE REQUIRED VEHICULAR TRAFFIC SIGNAL CLEARANCE. EXTENSIONS FOR MOUNTING SIGNALS SHALL BE PROVIDED WHEN NECESSARY.
- 510. EACH MAST ARM MAY VARY IN LENGTH. THE CONTRACTOR SHALL ASCERTAIN THAT ALL ARM LENGTHS ARE SUFFICIENT SO THAT EACH VEHICULAR SIGNAL HEAD POSITION CONFORMS TO THE MUTCD.
- 511. THE TRAFFIC SIGNAL POLE LOCATION(S) AS SHOWN IN THE PLANS IS(ARE) APPROXIMATE. THE CONTRACTOR SHALL COORDINATE THE POLE LOCATION(S) WITH THE ENGINEER. THE CONTRACTOR SHALL ASCERTAIN THAT THE FINAL POLE LOCATION(S) PROVIDE FOR THE VEHICULAR TRAFFIC SIGNAL HEADS TO MEET THE DISTANCE REQUIREMENTS TO THE STOP LINE AS REQUIRED BY THE MUTCD. WHEN PEDESTRIAN SIGNAL HEADS AND/OR PEDESTRIAN CROSSWALKS ARE INVOLVED THE SAME SAID POLE LOCATION(S) SHALL ALSO CONFORM TO THE RELATIVE SECTIONS OF THE MUTCD.
- 512. THE CONTRACTOR SHALL LOCATE EACH REQUIRED AND RELOCATED VEHICULAR TRAFFIC SIGNAL HEAD ON THE SPAN WIRE OR MAST ARM SO THAT EACH HEAD IS LOCATED IN THE APPROACH LANE FOR WHICH IT APPLIES. LOCATION OF SIGNAL HEADS SHALL CONFORM TO THE MUTCD.
- 513. THE TRAFFIC SIGNAL STRAIN POLE LOCATION(S) AS SHOWN IN THE PLANS IS(ARE) APPROXIMATE. THE ENGINEER SHALL APPROVE ALL FOUNDATION LOCATIONS PRIOR TO THE CONTRACTOR EXCAVATING FOR EACH FOUNDATION.
- 514. BALANCE ADJUSTERS SHALL BE INSTALLED ON TRAFFIC SIGNAL HEADS FOR PROPER AIM. THE CONTRACTOR SHALL ALIGN THE SIGNAL HEADS IN ACCORDANCE WITH THE MUTCD AND TO THE SATISFACTION OF THE ENGINEER.
- 515. A 12 INCH DRIP COIL WITH 3 LOOPS SHALL BE PROVIDED TO THE RIGHTS OF EACH VEHICULAR TRAFFIC SIGNAL HEAD. A DRIP LOOP SHALL BE FORMED SO THAT WATER CANNOT ENTER THE ENTRANCE CLAMP. THE WIRE SHALL ENTER THE CLAMP FROM THE BOTTOM OF THE DRIP LOOP.
- 516. WHEN PVC CONDUIT IS USED FROM THE CONTROLLER TO THE STEEL STRAIN POLE OR MAST ARM POLE, THE CONTRACTOR SHALL BOND THE CONTROLLER TO THE POLE WITH A #6-1C BONDING CABLE.
- 517. MARKING/WARNING TAPE SHALL BE BURIED OVER CONDUIT. THE TAPE SHALL BE 4 INCH POLYETHYLENE, RED IN COLOR WITH BLACK LETTERING.
- 518. WHEN EXISTING LOOP WIRE AND VEHICLE LOOP DETECTORS ARE TO BE RETAINED AND REUSED, OR RELOCATED IN A NEW CONTROLLER CABINET, THE CONTRACTOR SHALL ASCERTAIN THE MANUFACTURER AND MODEL NUMBER OF EACH EXISTING DETECTOR AMPLIFIER AND PROVIDE A NEW WIRING HARNESS COMPLETELY WIRED IN THE CONTROLLER CABINET FOR EACH EXISTING DETECTOR AMPLIFIER.
- 519. WHEN SIGNAL TIMINGS ARE NOT INCLUDED IN THE PLANS FOR TIME BASE OR CLOSED LOOP SYSTEMS, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO HIRE A LICENSED PROFESSIONAL ENGINEER TO CALCULATE SIGNAL TIMINGS. THE COST OF CALCULATING SYSTEM TIMINGS SHALL BE A SUBSIDIARY OBLIGATION OF 730C.
- 520. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO HIRE A LICENSED PROFESSIONAL ENGINEER TO INPUT THE TIMINGS AND FINE TUNE THE TIMINGS. THE COST OF INPUTTING AND FINE TUNING TIMINGS SHALL BE A SUBSIDIARY OBLIGATION OF 730C.
- 521. THE AREA TRAFFIC ENGINEER ENGINEER SHALL BE RESPONSIBLE FOR INPUTTING AND FINE TUNING THE TIMINGS.
- 522. WHEN EXISTING SPAN WIRE THAT IS TO BE RETAINED HAS SAGGED, THE CONTRACTOR SHALL ADJUST THE SPAN WIRE SO THAT SIGNAL HEADS COMPLY WITH THE CLEARANCE SHOWN ON THE STANDARD DETAIL DRAWING.
- 523. A NOTICE OF INTENT FOR NPDES PERMIT COVERAGE HAS BEEN FILED WITH ADEM FOR THIS PROJECT. A COPY OF THE CONSTRUCTION BEST MANAGEMENT PRACTICES PLAN (CBMPP) IS AVAILABLE THROUGH OFFICE ENGINEER PRIOR TO BIDDING.
- 524. THE CONTRACTOR SHALL PROVIDE A SET OF AS-BUILT PLANS TO THE AREA TRAFFIC ENGINEER.
- 525. THE CONTRACTOR SHALL INSTALL BACKPLATES WITH A 2 INCH FLUORESCENT YELLOW REFLECTIVE BORDER ON ALL EXISTING AND REQUIRED SIGNAL HEADS AS SHOWN ON PLANS. BACKPLATES ON REQUIRED SIGNAL HEADS SHALL BE PAID FOR AS A SUBSIDIARY OF 730P. BACKPLATES ON EXISTING SIGNAL HEADS SHALL BE PAID FOR AS A SUBSIDIARY OF 730Q.
- 526. WHEN LUMINAIRES PAID FOR AS A SUBSIDIARY OF 730N ARE INCLUDED, THE RELATED PHOTODECTORS MAY BE MOUNTED ON THE TOP OR SIDE OF THE SIGNAL CABINET WHERE NO SHADOWS ARE EXPECTED TO BE CAST ON THE CABINET THAT WOULD IMPAIR THE FUNCTION OF THE PHOTOCCELL WHEN COMPARED TO MOUNTING ON THE DISCONNECT POLE IN ITS TRADITIONAL LOCATION. WHERE THE EFFECT OF SHADOWS IS UNCERTAIN, THE CONTRACTOR SHALL MOUNT THE PHOTODECTOR IN ITS STANDARD LOCATION.
- 527. WHEN IMSA SIGNAL CABLE 20-1 IS USED THAT IS 7C OR LARGER, CONTRACTOR SHALL CLEARLY TAG AND MARK IN THE CONTROLLER CABINET THE SIGNAL INDICATION EACH CONDUCTOR CONNECTS TO WHERE THE CONDUCTOR JACKET DOES NOT MATCH IN COLOR THE ASSOCIATED SIGNAL HEAD COLOR.
- 528. THE TRAFFIC SIGNAL SHALL NOT REMAIN INOPERABLE FOR A SINGLE PERIOD OF TIME IN EXCESS OF 8 HOURS.
- 529. THE INSTALLER SHALL PROVIDE TWO UNIFORMED POLICE OFFICERS FOR TRAFFIC CONTROL PURPOSES DURING TIMES WHEN THE TRAFFIC SIGNAL IS OUT OF OPERATION.
- 530. ALL REQUIRED TRAFFIC SIGNAL CONTROLLER EQUIPMENT SHALL BE COMPATIBLE WITH THE CURRENT STANDARDS FOR THE ALDOT RTOP PROGRAM. THE TRAFFIC SIGNAL CONTROLLER SHALL BE AN ECONOLITE COBALT ATC.
- 531. THE SIGNAL CONTROLLER CABINET DOOR SHALL BE ORIENTED SO WHEN THE CABINET DOOR IS OPEN THE TRAFFIC SIGNALS ARE VISIBLE TO THE SIGNAL TECHNICIAN.

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
TAPAA-TA22(911)	2024	2H

INTELLIGENT TRANSPORTATION SYSTEMS (ITS) PLAN NOTES  
 IN THE EVENT CONFLICTS OCCUR BETWEEN THE ITS PLAN NOTES  
 AND THE MUTCD, THE MUTCD WILL GOVERN.

 NOTES THAT APPLY TO THIS PROJECT.

- |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>1100 THE LOCATION OF THE POWER SERVICE AS SHOWN IN THE PLANS IS APPROXIMATE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF THE POWER SERVICE AND THE SHORTEST ROUTE TO SERVE THE ITS CABINET AND DEVICES. THE CONTRACTOR SHALL HAVE THE POWER SERVICE LOCATION(S) APPROVED BY THE ENGINEER PRIOR TO INSTALLING POWER SERVICE.</p> <p>1101 IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY OWNERS OR LINE LOCATION SERVICE TO DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES ON THIS PROJECT, WHETHER SHOWN ON PLANS OR NOT. DAMAGE TO UTILITIES CAUSED BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE UTILITY COMPANY AND THE ENGINEER. THE COST OF SUCH REPAIRS SHALL BE BORNE BY THE CONTRACTOR.</p> <p>1102 THE LOCATION OF ANY REQUIRED COMMBOXES AND/OR ELECTRICAL/FIBER CABLE CONDUITS MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER TO PREVENT ANY CONFLICTS</p> <p>1103 THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRS OF DAMAGE TO AND ROADWAY, LIGHTING, OR BRIDGE ELEMENTS THAT OCCUR DURING THE CONSTRUCTION OF THIS PROJECT DUE TO HIS OPERATIONS. THE METHOD OF REPAIR SHALL BE APPROVED BY THE ENGINEER PRIOR TO REPAIRS BEING DONE. ANY COST OF SUCH REPAIRS SHALL BE BORNE BY THE CONTRACTOR.</p> <p>1104 THIS PROJECT SHALL BE LIMITED TO ZERO (0) END-TO-END SPLICES OF THE ( ) FIBER SINGLE MODE FIBER OPTIC CABLE AT LOCATIONS SELECTED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER. "END-OF-DAY" CABLE CUTS AND SPLICING ARE NOT PERMITTED.</p> <p>1105 AT FIBER OPTIC CABLE END-TO-END SPlice LOCATION(S) AND AT FIBER OPTIC CABLE END-OF-RUN LOCATION(S), THE CONTRACTOR SHALL PROVIDE A COMPLETE FUSION SPlice INSTALLATION. FUSION SPlice INSTALLATION SHALL BE EQUIPPED WITH SPlice CLOSURE AND SPlice TRAY (AND F2 COMMBOX IF CABLE IS BURIED AT SPlice LOCATION).</p> <p>1106 CONTRACTOR SHALL PROVIDE ACCURATE 'AS-BUILT' PLAN SET AND SPlice CHARTS AS PART OF THE PROJECT ACCEPTANCE PROCESS. THE ENGINEER SHALL VERIFY THE ACCURACY OF THE DRAWINGS PRIOR TO ACCEPTANCE.</p> <p>1107 PRIOR TO INSTALLATION OF FIBER OPTIC CABLE, THE CONTRACTOR SHALL COORDINATE FIBER ALLOCATIONS WITH THE ENGINEER. THE CONTRACTOR SHALL HAVE ALL SPlice CHARTS APPROVED BY THE ENGINEER PRIOR TO INSTALLING FIBER OPTIC CABLE. IF THE CONTRACTOR INSTALLS FIBER OPTIC CABLE PRIOR TO THE ENGINEER'S APPROVAL OF SPlice CHARTS, THE CONTRACTOR SHALL</p> <p>1108 THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER FOR APPROVAL ALL ANCHORS, MOUNTING BRACKETS, CLAMPS AND STRAPS PRIOR TO ANY INSTALLATION OF PRODUCT.</p> <p>1109 ALL ANCHORS PLACED IN BRIDGE DECKS SHALL PENETRATE THE DECK A MAXIMUM OF 1-1/4 INCHES.</p> <p>1110 ALL CONDUIT MOUNTED UNDER THE BRIDGE DECK SHALL BE STRAPPED TO THE BRIDGE DECK IN FIVE (5) FEET MAXIMUM INTERVALS.</p> | <p>1111 CONDUIT EXPANSION JOINTS SHALL BE INSTALLED EVERY 50 FEET MAXIMUM WHERE CONDUIT IS ATTACHED TO BRIDGE DECK.</p> <p>1112 ALL UNDERGROUND CONDUIT RUNS SHALL CONTAIN TWO (2) EACH 2-INCH DIAMETER HDPE CONDUITS, UNLESS OTHERWISE SHOWN ON PLANS. ALL ENCASMENT RUNS SHALL CONTAIN ONE (1) EACH 6-INCH DIAMETER ELECTRICAL CONDUIT, 1 LINE, TYPE 5 INSTALLATION, UNLESS OTHERWISE SHOWN ON PLANS.</p> <p>1113 PRECAUTIONS SHALL BE TAKEN TO ENSURE THAT ALL UNDERGROUND CONDUIT RUNS WILL BE LOCATED TO AVOID CONFLICT WITH PROPOSED OR EXISTING GUARDRAIL, SIGNPOSTS, ETC.</p> <p>1114 DURING THE INSTALLATION OF 756-A, UPHEAVAL IN EXISTING PAVEMENT WILL NOT BE ALLOWED.</p> <p>1115 ACCESS TO ALL OPEN BUSINESSES SHALL BE MAINTAINED DURING INSTALLATION OF THE 756-A CONDUIT WHERE MORE THAN ONE ACCESS DRIVE IS AVAILABLE.</p> <p>1116 ANY TRENCHES REQUIRED FOR CONSTRUCTION SHALL BE BACKFILLED THE SAME DAY.</p> <p>1117 ANY HOLES EXCAVATED FOR STRUCTURE AND POLE FOUNDATIONS SHALL BE COVERED IF LEFT OVERNIGHT. THE COVERING SHALL BE SUFFICIENTLY SECURED TO AVOID UNINTENTIONAL DISPLACEMENT BY PERSONS, WIND OR VEHICLES AS APPROVED BY THE ENGINEER. THIS SHALL BE A SUBSIDIARY OBLIGATION OF THE STRUCTURE AND POLE FOUNDATIONS.</p> <p>1118 THE CONTRACTOR SHALL CONNECT EACH POLE GROUND SYSTEM IMMEDIATELY AFTER THE POLE HAS BEEN PLACED ON ITS FOUNDATION. NO METAL POLE SHALL BE LEFT UNGROUNDED AFTER IT HAS BEEN PLACED ON ITS FOUNDATION.</p> <p>1119 THE COMMBOXES THAT ARE TO BE PLACED ALONG ROADWAYS SHALL HAVE A MINIMUM CLEARANCE OF TEN (10) FEET FROM THE EDGE OF THE PAVED SHOULDER AND FIFTEEN (15) FEET FROM THE EDGE OF PAVEMENT WHERE NO PAVED SHOULDER IS PRESENT, UNLESS OTHERWISE APPROVED BY THE PROJECT ENGINEER. NO COMMBOXES SHALL BE BURIED OR PLACED WITHIN SIDEWALKS, SWALES, DRAINAGE AREAS, OR UNDER ITS DEVICES AND CABINETS</p> <p>1120 THE VERTICAL SEPARATION BETWEEN FIBER CABLE AND ELECTRICAL LINES AT POLE ATTACHMENT SHALL MEET ALL PROVISIONS OF THE NATIONAL ELECTRIC SAFETY CODE (NEC), CURRENT EDITION, REGARDING CLEARANCE FROM ELECTRIC LINES.</p> <p>1121 AERIAL DROPS SHALL HAVE ADEQUATE SLACK IN THE TRUNK SERVICE LOOP WITH AMPLE LENGTH OF THE DROP CABLE. THIS SHALL ALLOW FOR THE DETACHMENT OF THE AERIAL CLOSURE FROM THE TRUNK CABLE AND THE ABILITY TO LOWER SAID CLOSURE, TRUNK, AND DROP WITHOUT HAVING TO WORK IN A BUCKET TRUCK.</p> <p>1122 REQUIRED STRAPPING OF FIBER OPTIC CABLE TO MESSENGER CABLE SHALL BE STAINLESS STEEL LOCATED MAXIMUM FIVE (5) FEET ON CENTER.</p> <p>1123 THE LOCATION OF REQUIRED COMMBOXES SHALL BE COORDINATED WITH THE ENGINEER PRIOR TO INSTALLATION.</p> <p>1124 FINAL LOCATION OF REQUIRED CCTV AND RVD POLES SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.</p> | <p>1125 ALL REQUIRED CCTV AND RVD POLES LOCATED BEHIND GUARDRAIL SHALL BE A MINIMUM OF FOUR (4) FEET BEHIND BACK OF GUARDRAIL POST.</p> <p>1126 THE CONTRACTOR SHALL CONTINUE THE OPERATION AND MAINTENANCE OF THE EXISTING INTERCONNECT UNTIL THE REQUIRED FIBER OPTIC INTERCONNECT IS FULLY OPERATIONAL.</p> <p>1127 ALL EXISTING SIGNALS SHALL REMAIN FULLY OPERATIONAL AND CONNECTED TO THE NETWORK VIA INTERCONNECT UNTIL ALL PROPOSED FIBER EQUIPMENT IS INSTALLED AND CONNECTION TO THE FIELD SWITCHES ARE OPERATIONAL.</p> <p>1128 THE CONTRACTOR SHALL PROVIDE AND INSTALL FIBER OPTIC DROP CABLE FROM THE REQUIRED SPlice CLOSURE TO THE REQUIRED CONTROLLER AT EACH SIGNALIZED INTERSECTION.</p> <p><b>1129</b> IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE ALL COMPONENTS (INCLUDING, BUT NOT LIMITED TO, CAMERAS AND CAMERA CONTROLS, VEHICLE DETECTION DEVICES, WIRELESS DEVICES, ETHERNET FIELD SWITCHES, DYNAMIC MESSAGE SIGNS, AND VIDEO ENCODERS) ARE COMPATIBLE TO ALDOT'S AUTOMATED TRAFFIC MANAGEMENT SYSTEM (ATMS) AND THAT THEY FUNCTION AS A COMPLETE SYSTEM.</p> <p>1130 ALL STRUCTURES SHALL BE INSTALLED FREE OF ANY APPURTENANCES. THE INSTALLATION OF DEVICES, CABINETS, OR OTHER APPURTENANCES WILL BE ALLOWED FOLLOWING INSPECTION OF THE STRUCTURE BY THE ENGINEER.</p> <p>1131 THE CONTRACTOR SHALL INSTALL ALL UNDERGROUND BORES AT A MINIMUM OF 4 (FOUR) FEET BELOW EXISTING GRADE.</p> <p>1132 UNDERGROUND CONDUIT SHALL BE INSTALLED BY EITHER TYPE 1 (OPEN TRENCH) OR TYPE 5 (PRECISION DIRECTIONAL BORING) METHODS UNLESS OTHERWISE INDICATED ON THE PLANS. TYPE 5 METHOD IS THE PREFERRED METHOD FOR UNDERGROUND CONDUITS THAT WILL CONTAIN FIBER OPTIC CABLES. DETECTABLE MARKING TAPE SHALL BE REQUIRED FOR FIBER OPTIC</p> <p>1133 OMIT</p> <p><b>1134</b> THE REQUIRED NETWORK DEVICE, CELLULAR MODEM SHALL BE A CISCO IR-1101-K9 WITH A CISCO TPSN-50AB B POWER SUPPLY.</p> <p><b>1135</b> THE REQUIRED WIRELESS RADIO BRIDGE SHALL BE A UBIQUITI AIRMAX LITEBEAM 5AC WITH A UBIQUITI U-POE-AF POE ADAPTER.</p> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**SKIPPER**  
 CONSULTING INC  
 3644 VANN ROAD SUITE 100  
 BIRMINGHAM, ALABAMA 35235  
 TELEPHONE: (205)655-8855

# SUMMARY OF QUANTITIES

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
TAPAA-TA22(911)	2024	3

BASE BID QUANTITY	ITEM NO.	UNIT	DESCRIPTION	PROJECT NOTES
2379	206C-000	SQ YD	REMOVING CONCRETE SIDEWALK	301, 308, 314, 315, 316
3195	206C-001	SQ YD	REMOVING PAVEMENT	305
102	206C-010	SQ YD	REMOVING CONCRETE DRIVEWAY	
61	206C-021	SQ YD	REMOVING CONCRETE STEPS	
273	206C-027	SQ YD	REMOVING BRICK PAVEMENT	
2869	206D-003	LIN FT	REMOVING CURB AND GUTTER	309
2	206E-001	EACH	REMOVING INLETS	
1	206E-036	EACH	REMOVING BRICK PLANTER	
2	206E-042	EACH	REMOVING INLETS (PARTIAL)	
100	210D-021	CU YD	BORROW EXCAVATION (LOOSE TRUCKBED MEASUREMENT) (A4 OR BETTER)	
34	214A-000	CU YD	STRUCTURE EXCAVATION	
29	214B-001	CU YD	FOUNDATION BACKFILL, COMMERCIAL	
338	305A-052	CU YD	SELECTED MATERIALS, SECTION 820, LOCAL SAND OR SAND-GRAVEL, FOR MISCELLANEOUS USE	205
1059	305B-077	TON	CRUSHED AGGREGATE, SECTION 825, FOR MISCELLANEOUS USE	
177	405A-000	GALLON	TACK COAT	
1683	408B-001	SQ YD	MICRO-MILLING EXISTING PAVEMENT(APPROXIMATELY 1.10" THRU 2.00" THICK)	
146	424A-360	TON	SUPERPAVE BITUMINOUS CONCRETE WEARING SURFACE LAYER, 1/2" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE C/D	
146	424B-654	TON	SUPERPAVE BITUMINOUS CONCRETE UPPER BINDER LAYER, PATCHING, 3/4" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE C/D	
373	517D-001	LIN FT	ALUMINUM SIDEWALK HANDRAIL	
501	529A-011	SQ FT	RETAINING WALL(CAST IN PLACE)	
52	533A-855	LIN FT	12" STORM SEWER PIPE	
406	539A-007	LIN FT	18 INCH TRENCH DRAIN	
1	600A-000	LUMP SUM	MOBILIZATION	
100	606A-016	LIN FT	4" UNDERDRAIN PIPE	306
100	610D-003	SQ YD	FILTER BLANKET, GEOTEXTILE	300
7545	613F-000	SQ FT	BRICK PAVING	204
2893	618A-000	SQ YD	CONCRETE SIDEWALK, 4" THICK	310
1959	618B-003	SQ YD	CONCRETE DRIVEWAY, 6" THICK (INCLUDES WIRE MESH)	
452	618C-001	SQ FT	DETECTABLE WARNING SURFACE	311
214	618D-000	SQ YD	CURB RAMP	
9	620A-000	CU YD	MINOR STRUCTURE CONCRETE	
3	621C-076	EACH	INLETS, TYPE E (MODIFIED)	304
1	621C-109	EACH	INLETS, TYPE PD	317
2	621E-004	EACH	MANHOLES, TYPE L OR M (STORM)	
31	623B-120	LIN FT	CONCRETE CURB, (TYPE SPECIAL)	
116	623B-121	LIN FT	CONCRETE CURB, TYPE A (MODIFIED)	
3618	623C-003	LIN FT	COMBINATION CURB & GUTTER, TYPE C (MODIFIED)	
36	641R-510	EACH	3/4 INCH WATER METER AND BOX RESET	312
6	641S-500	EACH	VALVE BOX RESET	312
271	654A-007	SQ YD	SOLID SODDING (TIFWAY 419 HYBRID BERMUDA, CYNADON HYBRID 'TIFWAY 419')	
163	660A-000	CU YD	PLANT TOPSOIL	
1006	660B-001	EACH	VINES, TRACHELOSPERMUM ASIATICUM (ASIATIC JASMINE)	
54	660C-048	EACH	SHRUBS, ILEX VOMITORIA NANA (DWARF YAUPON HOLLY)	
3574	660C-087	EACH	SHRUBS, NASSELLA TENUISSIMA (MEXICAN FEATHER GRASS)	
229	660C-195	EACH	SHRUBS, MUHLENBERGIA CAPILLARIS (PINK MUHLY GRASS)	
52	660D-221	EACH	TREES, ULMUS AMERICANA 'PRINCETON' PRINCETON ELM	
88	660K-000	BALE	PINESTRAW MULCH	
1	665A-000	ACRE	TEMPORARY SEEDING	300
1	665B-001	TON	TEMPORARY MULCHING	300
250	665E-000	SQ YD	POLYETHYLENE	300
100	665G-000	EACH	SAND BAGS	300



REVISIONS:

PLAN SUBMITTAL

PLANS PREPARED BY:  
GOODWYN MILLS CAWOOD, LLC

NOT TO SCALE

SHEET TITLE  
SUMMARY OF QUANTITIES

ROUTE  
SR-4

# SUMMARY OF QUANTITIES

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
TAPAA-TA22(911)	2024	3A

BASE BID QUANTITY	ITEM NO.	UNIT	DESCRIPTION	PROJECT NOTES
500	665J-002	LIN FT	SILT FENCE	300
500	665O-001	LIN FT	SILT FENCE REMOVAL	300
11	665P-005	EACH	INLET PROTECTION, STAGE 3 OR 4	300
50	665Q-002	LIN FT	WATTLE	300
750	674A-000	LIN FT	CONSTRUCTION SAFETY FENCE	
1	680A-001	LUMP SUM	GEOMETRIC CONTROLS	
1	701A-231	MILE	SOLID WHITE, CLASS 2, TYPE A TRAFFIC STRIPE	
588	701G-263	LIN FT	SOLID YELLOW, CLASS 2, TYPE A TRAFFIC STRIPE	
770	703A-002	SQ FT	TRAFFIC CONTROL MARKINGS, CLASS 2, TYPE A	302
24	703H-000	SQ FT	SPECIALTY TRAFFIC CONTROL MARKINGS	
1	729C-200	EACH	NETWORK DEVICE, CELLULAR MODEM	
1	730A-000	LUMP SUM	REMOVAL OF EXISTING TRAFFIC CONTROL UNIT (SR-4 (US-78/PARKWAY DRIVE) AT 8TH STREET)	
1	730A-001	LUMP SUM	REMOVAL OF EXISTING TRAFFIC CONTROL UNIT (SR-4 (US-78/PARKWAY DRIVE) AT 9TH STREET)	
1	730C-000	LUMP SUM	FURNISHING AND INSTALLING TRAFFIC CONTROL UNIT (SR-4 (US-78/PARKWAY DRIVE) AT 8TH STREET)	
1	730C-001	LUMP SUM	FURNISHING AND INSTALLING TRAFFIC CONTROL UNIT (SR-4 (US-78/PARKWAY DRIVE) AT 9TH STREET)	
5	730E-000	EACH	METAL TRAFFIC SIGNAL POLE FOUNDATION	
2	730F-000	EACH	METAL TRAFFIC SIGNAL POLE WITH 30 FT MAST ARM ASSEMBLY	
1	730F-001	EACH	METAL TRAFFIC SIGNAL POLE WITH 35 FT MAST ARM ASSEMBLY AND 35 FT MAST ARM ASSEMBLY	
1	730F-002	EACH	METAL TRAFFIC SIGNAL POLE WITH 30 FT MAST ARM ASSEMBLY AND 45 FT MAST ARM ASSEMBLY	
1	730F-003	EACH	METAL TRAFFIC SIGNAL POLE WITH 35 FT MAST ARM ASSEMBLY AND 40 FT MAST ARM ASSEMBLY	
9	730K-002	EACH	TRAFFIC SIGNAL JUNCTION BOX TYPE S2	
75	730L-003	LIN FT	1", NON-METALLIC, CONDUIT	
1020	730L-005	LIN FT	2", NON-METALLIC, CONDUIT	
5	730N-000	EACH	LUMINAIRE EXTENSION ASSEMBLY,	
16	730P-022	EACH	VEHICULAR SIGNAL HEAD, 12 INCH, 3 SECTION, TYPE LED	
5	730P-100	EACH	PEDESTRIAN SIGNAL HEAD, TYPE LED	
5	730Q-001	EACH	MISCELLANEOUS EQUIPMENT, PEDESTRIAN PUSH BUTTON	
2	730R-041	EACH	CONTROLLER ASSEMBLY, TYPE NEMA, 16 CHANNELS	
2	730T-010	EACH	ELECTRICAL POWER SERVICE ASSEMBLY WITH WOOD POLE	
1	730U-015	LUMP SUM	VIDEO DETECTION SYSTEM (SR-4 (US-78/PARKWAY DRIVE) AT 8TH STREET)	
1	730U-016	LUMP SUM	VIDEO DETECTION SYSTEM (SR-4 (US-78/PARKWAY DRIVE) AT 9TH STREET)	
1	730Y-620	LUMP SUM	FURNISHING AND INSTALLING PEDESTAL POLE AND FOUNDATION WITH PEDESTRIAN SIGNAL FEATURES (SR-4 (US-78/PARKWAY DRIVE) AT 8TH STREET)	
1	730Y-621	LUMP SUM	FURNISHING AND INSTALLING PEDESTAL POLE AND FOUNDATION WITH PEDESTRIAN SIGNAL FEATURES (SR-4 (US-78/PARKWAY DRIVE) AT 8TH STREET)	
1	730Y-622	LUMP SUM	FURNISHING AND INSTALLING PEDESTAL POLE AND FOUNDATION WITH PEDESTRIAN SIGNAL FEATURES (SR-4 (US-78/PARKWAY DRIVE) AT 8TH STREET)	
1	730Y-623	LUMP SUM	FURNISHING AND INSTALLING PEDESTAL POLE AND FOUNDATION WITH PEDESTRIAN SIGNAL FEATURES (SR-4 (US-78/PARKWAY DRIVE) AT 8TH STREET)	
1	730Y-624	LUMP SUM	FURNISHING AND INSTALLING PEDESTAL POLE AND FOUNDATION WITH PEDESTRIAN SIGNAL FEATURES (SR-4 (US-78/PARKWAY DRIVE) AT 8TH STREET)	
1	730Y-625	LUMP SUM	FURNISHING AND INSTALLING PEDESTAL POLE AND FOUNDATION WITH PEDESTRIAN SIGNAL FEATURES (SR-4 (US-78/PARKWAY DRIVE) AT 8TH STREET)	
1	730Y-626	LUMP SUM	FURNISHING AND INSTALLING PEDESTAL POLE AND FOUNDATION WITH PEDESTRIAN SIGNAL FEATURES (SR-4 (US-78/PARKWAY DRIVE) AT 9TH STREET)	
1	730Y-627	LUMP SUM	FURNISHING AND INSTALLING PEDESTAL POLE AND FOUNDATION WITH PEDESTRIAN SIGNAL FEATURES (SR-4 (US-78/PARKWAY DRIVE) AT 9TH STREET)	
1	730Y-628	LUMP SUM	FURNISHING AND INSTALLING PEDESTAL POLE AND FOUNDATION WITH PEDESTRIAN SIGNAL FEATURES (SR-4 (US-78/PARKWAY DRIVE) AT 9TH STREET)	
1	730Y-629	LUMP SUM	FURNISHING AND INSTALLING PEDESTAL POLE AND FOUNDATION WITH PEDESTRIAN SIGNAL FEATURES (SR-4 (US-78/PARKWAY DRIVE) AT 9TH STREET)	
1	730Y-630	LUMP SUM	FURNISHING AND INSTALLING PEDESTAL POLE AND FOUNDATION WITH PEDESTRIAN SIGNAL FEATURES (SR-4 (US-78/PARKWAY DRIVE) AT 9TH STREET)	
170	740B-000	SQ FT	CONSTRUCTION SIGNS	
50	740D-000	EACH	CHANNELIZING DRUMS	
50	740E-000	EACH	CONES (36 INCHES HIGH)	
4	740F-002	EACH	BARRICADES, TYPE III	
50	740M-001	EACH	BALLAST FOR CONE	
16	745A-000	HOUR	UNIFORMED POLICE OFFICER	
1	750Z-300	LUMP SUM	DECORATIVE LIGHTING	
690	756A-028	LIN FT	6" ELECTRICAL CONDUIT, 1 LINE, TYPE 5 INSTALLATION	
1	787A-000	LUMP SUM	IRRIGATION SYSTEM	



REVISIONS:

PLAN SUBMITTAL

PLANS PREPARED BY:

NOT TO SCALE

SHEET TITLE

ROUTE

SUMMARY OF QUANTITIES

SR-4

GOODWYN MILLS CAWOOD, LLC

# SUMMARY OF QUANTITIES

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
TAPAA-TA22(911)	2024	3B

REQUIRED REMOVAL ITEMS												
ROADWAY	STATION	SIDE	REMOVING CONCRETE SIDEWALK	REMOVING CONCRETE PAVEMENT	REMOVING CONCRETE DRIVEWAY	REMOVING CONCRETE STEPS	REMOVING BRICK PAVEMENT	REMOVING CURB AND GUTTER	REMOVING INLETS	REMOVING BRICK PLANTER	REMOVING INLETS (PARTIAL)	REMARKS
			(SQ YD) 206C-000	(SQ YD) 206C-001	(SQ YD) 206C-010	(SQ YD) 206C-021	(SQ YD) 206C-027	(LIN FT) 206D-003	(EACH) 206E-001	(EACH) 206E-036	(EACH) 206E-042	
PARKWAY DRIVE	8+12.00 TO 12+46.00	LT	401.3					465.0				
PARKWAY DRIVE	8+13.00 TO 11+38.00	RT						328.5				
PARKWAY DRIVE	8+13.00 TO 12+45.00	RT	468.0									
PARKWAY DRIVE	11+38.00 TO 12+47.50	RT			25.2			97.0				
PARKWAY DRIVE	12+93.50	RT									1	REMOVE GRATE
PARKWAY DRIVE	12+95.00 TO 17+35.00	LT	491.1					502.5				
PARKWAY DRIVE	12+95.00 TO 14+97.00	RT				14.3		224.0				
PARKWAY DRIVE	12+95.00 TO 17+35.00	RT	423.4									
PARKWAY DRIVE	12+98.00	RT								1		RETAIN TREE
PARKWAY DRIVE	13+85.50 TO 15+89.50	LT				11.3						
PARKWAY DRIVE	14+97.00 TO 15+17.00	RT			11.3							CLOSE EXISTING DRIVE
PARKWAY DRIVE	15+17.00 TO 17+35.00	RT						271.5				
PARKWAY DRIVE	15+81.50 TO 17+07.00	RT				23.8						
PARKWAY DRIVE	17+24.50	LT							1			
PARKWAY DRIVE	17+65.00 TO 18+12.00	RT	48.1					95.0				
PARKWAY DRIVE	17+66.00 TO 18+06.00	LT	30.2	10.4			27.7	99				
9TH STREET	53+81.00 TO 55+50.75	RT	108.5			1.3						
9TH STREET	53+85.50 TO 55+50.00	LT		33.4							1	REMOVE GRATE
9TH STREET	55+50.00 TO 55+75.00	LT			36.6							
9TH STREET	55+70.00 TO 56+97.00	RT	72.4					148.5				
9TH STREET	55+75.00 TO 56+95.00	LT	39.7		16.3			101.5				
9TH STREET	58+08.50 TO 59+30.00	LT	104.2			1.7		118.0				
9TH STREET	58+15.00 TO 59+30.75	RT	1.8				103.8	114.5				
9TH STREET	59+30.75 TO 61+12.00	LT	169.9		11.8	8.1		152.0	1			
9TH STREET	59+50.75 TO 61+12.00	RT	20.4				140.6	152.0				
TOTAL			2379	44	102	61	273	2869	2	1	2	

REQUIRED DRAINAGE ITEMS													
ROADWAY	STATION	SIDE	STORM SEWER PIPE	TRENCH DRAIN	INLET		MAHNOLE	STRUCTURE EXCAVATION	FOUNDATION BACKFILL COMMERCIAL	DRAWINGS	REMARKS		
			(LIN FT)	(LIN FT)	(EACH)	(EACH)	(EACH)						
			12" STORM SEWER PIPE	18" TRENCH DRAIN	TYPE E (MODIFIED)	TYPE PD	TYPE L OR M (STORM)	(CU YD)	(CU YD)				
PAY ITEM NO.			533A-855	539A-007	621C-076	621C-109	621E-004	214A-000	214B-001				
PARKWAY DRIVE	8+14.50 TO 8+36.25	LT		22.0									
PARKWAY DRIVE	8+15.50 TO 8+52.00	RT		36.5									
PARKWAY DRIVE	11+25.50 TO 11+42.00	RT		17.0									
PARKWAY DRIVE	12+93.75 TO 13+18.00	LT		53.0									
PARKWAY DRIVE	12+93.75	RT		7.0	1								
PARKWAY DRIVE	16+89.50 TO 17+29.00	LT		67.0									
PARKWAY DRIVE	17+80.25 TO 18+05.00	LT		60.0									
PARKWAY DRIVE	17+82.75 TO 18+09.00	RT		37.5									
9TH STREET	53+91.50 TO 54+20.00	LT	14.0	10.5	1		1	10.4	8.9	SHEET 2C SHEET 20			
9TH STREET	55+30.00 TO 55+49.50	LT		19.5									
9TH STREET	55+64.50 TO 55+92.00	LT		27.5									
9TH STREET	59+17.00 TO 59+30.00	LT		13.0									
9TH STREET	59+21.50 TO 59+30.75	RT		9.5									
9TH STREET	59+48.00 TO 59+55.50	LT		7.5									
9TH STREET	59+50.75 TO 59+69.00	RT		18.5									
9TH STREET	60+64.00 TO 61+02.00	LT	38.0		1	1	1	22.81	19.56				
TOTAL			52	406	3	1	2	34	29				



REVISIONS:

PLAN SUBMITTAL  
PLANS PREPARED BY:  
GOODWYN MILLS CAWOOD, LLC

NOT TO SCALE

SHEET TITLE  
SUMMARY OF QUANTITIES  
ROUTE  
SR-4

# SUMMARY OF QUANTITIES

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
TAPAA-TA22(911)	2024	3C

REQUIRED HARDSCAPE ITEMS												DRAWINGS	REMARKS	
ROADWAY	STATION	SIDE	BRICK PAVING (SQ FT) 613F-000	CONCRETE SIDEWALK, 4" THICK (SQ YD) 618A-000	CONCRETE DRIVEWAY, 6" THICK (INCLUDES WIRE MESH) (SQ YD) 618B-003	DETECTABLE WARNING SURFACE (SQ FT) 618C-001	CURB RAMP (SQ YD) 618D-000	MINOR STRUCTURE CONCRETE (CU YD) 620A-000	CONCRETE CURB, (TYPE SPECIAL) (LIN FT) 623B-120	CONCRETE CURB, TYPE A (MODIFIED) (LIN FT) 623B-121	COMBINATION CURB & GUTTER, TYPE C (MODIFIED) (LIN FT) 623C-003			
PARKWAY DRIVE	8+12.00 TO 8+37.50	LT	40.52	17.91		32.00	14.54				25.50	SW-618 (4 SHEETS)		
PARKWAY DRIVE	8+13.00 TO 8+43.00	RT	93.80	43.60		30.00	14.14				26.00			
PARKWAY DRIVE	8+37.50 TO 12+20.00	LT	1013.96	362.67	505.31						487.50			
PARKWAY DRIVE	8+43.00 TO 11+24.00	RT	801.55	288.87	374.66						365.50		623-XY	
PARKWAY DRIVE	11+24.00 TO 12+56.00	RT	297.77	111.13	36.17	20.00	10.98				120.50		MD-25	
PARKWAY DRIVE	12+20.00 TO 12+55.00	LT	85.65	52.30		30.00	15.78				62.00		SHEET 2	
PARKWAY DRIVE	12+80.00 TO 13+39.00	RT	72.05	50.34		20.00	10.91	0.30			81.50		SHEET 2A	
PARKWAY DRIVE	12+84.00 TO 13+19.00	LT	22.10	38.34		30.00	13.50				62.50		SHEET 2B	
PARKWAY DRIVE	13+19.00 TO 17+02.00	LT	1050.94	399.29	505.31						476.50		SHEET 2C	
PARKWAY DRIVE	13+27.00 TO 16+13.00	RT	806.83	290.41	366.39						359.00		SHEET 2D	
PARKWAY DRIVE	16+13.00 TO 16+79.00	RT	153.78	49.88	91.34			5.38			81.00			
PARKWAY DRIVE	16+79.00 TO 17+35.00	RT	134.84	85.07		34.00	18.26	0.89		23.00	77.50			
PARKWAY DRIVE	17+02.00 TO 17+35.00	LT	107.18	68.07		32.00	18.87				56.00			
PARKWAY DRIVE	17+65.00 TO 18+12.00	RT		33.62		34.00	19.77				67.00			
PARKWAY DRIVE	17+66.00 TO 18+08.50	LT	62.58	58.93		34.00	13.76				81.50			
9TH STREET	53+81.00 TO 54+11.00	RT		45.26		20.00	11.49	0.80			31.50			
9TH STREET	53+89.50 TO 55+49.50	LT	339.53	85.00		21.00	14.51				199.00			
9TH STREET	54+11.00 TO 55+50.75	RT	356.80	116.39		12.00			30.50		25.50			
9TH STREET	55+49.50 TO 56+90.00	LT	299.58	80.57	23.33	11.00	9.18			93.00	121.00			
9TH STREET	55+68.75 TO 57+04.00	RT	330.24	89.47		12.00	6.22				143.50			
9TH STREET	58+07.00 TO 59+30.00	LT	324.69	108.89		10.00					133.00			
9TH STREET	58+15.00 TO 59+30.75	RT	318.96	109.7		8.00					144.00			
9TH STREET	59+30.00 TO 60+59.50	LT	293.10	98.67	33.00	10.00					124.50			
9TH STREET	59+37.50 TO 61+12.00	RT	427.21	149.74	23.33	40.00	17.62				184.00			
9TH STREET	60+59.50 TO 61+12.00	LT	111.26	58.53		12.00	3.69	0.78			82.00			
TOTAL			7545	2893	1959	452	214	9	31	116	3618			

REQUIRED SIDEWALK HANDRAIL						
ROADWAY	STATION TO STATION	SIDE	ALUMINUM SIDEWALK HANDRAIL (LIN FT) 517D-001	DRAWINGS	REMARKS	
PARKWAY DRIVE	9+36.00 TO 9+49.00	LT	12.5	SHEET 2D		
PARKWAY DRIVE	11+32.50 TO 11+48.50	LT	16.0			
PARKWAY DRIVE	13+10.00 TO 13+40.00	RT	30.0			
PARKWAY DRIVE	15+65.00 TO 15+76.00	LT	11.0			
PARKWAY DRIVE	16+72.50 TO 17+13.00	RT	91.0			
9TH STREET	53+95.50 TO 54+10.50	RT	112.0			
9TH STREET	55+79.00 TO 55+85.00	LT	16.0			
9TH STREET	60+60.00 TO 60+97.00	LT	84.0			
TOTAL			373			

REQUIRED RETAINING WALL							
ROADWAY	STATION	SIDE	LENGTH (FT)	HEIGHT (FT)	RETAINING WALL (CAST IN PLACE) (SQ FT) 529A-011	DRAWINGS	REMARKS
9TH STREET	54+15.00 TO 55+38.50	LT	129	2 - 4	501.00	RW 10-4 (SHEET 1 OF 4)	
						RW 10-4 (SHEET 2 OF 4)	
TOTAL					501		



REVISIONS:

PLAN SUBMITTAL  
PLANS PREPARED BY:  
GOODWYN MILLS CAWOOD, LLC

NOT TO SCALE

SHEET TITLE  
SUMMARY OF QUANTITIES  
ROUTE  
SR-4

# SUMMARY OF QUANTITIES

REFERENCE PROJECT NO TAPAA-TA22(911)	FISCAL YEAR 2024	SHEET NO 3D
-----------------------------------------	---------------------	----------------

REQUIRED UTILITY ITEMS						
ROADWAY	STATION	SIDE	3/4 INCH WATER METER AND BOX RESET (EACH) 641R-510	VALVE BOX RESET (EACH) 641S-500	DRAWINGS	REMARKS
PARKWAY DRIVE	8+42.50	LT	1			SEE NOTE 311
PARKWAY DRIVE	9+03.50	RT	1			
PARKWAY DRIVE	10+80.50	RT	2			
PARKWAY DRIVE	11+06.50	LT	1			
PARKWAY DRIVE	12+39.00	RT	2	1		
PARKWAY DRIVE	13+00.00	LT		1		
PARKWAY DRIVE	13+82.50	LT	1			
PARKWAY DRIVE	14+28.00	RT	1			
PARKWAY DRIVE	14+60.00	RT	2			
PARKWAY DRIVE	14+84.00	LT	1			
PARKWAY DRIVE	15+00.00	RT	1			
PARKWAY DRIVE	15+34.50	LT	1			
PARKWAY DRIVE	15+58.50	LT	3			
PARKWAY DRIVE	16+07.50	RT	1			
PARKWAY DRIVE	16+18.50	LT	2			
PARKWAY DRIVE	16+37.00	RT	1			
PARKWAY DRIVE	17+75.50	LT		1		
PARKWAY DRIVE	17+82.50	RT	2	1		
PARKWAY DRIVE	18+00.00	RT		1		
PARKWAY DRIVE	16+37.00	RT	1			
9TH STREET	55+40.00	RT	1			
9TH STREET	55+84.00	RT	2			
9TH STREET	56+24.00	LT	1			
9TH STREET	56+53.50	LT	3			
9TH STREET	56+98.00	RT		1		
9TH STREET	58+16.00	RT	1			
9TH STREET	58+65.00	RT	2			
9TH STREET	59+04.50	RT	1			
9TH STREET	60+90.00	LT	1			
TOTAL			36	6		

REQUIRED EROSION AND SEDIMENT CONTROL SUMMARY					
ITEM NO.	DESCRIPTION	QUANTITY	UNIT	DRAWING	REMARKS
610D-003	FILTER BLANKET, GEOTEXTILE	100	SQ YD	ESC-100 ESC-504	SEE PROJECT NOTE 300
665A-000	TEMPORARY SEEDING	1	ACRE	ESC-200 ESC-505	
665B-001	TEMPORARY MULCHING	1	TON	ESC-300 ESC-506	
665E-000	POLYETHYLENE	250	SQ YD	ESC-400 ESC-507	
665G-000	SAND BAGS	100	EACH	ESC-501 ESC-508	
665J-002	SILT FENCE	500	LIN FT	ESC-502 ESC-509	
665O-001	SILT FENCE REMOVAL	500	LIN FT	ESC-503	
665P-005	INLET PROTECTION, STAGE 3 OR 4	11	EACH		
665Q-002	WATTLE	50	LIN FT		

REQUIRED LANDSCAPING ITEMS												
ROADWAY	STATION	SIDE	SOLID SODDING (TIFWAY 419) (SQ YD) 654A-007	PLANT TOPSOIL (CU YD) 660A-000	VINES, (ASIATIC JASMINE) (EACH) 660B-001	SHRUBS, (MEXICAN FEATHER GRASS) (EACH) 660C-087	SHRUBS, (DWARF YAUPON HOLLY) (EACH) 660C-048	SHRUBS, (PINK MUHLY GRASS) (EACH) 660C-195	TREES, PRINCETON ELM (EACH) 660D-221	PINESTRAW MULCH (BALE) 660K-000	DRAWINGS	REMARKS
PARKWAY DR	8+12.00 TO 12+55.00	LT		16.9	129	263	14	42	6	10.0		
PARKWAY DR	8+13.00 TO 12+56.00	RT		20.4	216	263	27	51	6	10.1		
PARKWAY DR	12+80.00 TO 18+12.00	RT		37.2	153	875	13	105	10	16.8		
PARKWAY DR	12+84.00 TO 18+08.50	LT		20.9	144	674		31	9	15.1		
9TH STREET	53+81.00 TO 55+50.75	RT		14.3	60	732			2	3.4		
9TH STREET	53+85.50 TO 55+49.50	LT		2.8	10	145			1	1.7		
9TH STREET	55+64.50 TO 56+90.00	LT	94.0	11.0	20				4	6.8		
9TH STREET	55+68.75 TO 57+04.00	RT		2.8	90				1	1.7		
9TH STREET	58+07.00 TO 59+30.00	LT	91.0	10.8	23				4	6.8		
9TH STREET	58+15.00 TO 59+30.75	RT		1.8	69				1	1.7		
9TH STREET	59+48.00 TO 61+12.00	LT	86.0	17.7	22	440			6	10.1		
9TH STREET	59+50.75 TO 61+12.00	RT		5.3	70	182			2	3.4		
PROJECT TOTAL			271	163	1006	3574	54	229	52	88		



ALABAMA DEPARTMENT OF TRANSPORTATION

REVISIONS:

PLAN SUBMITTAL

PLANS PREPARED BY:  
GOODWYN MILLS CAWOOD, LLC

NOT TO SCALE

SHEET TITLE  
SUMMARY OF QUANTITIES

ROUTE  
SR-4

# SUMMARY OF QUANTITIES

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
TAPAA-TA22(911)	2024	3E

REQUIRED TRAFFIC CONTROL MARKINGS AND LEGENDS						
ROADWAY	STATION	SIDE	TRAFFIC CONTROL MARKINGS CLASS 2, TYPE A (SQ FT) 703A-002	SPECIALTY TRAFFIC CONTROL MARKINGS (SQ FT) 703H-000	DRAWINGS	REMARKS
PARKWAY DRIVE	8+51.50	LT		2.36		HANDICAP SYMBOL
PARKWAY DRIVE	8+57.50	RT		2.36	TCM-703 (SHEET 1 OF 2)	HANDICAP SYMBOL
PARKWAY DRIVE	12+02.50	LT		2.36	TCM-703 (SHEET 2 OF 2)	HANDICAP SYMBOL
PARKWAY DRIVE	12+34.00	LT/RT	91.00		CW-703	CROSSWALK BARS
PARKWAY DRIVE	12+56.00 TO 12+80.00	LT	70.00			CROSSWALK BARS
PARKWAY DRIVE	12+56.00 TO 12+80.00	RT	58.86			CROSSWALK BARS
PARKWAY DRIVE	13+07.50	LT/RT	70.00			CROSSWALK BARS
PARKWAY DRIVE	13+33.00	LT		2.36		HANDICAP SYMBOL
PARKWAY DRIVE	16+62.00	RT		2.36		HANDICAP SYMBOL
PARKWAY DRIVE	16+84.00	RT		2.36		HANDICAP SYMBOL
PARKWAY DRIVE	17+15.50	LT/RT	70.00			CROSSWALK BARS
PARKWAY DRIVE	17+87.00	LT/RT	70.00			CROSSWALK BARS
9TH STREET	53+98.00	LT/RT	70.00			CROSSWALK BARS
9TH STREET	54+07.50	LT	30.00			STOP LINE
9TH STREET	55+21.50	RT		2.36		HANDICAP SYMBOL
9TH STREET	56+88.00	RT		2.36		HANDICAP SYMBOL
9TH STREET	57+03.50	RT	30.00			STOP LINE
9TH STREET	57+13.00	LT/RT	70.00			CROSSWALK BARS
9TH STREET	57+88.00	LT/RT	70.00			CROSSWALK BARS
9TH STREET	58+19.00	RT		2.36		HANDICAP SYMBOL
9TH STREET	60+70.00	RT		2.36		HANDICAP SYMBOL
9TH STREET	60+95.25	LT/RT	70.00			CROSSWALK BARS
TOTAL			770	24		

REQUIRED TRAFFIC STRIPING					
ROADWAY	STATION TO STATION	SOLID WHITE CLASS 2, TYPE A TRAFFIC STRIPE (MILE) 701A-231	SOLID YELLOW CLASS 2, TYPE A TRAFFIC STRIPE (LIN FT) 701G-263	DRAWINGS	REMARKS
PARKWAY DRIVE	8+37.50 TO 16+83.00	0.19		PS-701-6	
PARKWAY DRIVE	13+32.00 TO 16+83.00	0.21			
9TH STREET	54+16.50 TO 57+02.00	0.14	588.00		
9TH STREET	58+01.00 TO 60+85.00	0.12			
SUB-TOTAL		0.66	588.00		
TOTAL		1	588		

REQUIRED QUANTITIES FOR TRAFFIC CONTROL DEVICES			
ITEM NO.	DESCRIPTION	TOTAL QUANTITY	DRAWING
674A-000	CONSTRUCTION SAFETY FENCE	750 LIN FT	
740D-000	CHANNELIZING DRUMS	50 EACH	TCD-100
740E-000	CONES (36 INCHES HIGH)	50 EACH	TCD-100
740F-002	BARRICADES, TYPE III	4 EACH	B-107-2
740M-001	BALLAST FOR CONE	50 EACH	TCD-100
745A-000	UNIFORMED POLICE OFFICER	16 HOUR	

REQUIRED QUANTITIES FOR CONSTRUCTION SIGNS (740B-000)								
SIGN NO.	SIZE	DESCRIPTION	DWG. NO.	MOUNT	QTY.	SQ.FT. EA.	TOTAL	DRAWINGS
R9-9	24"x12"	SIDEWALK CLOSED	SHS-7	BARRICADE	2	2.00	4.0	IHS-710-12
R9-10	24"x12"	SIDEWALK CLOSED - USE OTHER SIDE	SHS-7	BARRICADE	2	2.00	4.0	IHS-710-21
R9-11	24"x12"	SIDEWALK CLOSED AHEAD - CROSS HERE	SHS-7	TEMP	1	2.00	2.0	IHS-710-23
R9-11a	24"x12"	SIDEWALK CLOSED - CROSS HERE	SHS-8	BARRICADE	2	2.00	4.0	SHS-7
W11-2	36"x36"	PEDESTRIAN CROSSING	SHS-17	TEMP	4	5.00	20.0	SHS-8
W16-7P	24"x12"	DIAGONAL ARROW (PLAQUE)	SHS-18	TEMP	2	2.00	4.0	SHS-17
W16-9P	24"x12"	AHEAD (PLAQUE)	SHS-18	TEMP	2	2.00	4.0	SHS-18
W20-1	48"x48"	ROAD WORK AHEAD	SHS-29	POST	8	16.00	128.0	SHS-29
TOTAL							170	



REVISIONS:

PLAN SUBMITTAL

PLANS PREPARED BY:  
GOODWYN MILLS CAWOOD, LLC

NOT TO SCALE

SHEET TITLE  
SUMMARY OF QUANTITIES

ROUTE  
SR-4

## SUMMARY OF QUANTITIES PROJECT NO. TAPAA-TA22(911)

TRAFFIC SIGNAL PAY ITEMS (EQUIPMENT)																	
SHEET	DESCRIPTION	METAL TRAFFIC SIGNAL POLE FOUNDATION	METAL TRAFFIC SIGNAL POLE WITH 30 FT MAST ARM ASSEMBLY	METAL TRAFFIC SIGNAL POLE WITH 35 FT MAST ARM ASSEMBLY AND 35 FT MAST ARM ASSEMBLY	METAL TRAFFIC SIGNAL POLE WITH 30 FT MAST ARM ASSEMBLY AND 45 FT MAST ARM ASSEMBLY	METAL TRAFFIC SIGNAL POLE WITH 35 FT MAST ARM ASSEMBLY AND 40 FT MAST ARM ASSEMBLY	TRAFFIC SIGNAL JUNCTION BOX TYPE S2	1", NON-METALLIC CONDUIT	2", NON-METALLIC CONDUIT	LUMINAIRE EXTENSION ASSEMBLY, 8 FEET	VEHICULAR SIGNAL HEAD, 12 INCH, 3 SECTION, TYPE LED	PEDESTRIAN SIGNAL HEAD, TYPE LED	MISCELLANEOUS EQUIPMENT, PEDESTRIAN PUSH BUTTON	CONTROLLER ASSEMBLY, TYPE NEMA, 16 CHANNELS	ELECTRICAL POWER SERVICE ASSEMBLY WITH WOOD POLE	6" ELECTRICAL CONDUIT, 1 LINE, TYPE 5 INSTALLATION	DRAWING NUMBERS
	LOCATION	730E-000	730F-000	730F-001	730F-002	730F-003	730K-002	730L-003	730L-005	730N-000	730P-022	730P-100	730Q-001	730R-041	730T-010	756A-028	
		EACH	EACH	EACH	EACH	EACH	EACH	LIN FOOT	LIN FOOT	EACH	EACH	EACH	EACH	EACH	EACH	LIN FOOT	
---	SR-4 (US-78/PARKWAY DRIVE) AT 8TH STREET	2		1	1		5	40	435	2	8	2	2	1	1	280	A,B,C,D,E,F,G,H,I,J,K,L,M
---	SR-4 (US-78/PARKWAY DRIVE) AT 9TH STREET	3	2			1	4	35	585	3	8	3	3	1	1	410	A,B,C,D,E,F,G,H,I,J,K,L,M
	TOTAL	5	2	1	1	1	9	75	1020	5	16	5	5	2	2	690	

TRAFFIC SIGNAL PAY ITEMS																			
SHEET	DESCRIPTION	REMOVAL OF EXISTING TRAFFIC CONTROL UNIT		FURNISHING AND INSTALLING TRAFFIC CONTROL UNIT		VIDEO DETECTION SYSTEM		FURNISHING AND INSTALLING PEDESTAL POLE AND FOUNDATION WITH PEDESTRIAN SIGNAL FEATURES										DRAWING NUMBERS	
	LOCATION	730A-000	730A-001	730C-000	730C-001	730U-015	730U-016	730Y-620	730Y-621	730Y-622	730Y-623	730Y-624	730Y-625	730Y-626	730Y-627	730Y-628	730Y-629		730Y-630
		LUMP SUM		LUMP SUM		LUMP SUM		LUMP SUM											
61	SR-4 (US-78/PARKWAY DRIVE) AT 8TH STREET	1		1		1		1	1	1	1	1	1						A,B,C,D,E,F,G,H,I,J,K,L,M
62	SR-4 (US-78/PARKWAY DRIVE) AT 9TH STREET		1		1		1							1	1	1	1	1	A,B,C,D,E,F,G,H,I,J,K,L,M

LEGEND
A. STANDARD DRAWING NO. T.S.D.-730-1
B. STANDARD DRAWING NO. T.S.D.-730-2A
C. STANDARD DRAWING NO. T.S.D.-730-2B
D. STANDARD DRAWING NO. T.S.D.-730-4
E. STANDARD DRAWING NO. T.S.D.-730-9
F. STANDARD DRAWING NO. T.S.D.-730-9A
G. STANDARD DRAWING NO. T.S.D.-730-10
H. STANDARD DRAWING NO. T.S.D.-730-12
I. STANDARD DRAWING NO. T.S.D.-730-13
J. STANDARD DRAWING NO. T.S.D.-730-14
K. STANDARD DRAWING NO. T.S.D. NO. 29
L. STANDARD DRAWING NO. SHS-7
M. PROJECT DETAILS - SIGNAL POLE DETAILS (SHEET 63)

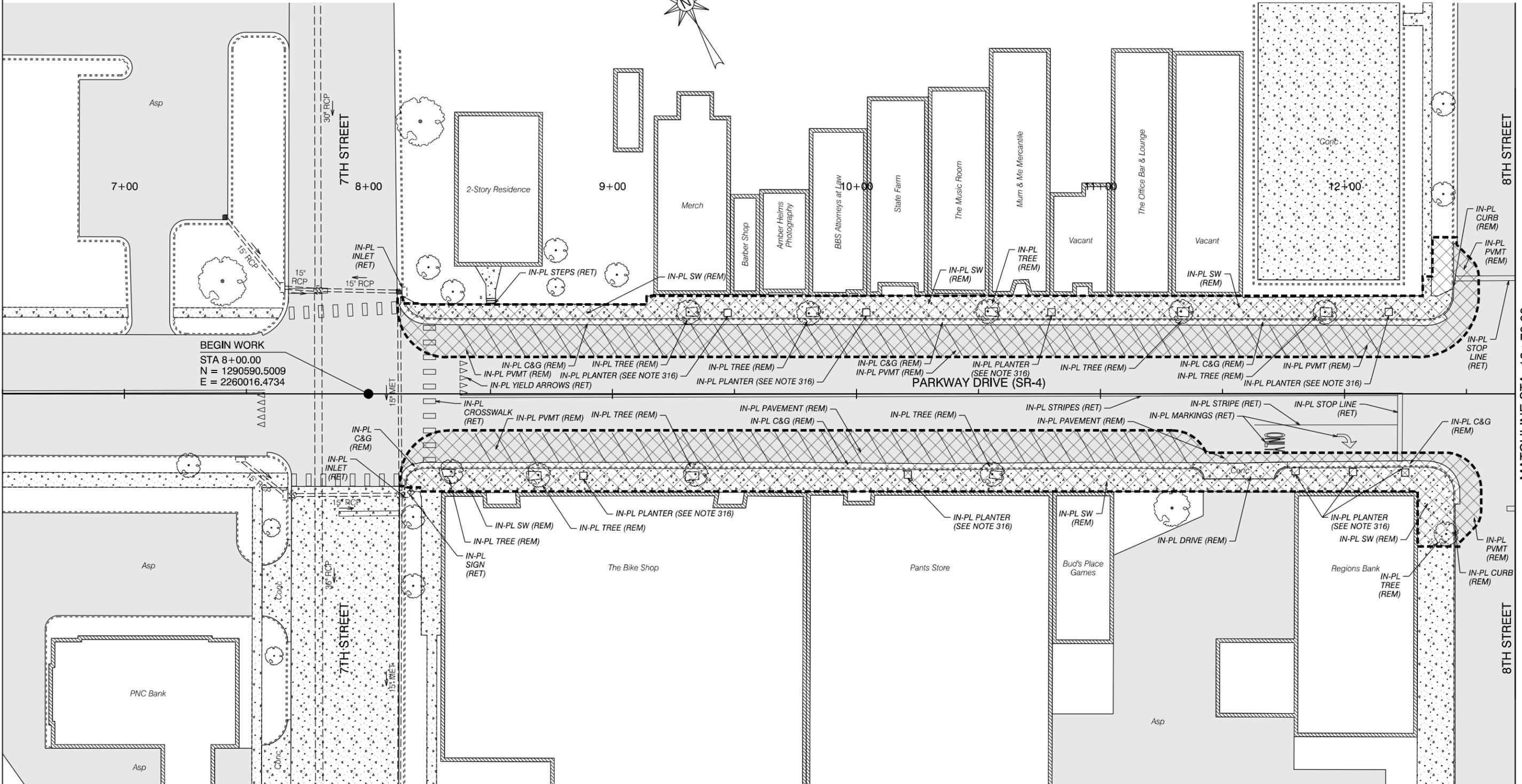
REQUIRED ITS EQUIPMENT AND INFRASTRUCTURE			
SHEET	DESCRIPTION	NETWORK DEVICE, CELLULAR MODEM	DRAWING NUMBERS
	LOCATION	729C-200	
		EACH	
61	SR-4 (US-78/PARKWAY DRIVE) AT 8TH STREET	1	
	TOTALS	1	

# DEMOLITION SHEET

PROJECT NOTES  
400  
401

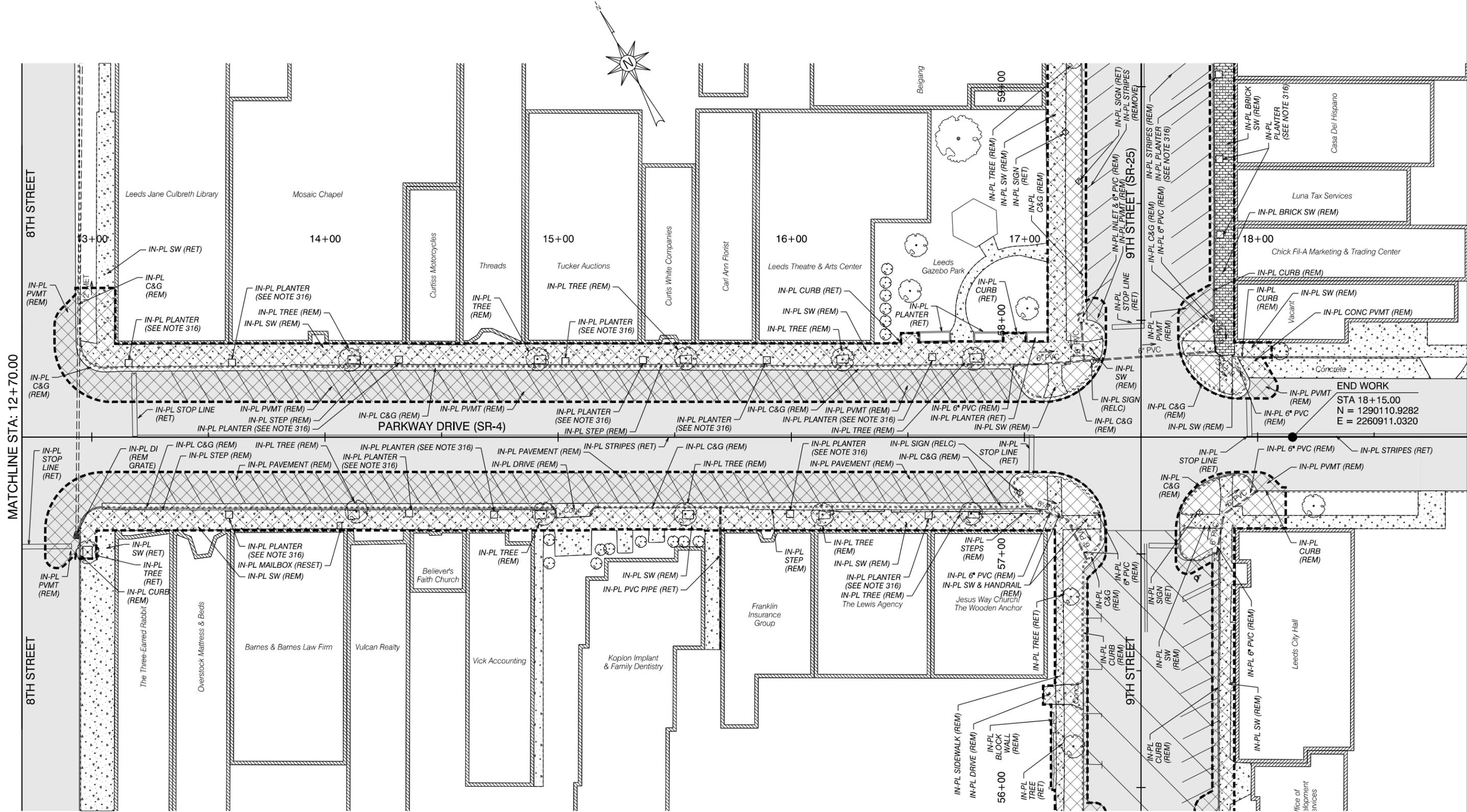
GN-2 NOTES  
126

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
TAPAA-TA22(911)	2024	4



# DEMOLITION SHEET

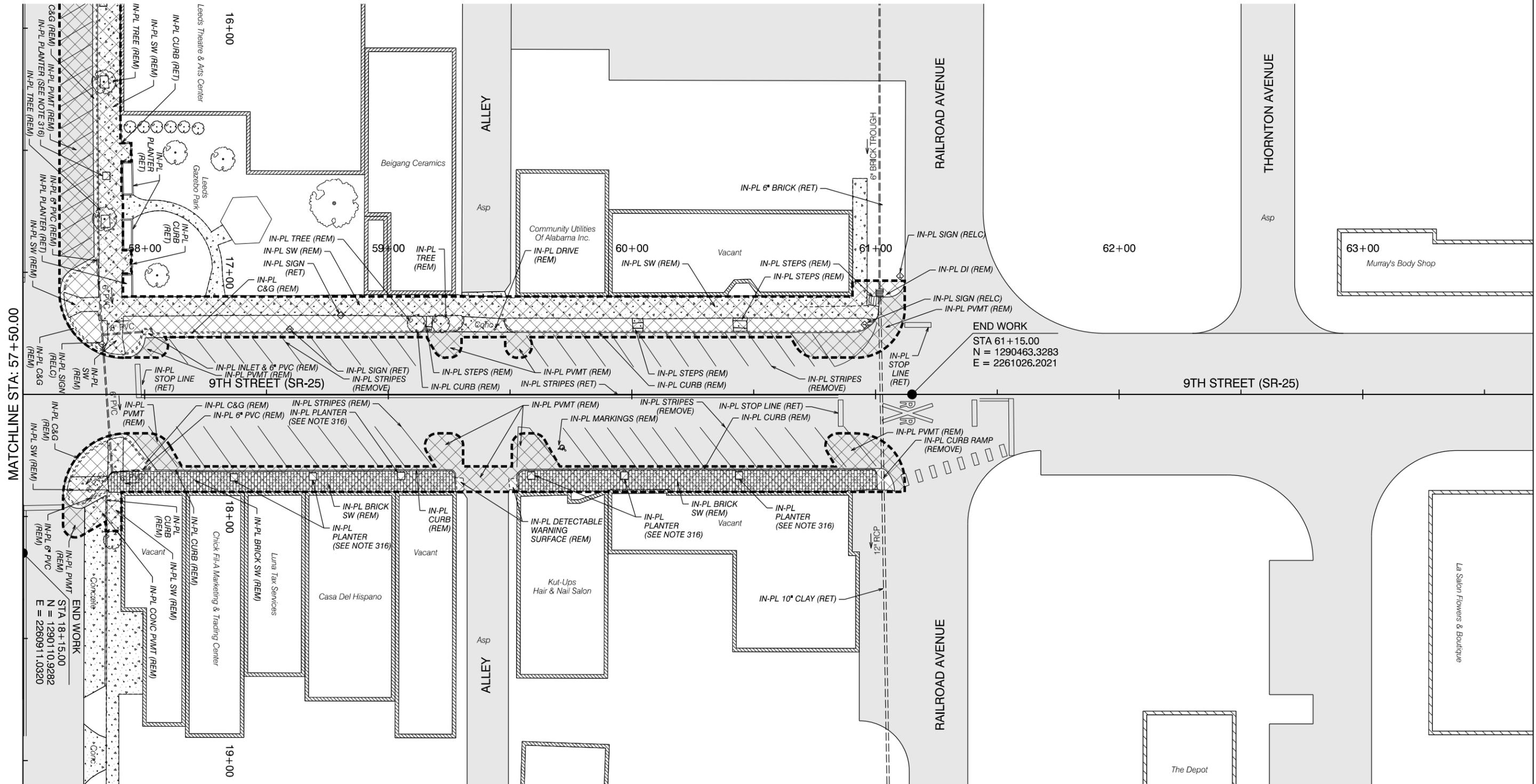
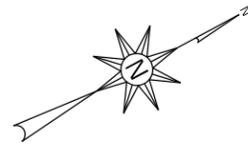
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
TAPAA-TA22(911)	2024	5





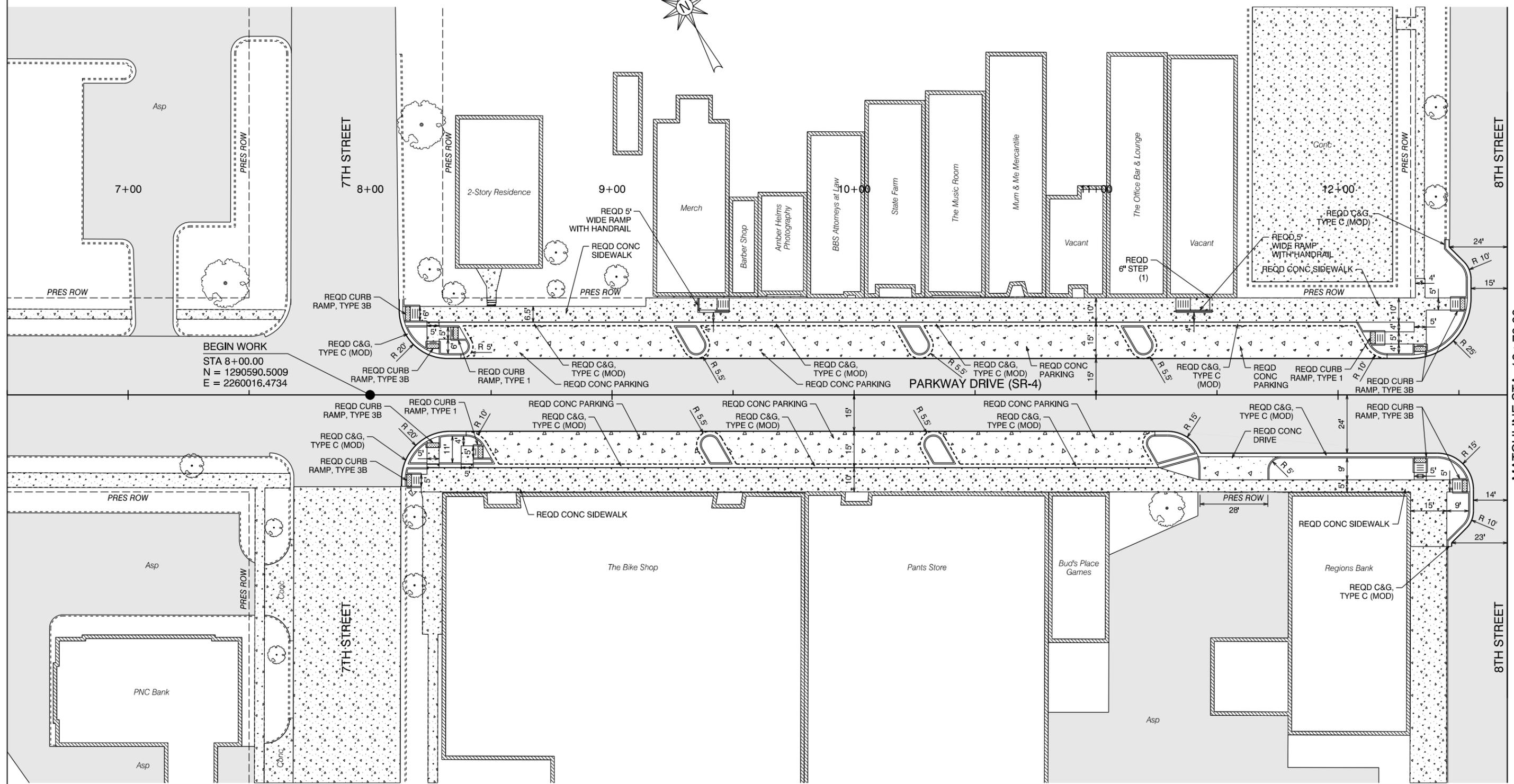
# DEMOLITION SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
TAPAA-TA22(911)	2024	7



# STREETSCAPE PLAN

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
TAPAA-TA22(911)	2024	11



BEGIN WORK  
 STA 8+00.00  
 N = 1290590.5009  
 E = 2260016.4734

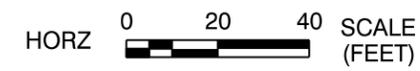
MATCHLINE STA: 12+70.00



REVISIONS:

PLAN SUBMITTAL

PLANS PREPARED BY:  
 GOODWYN MILLS CAWOOD, LLC

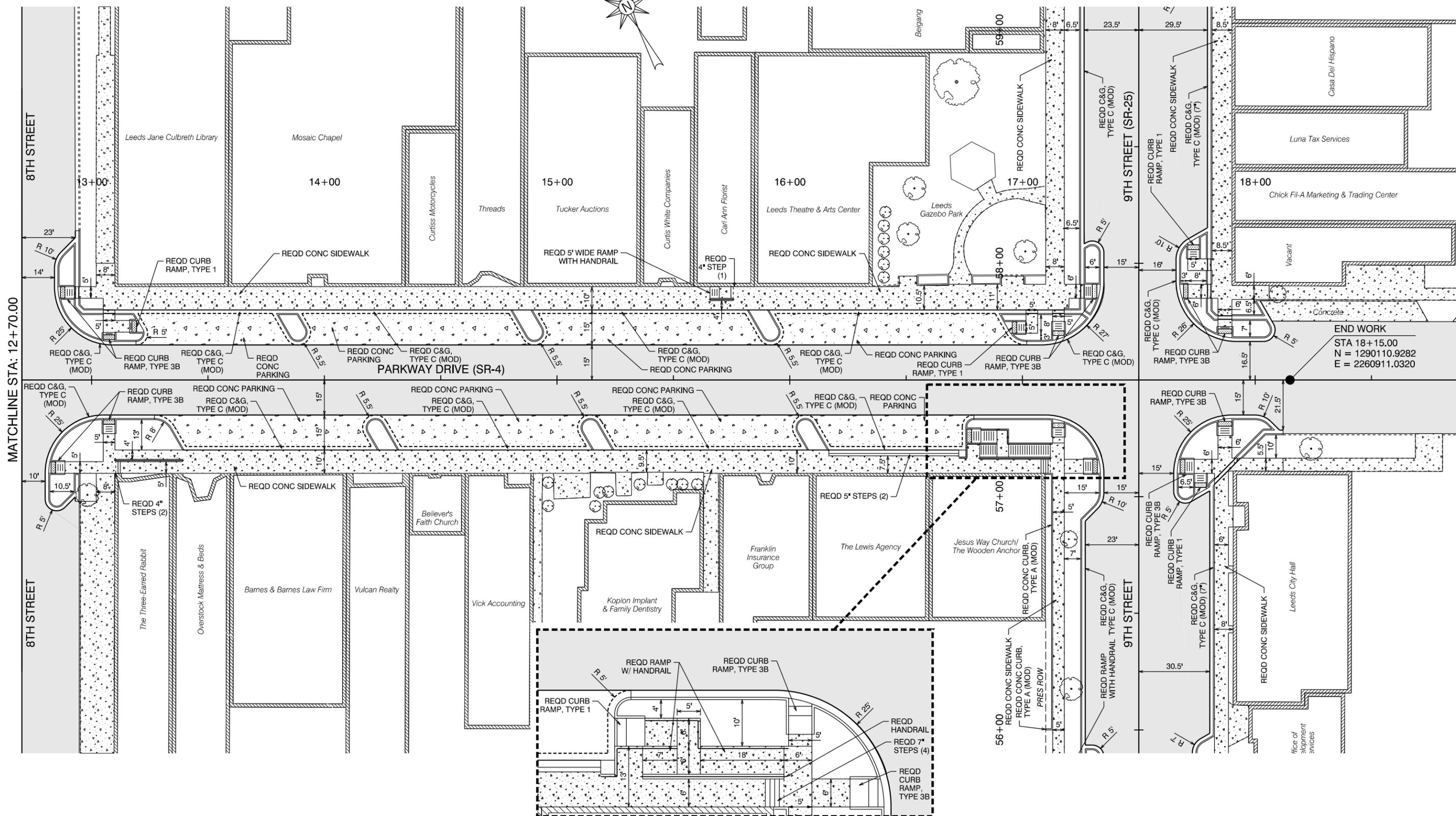
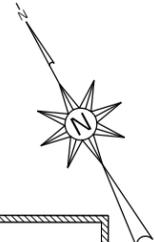


SHEET TITLE  
 STREETSCAPE PLAN

ROUTE  
 SR-4

# STREETSCAPE PLAN

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
TAPAA-TA22(911)	2024	12

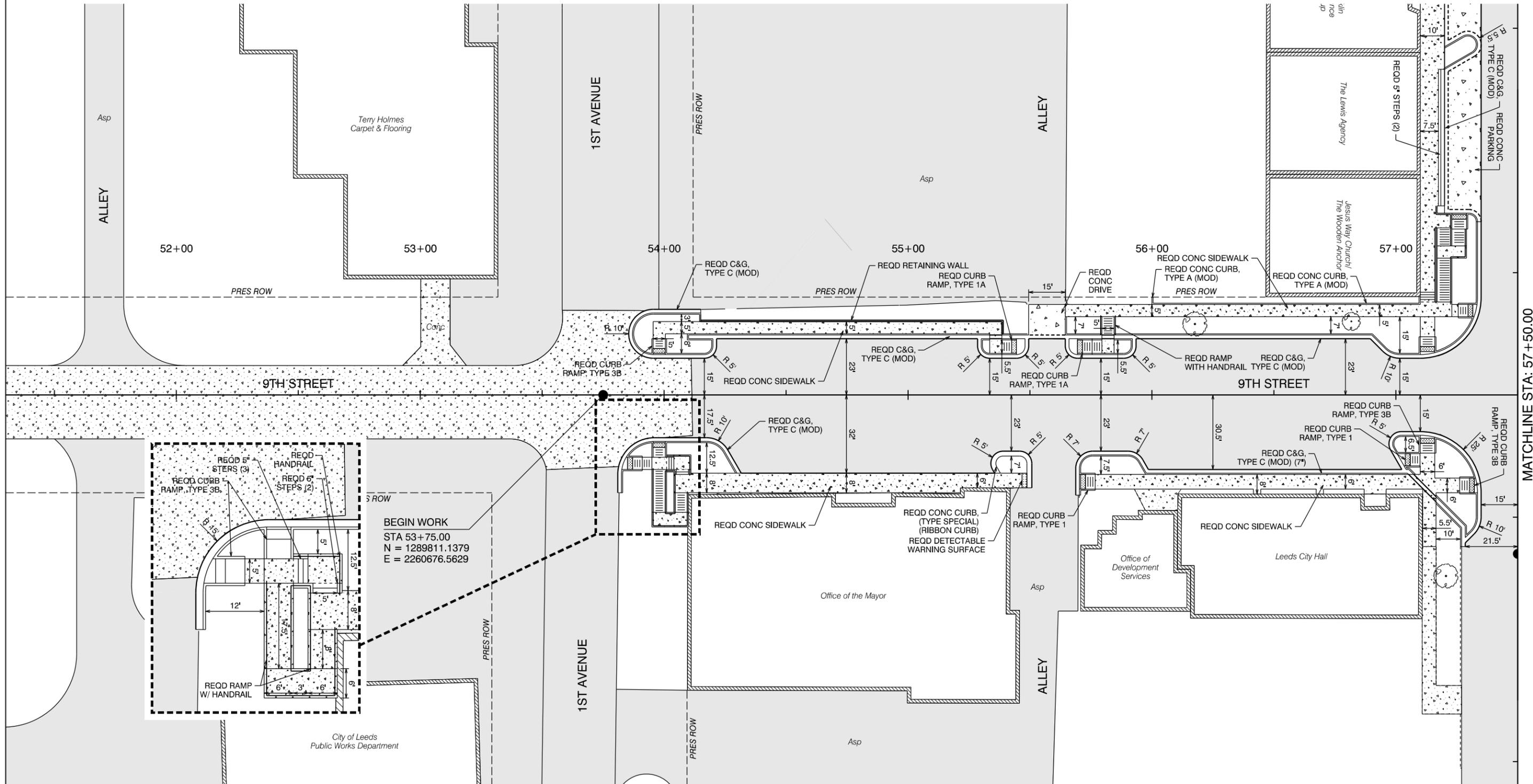


MATCHLINE STA: 12+70.00

**END WORK**  
 STA 18+15.00  
 N = 1290110.9282  
 E = 2260911.0320

# STREETSCAPE PLAN

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
TAPAA-TA22(911)	2024	13

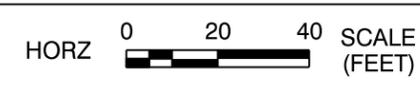


MATCHLINE STA: 57 + 50.00



REVISIONS:

PLAN SUBMITTAL  
PLANS PREPARED BY:  
GOODWYN MILLS CAWOOD, LLC

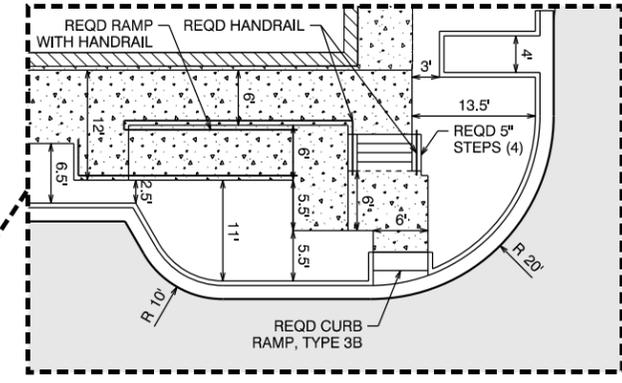
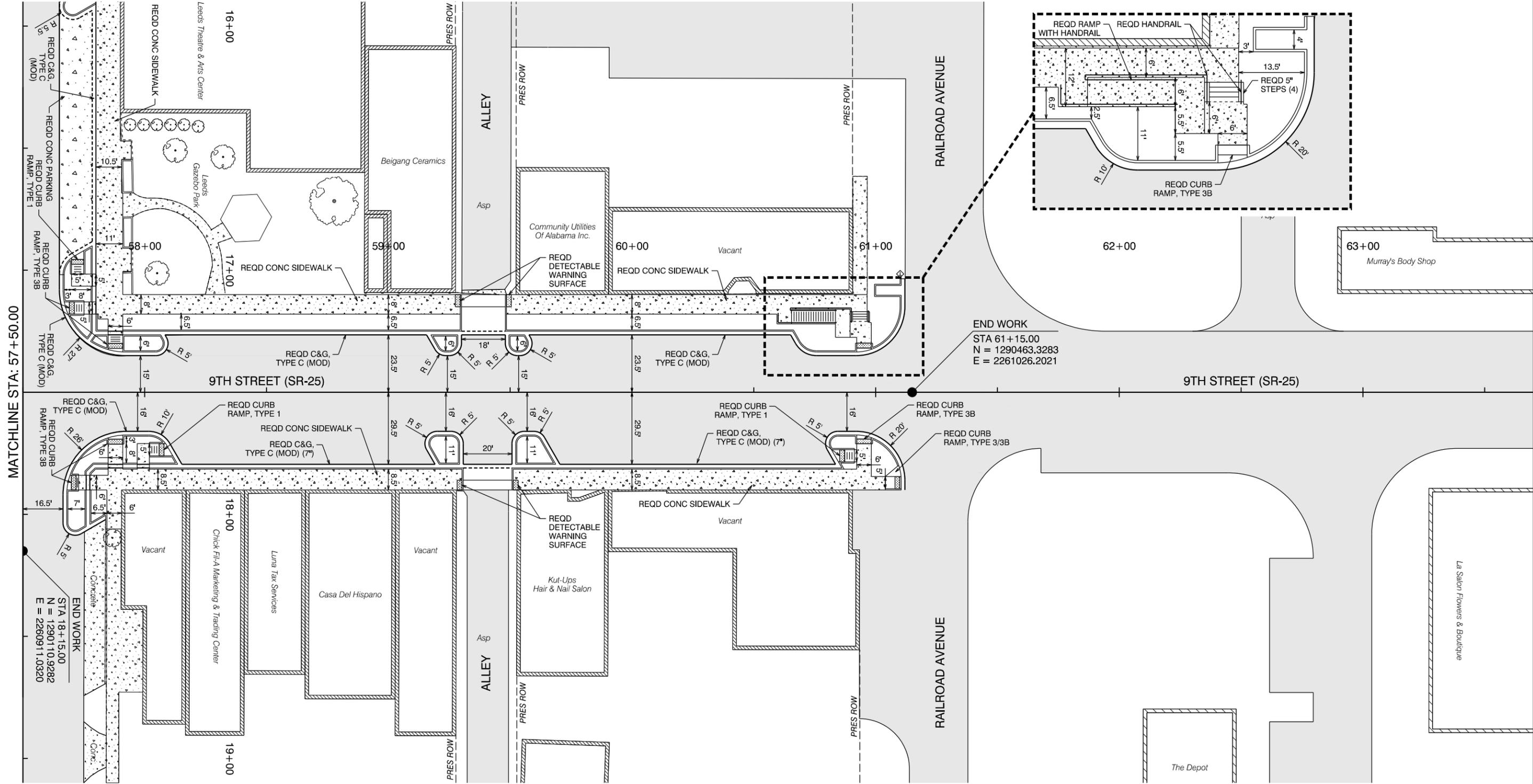
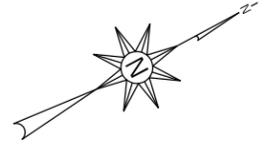


SHEET TITLE  
STREETSCAPE PLAN

ROUTE  
SR-4

# STREETSCAPE PLAN

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
TAPAA-TA22(911)	2024	14

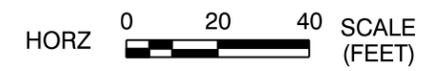


END WORK  
 STA 61+15.00  
 N = 1290463.3283  
 E = 2261026.2021

MATCHLINE STA: 57+50.00

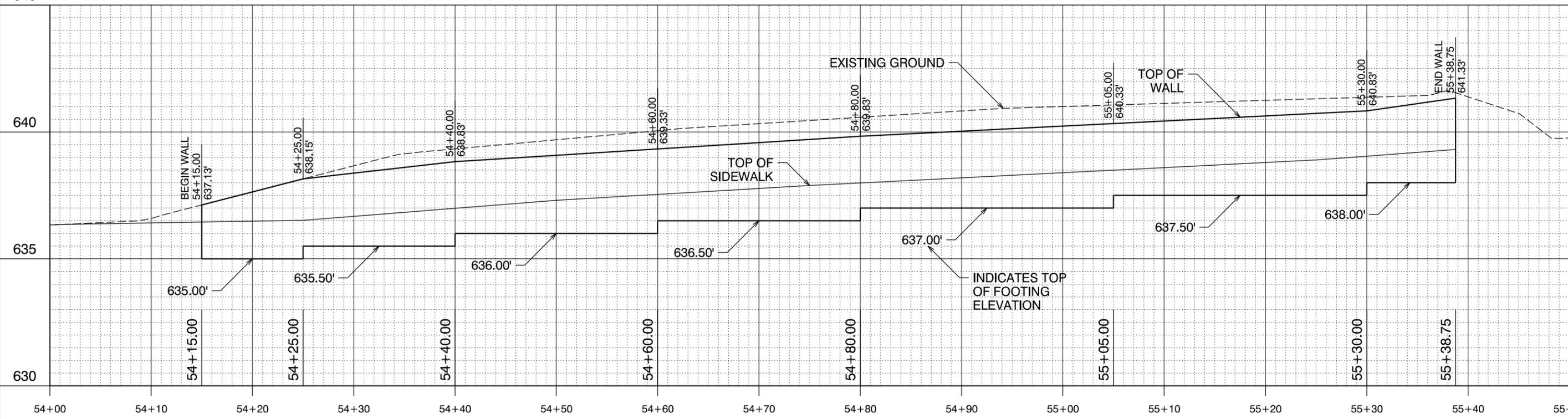
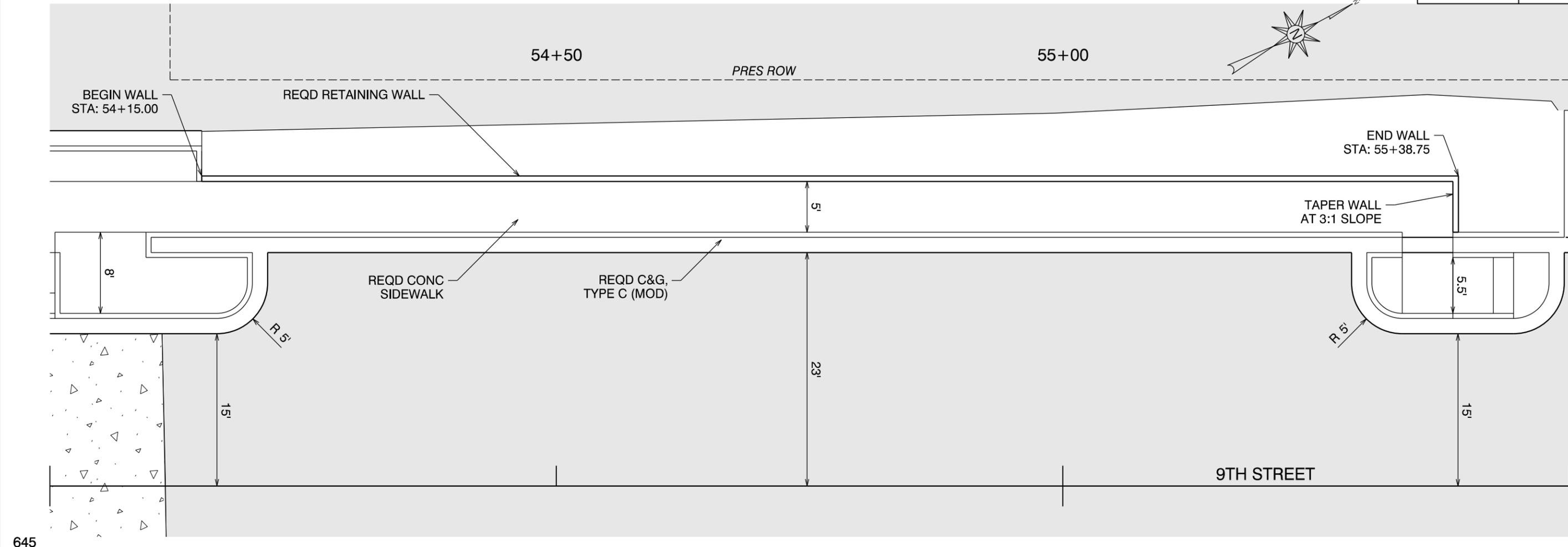
END WORK  
 STA 18+15.00  
 N = 1290110.9282  
 E = 2260911.0320

REVISIONS:



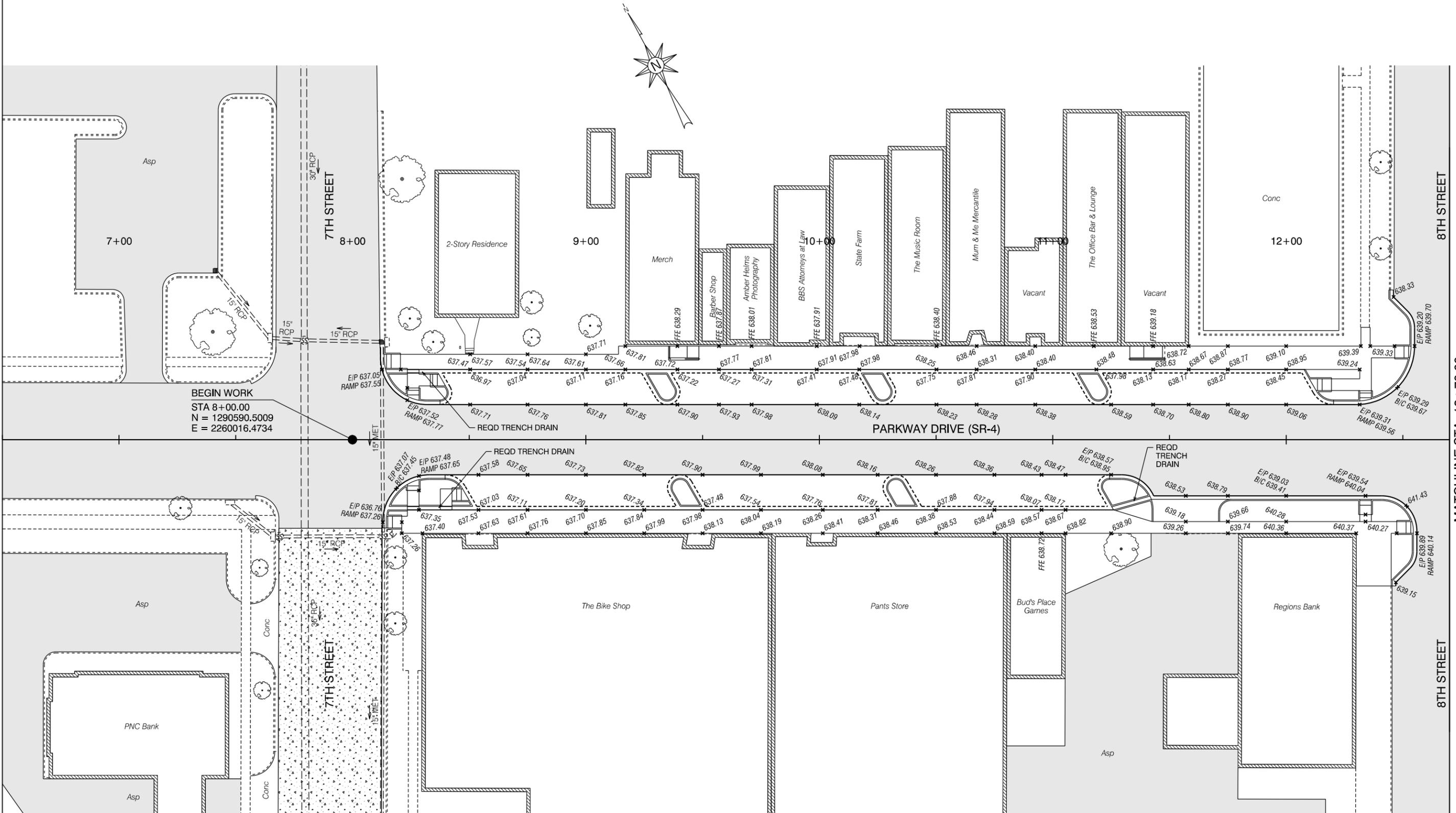
# RETAINING WALL PLAN AND PROFILE

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
TAPAA-TA22(911)	2024	15



# GRADING & DRAINAGE PLAN

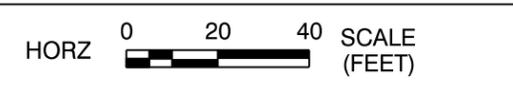
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
TAPAA-TA22(911)	2024	16



REVISIONS:

PLAN SUBMITTAL

PLANS PREPARED BY:  
GOODWYN MILLS CAWOOD, LLC

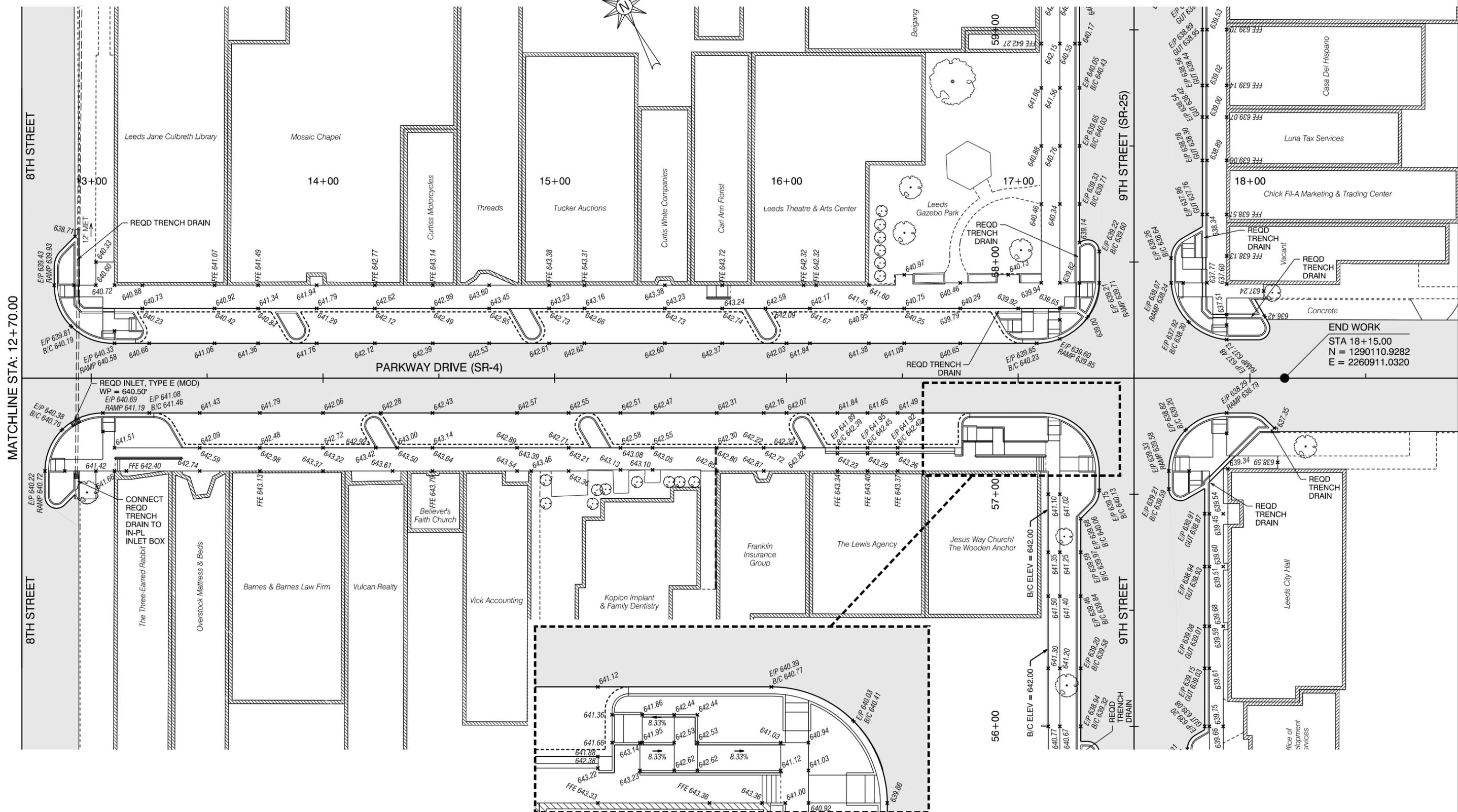


SHEET TITLE  
GRADING & DRAINAGE PLAN

ROUTE  
SR-4

# GRADING & DRAINAGE PLAN

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
TAPAA-TA22(911)	2024	17



MATCHLINE STA: 12+70.00

8TH STREET

8TH STREET

9TH STREET (SR-25)

9TH STREET

**END WORK**  
 STA 18+15.00  
 N = 1290110.9282  
 E = 2260911.0320

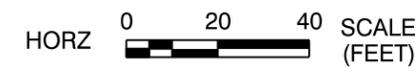


REVISIONS:

PLAN SUBMITTAL

PLANS PREPARED BY:

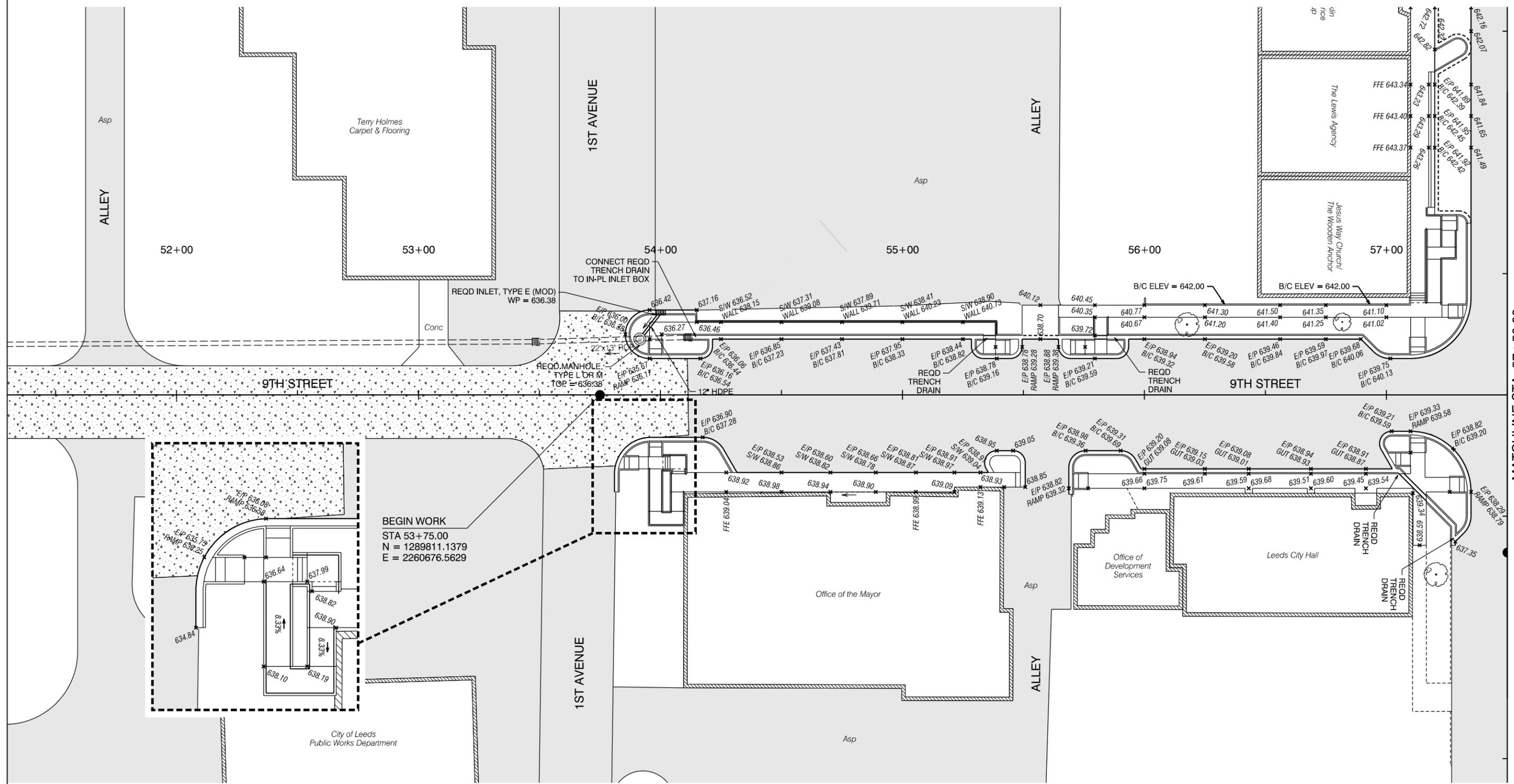
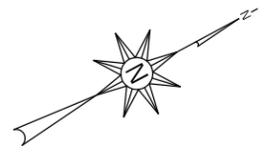
GOODWYN MILLS CAWOOD, LLC



SHEET TITLE	ROUTE
GRADING & DRAINAGE PLAN	SR-4

# GRADING & DRAINAGE PLAN

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
TAPAA-TA22(911)	2024	18



MATCHLINE STA: 57 + 50.00



ALABAMA DEPARTMENT OF TRANSPORTATION

REVISIONS:

PLAN SUBMITTAL

PLANS PREPARED BY:  
GOODWYN MILLS CAWOOD, LLC

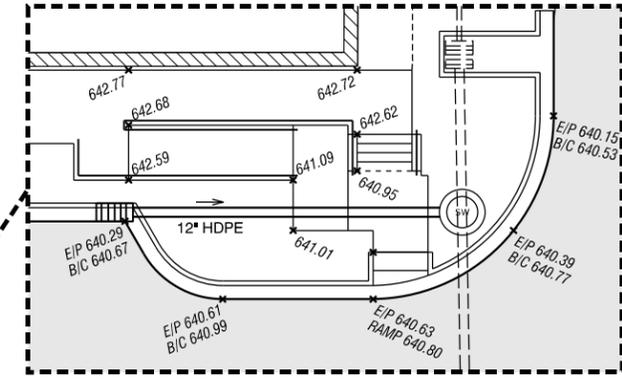
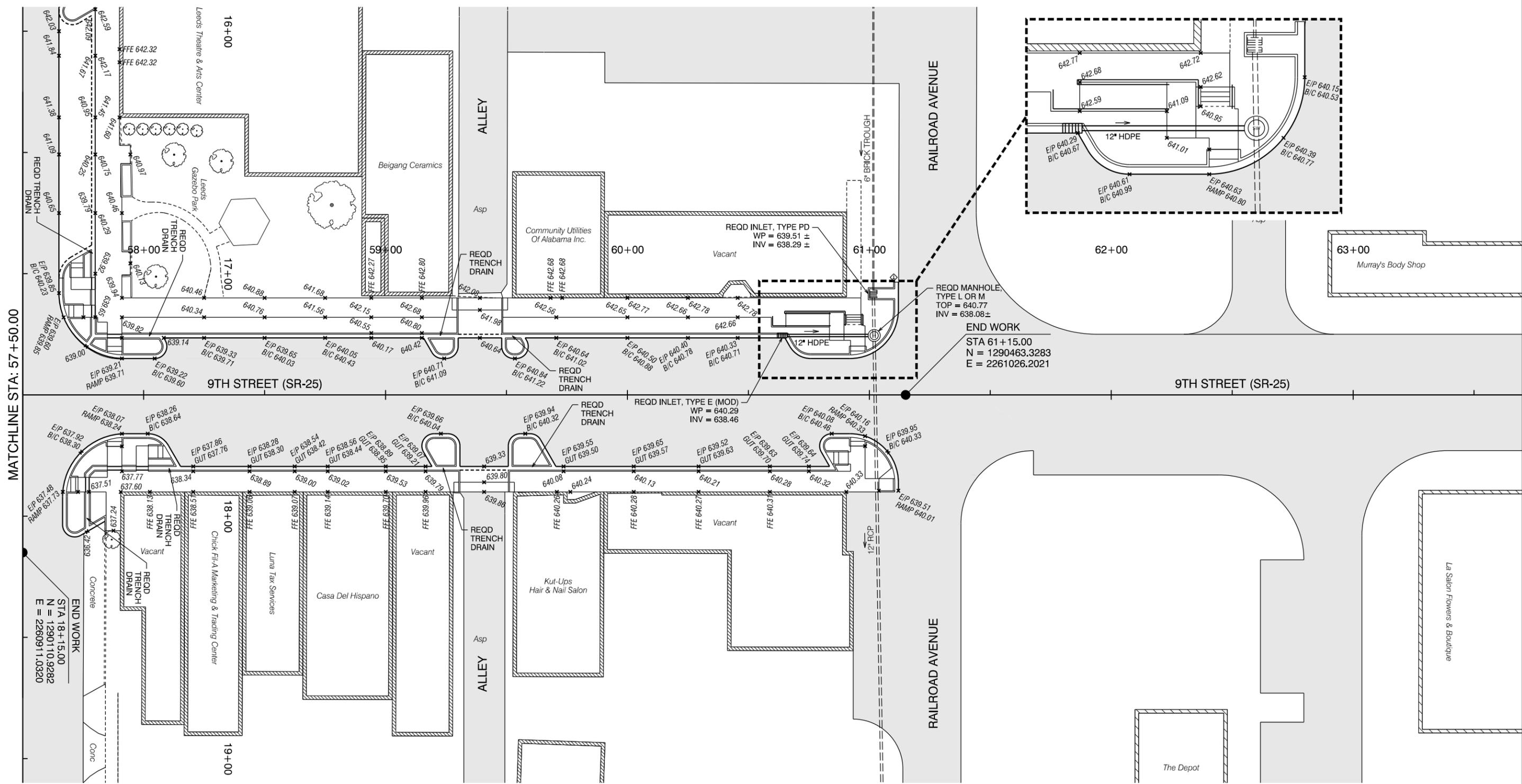
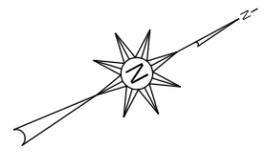


SHEET TITLE: GRADING & DRAINAGE PLAN

ROUTE: SR-4

# GRADING & DRAINAGE PLAN

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
TAPAA-TA22(911)	2024	19



MATCHLINE STA: 57 + 50.00

END WORK  
 STA 18 + 15.00  
 N = 1290110.9282  
 E = 2260911.0320

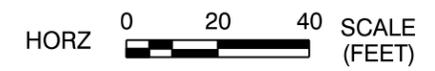
END WORK  
 STA 61 + 15.00  
 N = 1290463.3283  
 E = 2261026.2021



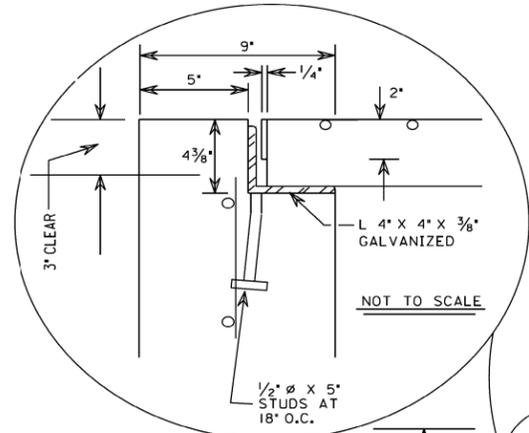
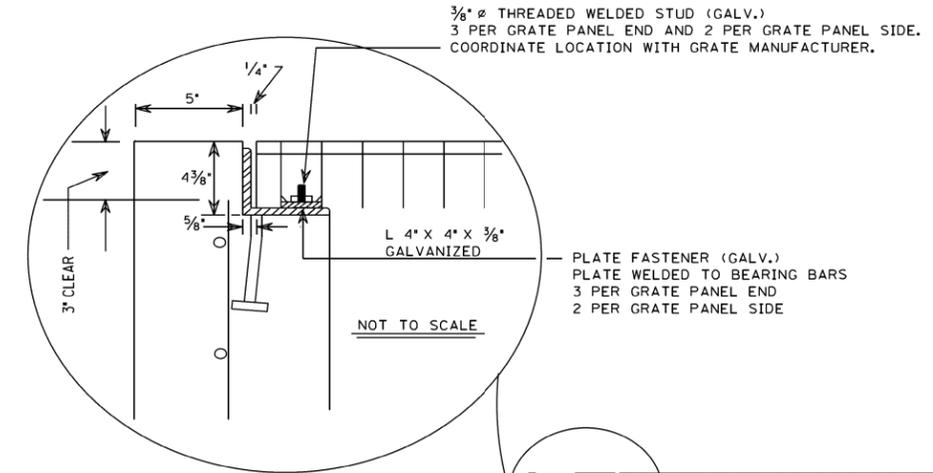
REVISIONS:

PLAN SUBMITTAL

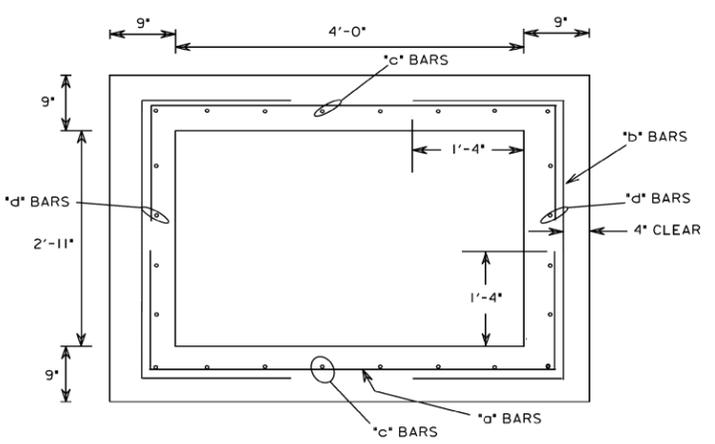
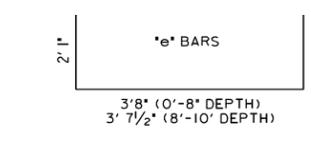
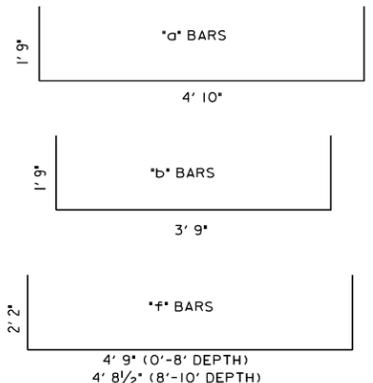
PLANS PREPARED BY:  
 GOODWYN MILLS CAWOOD, LLC



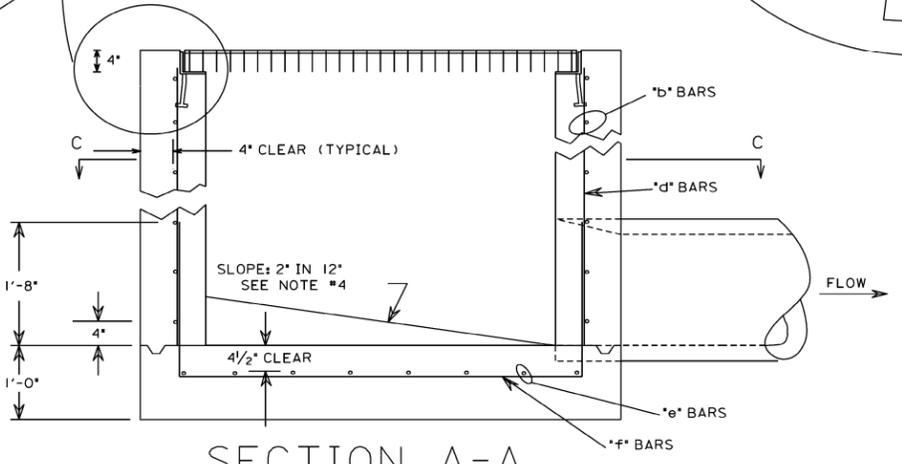
SHEET TITLE	ROUTE
GRADING & DRAINAGE PLAN	SR-4



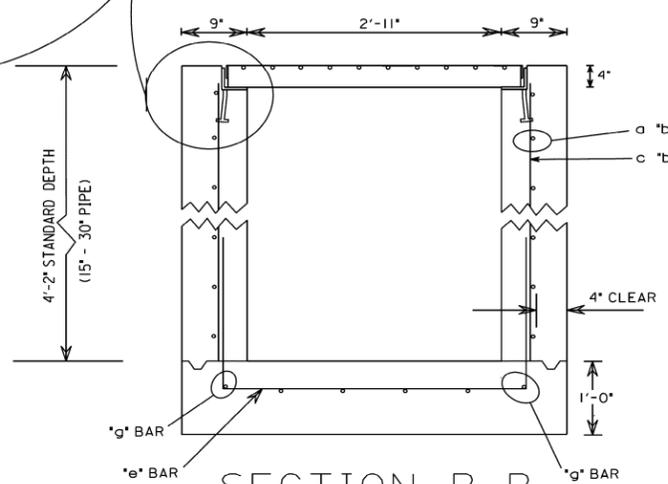
DEPTH "D"	a BARS + b BARS size spacing	c BARS STRAIGHT # size spacing	d BARS STRAIGHT # size spacing	e BARS # size spacing	f BARS # size spacing	g BARS STRAIGHT # size
0' - 8'	*4 @ 8"	16 #4 @ 8"	8 #4 @ 8.5"	8 #5 @ 8"	4 #5 @ 8.5"	2 #5
8' - 10'	*6 @ 8"	16 #6 @ 8"	8 #6 @ 8.5"	8 #5 @ 8"	4 #5 @ 8.5"	2 #5



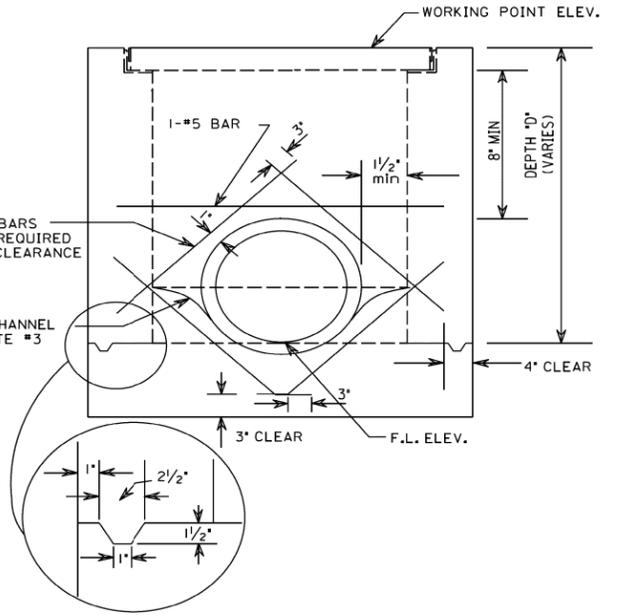
SECTION C-C



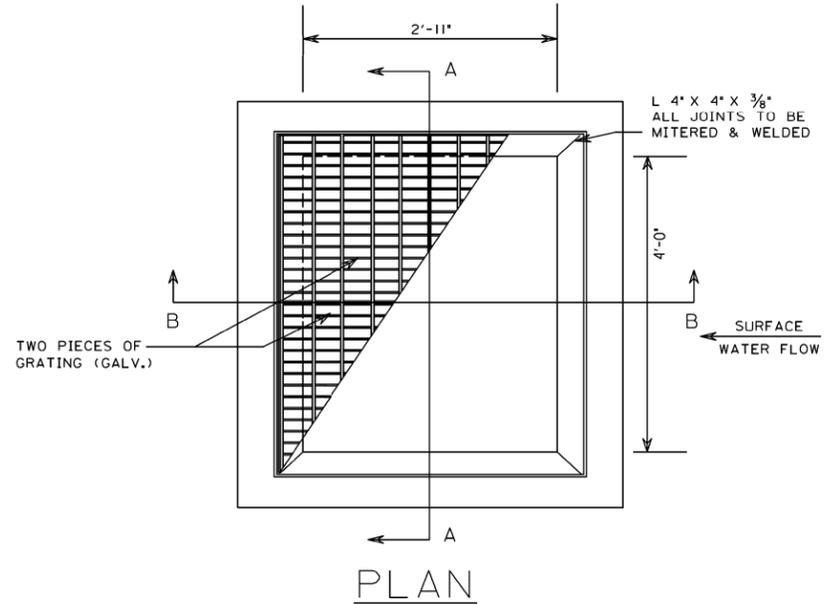
SECTION A-A



SECTION B-B



SECTION B-B



PLAN

GENERAL NOTES

- GRATE SPECIFICATION  
STEEL GRATING TO BE STYLE HW (HEAVY WELD) TYPE P18A AS MANUFACTURED BY IKG INDUSTRIES OR AN APPROVED EQUAL. THE GRATING MATERIAL SHALL CONFORM TO ASTM A36 STEEL SPECIFICATION FOR THE MAIN BEARING BARS. MAIN BARS TO BE 4" DEEP BY 1/4" THICK, SPACED AT 1 7/8" CENTERS. THE CROSS BARS SHALL BE WELDED AT EACH INTERSECTION OF THE MAIN BEARING BARS AND CROSS BARS USING 3/8" DIAMETER CROSS BARS, SPACED 4 INCHES ON CENTER. CROSS BARS SHALL BE BE FLUSH WITH THE TOP OF THE GRATING. GRATING SHALL SPAN 38 INCHES MAXIMUM SPAN AND SATISFY THE AASHTO LOADING FOR H-20/HS-20. THE GRATES, GRATE SEATS, NUTS, BOLTS, AND MISCELLANEOUS METAL HARDWARE SHALL BE HOT-DIPPED GALVANIZED AFTER FABRICATION. GRATE AND SEAT SHALL BE A SUBSIDIARY OBLIGATION OF ITEM NUMBER 621-C INLET, TYPE "PD".
- ALL SPLICE LENGTHS 36 BAR DIAMETERS MINIMUM.
- INVERT CHANNELS ARE REQUIRED IN BASE WHERE PIPE FLOW PASSES THROUGH THE BOX. CHANNELS MAYBE FORMED IN CONCRETE OR CONSTRUCTED LATER USING A CEMENT CONCRETE MORTAR. CHANGES IN DIRECTION OF FLOW SHALL HAVE A TRUE CURVE OF AS LARGE A RADIUS AS SIZE WILL PERMIT AND BE FINISHED UP TO CENTER OF PIPE.
- WHERE PIPE BEGINS AT PIPE BOX, SLOPE BOTTOM 2" PER 12' TOWARDS PIPE. BOTTOM MAYBE FORMED IN CONCRETE OR CONSTRUCTED LATER USING A CEMENT CONCRETE MORTAR.
- THIS INLET IS NOT FOR USE ON PAVEMENT OR WHERE IT CAN BE SUBJECT TO TRAFFIC LOADS.
- WHERE PIPE SHELL THICKNESS INTERFERE WITH BASE SLAB REINFORCING AND BEND REINFORCING DOWN UNDER PIPE.

ALABAMA DEPARTMENT OF TRANSPORTATION

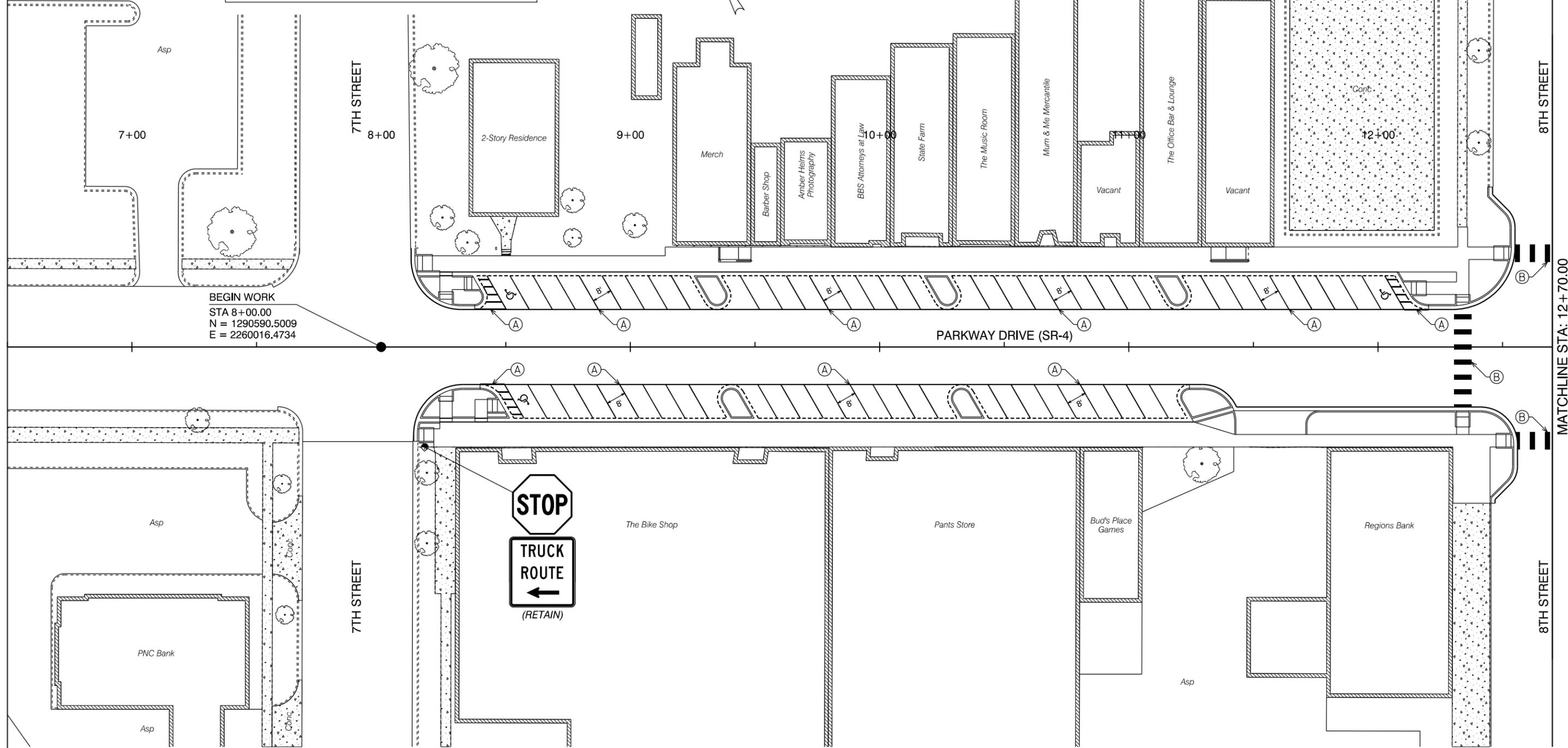
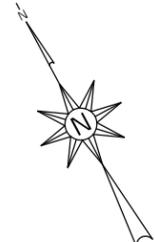
THIS DRAWING REPRESENTS DESIGNS PREPARED FOR USE BY THE ALABAMA DEPARTMENT OF TRANSPORTATION AND IS NOT TO BE COPIED, REPRODUCED, ALTERED, OR USED BY ANYONE, OR ANY ORGANIZATION, WITHOUT THE EXPRESSED WRITTEN CONSENT OF THE ALABAMA DEPARTMENT OF TRANSPORTATION REPRESENTATIVE AUTHORIZED TO APPROVE THIS USE. ANYONE MAKING UNAUTHORIZED USE OF THIS DRAWING MAY BE PROSECUTED TO THE FULLEST EXTENT OF THE LAW.	
<p>REVISIONS</p> <p>1. Updates completed on 08-11-15 by D.R. and J.F.T.</p>	<p><b>ALABAMA DEPARTMENT OF TRANSPORTATION</b> 1409 COLISEUM BOULEVARD MONTGOMERY, AL 36130-3050</p> <p>DESIGN BUREAU SPECIAL DRAWING</p> <p>DETAIL OF BICYCLE SAFE DITCH INLET TYPE - PD</p>
Bureau Std Engr: L.V.S. DRAWN BY: _____ DATE DRAWN: _____	<p>SPECIAL DRAWING NO</p> <p>SPECIAL PROJECT DETAIL</p> <p>INDEX NO</p>

NOT TO SCALE

# STRIPING & SIGNING PLAN

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
TAPAA-TA22(911)	2024	21

STRIPING LEGEND	
(A)	4" SOLID WHITE TRAFFIC STRIPE
(B)	24" WHITE TRAFFIC CONTROL MARKING
(C)	4" SOLID YELLOW TRAFFIC STRIPE
♿	SPECIALITY TRAFFIC CONTROL MARKING (HANDICAP)



BEGIN WORK  
 STA 8+00.00  
 N = 1290590.5009  
 E = 2260016.4734

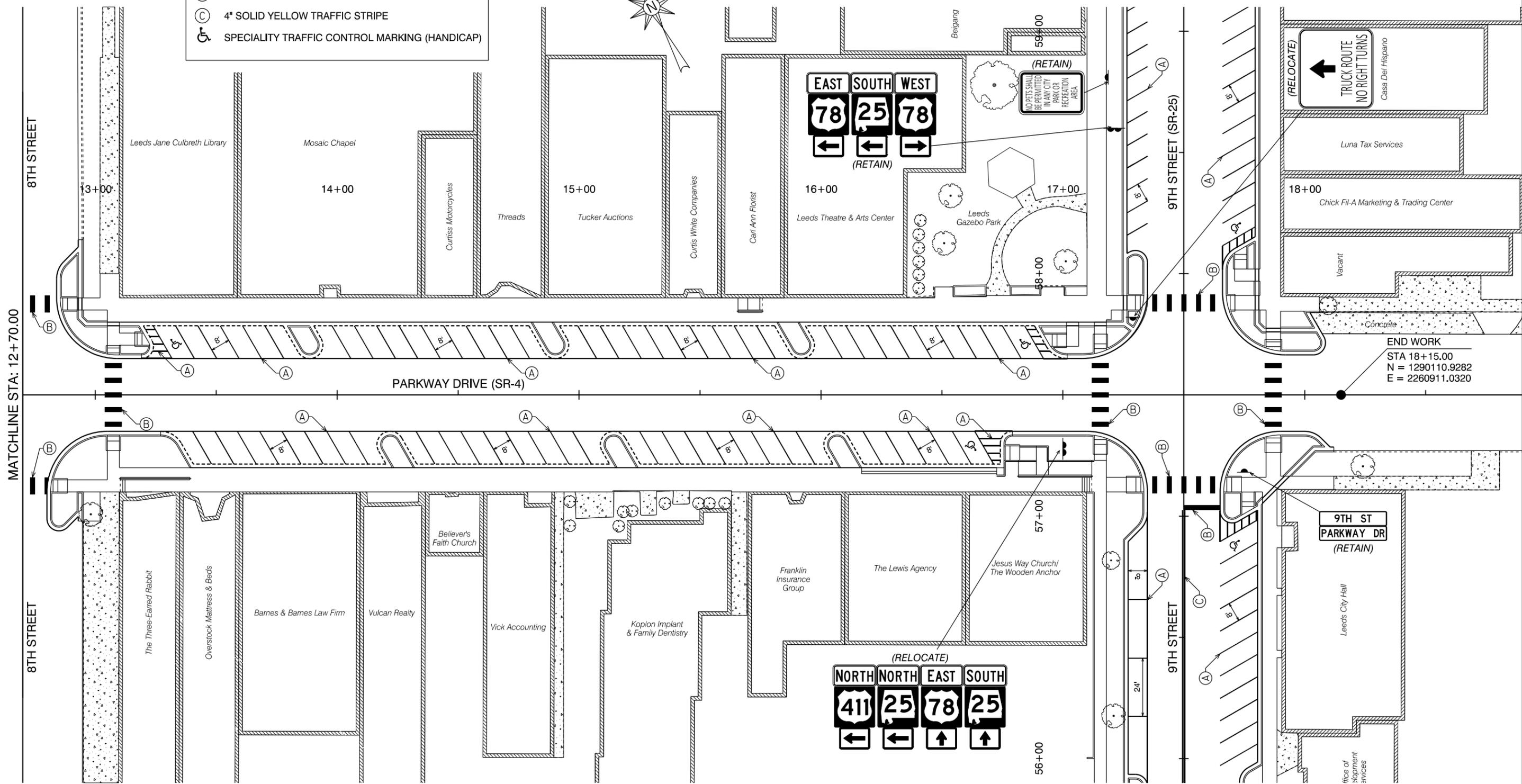
**STOP**  
**TRUCK ROUTE**  
 ←  
 (RETAIN)

# STRIPING & SIGNING PLAN

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
TAPAA-TA22(911)	2024	22

**STRIPING LEGEND**

- (A) 4" SOLID WHITE TRAFFIC STRIPE
- (B) 24" WHITE TRAFFIC CONTROL MARKING
- (C) 4" SOLID YELLOW TRAFFIC STRIPE
- ♿ SPECIALITY TRAFFIC CONTROL MARKING (HANDICAP)

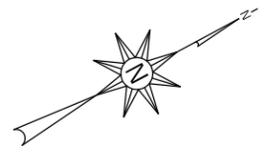


MATCHLINE STA: 12+70.00

END WORK  
 STA 18+15.00  
 N = 1290110.9282  
 E = 2260911.0320

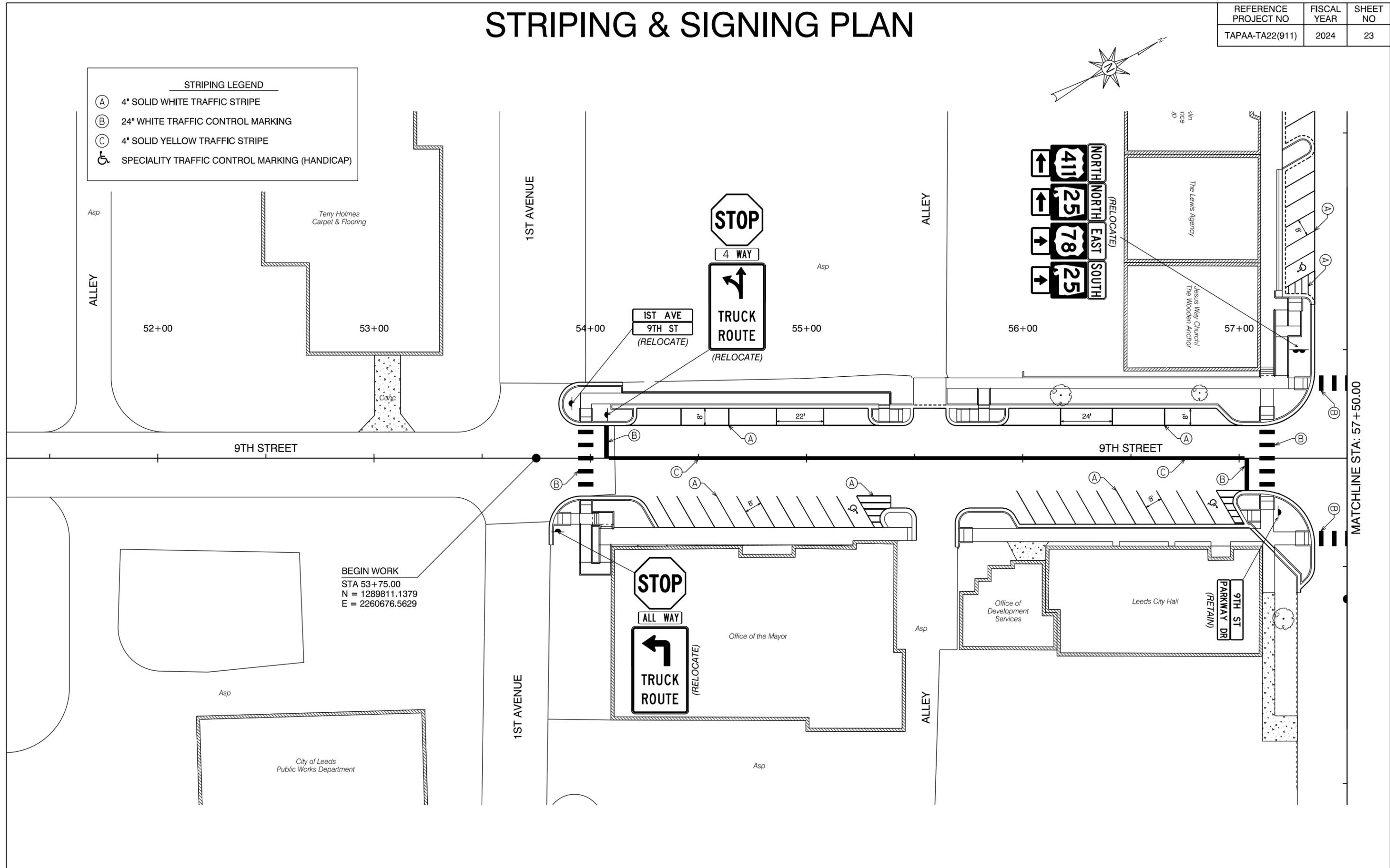
# STRIPING & SIGNING PLAN

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
TAPAA-TA22(911)	2024	23



**STRIPING LEGEND**

- (A) 4" SOLID WHITE TRAFFIC STRIPE
- (B) 24" WHITE TRAFFIC CONTROL MARKING
- (C) 4" SOLID YELLOW TRAFFIC STRIPE
- ♿ SPECIALITY TRAFFIC CONTROL MARKING (HANDICAP)



REVISIONS:

PLAN SUBMITTAL

PLANS PREPARED BY:  
GOODWYN MILLS CAWOOD, LLC



SHEET TITLE

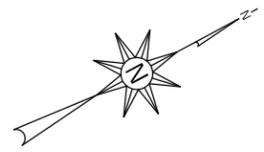
STRIPING & SIGNING PLAN

ROUTE

SR-4

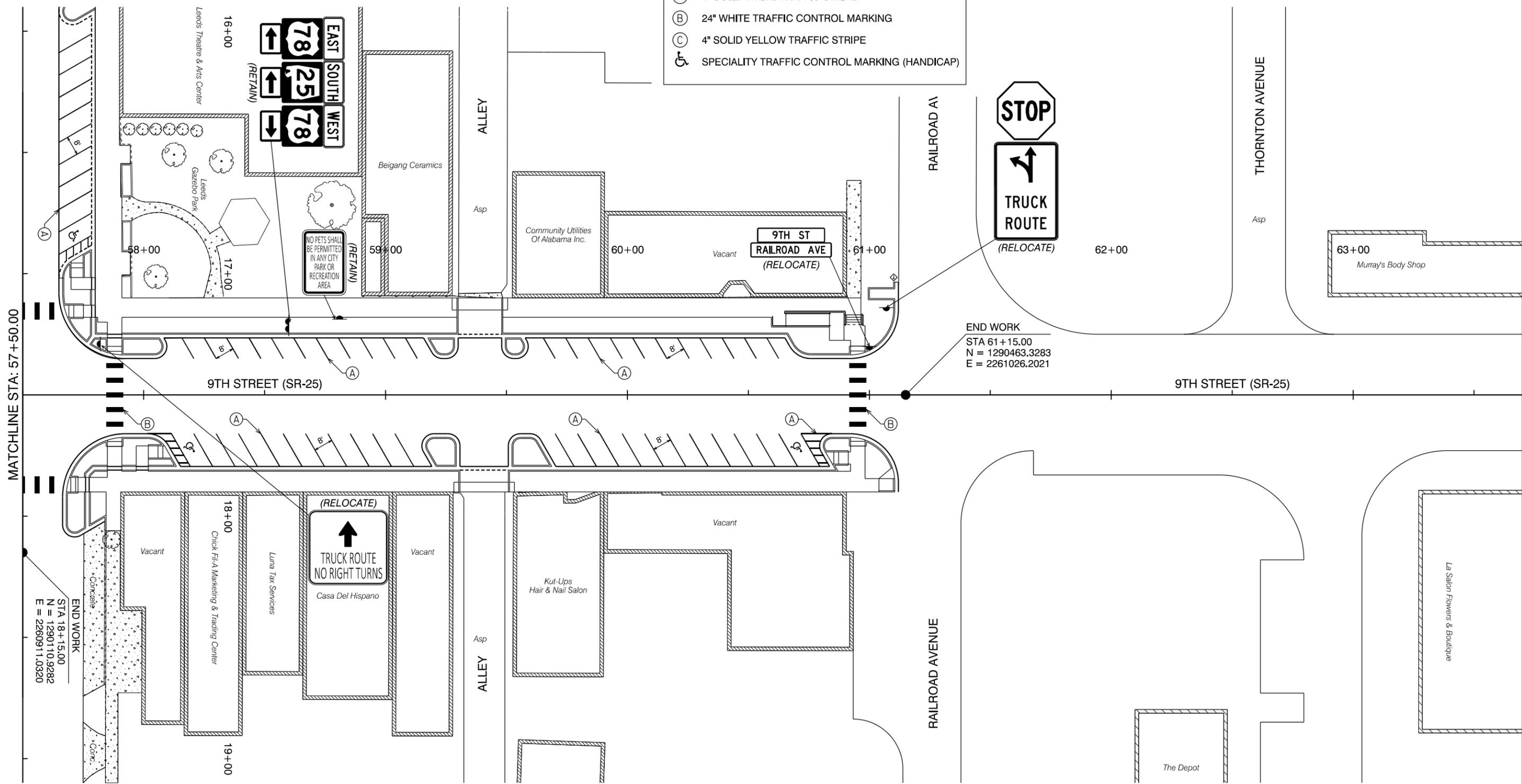
# STRIPING & SIGNING PLAN

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
TAPAA-TA22(911)	2024	24



**STRIPING LEGEND**

- (A) 4" SOLID WHITE TRAFFIC STRIPE
- (B) 24" WHITE TRAFFIC CONTROL MARKING
- (C) 4" SOLID YELLOW TRAFFIC STRIPE
- ♿ SPECIALITY TRAFFIC CONTROL MARKING (HANDICAP)



MATCHLINE STA: 57+50.00

END WORK  
 STA 61+15.00  
 N = 1290463.3283  
 E = 2261026.2021

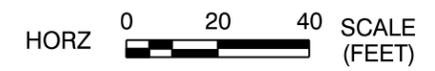
END WORK  
 STA 18+15.00  
 N = 1290110.9282  
 E = 2260911.0320



REVISIONS:

PLAN SUBMITTAL

PLANS PREPARED BY:  
 GOODWYN MILLS CAWOOD, LLC

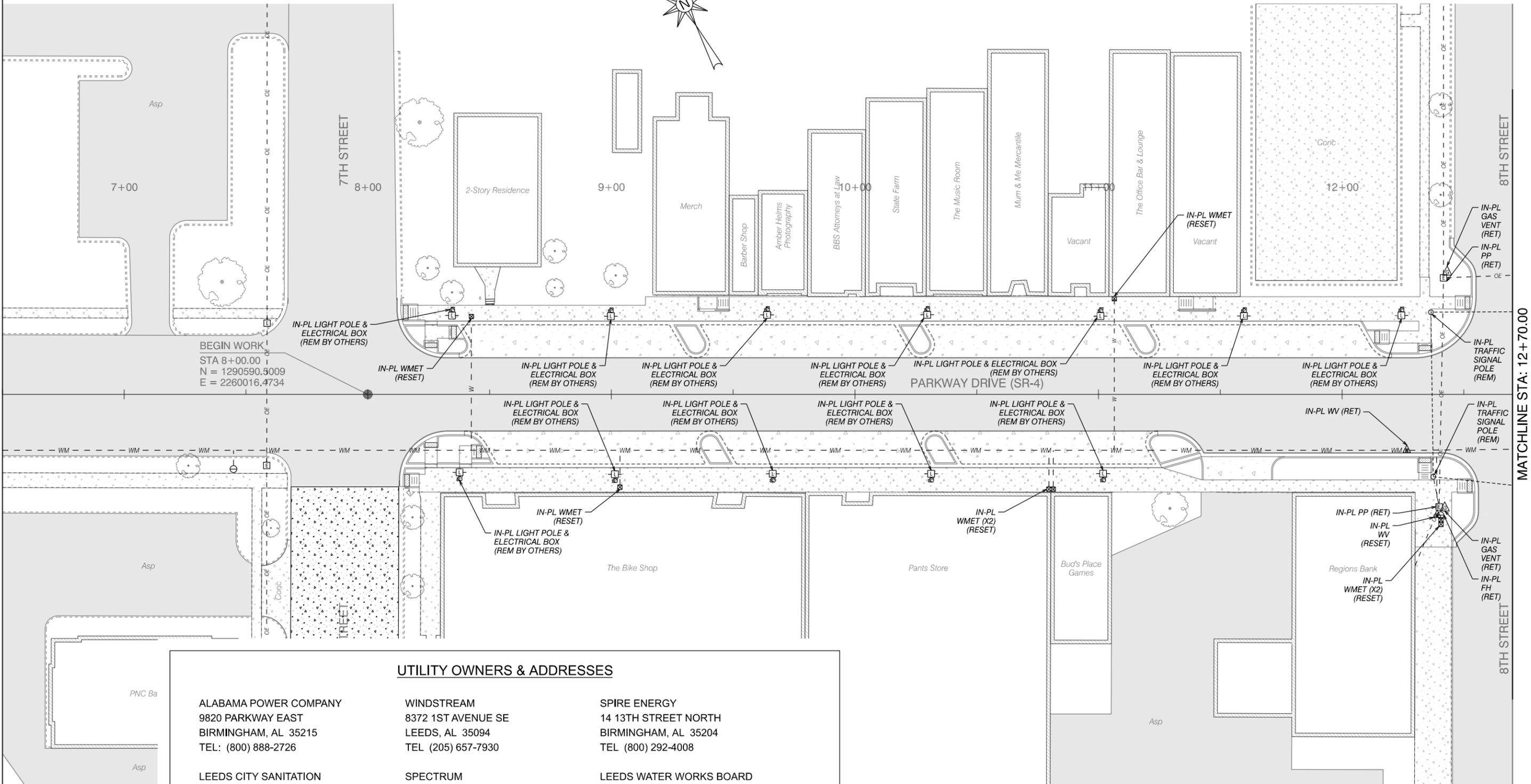


SHEET TITLE	ROUTE
STRIPING & SIGNING PLAN	SR-4

# UTILITY PLAN

PROJECT NOTES  
800  
801

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
TAPAA-TA22(911)	2024	26



### UTILITY OWNERS & ADDRESSES

ALABAMA POWER COMPANY  
9820 PARKWAY EAST  
BIRMINGHAM, AL 35215  
TEL: (800) 888-2726

WINDSTREAM  
8372 1ST AVENUE SE  
LEEDS, AL 35094  
TEL (205) 657-7930

SPIRE ENERGY  
14 13TH STREET NORTH  
BIRMINGHAM, AL 35204  
TEL (800) 292-4008

LEEDS CITY SANITATION  
8475 1ST AVENUE SE  
LEEDS, AL 35094  
TEL: (205) 699-6397

SPECTRUM  
1680 MONTCLAIR ROAD SUITE 1000  
BIRMINGHAM, AL 35210  
(833) 780-1880

LEEDS WATER WORKS BOARD  
8651 THORNTON AVENUE  
LEEDS, AL 35094  
TEL: (205) 699-5151



REVISIONS:

PLAN SUBMITTAL

PLANS PREPARED BY:

HORZ 0 20 40 SCALE (FEET)

SHEET TITLE

ROUTE

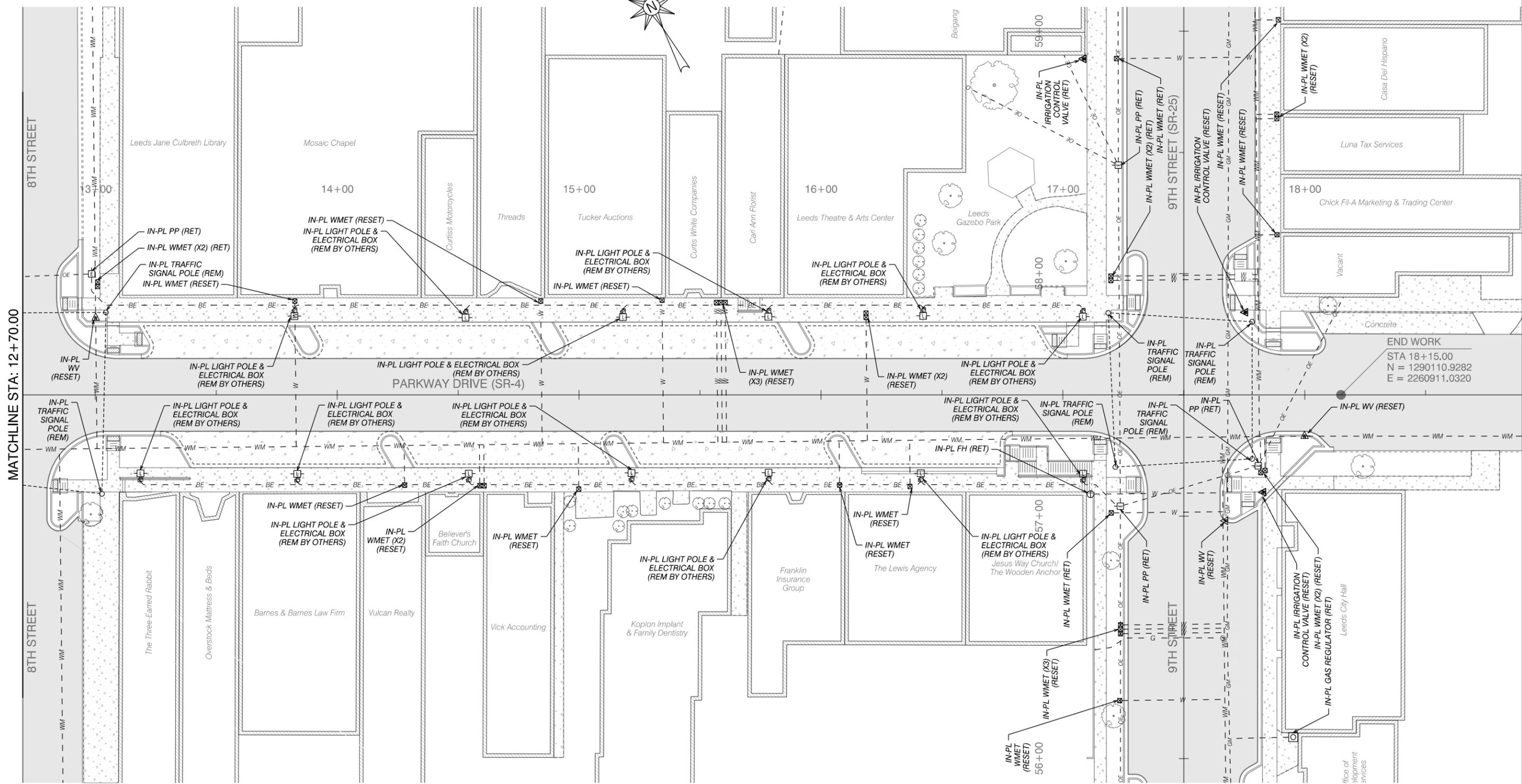
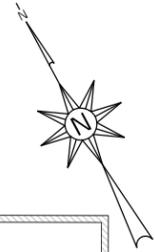
GOODWYN MILLS CAWOOD, LLC

UTILITY PLAN

SR-4

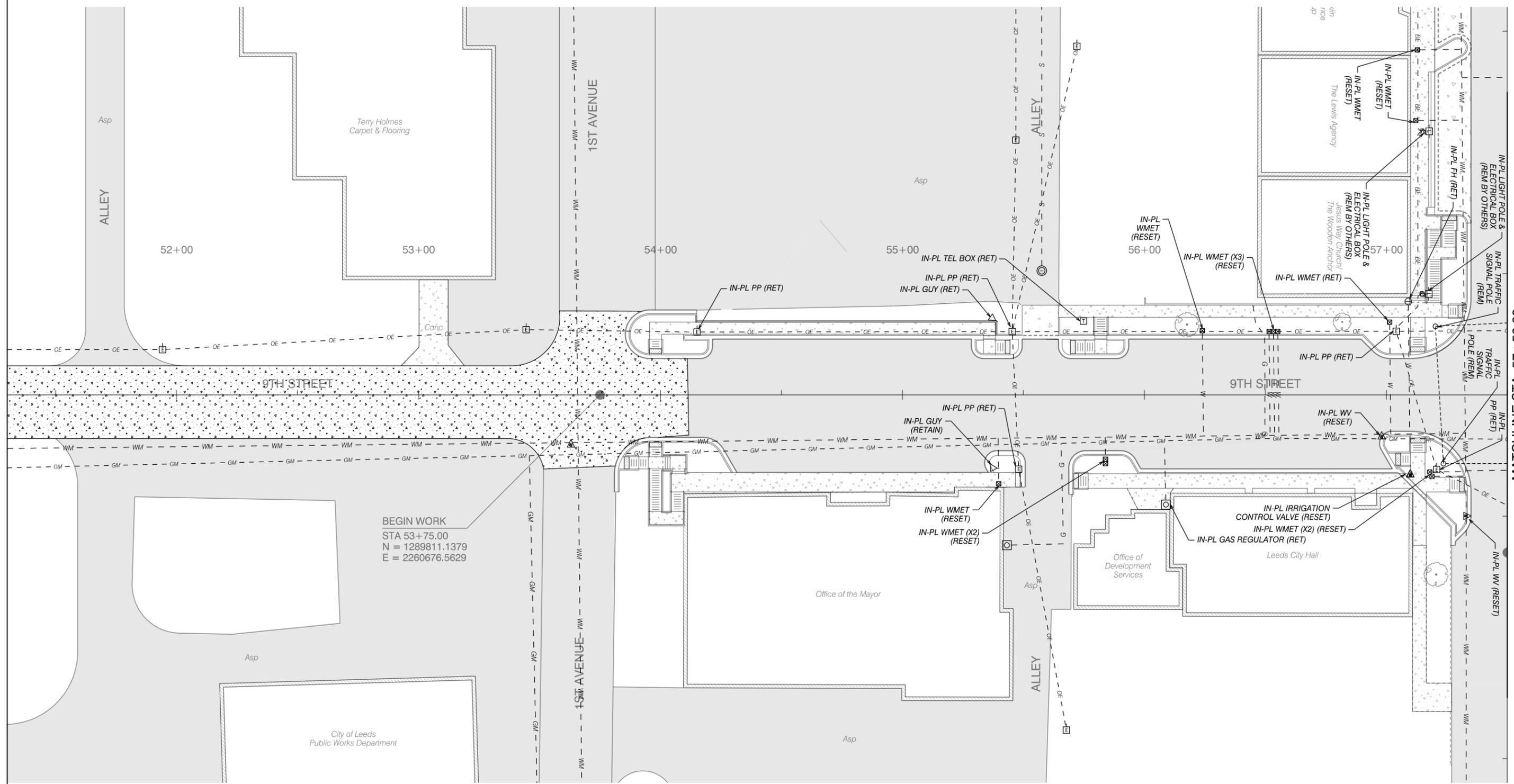
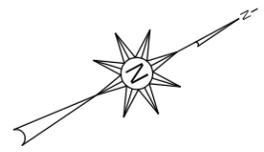
# UTILITY PLAN

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
TAPAA-TA22(911)	2024	27



# UTILITY PLAN

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
TAPAA-TA22(911)	2024	28



BEGIN WORK  
 STA 53+75.00  
 N = 1289811.1379  
 E = 2260676.5629



REVISIONS:

PLAN SUBMITTAL

PLANS PREPARED BY:  
 GOODWYN MILLS CAWOOD, LLC



SHEET TITLE

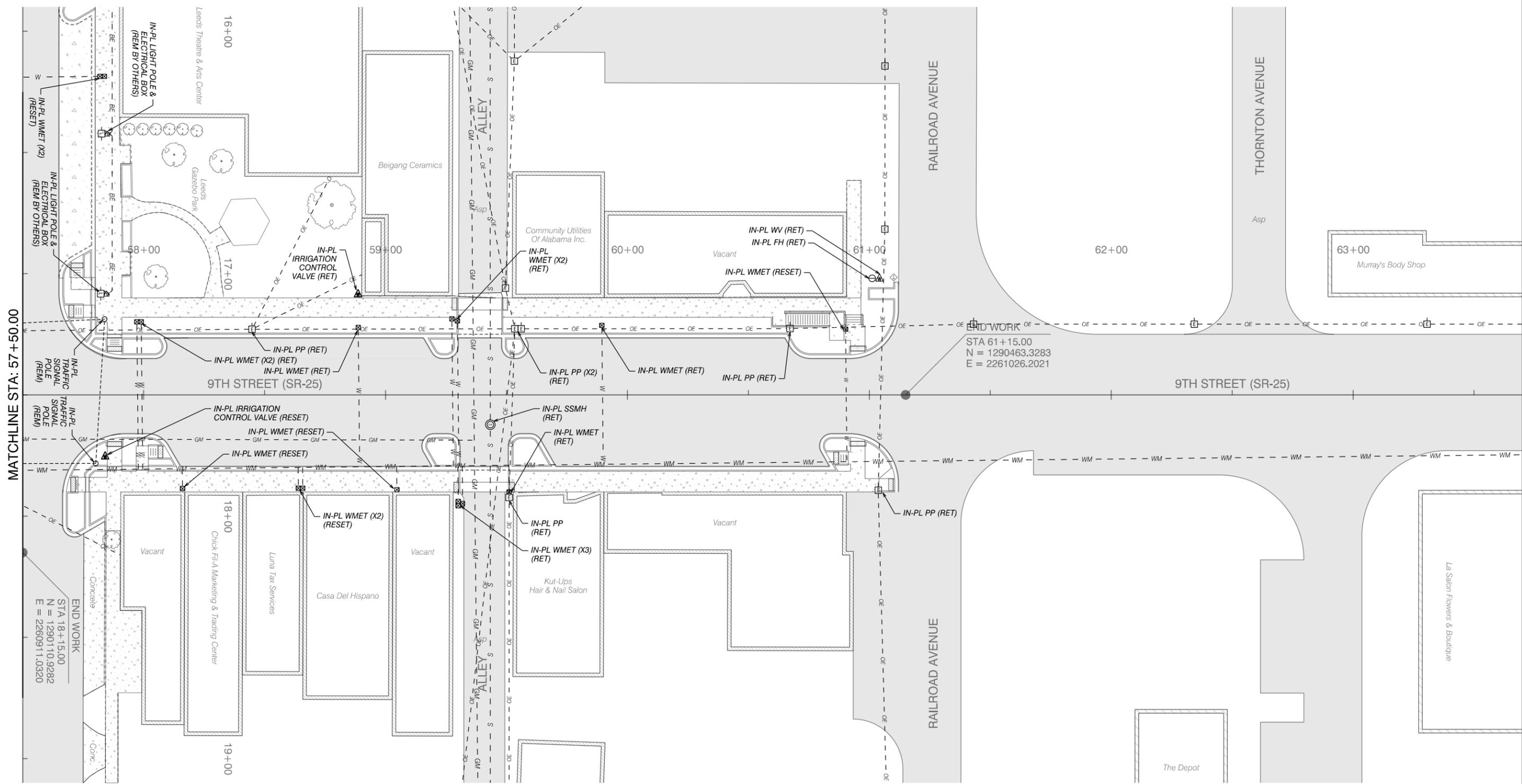
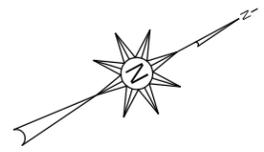
UTILITY PLAN

ROUTE

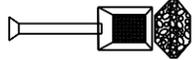
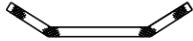
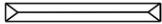
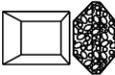
SR-4

# UTILITY PLAN

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
TAPAA-TA22(911)	2024	29



## BEST MANAGEMENT PRACTICES (BMP's)

TEMPORARY SLOPE DRAIN PIPE WITH ROCK DITCH CHECK AND SUMP EXCAVATION	
TEMPORARY EARTH BERM	
BRUSH BARRIER	
SILT FENCE SEDIMENT BARRIER	
FLOATING BASIN BOOM	
HAY BALE DITCH CHECK	
SAND BAG DITCH CHECK	
WATTLE DITCH CHECK	
SILT DIKE DITCH CHECK	
ROCK DITCH CHECK	
ROCK DITCH CHECK WITH SUMP EXCAVATION	
SILT FENCE DITCH CHECK	

INLET PROTECTION	
STABILIZED CONSTRUCTION ENTRANCE	
EROSION CONTROL PRODUCTS	
SLOPE DRAIN	
TEMPORARY EARTH BERM WITH POLYETHYLENE	
DREDGE, FILL	
PRIMARY STORMWATER DISCHARGE POINT	
SECONDARY STORMWATER DISCHARGE POINT	
BACKGROUND POINT	
SEDIMENT RETENTION BARRIER	
SOLID SODDING	
TEMPORARY RIPRAP BERM	
TEMPORARY SEDIMENTATION BASIN	
PERMANENT DETENTION BASIN	

### EROSION AND SEDIMENT CONTROL PHASES

INITIAL PHASE - AS CLEARING BEGINS AND PRIOR TO ANY GRUBBING OR GRADING WORK.

INTERMEDIATE PHASE - AS NEEDED, AS WORK IS ONGOING AND ADVANCING TOWARD COMPLETION.

FINAL CONSTRUCTION - AS WORK IS COMPLETED AND PERMANENT VEGETATION IS ESTABLISHED.

--SPECIFICATIONS--  
CURRENT ALABAMA DEPARTMENT OF TRANSPORTATION

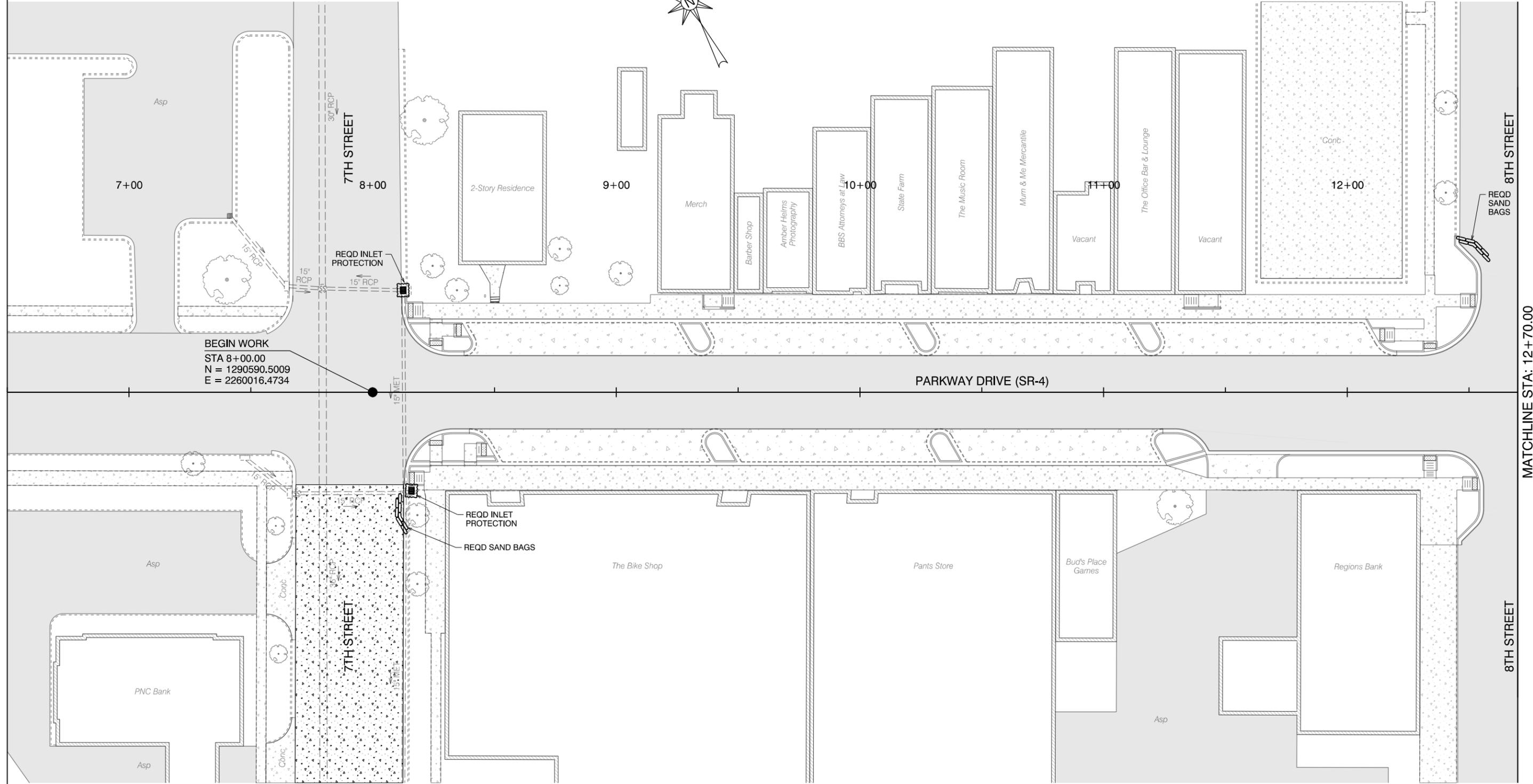
THIS DRAWING REPRESENTS DESIGNS PREPARED FOR USE BY THE ALABAMA DEPARTMENT OF TRANSPORTATION AND IS NOT TO BE COPIED, REPRODUCED, ALTERED, OR USED BY ANYONE, OR ANY ORGANIZATION, WITHOUT THE EXPRESSED WRITTEN CONSENT OF THE ALABAMA DEPARTMENT OF TRANSPORTATION REPRESENTATIVE AUTHORIZED TO APPROVE THIS USE. ANYONE MAKING UNAUTHORIZED USE OF THIS DRAWING MAY BE PROSECUTED TO THE FULLEST EXTENT OF THE LAW.

<p>REVISIONS</p>	 <p><b>ALABAMA DEPARTMENT OF TRANSPORTATION</b> 1409 COLISEUM BOULEVARD MONTGOMERY, AL 36130-3050</p> <p>DESIGN BUREAU SPECIAL DRAWING</p> <p><b>EROSION &amp; SEDIMENT CONTROL LEGEND</b></p> <p style="font-size: small;">SPECIAL DRAWING NO</p>
<p>Bureau Std Engr: L.V.S. DRAWN BY: W.D.H. DATE DRAWN: 10-14-16</p>	<p>SPECIAL PROJECT DETAIL</p> <p style="font-size: x-small;">INDEX NO</p>

NOT TO SCALE

# EROSION & SEDIMENT CONTROL PLAN

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
TAPAA-TA22(911)	2024	31



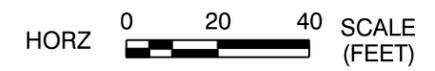
BEGIN WORK  
 STA 8+00.00  
 N = 1290590.5009  
 E = 2260016.4734



REVISIONS:

PLAN SUBMITTAL

PLANS PREPARED BY:  
 GOODWYN MILLS CAWOOD, LLC

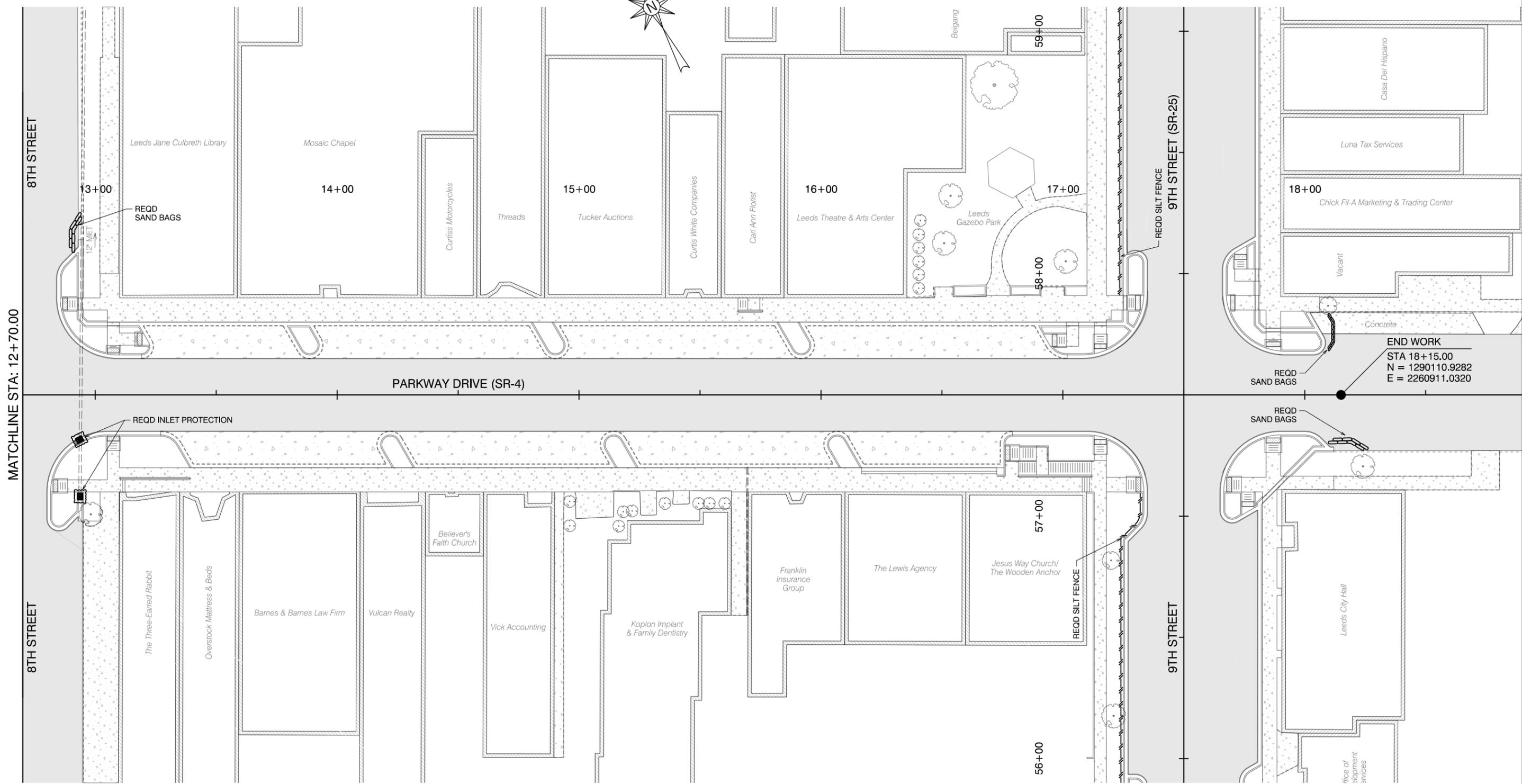


SHEET TITLE  
 EROSION & SEDIMENT CONTROL PLAN

ROUTE  
 SR-4

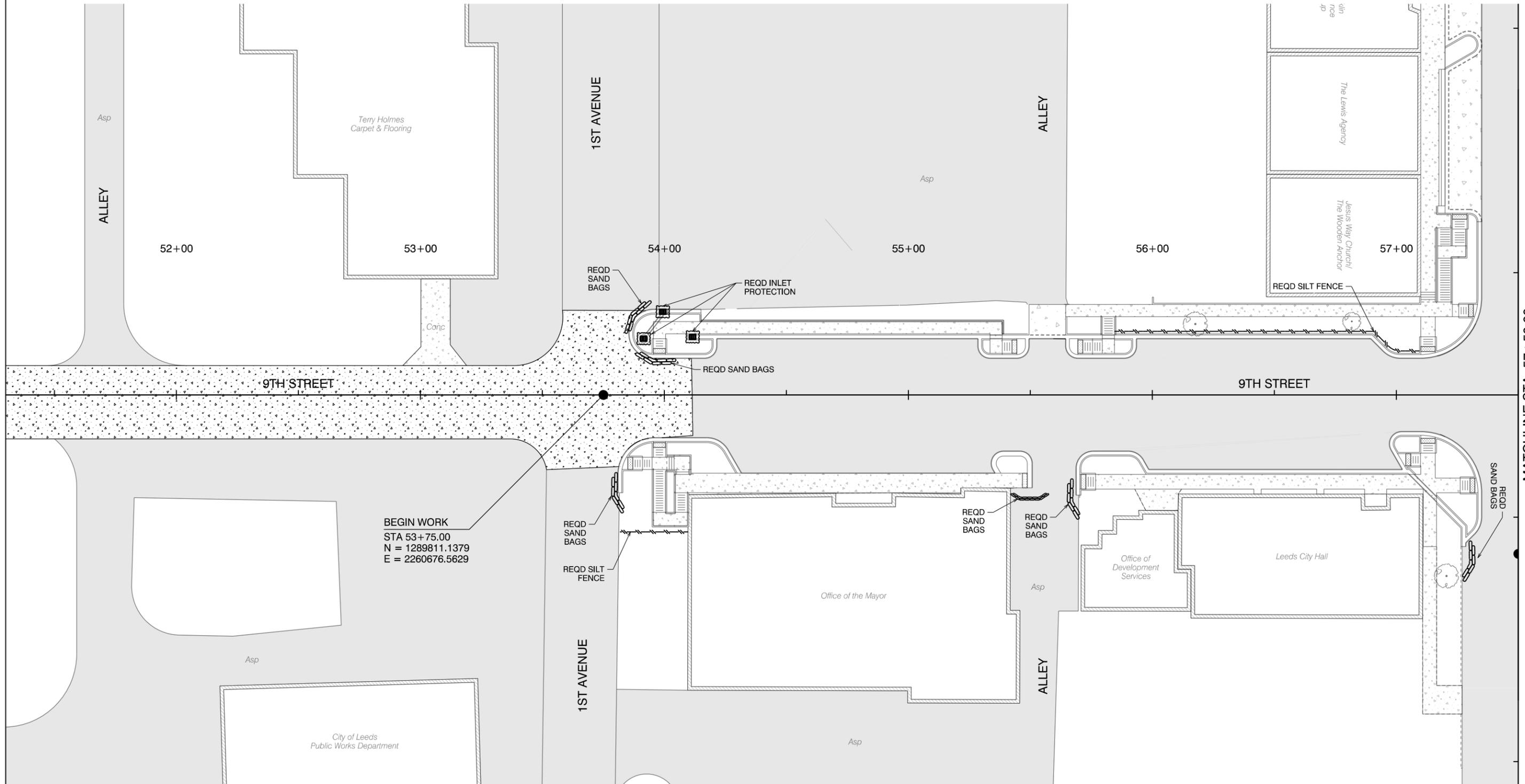
# EROSION & SEDIMENT CONTROL PLAN

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
TAPAA-TA22(911)	2024	32



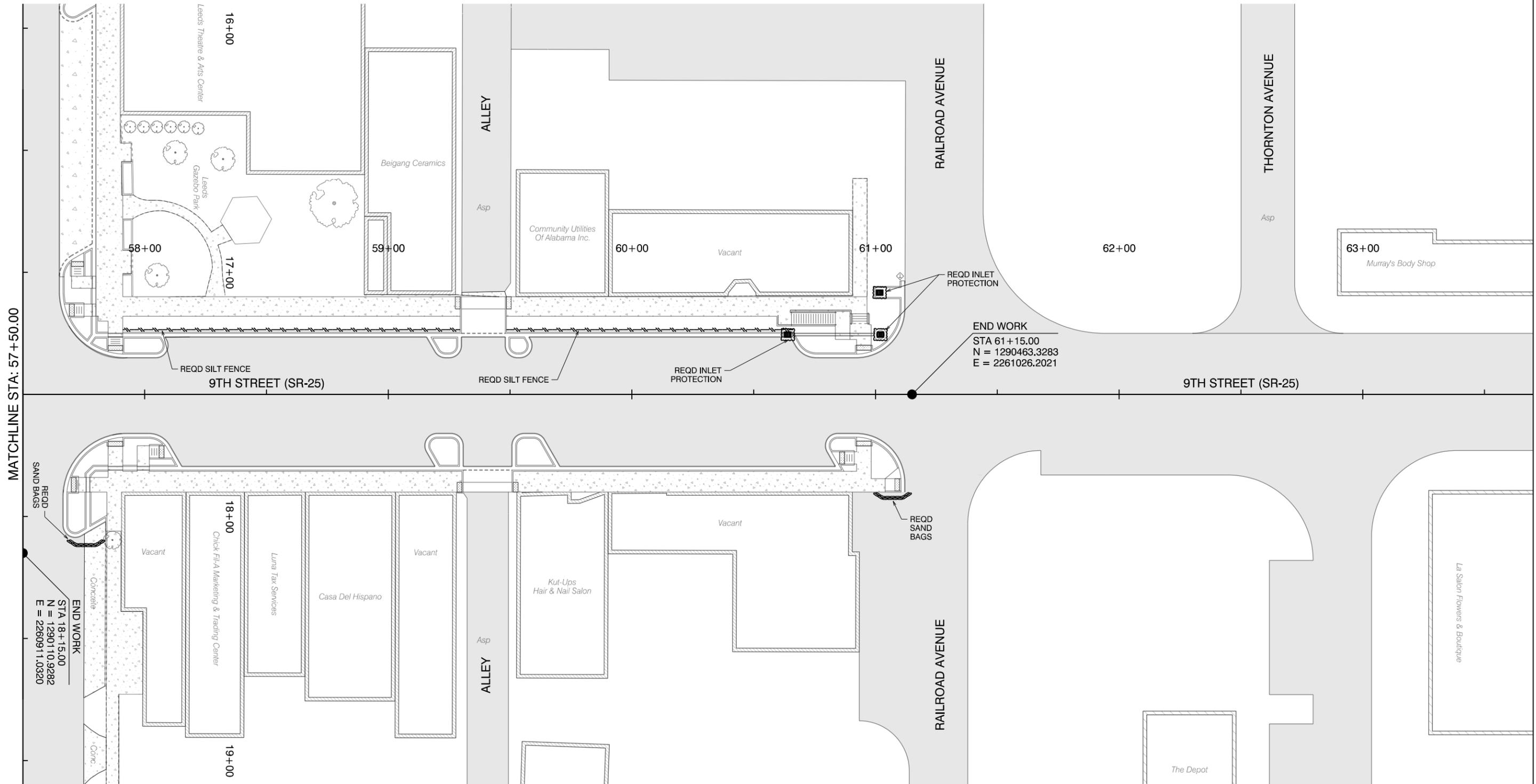
# EROSION & SEDIMENT CONTROL PLAN

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
TAPAA-TA22(911)	2024	33



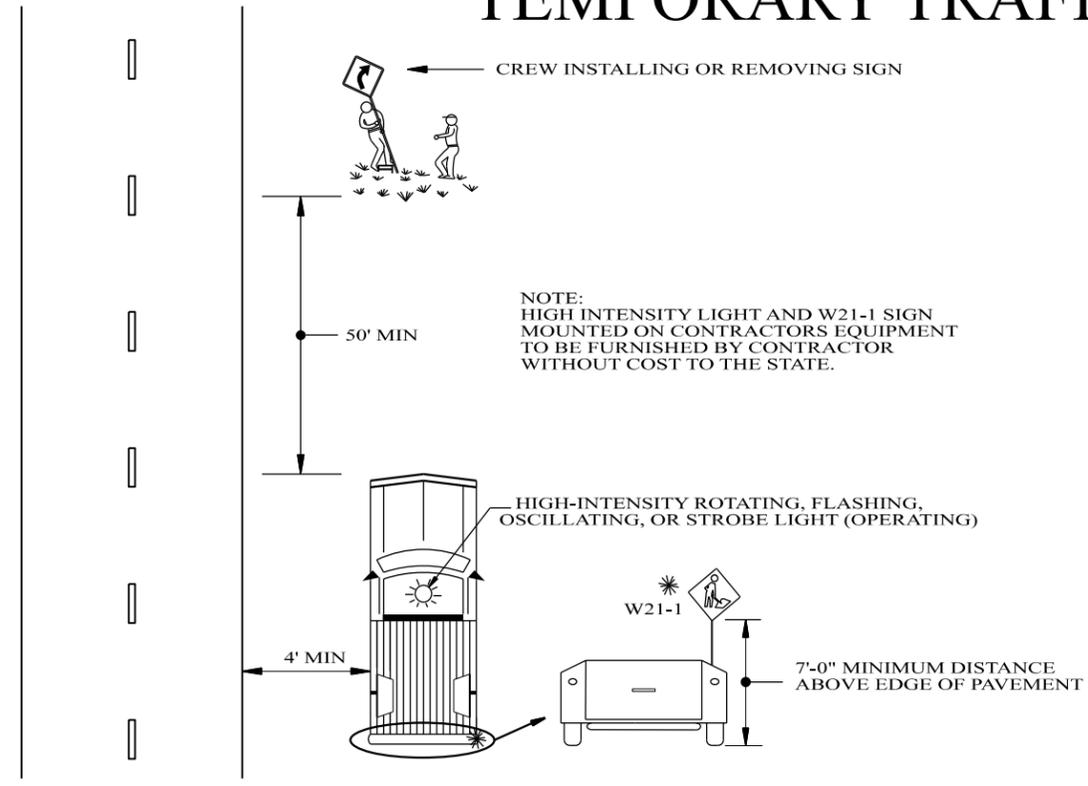
# EROSION & SEDIMENT CONTROL PLAN

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
TAPAA-TA22(911)	2024	34

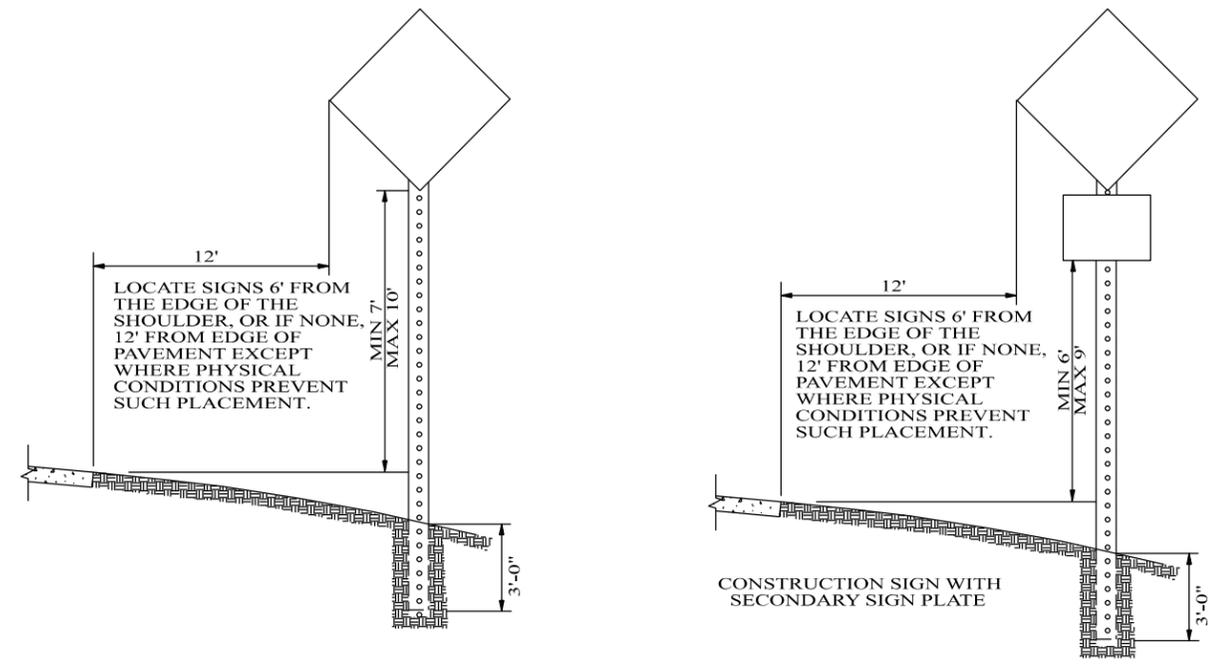


# TEMPORARY TRAFFIC CONTROL PLAN SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
TAPAA-TA22(911)	2024	36

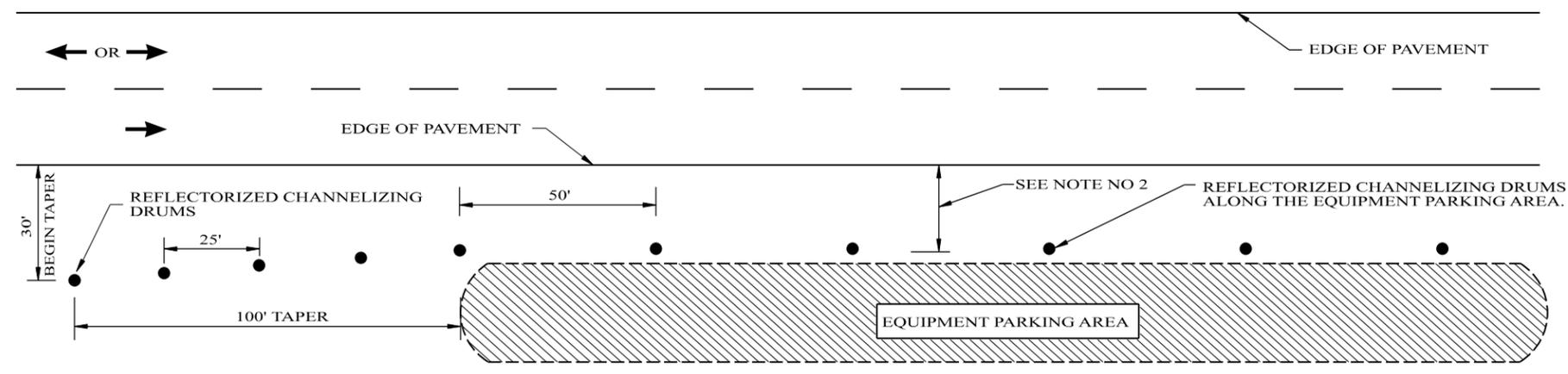


TYPICAL METHOD FOR INSTALLING OR REMOVING CONSTRUCTION SIGNS



HEIGHT AND LATERAL LOCATION OF POST MOUNTED CONSTRUCTION SIGNS

NOTE:  
IF THE CONTRACTOR CHOOSES TO SPLICE THE POSTS FOR THE REQUIRED POST MOUNTED CONSTRUCTION SIGNS, THEY SHALL BE SPLICED AS SHOWN ON DRAWING IHS-710-23.

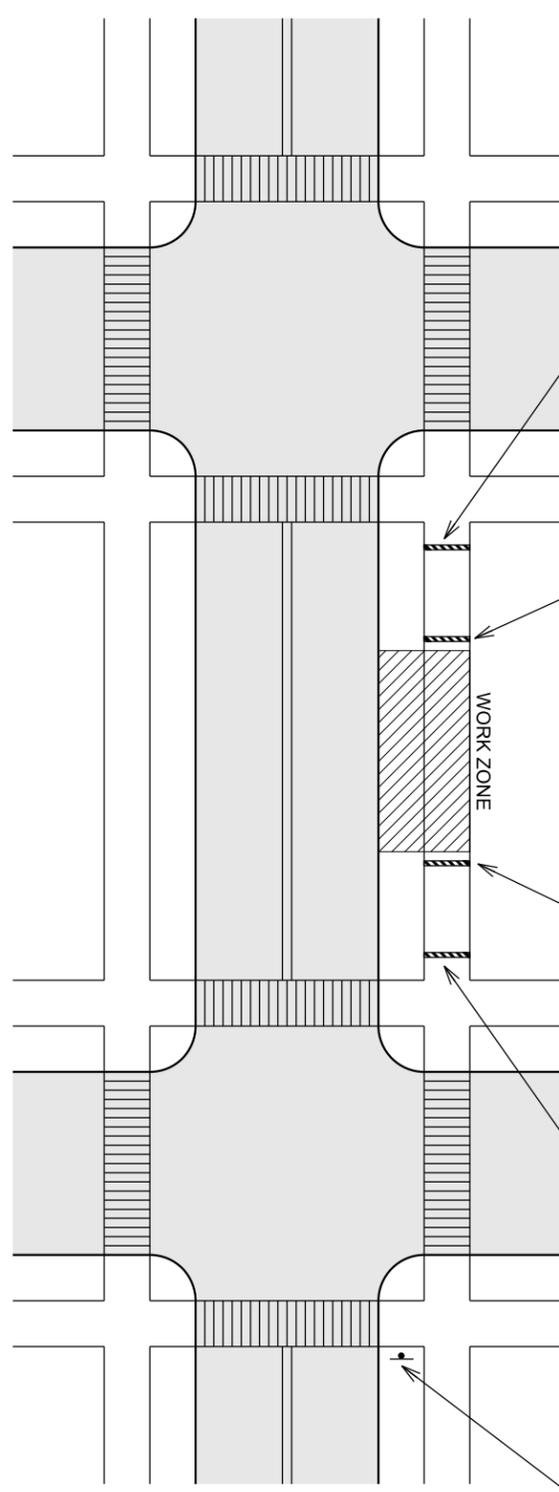


DELINEATING DETAIL FOR EQUIPMENT PARKING OR STORING AREA

- NOTES:
- SEE ALDOT'S GENERAL TRAFFIC CONTROL PLAN NOTE NO. 702.
  - DRUMS TO BE AS FAR AS PRACTICAL FROM EDGE OF PAVEMENT, MINIMUM DESIRABLE DISTANCE IS 15 FEET FOR FREEWAY TYPE FACILITIES AND 10 FEET FOR OTHER FACILITIES. FOR UNUSUAL CONDITIONS, SUCH AS SPECIAL EQUIPMENT OR LIMITED AVAILABLE SPACE, DIMENSIONS LESS THAN DESIRABLE SHALL BE AS DIRECTED BY THE ENGINEER.
  - ALL DEVICES TO BE FURNISHED BY THE CONTRACTOR WITHOUT COST TO THE ALDOT.

# TEMPORARY TRAFFIC CONTROL PLAN SHEET

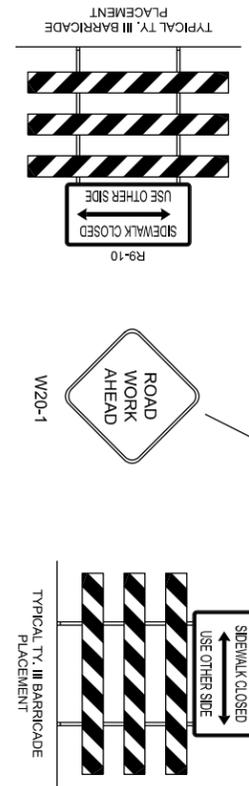
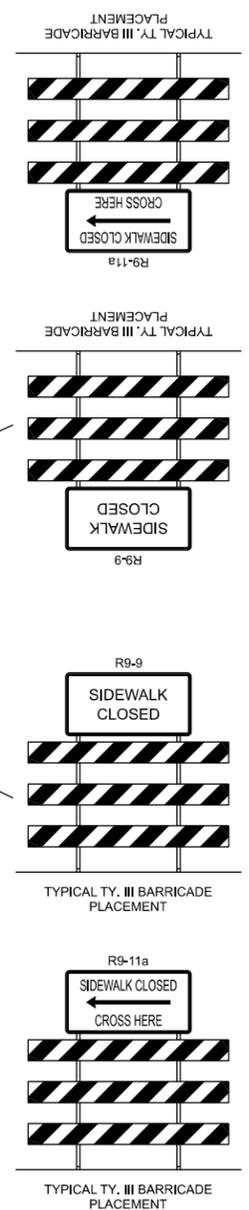
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
TAPAA-TA22(911)	2024	37



**TYPICAL MID-BLOCK  
SIDEWALK CLOSURE**



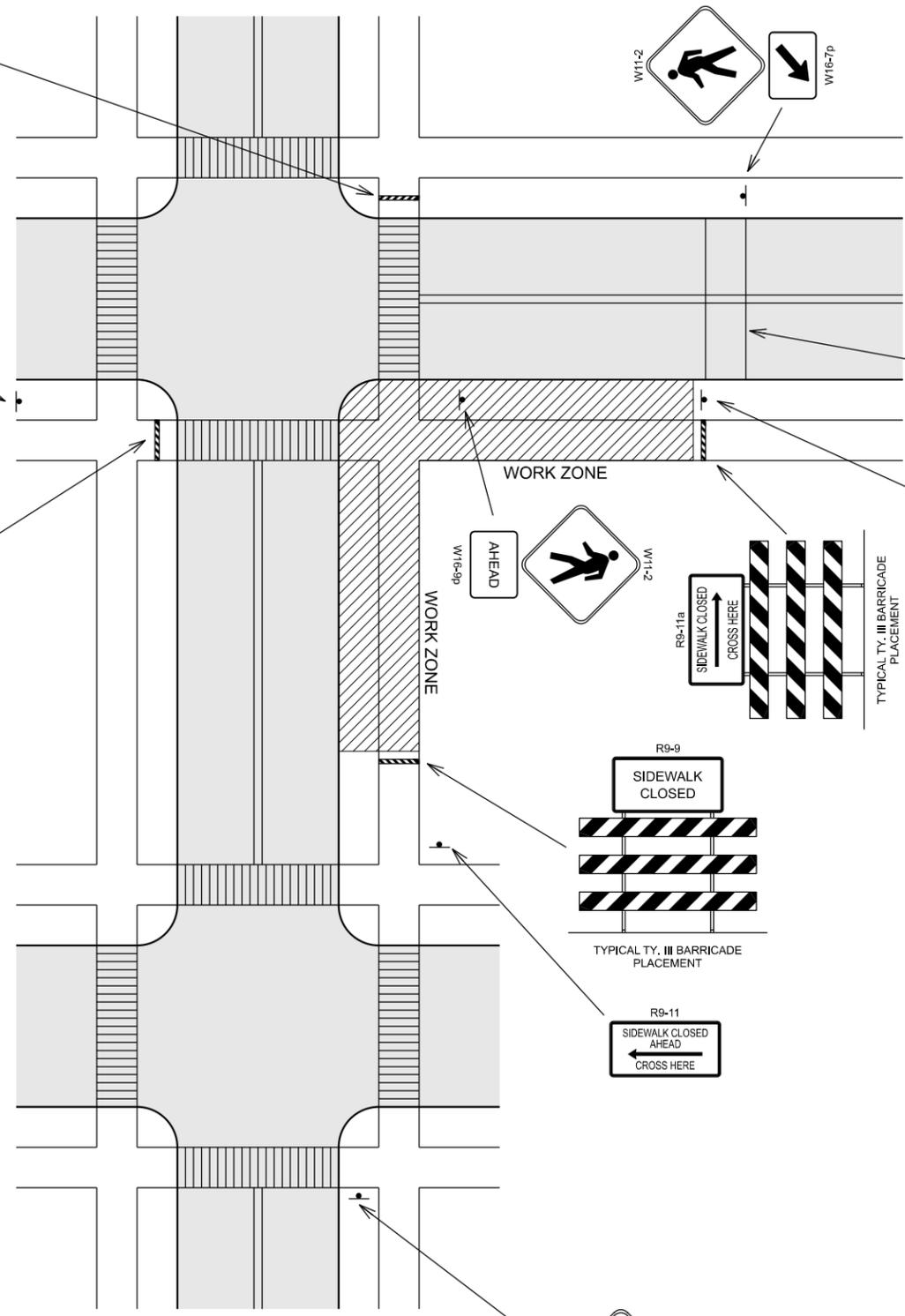
W20-1



**TYPICAL CORNER  
SIDEWALK CLOSURE**



W20-1



REQUIRED SIGN SIZES	
R9-9	30" X 18"
R9-10	48" X 24"
R9-11	48" X 36"
R9-11a	48" X 24"
W11-2	48" X 48"
W16-7p	24" X 12"
W16-9p	24" X 12"
W20-1	48" X 48"

**NOTES**

- SLOPES OF STRIPES ON BARRICADES SHALL BE IN ACCORDANCE WITH SECTION 6F.68 OF THE MUTCD AND DRAWING B-107-2.

REVISIONS:

PLAN SUBMITTAL

PLANS PREPARED BY:

GOODWYN MILLS CAWOOD, LLC

NOT TO SCALE

SHEET TITLE

TEMPORARY TRAFFIC CONTROL PLAN SHEET

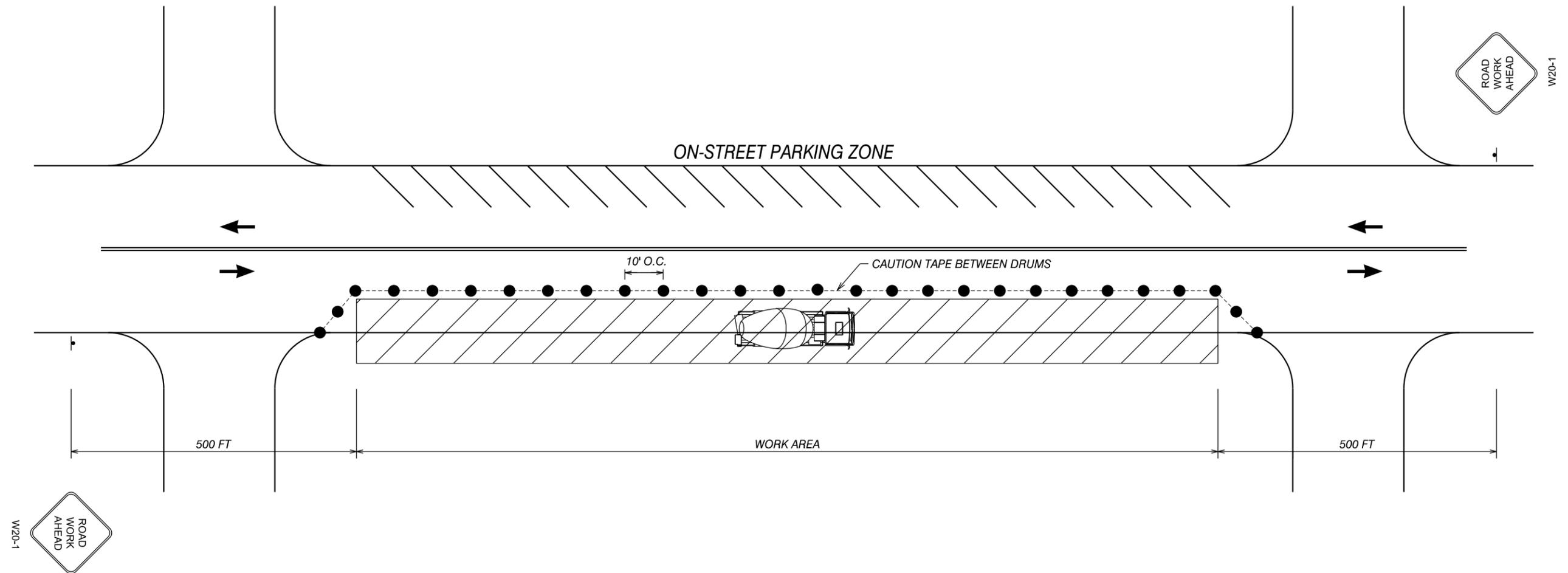
ROUTE

SR-4

# TEMPORARY TRAFFIC CONTROL PLAN SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
TAPAA-TA22(911)	2024	38

## TYPICAL SCHEME FOR PARKING ZONE CLOSURE



**NOTES:**

1. ALL TRAFFIC CONTROL DEVICES SHALL BE MADE AND ERECTED IN ACCORDANCE WITH THE DETAILS SHOWN ON THE PLANS AND THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
2. THE CONTRACTOR SHALL CLOSE THE PARKING SPACES ADJACENT TO THE WORK AREA. THE CONTRACTOR WILL ONLY BE ALLOWED TO CLOSE PARKING SPACES ON ONE SIDE OF THE STREET AT A TIME.
3. ALL TRAFFIC CONTROL DEVICES SHALL BE AS SHOWN OR AS DIRECTED BY THE ENGINEER. ADDITIONAL DEVICES MAY BE REQUIRED AS NEEDED.
4. DEVICES SHOWN ARE IN ADDITION TO ALL ADVANCE WARNING SIGNS SHOWN ON SHEET 37.

**LEGEND**

- STRIPED DRUM
- ▨ WORK AREA
- ➔ TRAFFIC DIRECTION
- SIGN

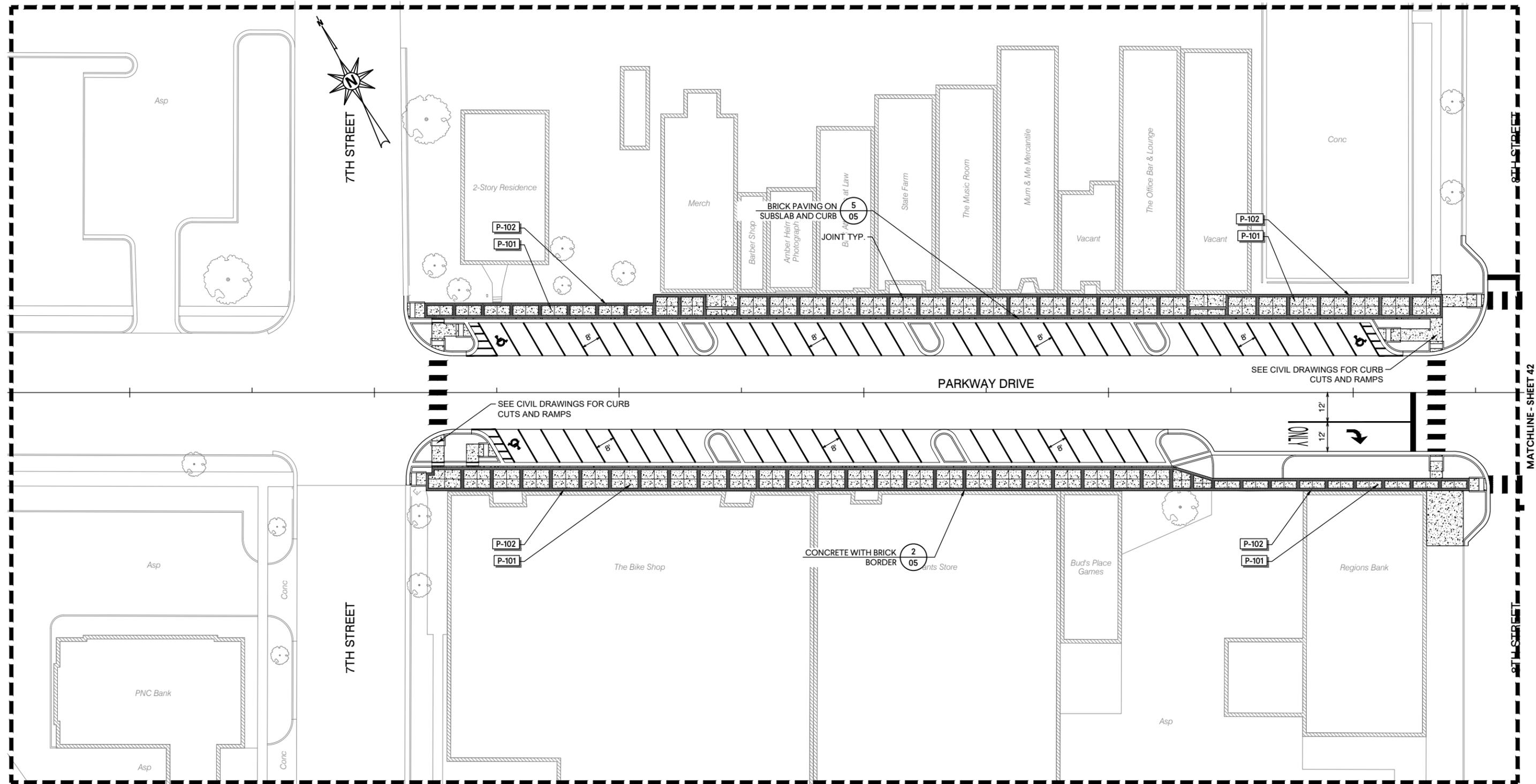
REQUIRED SIGN SIZES	
W20-1	48" X 48"

# HARDSCAPE PLAN

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
TAPAA-TA22(911)	2024	41

## REFERENCE NOTES SCHEDULE

SYMBOL	PAVING DESCRIPTION	DETAIL
P-101	4" PEDESTRIAN INTEGRAL COLORED CONCRETE PAVING; OCHRE	1/05
P-102	BRICK PAVER; BASIS OF DESIGN - WHITACRE GREER 43 TANGERINE BRICK	3/05



REVISIONS:

PLAN SUBMITTAL

PLANS PREPARED BY:  
GOODWYN MILLS CAWOOD, LLC



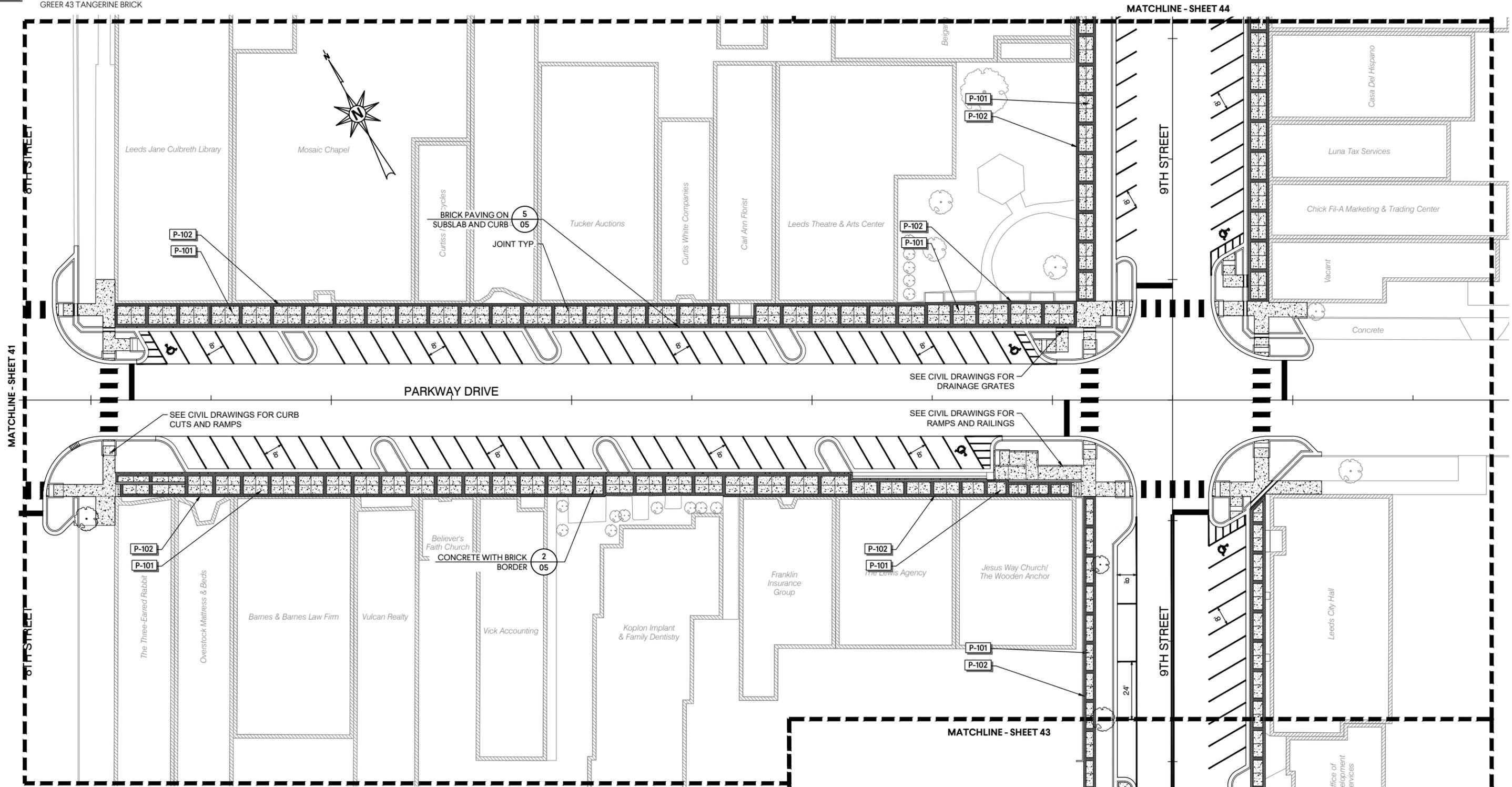
SHEET TITLE	ROUTE
LANDSCAPING PLAN	SR-4

# HARDSCAPE PLAN

## REFERENCE NOTES SCHEDULE

SYMBOL	PAVING DESCRIPTION	DETAIL
P-101	4" PEDESTRIAN INTEGRAL COLORED CONCRETE PAVING; OCHRE	1/05
P-102	BRICK PAVER; BASIS OF DESIGN - WHITACRE GREER 43 TANGERINE BRICK	3/05

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
TAPAA-TA22(911)	2024	42

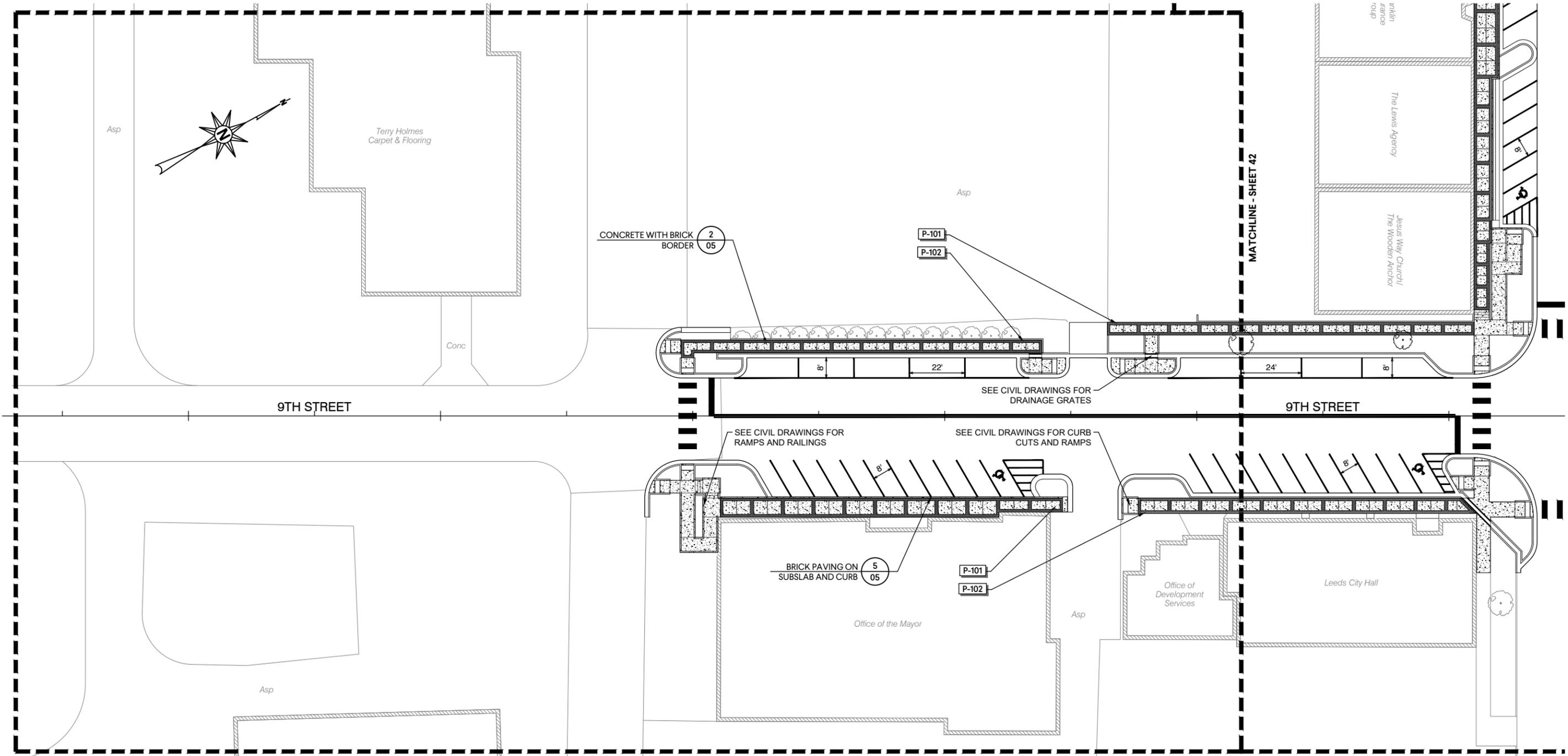


# HARDSCAPE PLAN

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
TAPAA-TA22(911)	2024	43

## REFERENCE NOTES SCHEDULE

SYMBOL	PAVING DESCRIPTION	DETAIL
P-101	4" PEDESTRIAN INTEGRAL COLORED CONCRETE PAVING; OCHRE	1/05
P-102	BRICK PAVER; BASIS OF DESIGN - WHITACRE GREER 43 TANGERINE BRICK	3/05

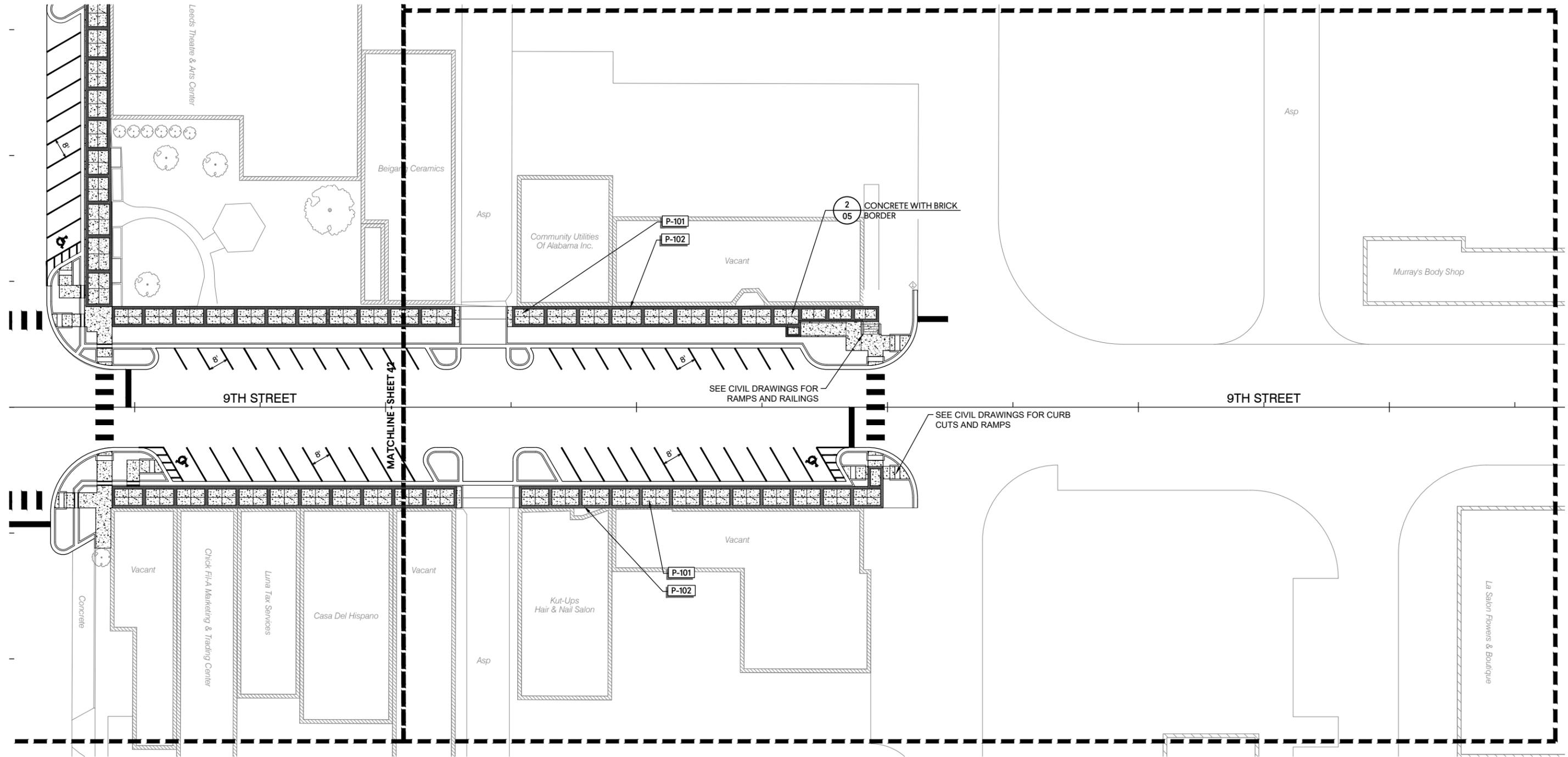


# HARDSCAPE PLAN

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
TAPAA-TA22(911)	2024	44

## REFERENCE NOTES SCHEDULE

SYMBOL	PAVING DESCRIPTION	DETAIL
P-101	4" PEDESTRIAN INTEGRAL COLORED CONCRETE PAVING; OCHRE	1/05
P-102	BRICK PAVER; BASIS OF DESIGN - WHITACRE GREER 43 TANGERINE BRICK	3/05

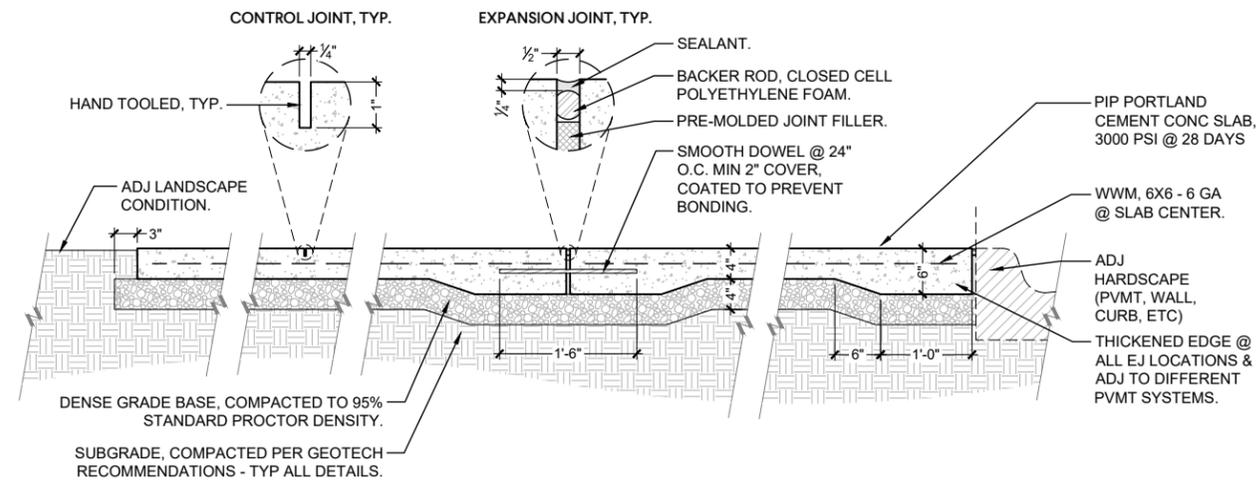


# HARDSCAPE DETAILS AND NOTES

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
TAPAA-TA22(911)	2024	45

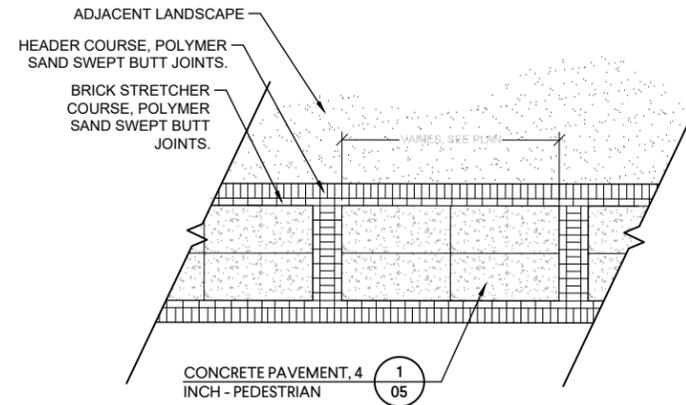
## DECORATIVE CONCRETE PAVING NOTES:

- REFER TO PLANS FOR CONC COLORING IF APPLICABLE.
- BROOM FINISH ALL CONC PERPENDICULAR TO TRAFFIC FLOW UNLESS OTHERWISE NOTED.
- SEAL ALL BROOM FINISHED CONC W/ SILANE OR SILOXANE BASED SEALER.
- SEAL ANY EXPOSED AGGREGATE SURFACES W/ LM SCOFIELD REPELLO AS BASIS OF DESIGN.
- EXPANSION JOINTS (EJ) TO OCCUR ADJ TO ALL COLD POURS, VERTICAL SURFACES, & AS SHOWN ON PLANS.
- SPACE EJ MAX 30 FT O.C. UNLESS SHOWN OTHERWISE ON PLANS.
- CONTROL JOINTS (CJ) TO OCCUR IN ALL CONC SLABS & BANDS AS SHOWN ON PLANS. WHERE NOT SHOWN ON PLANS, SPACE JNTS EQUAL TO SLAB WIDTH - 12 FT MAX.



## 1 CONCRETE PAVEMENT, 4 INCH - PEDESTRIAN

1" = 1'-0"

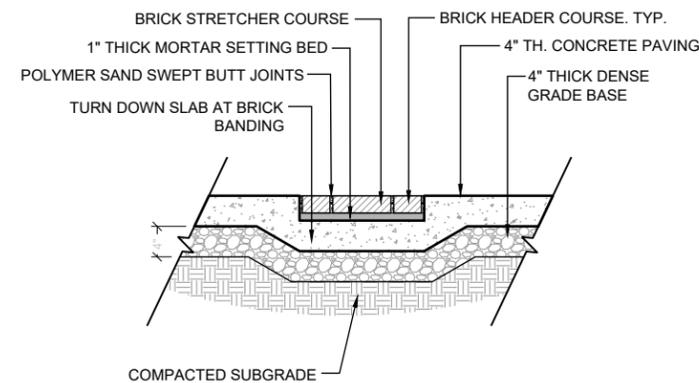


### NOTES:

- BRICK BASIS OF DESIGN: WHITACRE GREER 43 TANGERINE
- LAYOUT ON DETAIL TAKES PRECEDENT OVER LAYOUT ON PLANS

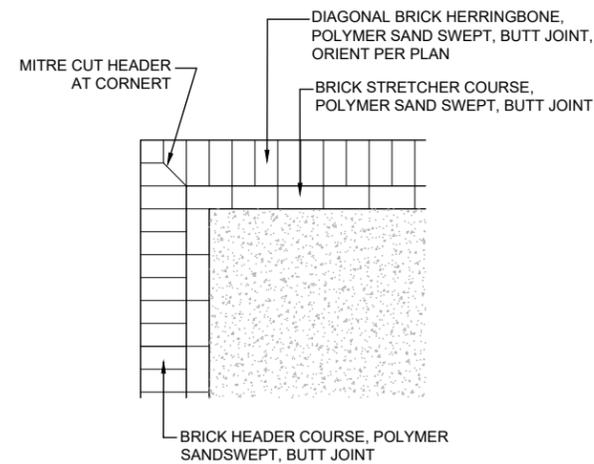
## 2 CONCRETE WITH BRICK BORDER

1" = 50"



## 3 BRICK BORDER IN CONCRETE

1" = 1'-0"

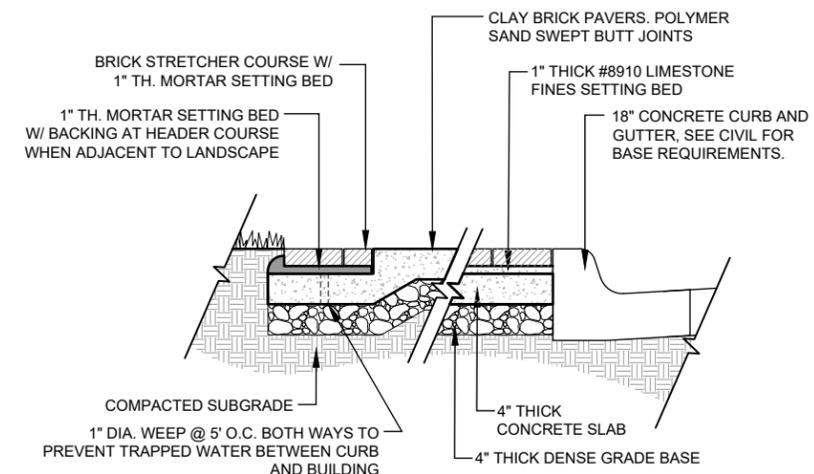


### NOTES:

- BRICK BASIS OF DESIGN: WHITACRE GREER 43 TANGERINE
- LAYOUT ON DETAIL TAKES PRECEDENT OVER LAYOUT ON PLANS

## 4 BRICK PAVING PATTERN

3/4" = 1'-0"



BRICK BASIS OF DESIGN: WHITACRE GREER 43 TANGERINE

## 5 BRICK PAVING ON SUBSLAB AND CURB

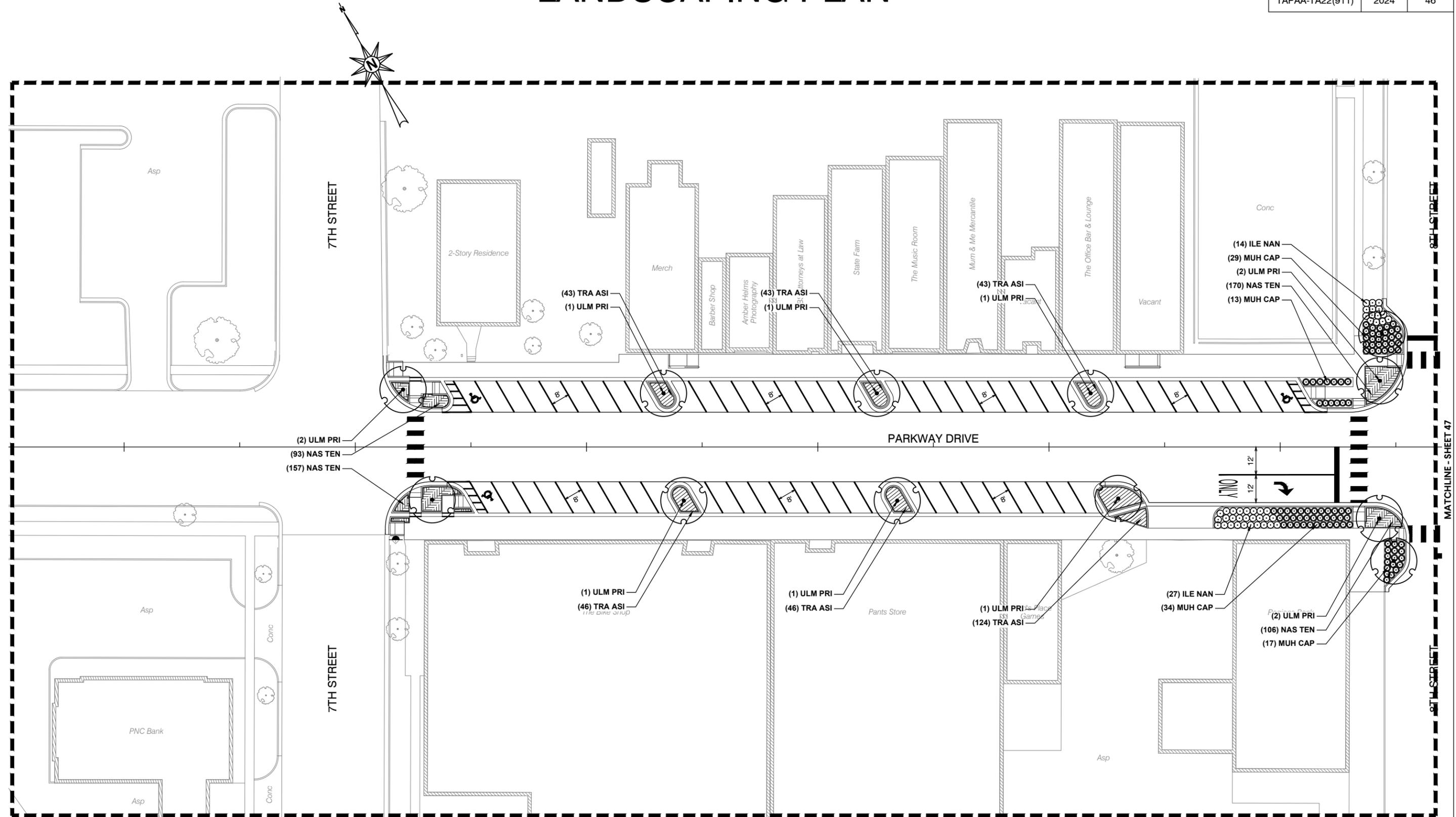
1" = 1'-0"

## SITE LAYOUT NOTES

- THIS DRAWING INCLUDES THE DIMENSIONAL CONTROLS FOR ALL PROPOSED HARDSCAPE ELEMENTS. REFER TO PLANTING PLANS AND SITE LIGHTING PLANS FOR SPECIFIC DIMENSIONING OF THOSE ELEMENTS.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS & ELEVATIONS SHOWN IN PLAN & DETAILS IN THE FIELD & NOTIFY THE LANDSCAPE ARCHITECT OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
- WRITTEN DIMENSIONS PREVAIL OVER SCALED DIMENSIONS. NOTIFY LANDSCAPE ARCHITECT OF DISCREPANCIES.
- WHERE DIMENSIONS ARE CALLED AS "EQUAL," SPACE REFERENCED ITEMS EQUALLY, MEASURED FROM THEIR CENTERLINES.
- MEASUREMENTS ARE TO FACE OF BUILDING, WALL OR FIXED SITE IMPROVEMENT. DIMENSIONS TO CENTER LINES ARE INDICATED.
- INSTALL INTERSECTING ELEMENTS AT 90 DEGREE ANGLES TO EACH OTHER UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL REFER TO THE CIVIL DRAWINGS FOR INFRASTRUCTURE LAYOUT & SHALL NOTIFY THE LANDSCAPE ARCHITECT OF CONFLICTS AND/OR DISCREPANCIES.
- PAVER DIMENSIONS ARE NOMINAL. PRIOR TO POURING SLABS, BANDING, OR OTHERWISE SETTING PAVER FIELDS, VERIFY ACTUAL PAVER SIZES & LAYOUT OF PAVER FIELDS, MAKE MINOR ADJUSTMENTS TO EDGE CONSTRAINTS AS REQUIRED TO ACCOMMODATE ACTUAL PAVER SIZES. NOTIFY LANDSCAPE ARCHITECT IMMEDIATELY OF DISCREPANCIES AND/OR ADJUSTMENTS.

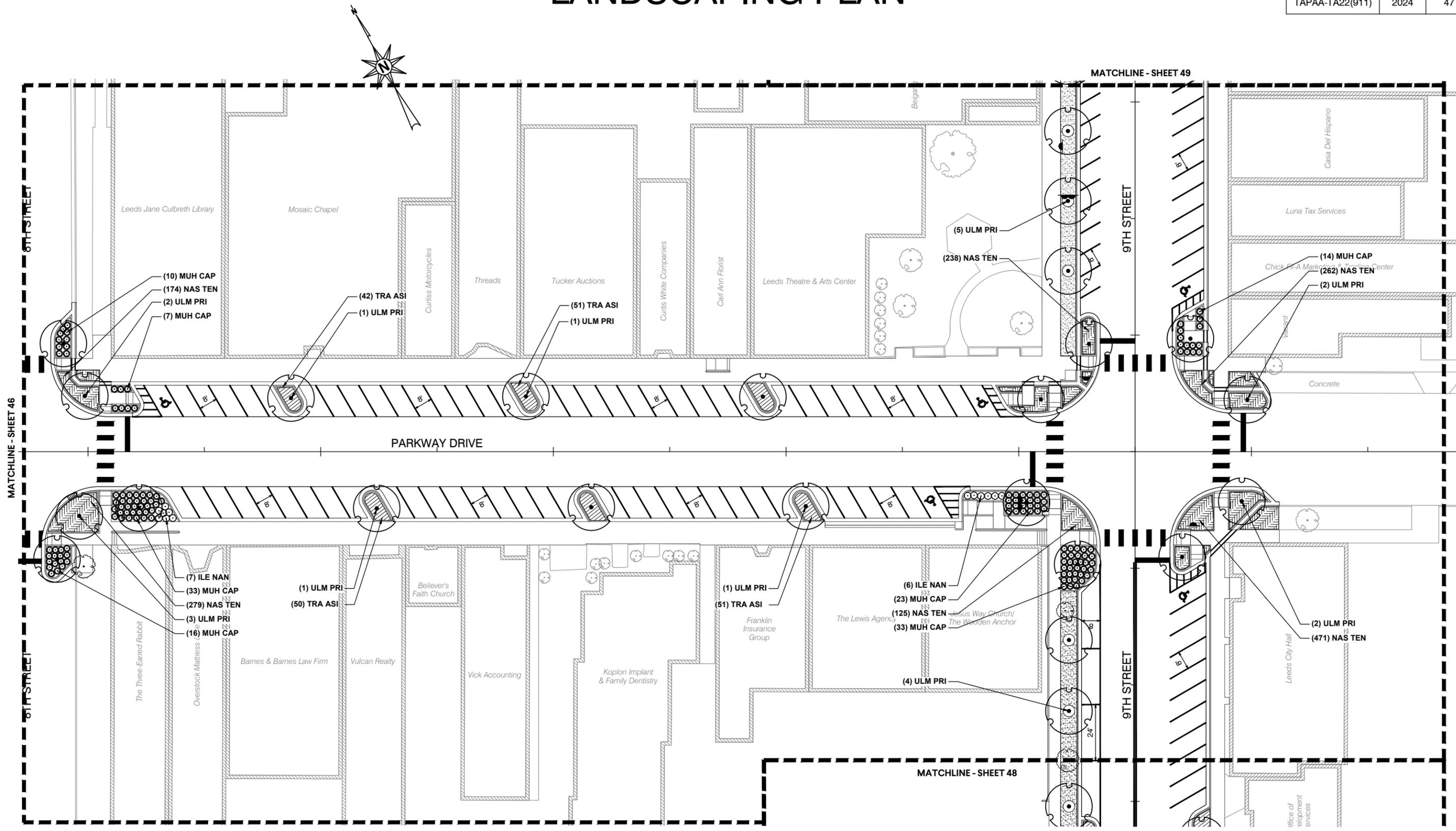
# LANDSCAPING PLAN

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
TAPAA-TA22(911)	2024	46



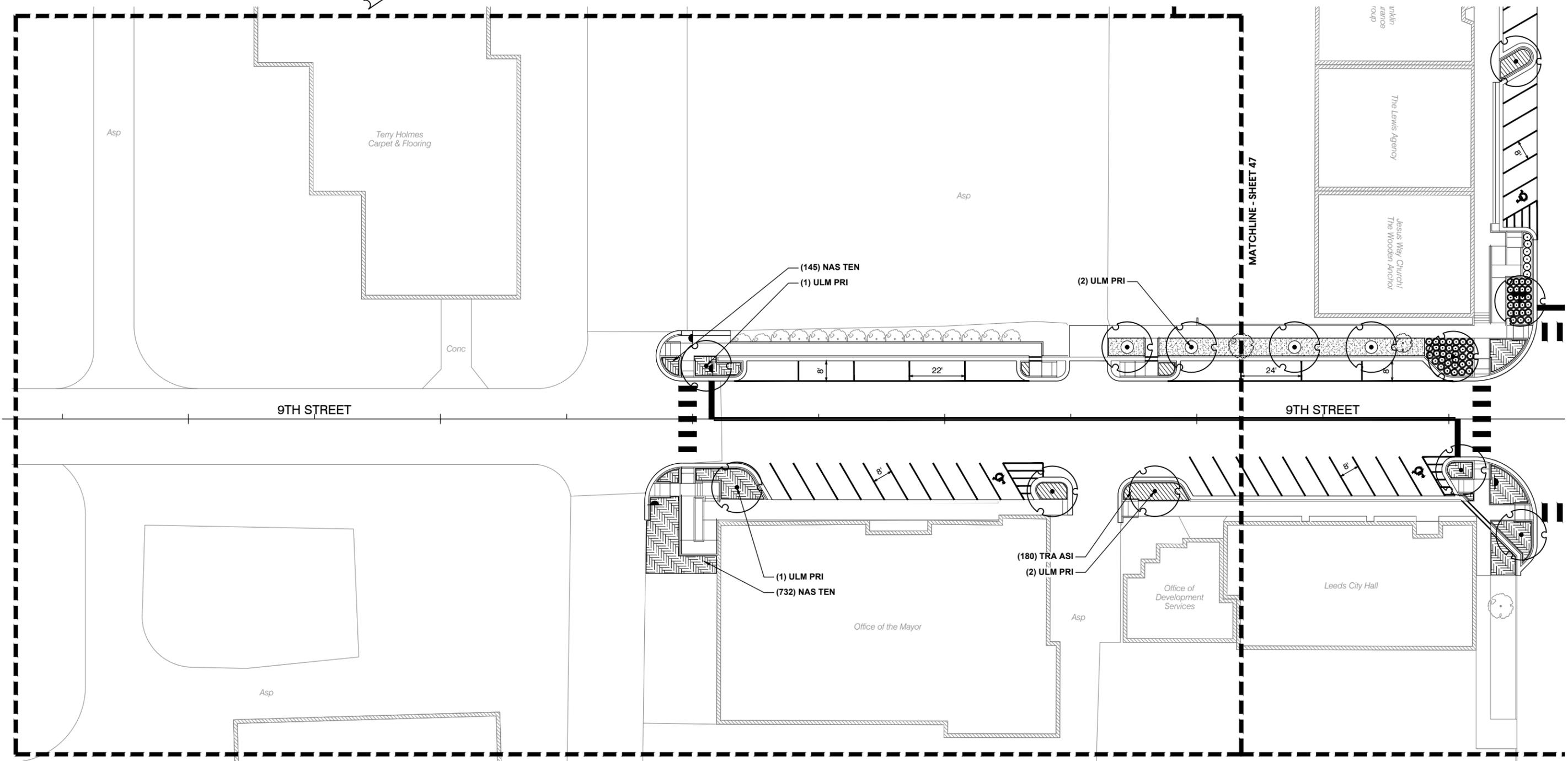
# LANDSCAPING PLAN

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
TAPAA-TA22(911)	2024	47



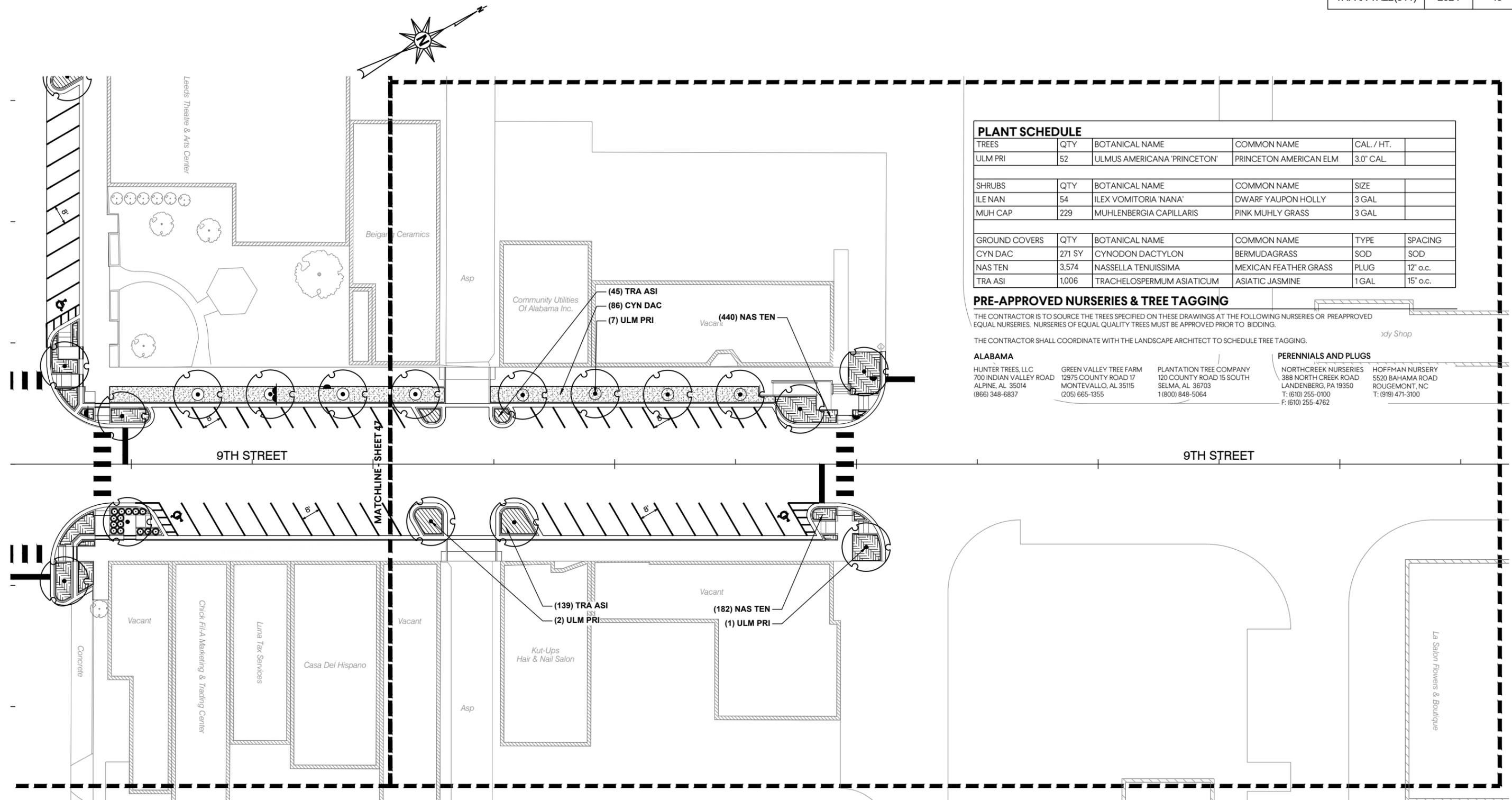
# LANDSCAPING PLAN

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
TAPAA-TA22(911)	2024	48



# LANDSCAPING PLAN

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
TAPAA-TA22(911)	2024	49



**PLANT SCHEDULE**

TREES	QTY	BOTANICAL NAME	COMMON NAME	CAL. / HT.
ULM PRI	52	ULMUS AMERICANA 'PRINCETON'	PRINCETON AMERICAN ELM	3.0" CAL.

SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	SIZE
ILE NAN	54	ILEX VOMITORIA 'NANA'	DWARF YAUPON HOLLY	3 GAL
MUH CAP	229	MUHLENBERGIA CAPILLARIS	PINK MUHLY GRASS	3 GAL

GROUND COVERS	QTY	BOTANICAL NAME	COMMON NAME	TYPE	SPACING
CYN DAC	271 SY	CYNODON DACTYLON	BERMUDAGRASS	SOD	SOD
NAS TEN	3,574	NASSELLA TENUISSIMA	MEXICAN FEATHER GRASS	PLUG	12" o.c.
TRA ASI	1,006	TRACHELOSPERMUM ASIATICUM	ASIATIC JASMINE	1 GAL	15" o.c.

**PRE-APPROVED NURSERIES & TREE TAGGING**

THE CONTRACTOR IS TO SOURCE THE TREES SPECIFIED ON THESE DRAWINGS AT THE FOLLOWING NURSERIES OR PREAPPROVED EQUAL NURSERIES. NURSERIES OF EQUAL QUALITY TREES MUST BE APPROVED PRIOR TO BIDDING.

THE CONTRACTOR SHALL COORDINATE WITH THE LANDSCAPE ARCHITECT TO SCHEDULE TREE TAGGING.

**ALABAMA**

HUNTER TREES, LLC 700 INDIAN VALLEY ROAD ALPINE, AL 35014 (866) 348-6837	GREEN VALLEY TREE FARM 12975 COUNTY ROAD 17 MONTEVALLO, AL 35115 (205) 665-1355	PLANTATION TREE COMPANY 120 COUNTY ROAD 15 SOUTH SELMA, AL 36703 1(800) 848-5064
-----------------------------------------------------------------------------------	------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------

**PERENNIALS AND PLUGS**

NORTHCREEK NURSERIES 388 NORTH CREEK ROAD LANDENBERG, PA 19350 T: (610) 255-0100 F: (610) 255-4762	HOFFMAN NURSERY 5520 BAHAMA ROAD ROUCEMONT, NC T: (919) 471-3100
----------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------



REVISIONS:

PLAN SUBMITTAL

PLANS PREPARED BY:  
GOODWYN MILLS CAWOOD, LLC

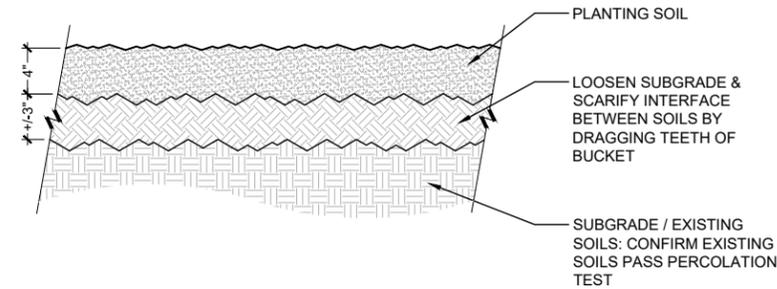


SHEET TITLE  
LANDSCAPING PLAN

ROUTE  
SR-4

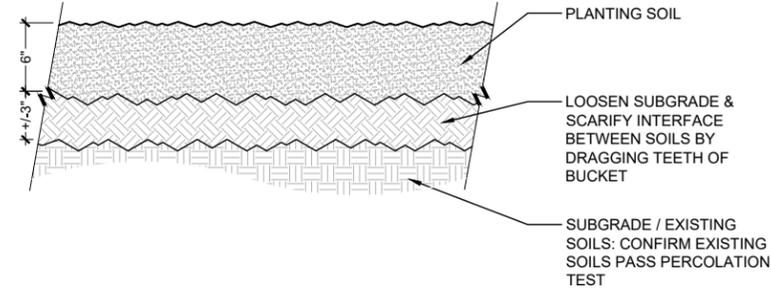
# LANDSCAPING DETAILS AND NOTES

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
TAPAA-TA22(911)	2024	50



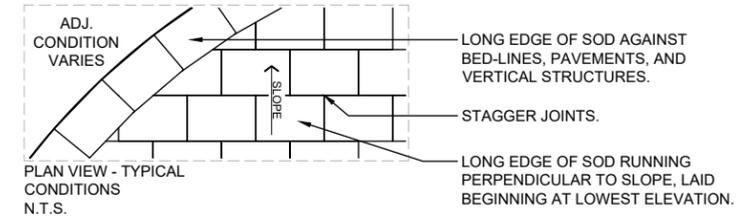
## 1 SOD SOIL PREPARATION

1 1/2" = 1'-0"



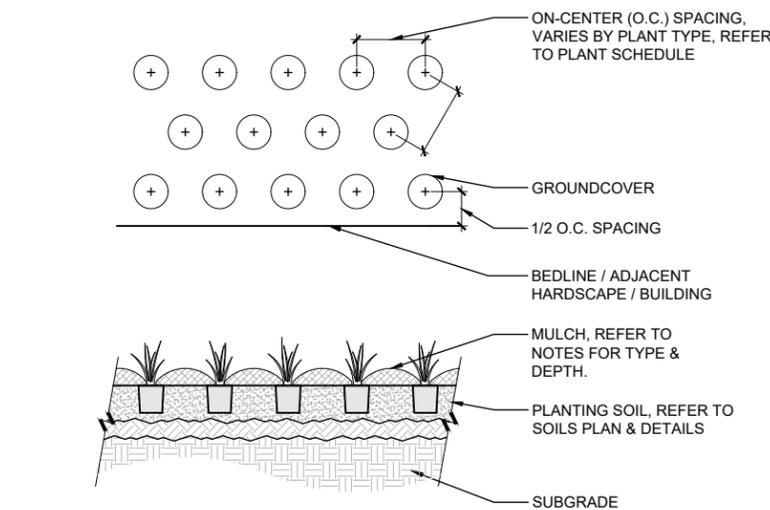
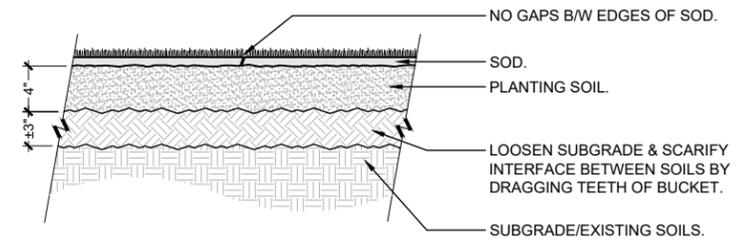
## 2 PLANT BED SOIL PREPARATION

1 1/2" = 1'-0"



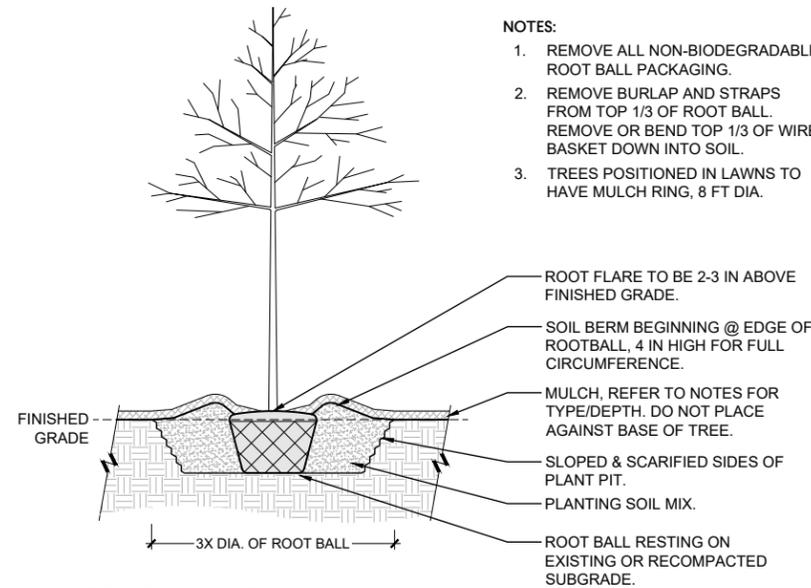
## 3 SOD INSTALLATION

1 1/2" = 1'-0"



## 4 GROUNDCOVER & PERENNIAL PLANTING

3/4" = 1'-0"



## 5 TREE PLANTING

3/8" = 1'-0"

### NOTES:

- REMOVE ALL NON-BIODEGRADABLE ROOT BALL PACKAGING.
- REMOVE BURLAP AND STRAPS FROM TOP 1/3 OF ROOT BALL. REMOVE OR BEND TOP 1/3 OF WIRE BASKET DOWN INTO SOIL.
- TREES POSITIONED IN LAWNS TO HAVE MULCH RING, 8 FT DIA.

### PLANT INSTALLATION NOTES

- PLANT NAMES MAY BE ABBREVIATED ON DRAWINGS. REFER TO PLANT SCHEDULE FOR ABBREVIATIONS, BOTANICAL & COMMON NAMES, SIZES, ESTIMATED QUANTITIES AND OTHER REMARKS.
- CONTRACTOR SHALL VERIFY THE TOTAL QUANTITIES INDICATED IN THE PLANT LIST WITH THE QUANTITIES SHOWN ON THE PLAN. CONTRACTOR SHALL PROVIDE QUANTITIES REQUIRED TO COMPLETE PROPOSED PLANTING AS INDICATED ON THE PLAN.
- CONTRACTOR SHALL GIVE THE LANDSCAPE ARCHITECT THE OPPORTUNITY TO TAG & REVIEW TREES IN THE NURSERY OR FIELD PRIOR TO DIGGING.
- ALL PLANT/ROOTBALL SIZES & THE METHOD OF DETERMINING TREE CALIPER SHALL CONFORM TO THE RECOMMENDATIONS OF THE LATEST EDITION OF ANSI Z601 - AMERICAN STANDARD FOR NURSERY STOCK.
- ANY & ALL PLANT SUBSTITUTIONS SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO PURCHASE & INSTALLATION.
- THE LANDSCAPE ARCHITECT MAY REJECT ANY PLANT AT ANY TIME UNTIL THE END OF THE WARRANTY PERIOD. PLANTS THAT RECEIVED A PRIOR APPROVAL ARE NOT EXCLUDED FROM REJECTION AT A LATER DATE. GROUNDS FOR REJECTION INCLUDE BUT ARE NOT LIMITED TO:
  - NON-CONFORMANCE WITH CRITERIA DESCRIBED IN PLANT SCHEDULE.
  - THE PRESENCE, EVIDENCE, OR DAMAGE FROM DISEASE, INSECTS/PESTS, EGGS, & LARVAE.
  - GIRDLED & KINKED ROOTS, CRACKED/BROKEN ROOT BALLS, MECHANICALLY DAMAGED ROOTS.
  - BROKEN LIMBS, INCLUDED BARK, OR EVIDENCE OF MECHANICAL INJURY.
  - PLANTS THAT ARE NOT FULL/DENSE, WELL BRANCHED, OR SYMMETRICAL UNLESS IT IS UNCHARACTERISTIC OF SPECIFIED SPECIES.
  - PLANTS DETERMINED AT THE DISCRETION OF THE LANDSCAPE ARCHITECT TO BE AESTHETICALLY DEAD WHERE APPROXIMATELY 25% OR MORE OF THE PLANT IS SHOWING SIGNS OF DEATH/DIEBACK.
  - SHIPMENT TO THE SITE IN UNCOVERED VEHICLES/TRAILERS REGARDLESS OF SEASON.
- REMOVE FROM SITE ANY & ALL EXISTING VEGETATION INCLUDING STUMPS & ROOTS IN CONFLICT WITH PLANTING PLAN UNLESS EXPLICITLY DESIGNATED FOR PROTECTION.
- LAYOUT ALL TREES & BED-LINES AS INDICATED IN THE LANDSCAPE DRAWINGS AND RECEIVE APPROVAL FROM THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. LAYOUT SHALL BE DONE WITH HIGH VISIBILITY FLAGS AND/OR WOODEN STAKES & BED-LINES SHALL BE LAID OUT WITH MARKING PAINT. THE LANDSCAPE ARCHITECT RESERVES THE RIGHT TO MAKE LAYOUT ADJUSTMENTS AS NECESSARY AT NO ADDITIONAL COST TO OWNER. NOTIFY LANDSCAPE ARCHITECT OF CONTEMPLATED ADJUSTMENTS TO THE LAYOUT & RECEIVE APPROVAL PRIOR TO COMMENCING WITH ADJUSTMENT.
- DO NOT INSTALL PLANTS IN SATURATED OR FROZEN CONDITIONS. DO NOT INSTALL PLANTS DURING INCLEMENT WEATHER.
- SET ALL PLANTS PLUMB & TURNED SO THAT THE MOST ATTRACTIVE SIDE IS MOST COMMONLY VIEWED. MAINTAIN IN PLUMB POSITION THROUGHOUT WARRANTY PERIOD.
- ALL PLANTING BEDS AND TREES SHALL BE MULCHED WITH 3-4 IN. OF SETTLED PINE STRAW THAT IS FREE FROM DEBRIS, LEAVES, TWIGS, INSECTS, GRASSES, WEEDS, PLANTS AND THEIR SEEDS, AND ANY SUBSTANCE HARMFUL TO PLANT GROWTH. PINE STRAW MULCH SHALL BE TUCKED & ROLLED AT ALL EDGES.
  - TREES PLACED IN SODDED/TURFGRASS AREAS SHALL BE MULCHED WITH AN 8 FT. DIAMETER MULCH RING UNLESS OTHERWISE NOTED ON PLANS.
- CONTRACTOR TO PROVIDE INTERIM MAINTENANCE UNTIL SUBSTANTIAL COMPLETION NOTICE IS PROVIDED BY THE LANDSCAPE ARCHITECT. THIS INCLUDES:
  - WATERING
  - MOWING, TRIMMING, EDGING, BLOWING & WEEDING.
  - FERTILIZING & APPLICATION OF NECESSARY INSECTICIDES/HERBICIDES
  - GUYING TREES WHEN DIRECTED BY OWNER OR LANDSCAPE ARCHITECT.
  - ADEQUATE DRAINAGE OF PONDING AREAS.
  - GENERAL LANDSCAPE CLEAN-UP.

### WARRANTY & SUBSTANTIAL/FINAL COMPLETION NOTES

- CONTRACTOR TO PROVIDE ONE YEAR WARRANTY FOR ALL MATERIAL & WORKMANSHIP BEYOND DATE OF SUBSTANTIAL COMPLETION. WARRANTY DOES NOT INCLUDE LOSS RESULTING FROM ACTS OF NATURE, VANDALISM, OR OWNER NEGLIGENCE AS DETERMINED BY THE LANDSCAPE ARCHITECT.
- CONTRACTOR TO SUBMIT WRITTEN REQUEST MIN 7 DAYS PRIOR TO ANTICIPATED REVIEW DATE FOR SUBSTANTIAL COMPLETION.
  - THE LANDSCAPE ARCHITECT SHALL DEVELOP A PUNCH-LIST OF ITEMS TO BE COMPLETED PRIOR TO THE GRANTING OF SUBSTANTIAL COMPLETION. AFTER COMPLETING THE PUNCH-LIST, THE CONTRACTOR SHALL REQUEST ANOTHER REVIEW BY THE LANDSCAPE ARCHITECT.
- FINAL COMPLETION SHALL BE GIVEN AT END OF WARRANTY PERIOD IF ALL ITEMS ARE COMPLETED TO THE OWNERS SATISFACTION.
  - CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE LANDSCAPE ARCHITECT AT THE END OF THE WARRANTY PERIOD TO SCHEDULE FINAL INSPECTION. SHOULD THE CONTRACTOR FAIL TO CONTACT THE LANDSCAPE ARCHITECT, THE WARRANTY PERIOD IS AUTOMATICALLY EXTENDED UNTIL HE/SHE DOES SO.

### PLANTING SOIL & PREPARATION NOTES

- CONTRACTOR SHALL CONDUCT & SUBMIT TO THE LANDSCAPE ARCHITECT AN ANALYSIS OF A MINIMUM OF (3) SAMPLES OF EXISTING SOIL FROM AREAS TO BE PLANTED. THE ANALYSIS SHALL BE DONE BY A SOIL TESTING LAB APPROVED BY THE LANDSCAPE ARCHITECT IN ADVANCE AND SHALL INCLUDE THE FOLLOWING RESULTS WITH RECOMMENDATIONS:
  - S1A - ORGANIC MATTER, AVAILABLE PHOSPHORUS, EXCHANGEABLE POTASSIUM, MAGNESIUM, CALCIUM, SOIL pH, CATION EXCHANGE CAPACITY, PERCENT BASE SATURATION OF CATION ELEMENTS.
  - S3 - SULFUR, ZINC, MANGANESE, IRON, COPPER, BORON
  - TEXTURE ANALYSIS
- TOPSOIL (& PLANTING SOIL WHEN DIFFERENT) SHALL BE PROVIDED MIXED AND READY FOR INSTALLATION. TOPSOIL SHALL MEET THE FOLLOWING CRITERIA & STRIPPED/STOCKPILED TOPSOIL MAY BE USED IF IT CAN REASONABLY BE BROUGHT UP TO THESE CRITERIA.
  - FERTILE, FRIABLE, NATURALLY OCCURRING, FREE OF TRASH, ROCKS/STONES, & DEBRIS LARGER THAN 2 INCHES IN ANY DIMENSION
  - FREE OF ANY GRASSES, WEEDS, SEEDS, PLANTS, & ANY SUBSTANCE HARMFUL TO PLANT GROWTH.
  - pH RANGE OF 5.0-7.0
  - ORGANIC MATTER: 5-10%
  - SAND: 50-70%, SILT: LESS THAN 30%, CLAY: 10-25%
  - PERMEABILITY RATE OF 5X10 (-3) CENTIMETERS OR GREATER AT 85% COMPACTION.
- CONTRACTOR SHALL COORDINATE WITH OWNER'S REPRESENTATIVE THE LOCATION OF STOCKPILE AREAS FOR STRIPPED TOPSOIL AND PLANTING SOIL PRODUCTS. CONTRACTOR SHALL ENSURE AREA IS PROTECTED FROM CONTAMINATION & DISTURBANCE
- FINAL GRADES DEPICTED ON THE GRADING PLAN (REFER TO CIVIL DRAWINGS) ARE TO ACCOUNT FOR PLANTING SOIL DEPTHS INDICATED IN THE LANDSCAPE DRAWINGS/DETAILS. CONTRACTOR SHALL ENSURE SUBGRADE IS SCARIFIED PRIOR TO INSTALLING PLANTING SOIL.
- FINAL FINISHED GRADING SHALL BE REVIEWED BY THE LANDSCAPE ARCHITECT. CONTRACTOR IS RESPONSIBLE FOR ANY ADDITIONAL TOPSOIL REQUIRED TO CREATE A SMOOTH CONDITION SUITABLE FOR PLANTING.
- ALL TRASH, DEBRIS LARGER THAN 2 INCHES IN DIAMETER IN ANY DIRECTION, ROCK, COBBLE, EXCAVATION SPOILS, & GRAVEL SHALL BE REMOVED AND LEGALLY DISPOSED OF OFF-SITE PRIOR TO THE INSTALLATION OF TOPSOIL/PLANTING SOIL.
- COORDINATE INSTALLATION OF TOPSOIL/PLANTING SOIL WITH OTHER WORK. PLACEMENT SHALL OCCUR AFTER INSTALLATION OF HARDSCAPE IMPROVEMENTS, IRRIGATION SYSTEMS, UTILITIES, ETC. AND BEFORE PLANT INSTALLATION.
- PRIOR TO PLANT INSTALLATION, PLANT BEDS AND PITS SHALL BE TESTED FOR PERCOLATION BY THE CONTRACTOR AT NO ADDITIONAL COST TO OWNER. TEST SHALL CONSIST OF 1 FT DIAMETER BY 1 FT DEEP MIN HOLE, OR THE PLANTING PIT, FILLED WITH WATER. IF WATER HAS NOT DISSIPATED BY 50% WITHIN 2 HOURS, NOTIFY THE LANDSCAPE ARCHITECT IN WRITING PRIOR TO INSTALLATION. IN HARDPAN CONDITIONS, INSTALL DRAIN PIPES AS PER PLANTING DETAILS.



REVISIONS:

PLAN SUBMITTAL

PLANS PREPARED BY:

GOODWYN MILLS CAWOOD, LLC

HORZ 0 20 40 SCALE (FEET)

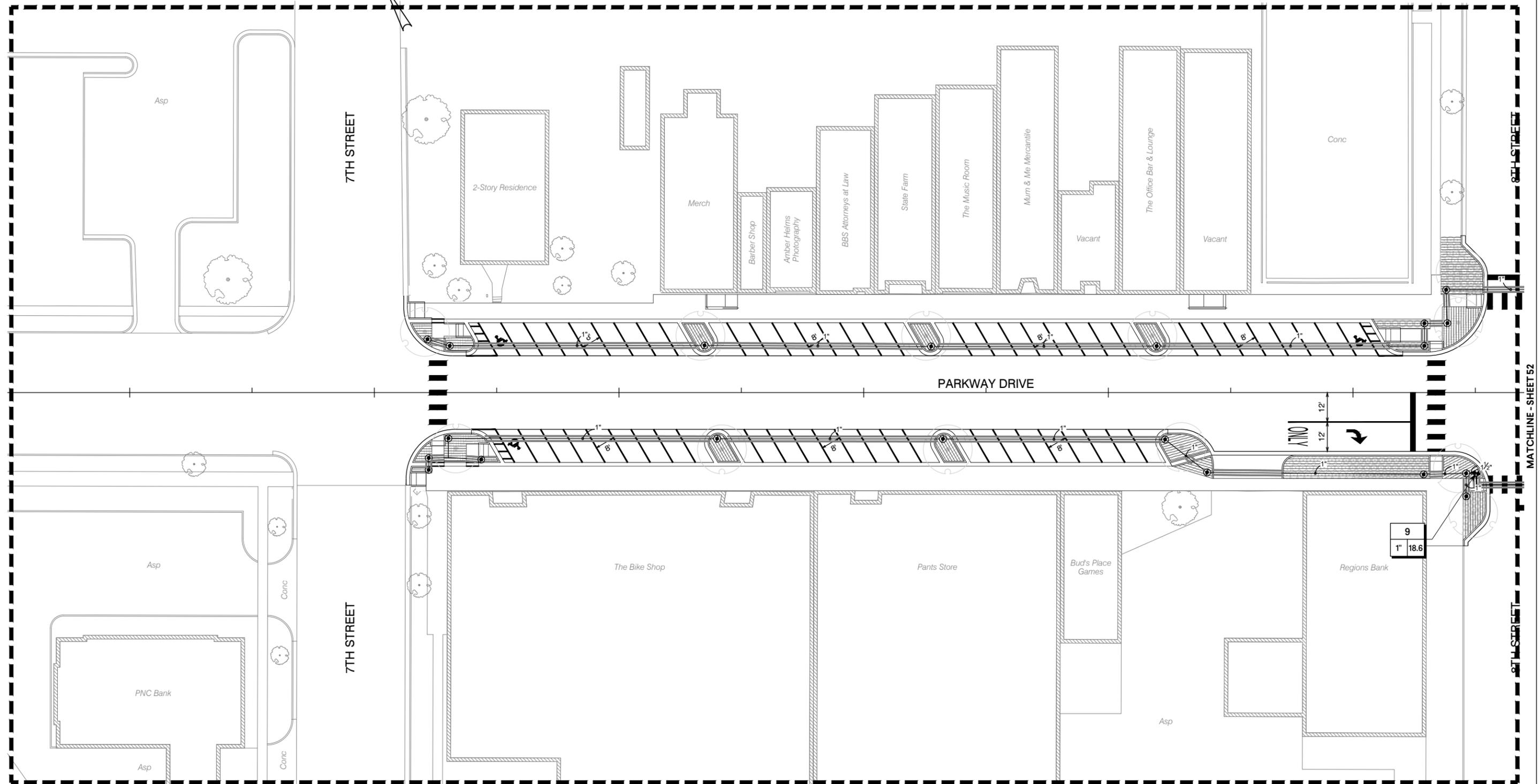
SHEET TITLE

ROUTE

SR-4

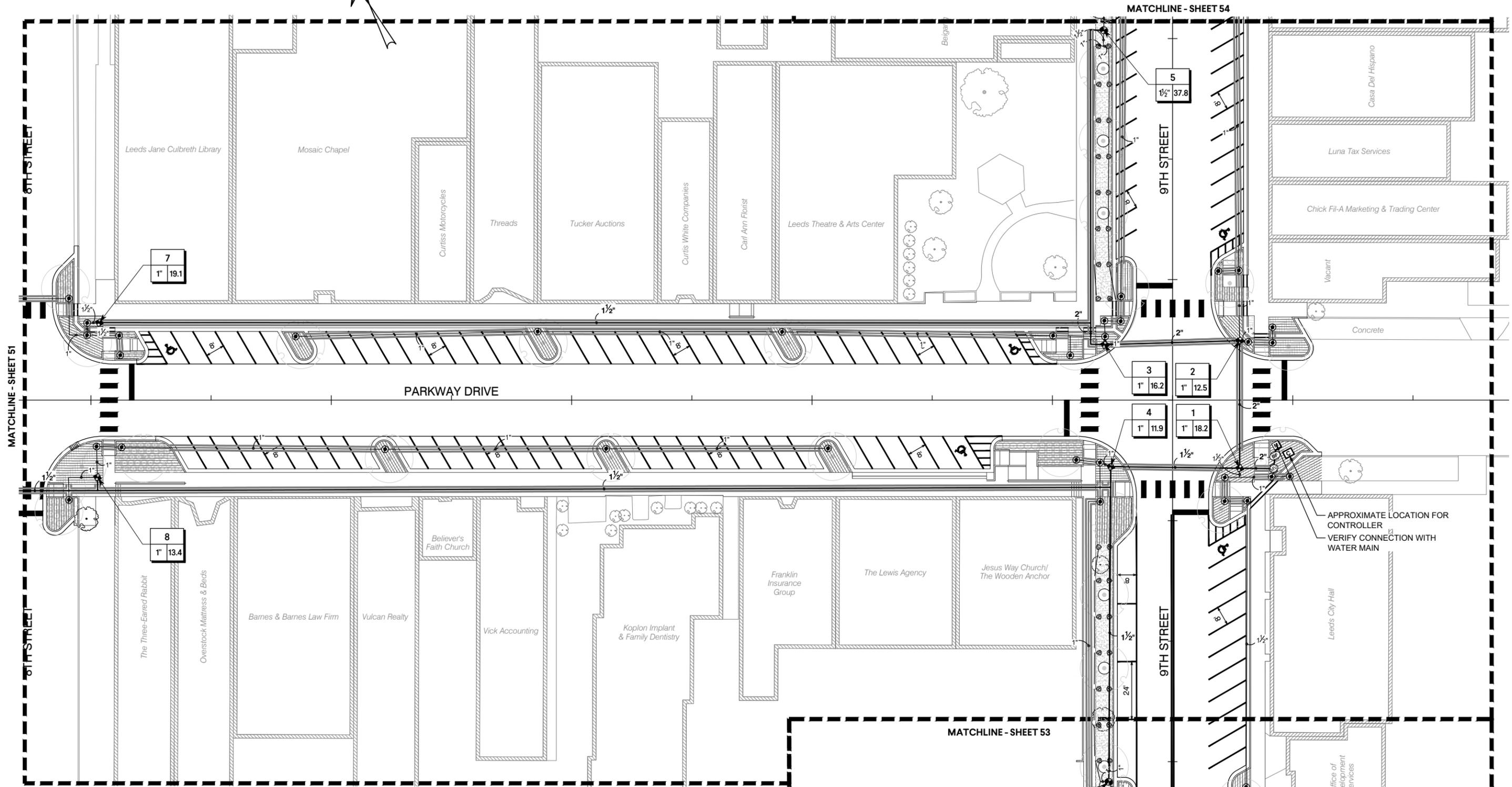
# IRRIGATION PLAN

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
TAPAA-TA22(911)	2024	51



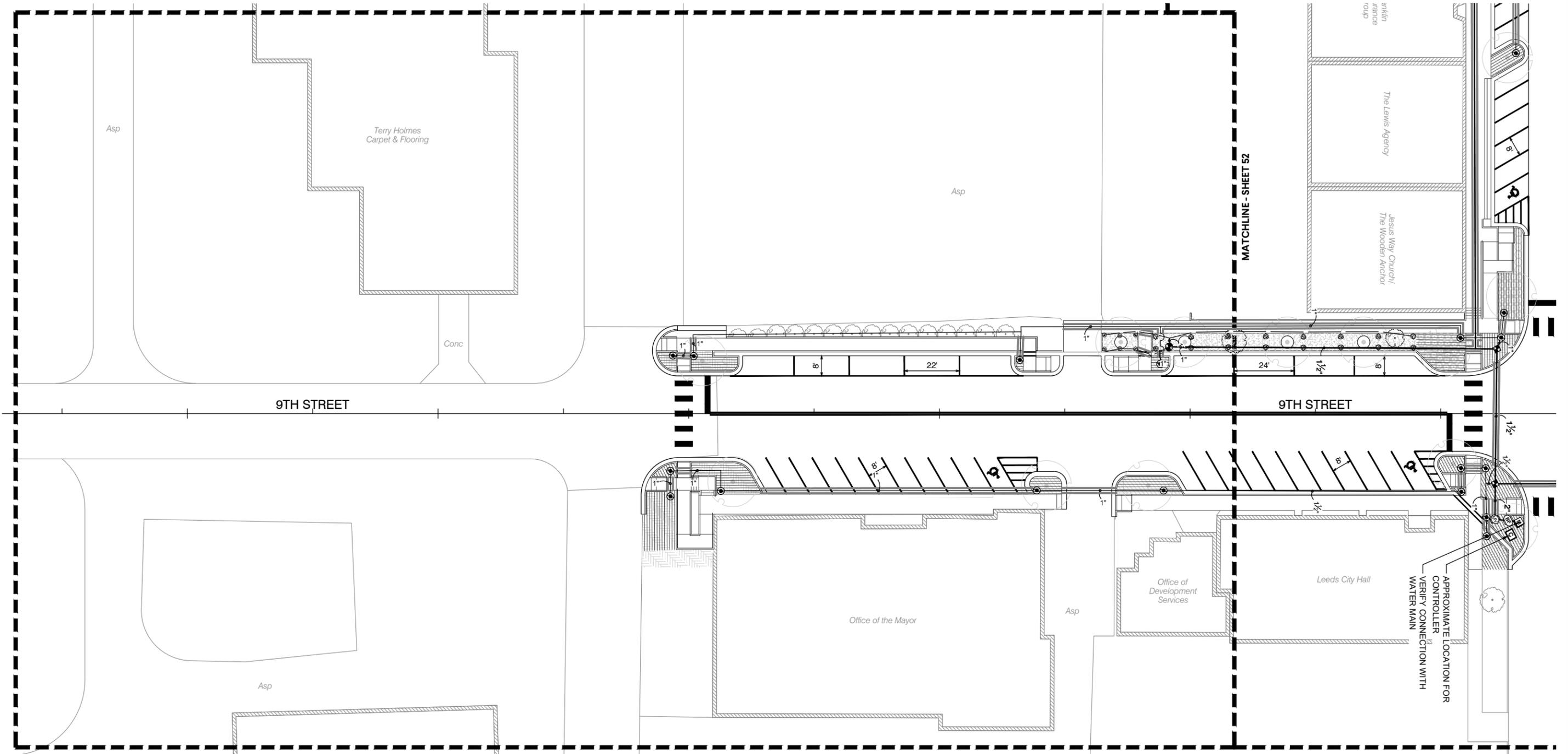
# IRRIGATION PLAN

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
TAPAA-TA22(911)	2024	52



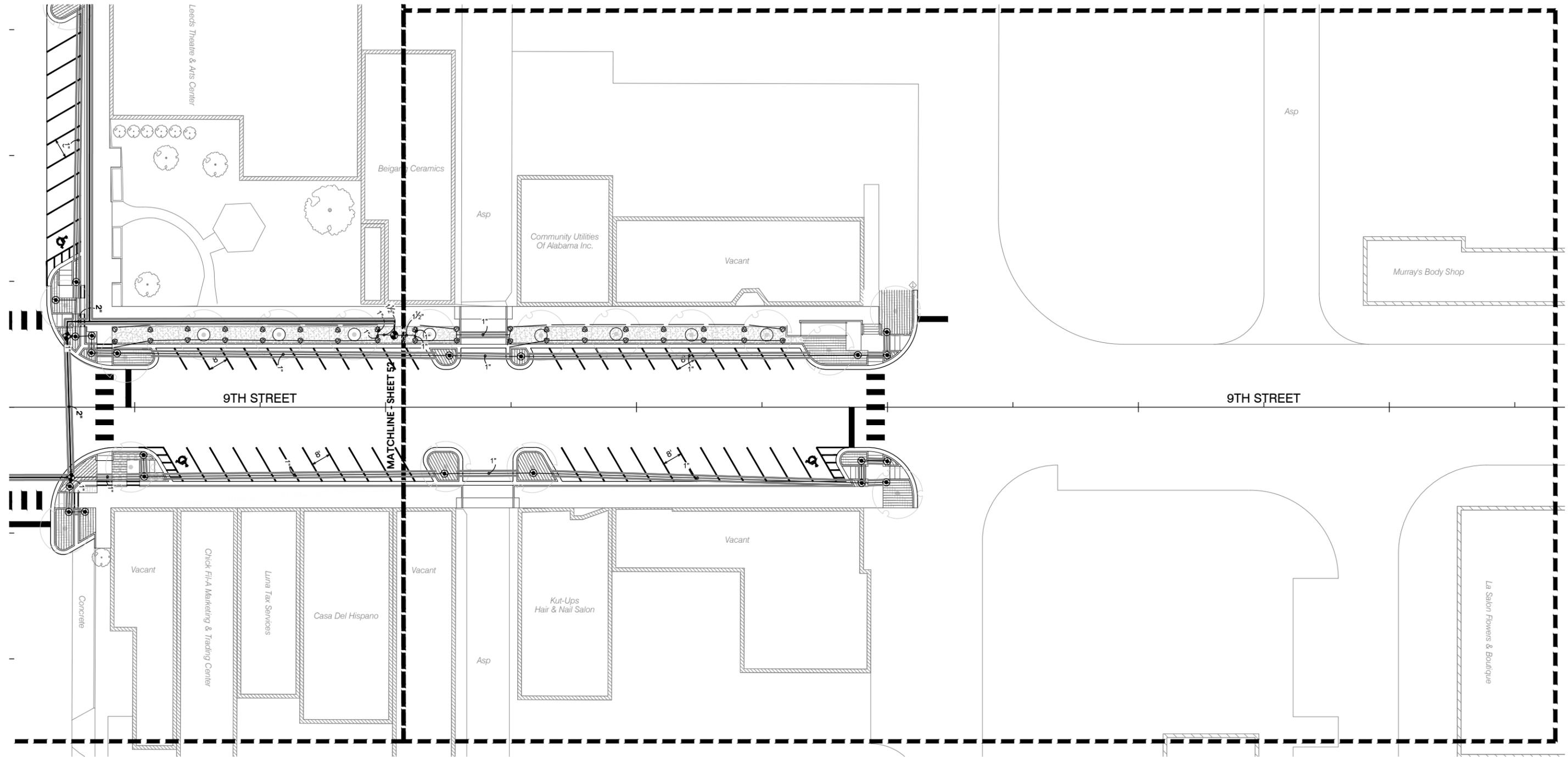
# IRRIGATION PLAN

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
TAPAA-TA22(911)	2024	53



# IRRIGATION PLAN

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
TAPAA-TA22(911)	2024	54



REVISIONS:

PLAN SUBMITTAL

PLANS PREPARED BY:

GOODWYN MILLS CAWOOD, LLC

HORZ  SCALE (FEET)

SHEET TITLE

LANDSCAPING PLAN

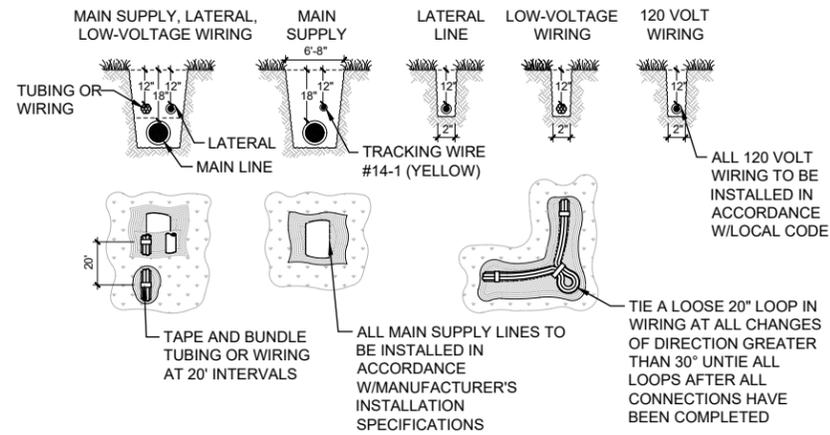
ROUTE

SR-4

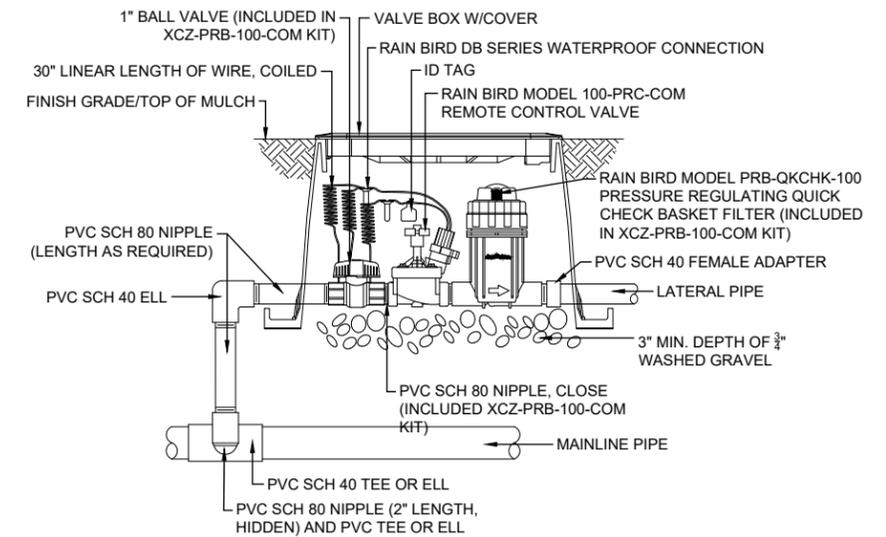
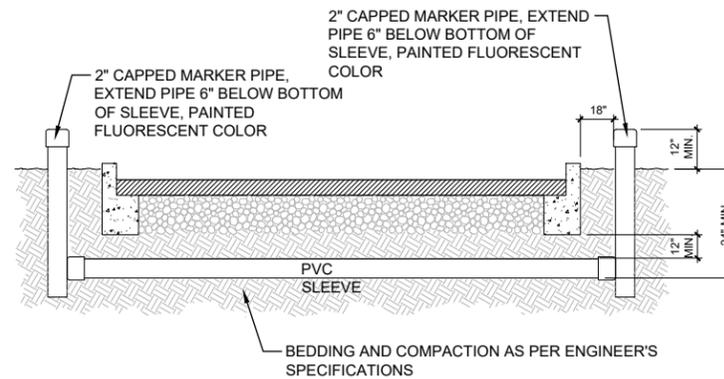
# IRRIGATION DETAILS

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
TAPAA-TA22(911)	2024	55

CONTRACTOR TO COMPLY W/ALL LOCAL CODES AND ORDINANCES IN REFERENCE TO THE INSTALLATION OF PVC PIPING AND LOW VOLTAGE WIRING.

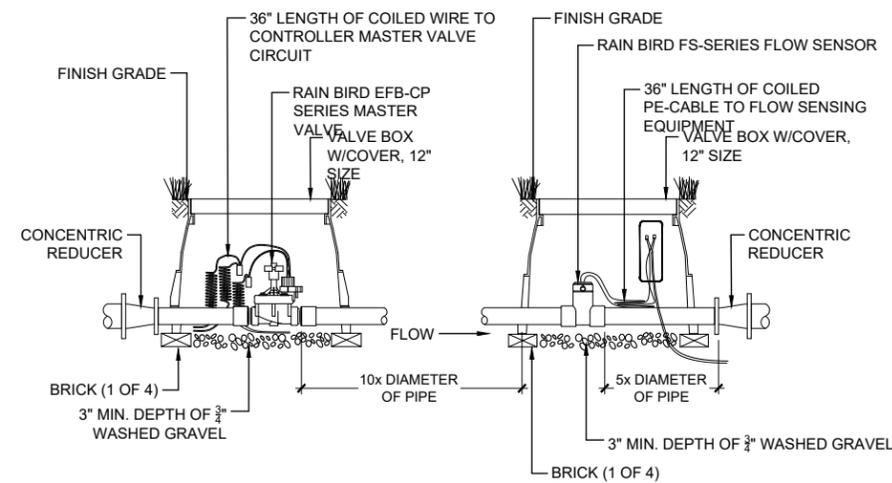


NOTE: INSTALLER OF SLEEVES SHALL BE RESPONSIBLE TO LOCATE SLEEVES IF NOT PROPERLY INSTALLED



## 1 IRRIGATION TRENCHING

NTS

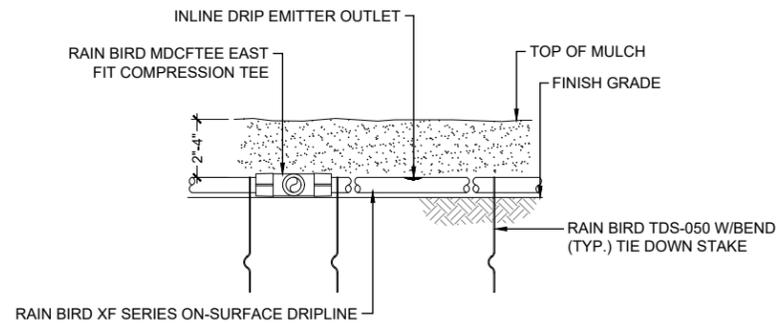


## 4 RAIN BIRD MASTER VALVE/FLOW SENSOR

NTS

## 2 IRRIGATION SLEEVING

NTS



NOTES:

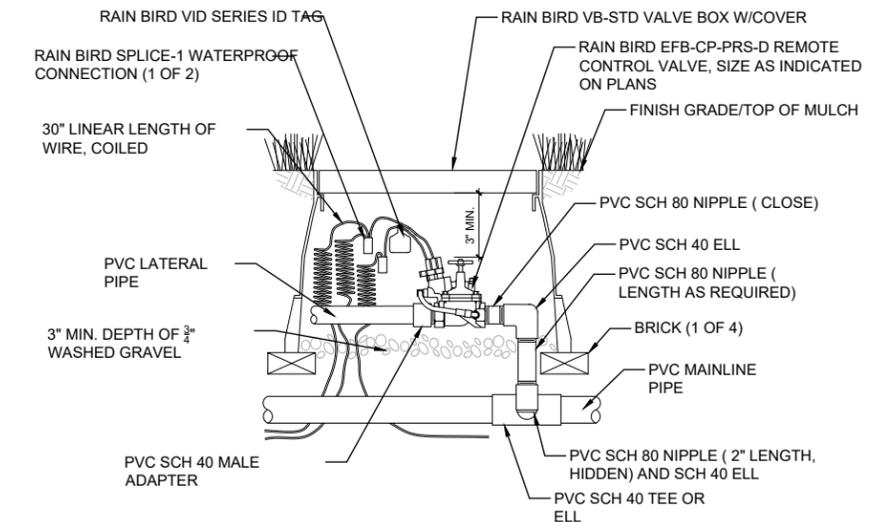
- PLACE TIE DOWN STAKES EVERY 3' IN SAND, 4' IN LOAM, AND 5' IN CLAY.
- AT FITTINGS WHERE THERE IS A CHANGE OF DIRECTION SUCH AS TEES OR ELBOWS, USE TIE-DOWN STAKES ON EACH LEG OF THE CHANGE OF DIRECTION.

## 5 RAIN BIRD XFCVDRIPLINE AT GRADE

NTS

## 3 RAIN BIRD 1" DRIP CONTROL ZONE KIT

NTS



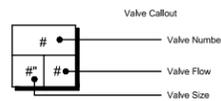
## 6 RAIN BIRD EFB-CP MASTER VALVE

NTS

# IRRIGATION NOTES AND SCHEDULES

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
TAPAA-TA22(911)	2024	56

IRRIGATION SCHEDULE		
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD 1804-SAM-PRS 15 STRIP SERIES TURF SPRAY 4.0IN. POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL, 1/2IN. NPT FEMALE THREADED INLET, WITH SEAL-A-MATIC CHECK VALVE, PRESSURE REGULATING.	52
	RAIN BIRD 1804-SAM-PRS ADJ TURF SPRAY 4.0IN. POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL, 1/2IN. NPT FEMALE THREADED INLET, WITH SEAL-A-MATIC CHECK VALVE, PRESSURE REGULATING.	6
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD XCZ-100-LC WIDE FLOW DRIP CONTROL KIT, FOR LIGHT COMMERCIAL USES, 1IN. PEB VALVE, WITH 1IN. PRESSURE REGULATING 40PSI BASKET FILTER, 0.3-20 GPM.	7
	PIPE TRANSITION POINT ABOVE GRADE	73
	PIPE TRANSITION POINT FROM PVC LATERAL TO DRIP TUBING WITH RISER TO ABOVE GRADE INSTALLATION.	
	AREA TO RECEIVE DRIPLINE	
	RAIN BIRD XFCV-06-12 XFCV XON-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 3.5 PSI CHECK VALVE, 0.6 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. GREAT FOR ELEVATION CHANGE. SPECIFY XF INSERT FITTINGS.	10,975 L.F.
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD PEB-PRS-D 1IN., 1-1/2IN., 2IN. PLASTIC INDUSTRIAL VALVES. LOW FLOW OPERATING CAPABILITY, GLOBE CONFIGURATION, WITH PRESSURE REGULATOR MODULE.	2
	RAIN BIRD EFB-CP-PRS-D 1-1/2" 1IN., 1-1/4", 1-1/2IN., 2IN. BRASS MASTER VALVE, THAT IS CONTAMINATION PROOF W/SELF-FLUSHING FILTER SCREEN. GLOBE CONFIGURATION, RECLAIMED WATER COMPATIBLE, AND PURPLE HANDLE COVER DESIGNATES NON-POTABLE WATER USE. WITH PRESSURE REGULATOR.	1
	WATTS 009 1-1/2" REDUCED PRESSURE BACKFLOW PREVENTER	1
	RAIN BIRD ESP-LXD 50 STATION, 2-WIRE DECODER BASED CONTROLLER. (1) ESP-LXD 50-STATION, INDOOR/OUTDOOR, PLASTIC WALL-MOUNT ENCLOSURE. SYSTEM REQUIREMENTS: RAIN BIRD FD-XXX-TURF FIELD DECODERS, PAIGE ELECTRIC CABLE P7072D & RAIN BIRD WC20 DRY SPLICES ONLY. GROUND SYSTEM W/ (X) LSP-TURF LINE SURGE PROTECTORS IN RAIN BIRD ROUND VALVE BOXES. INSTALL PER MANUFACTURERS RECOMMENDATIONS.	1
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	3,971 L.F.
	IRRIGATION MAINLINE: PVC SCHEDULE 40	1,356 L.F.



## ZONE SCHEDULE

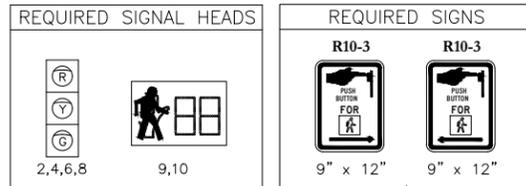
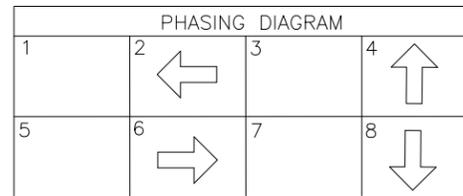
ZONE	HEAD TYPE	GPM
1	Area for Dripline	19.05
2	Area for Dripline	18.6
3	Area for Dripline	13.4
4	Area for Dripline	11.9
5	Area for Dripline	18.18
6	Area for Dripline	12.45
7	Turf Spray	37.8
8	Area for Dripline	16.16
9	Turf Spray	19.42

## IRRIGATION NOTES

- IRRIGATION DRAWINGS ARE DIAGRAMMATIC IN GENERAL AND SUBJECT TO THE REQUIREMENTS OF THE PLANTING PLAN. THE IRRIGATION DRAWINGS INDICATE THE GENERAL LOCATION OF THE COMPONENT PARTS OF THE SYSTEM, BUT ARE NOT INTENDED TO SHOW ALL FITTINGS OR ALL DETAILS OF THE IRRIGATION WORK.
- ALL IRRIGATION WORK WILL BE PERFORMED IN COMPLIANCE WITH ALL APPLICABLE CODES AND STANDARDS INCLUDING CITY CODES, ORDINANCES, AND REGULATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITS, FEES, AND APPROVALS FROM GOVERNING AUTHORITIES.
- THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH SITE CONTRACTOR THE INSTALLATION OF THE IRRIGATION WATER METER AND BACKFLOW PREVENTER AND CONNECTION TO NEW IRRIGATION SYSTEM.
- TEST WATER PRESSURE DOWNSTREAM OF THE IRRIGATION WATER METER OR PUMP STATION DISCHARGE TO CONFIRM AVAILABILITY OF PROPER OPERATING PRESSURE. NOTIFY LANDSCAPE ARCHITECT IF AVAILABLE PRESSURE IS INSUFFICIENT OR EXCESSIVE.
- PIPING FOR MAIN LINES SHALL BE PVC SCHEDULE 40 AND ALL LATERAL LINES SHALL BE PVC CLASS 200. FITTINGS WILL BE PVC FOR CORRESPONDING SERVICE. PIPE DEPTH WILL BE A MINIMUM OF 12 IN. TO 18 IN. FOR ALL MAIN AND LATERAL LINES. PIPE DEPTH MAY VARY DEPENDING ON LOCAL FROST DEPTH AND/OR REQUIREMENTS OF LOCAL GOVERNING AUTHORITIES AT SITE'S LOCATION.
- ACCEPTABLE MANUFACTURER FOR IRRIGATION PRODUCTS IS SPECIFIED IN THE IRRIGATION SCHEDULE UNLESS OTHERWISE INDICATED. ALTERNATE IRRIGATION MANUFACTURER'S EQUIPMENT MAY BE SUBSTITUTED WITH APPROVAL FROM THE LANDSCAPE ARCHITECT PRIOR TO BID. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS SHOWING HEAD LAYOUT AND LOCATIONS, VALVE LOCATIONS, PERFORMANCE DATA, ETC. SHOULD ALTERNATE MANUFACTURER BE USED.
- INSTALL ALL IRRIGATION COMPONENTS AS PER MANUFACTURER'S RECOMMENDATIONS OR INSTRUCTIONS.
- REMOTE CONTROL VALVES AND OTHER UNDERGROUND DEVICES WILL BE INSTALLED IN PLASTIC BOXES WITH PLASTIC COVERS OF THE SIZE REQUIRED TO ENSURE ADJUSTMENT OF THE DEVICE. GROUP DEVICES IN SINGLE BOXES WHERE POSSIBLE.
- IRRIGATION HEADS TO BE LOCATED A MINIMUM OF 4 IN. OFF SIDEWALKS/CURBS AND 6 IN. FROM BUILDINGS OR WALLS.
- ADJUST IRRIGATION AS NECESSARY TO AVOID EXISTING UTILITIES, LIGHT POLES, BUILDINGS, AND/OR OTHER UNFORESEEN OBSTRUCTIONS.
- IRRIGATION CONTROLLER LOCATION SHOWN ON DRAWINGS IS APPROXIMATE AND ONLY A PLACEHOLDER. LANDSCAPE CONTRACTOR TO VERIFY EXACT LOCATION OF IRRIGATION CONTROLLER WITH OWNER PRIOR TO CONSTRUCTION. CONTRACTOR TO PROVIDE CONTROLLER WITH APPROPRIATE ENCLOSURE FOR SPECIFIC LOCATION WHETHER INTERIOR, EXTERIOR, WALL MOUNT, OR PEDESTAL ENCLOSURE APPLICATION.
- CONTRACTOR SHALL INSTALL GROUNDING, SURGE, AND LIGHTNING PROTECTION AS PER IRRIGATION MANUFACTURER'S RECOMMENDATIONS.
- VALVES, CONTROLLERS, AND ALL IRRIGATION EQUIPMENT TO HAVE PROPER GROUNDING PROTECTION AS PER IRRIGATION MANUFACTURER'S RECOMMENDATIONS.
- CONTRACTOR SHALL SUBMIT AS-BUILT DRAWINGS OF THE SYSTEM AT THE COMPLETION OF THE PROJECT.

TRAFFIC SIGNAL LAYOUT – SR-4 (US-78/PARKWAY DRIVE) AT 8TH STREET  
SHEET 1 OF 2

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
TAPAA-TA22(911)	2024	61



GENERAL CONSTRUCTION NOTES:

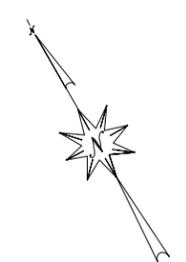
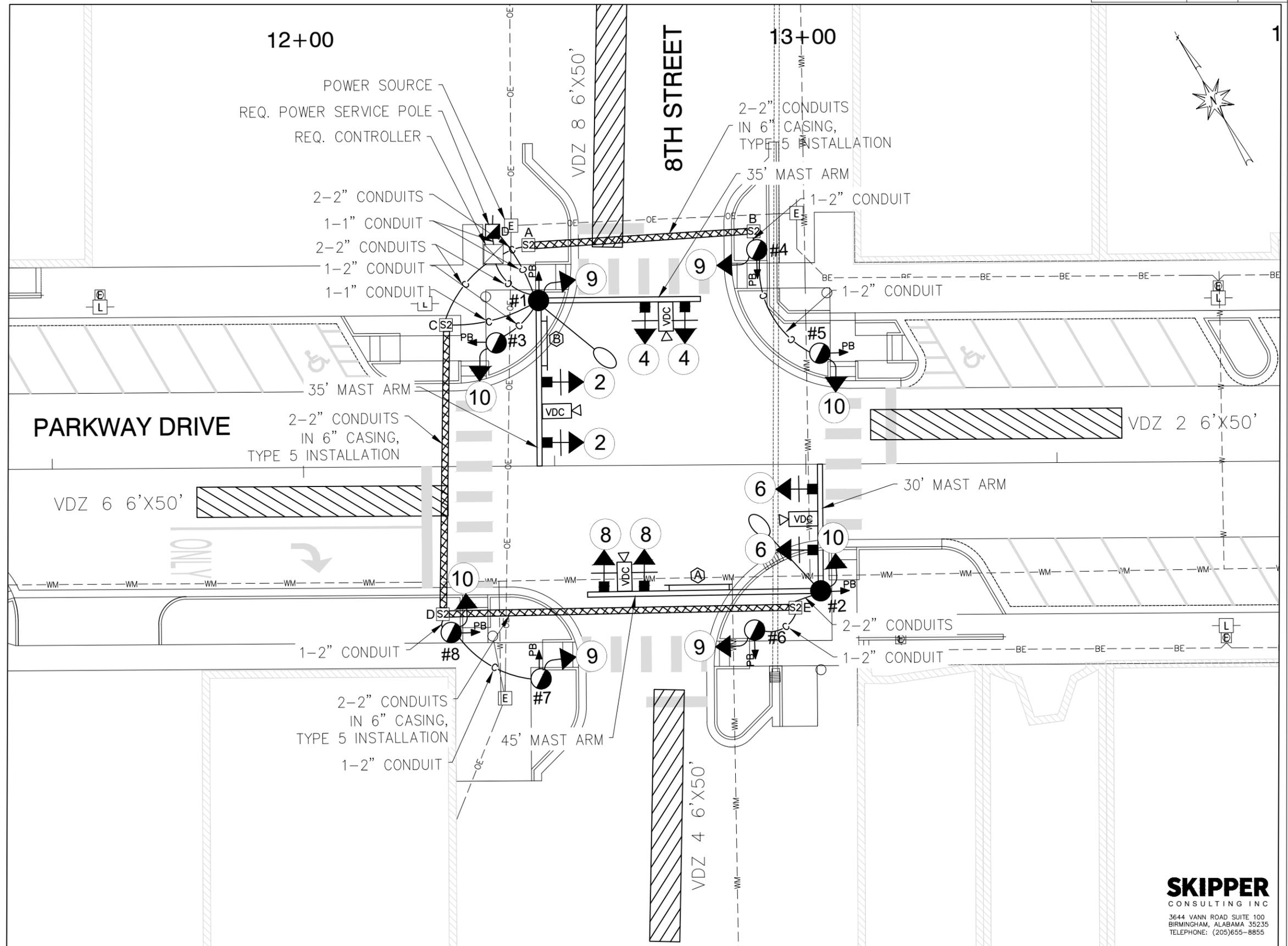
- USE TSOP NO. 29 (INDEX 73081).
- PAVEMENT MARKINGS SHOWN ARE FOR ILLUSTRATIVE PURPOSES UNLESS OTHERWISE NOTED.
- BASE MAP INFORMATION PROVIDED BY GOODWYN, MILLS, AND CAWOOD.
- REQUIRED CONTROLLER SHALL BE AN ECONOLITE COBALT ATC SHELF MOUNT CONTROLLER.
- CONTRACTOR SHALL PROVIDE A MINIMUM OF ONE (1) OFF-DUTY POLICE OFFICER AT THE INTERSECTION TO CONTROL TRAFFIC ANY TIME THE SIGNAL IS NOT IN STOP-AND-GO OPERATION. THIS SHALL BE PAID FOR UNDER PAY ITEM 745A-000.
- SEE SHEET NO. 63 FOR REQUIRED DECORATIVE TRAFFIC SIGNAL EQUIPMENT.
- SEE SHEET NO. 63 FOR ILLUMINATED OVERHEAD STREET NAME SIGN DETAILS.
- SEE SHEET NO. 64 FOR REQUIRED ITS DEVICES.
- THE FOLLOWING TRAFFIC SIGNAL EQUIPMENT SHALL BE BLACK: VEHICLE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS, MOUNTING BRACKETS, LUMINAIRES, LUMINAIRE ARMS. MAST ARMS, SIGNAL POLES, PEDESTAL POLES, DECORATIVE POLE BASES, AND CONTROLLER CABINET.

VIDEO DETECTION ZONE CHART

ZONE	PHASE	SIZE	COMMENTS
ZONE 2	2	6'x50'	
ZONE 4	4	6'x50'	
ZONE 6	6	6'x50'	
ZONE 8	8	6'x50'	

ESTIMATED EQUIPMENT AND MATERIAL SCHEDULE (730C PAY ITEM)

DESCRIPTION
MISC. HARDWARE
#14 AWG IMSA 20-1 SIGNAL CABLE



ALABAMA DEPARTMENT OF TRANSPORTATION



**SKIPPER**  
CONSULTING INC  
3644 VANN ROAD SUITE 100  
BIRMINGHAM, ALABAMA 35235  
TELEPHONE: (205)655-8855

RESPONSIBLE PE: RICHARD L. CAUDLE, P.E.  
DATE: OCTOBER 24, 2023

SUPERVISOR:  
DATE:

DESIGNER:  
DATE:

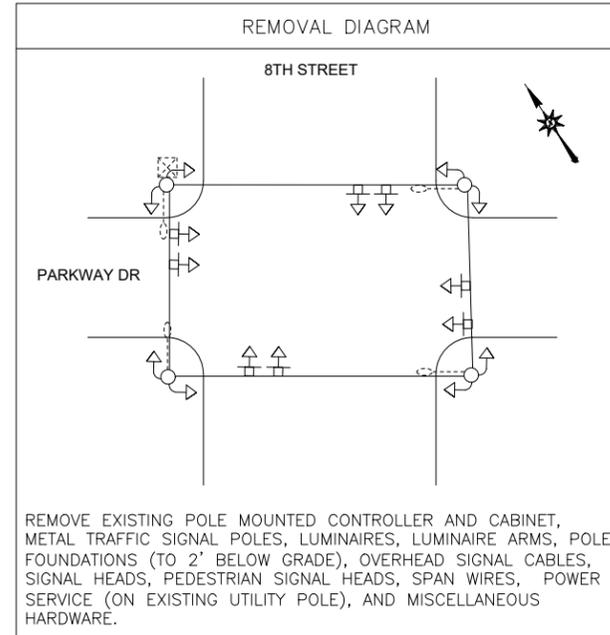
PLAN SUBMITTAL

SHEET TITLE: TRAFFIC SIGNAL LAYOUT  
ROUTE: SR-4

TRAFFIC SIGNAL LAYOUT – SR-4 (US-78/PARKWAY DRIVE) AT 8TH STREET  
SHEET 2 OF 2

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
TAPAA-TA22(911)	2024	61A

CONDUIT AND CONDUCTOR SCHEDULE			
CONDUIT	CONDUCTOR	FROM	TO
1-1"	3C-#6 AWG CONTROLLER POWER	DISCONNECT SWITCH	CONTROLLER
1-1"	3C-#8 AWG LUMINAIRE POWER	DISCONNECT SWITCH	POLE #1
1-1"	3C-#8 AWG LUMINAIRE POWER	POLE #1	JUNCTION BOX C
---	3C-#8 AWG LUMINAIRE POWER	JUNCTION BOX C	JUNCTION BOX D
---	3C-#8 AWG LUMINAIRE POWER	JUNCTION BOX D	JUNCTION BOX E
---	3C-#8 AWG LUMINAIRE POWER	JUNCTION BOX E	POLE #2
---	3C-#10 AWG LUMINAIRE POWER	POLE BASE	LUMINAIRE FIXTURE
2-2"	---	CONTROLLER	POLE #1
2-2"	---	CONTROLLER	JUNCTION BOX A
2-2"	---	CONTROLLER	JUNCTION BOX C
2-2"	---	JUNCTION BOX A	JUNCTION BOX B
1-2"	---	JUNCTION BOX B	POLE #4
1-2"	---	POLE #4	POLE #5
1-2"	---	POLE #1	POLE #3
2-2"	---	JUNCTION BOX C	JUNCTION BOX D
2-2"	---	JUNCTION BOX D	JUNCTION BOX E
1-2"	---	JUNCTION BOX D	POLE #8
1-2"	---	POLE #8	POLE #7
2-2"	---	JUNCTION BOX E	POLE #2
1-2"	---	JUNCTION BOX E	POLE #6
---	4C-#14 AWG IMSA 20-1 SIGNAL CABLE	CONTROLLER	SIGNAL HEADS #2
---	4C-#14 AWG IMSA 20-1 SIGNAL CABLE	CONTROLLER	SIGNAL HEADS #4
---	4C-#14 AWG IMSA 20-1 SIGNAL CABLE	CONTROLLER	SIGNAL HEAD #6
---	4C-#14 AWG IMSA 20-1 SIGNAL CABLE	CONTROLLER	SIGNAL HEADS #8
---	5C-#14 AWG IMSA 20-1 SIGNAL CABLE	CONTROLLER	SIGNAL HEADS #9 AND PPBs
---	5C-#14 AWG IMSA 20-1 SIGNAL CABLE	CONTROLLER	SIGNAL HEADS #10 AND PPBs
---	3C-#16 AWG CAMERA POWER CABLE	CONTROLLER	VIDEO DETECTION CAMERAS
---	COAXIAL CABLE	CONTROLLER	VIDEO DETECTION CAMERAS
---	3C-#16 AWG SIGN POWER CABLE	CONTROLLER	STREET NAME SIGNS



SUPPORTING STRUCTURES						
POLE NUMBER	POLE LENGTH (FT)	LUMINAIRE ARM LENGTH (FT)	MAST ARM LENGTH (FT)	STATION	OFFSET (FT)	COMMENTS
1	37'	8'	35'/35'	12+47 SR-4	LT 33	
2	37'	8'	30'/45'	13+03 SR-4	RT 25	
3	8'	N/A	N/A	12+39 SR-4	LT 24	
4	8'	N/A	N/A	12+91 SR-4	LT 43	
5	8'	N/A	N/A	13+04 SR-4	LT 22	
6	8'	N/A	N/A	12+90 SR-4	RT 33	
7	8'	N/A	N/A	12+47 SR-4	RT 42	
8	8'	N/A	N/A	12+29 SR-4	RT 33	

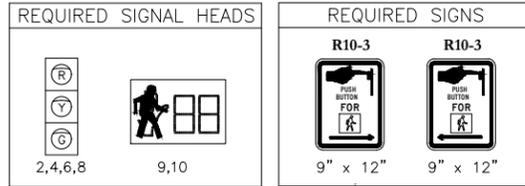
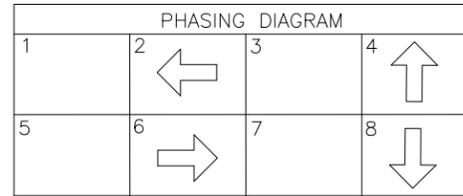
SUGGESTED TIMINGS												
PHASE	MIN INITIAL	PASSAGE	YELLOW	ALL RED	MAX 1	MAX 2	WALK	PED CLEAR	PED OMIT	MIN RECALL	PHASE OMIT	NON-LOCK
1									Y	N	Y	Y
2	15	3.0	3.5	2.8	45	0	7	10	N	Y	N	N
3									Y	N	Y	Y
4	8	3.0	3.3	2.8	20	0	7	11	N	N	N	Y
5									Y	N	Y	Y
6	15	3.0	3.5	2.8	45	0	7	10	N	Y	N	N
7									Y	N	Y	Y
8	8	3.0	3.3	2.8	20	0	7	11	N	N	N	Y

**SKIPPER**  
CONSULTING INC  
3644 VANN ROAD SUITE 100  
BIRMINGHAM, ALABAMA 35235  
TELEPHONE: (205)655-8855

RESPONSIBLE PE: RICHARD L. CAUDLE, P.E.	SUPERVISOR:	DESIGNER:	PLAN SUBMITTAL	ALABAMA DEPARTMENT OF TRANSPORTATION	NOT TO SCALE	SHEET TITLE	ROUTE
DATE: OCTOBER 25, 2023	DATE:	DATE:				TRAFFIC SIGNAL LAYOUT	SR-4

TRAFFIC SIGNAL LAYOUT – SR-4 (US-78/PARKWAY DRIVE) AT 9TH STREET  
SHEET 1 OF 2

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
TAPAA-TA22(911)	2024	62



GENERAL CONSTRUCTION NOTES:

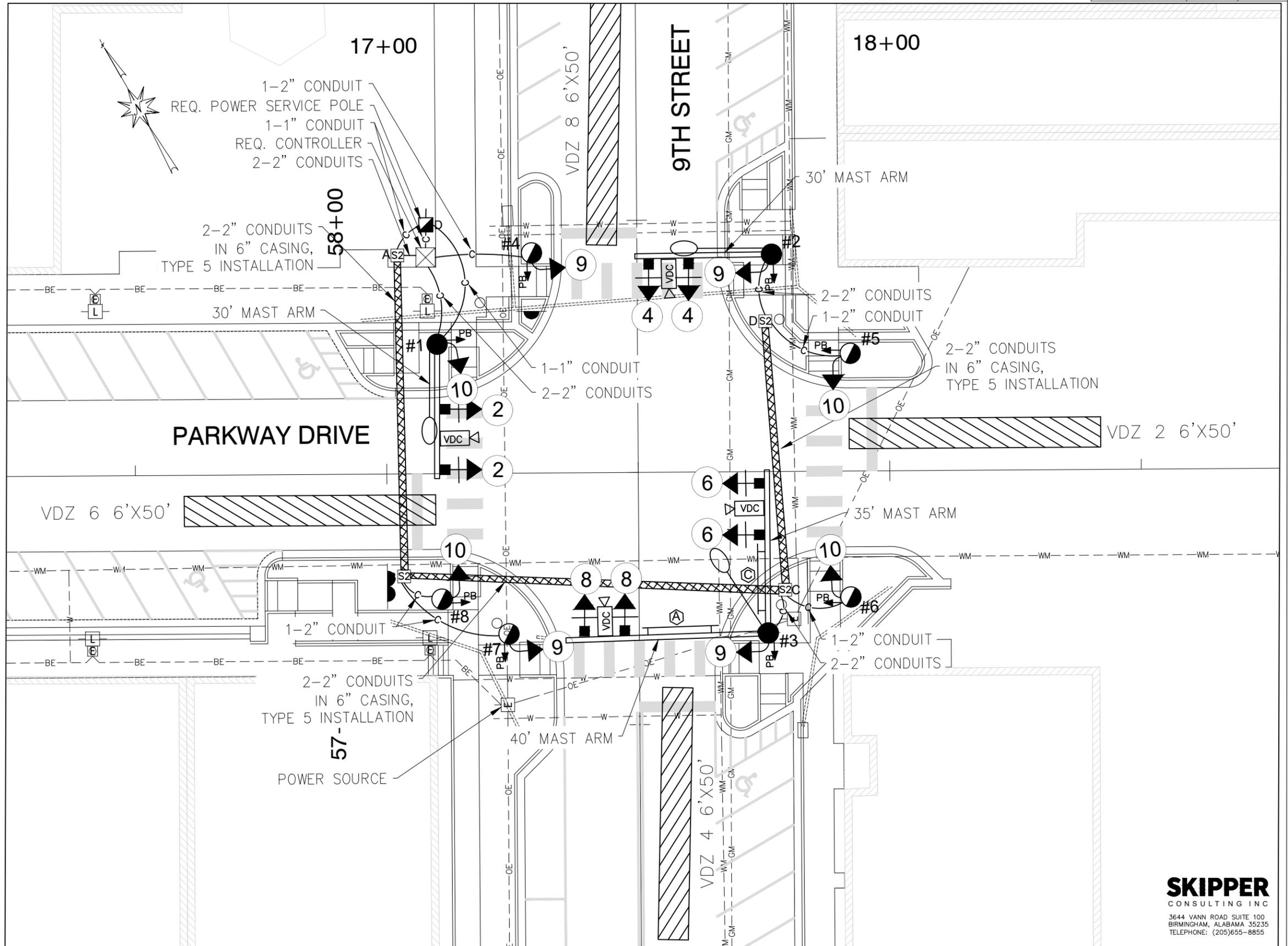
- USE TSOP NO. 29 (INDEX 73081).
- PAVEMENT MARKINGS SHOWN ARE FOR ILLUSTRATIVE PURPOSES UNLESS OTHERWISE NOTED.
- BASE MAP INFORMATION PROVIDED BY GOODWYN, MILLS, AND CAWOOD.
- REQUIRED CONTROLLER SHALL BE AN ECONOLITE COBALT ATC SHELF MOUNT CONTROLLER.
- CONTRACTOR SHALL PROVIDE A MINIMUM OF ONE (1) OFF-DUTY POLICE OFFICER AT THE INTERSECTION TO CONTROL TRAFFIC ANY TIME THE SIGNAL IS NOT IN STOP-AND-GO OPERATION. THIS SHALL BE PAID FOR UNDER PAY ITEM 745A-000.
- SEE SHEET NO. 63 FOR REQUIRED DECORATIVE TRAFFIC SIGNAL EQUIPMENT.
- SEE SHEET NO. 63 FOR ILLUMINATED OVERHEAD STREET NAME SIGN DETAILS.
- SEE SHEET NO. 65 FOR REQUIRED ITS DEVICES.
- THE FOLLOWING TRAFFIC SIGNAL EQUIPMENT SHALL BE BLACK: VEHICLE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS, MOUNTING BRACKETS, LUMINAIRES, LUMINAIRE ARMS. MAST ARMS, SIGNAL POLES, PEDESTAL POLES, DECORATIVE POLE BASES, AND CONTROLLER CABINET.

VIDEO DETECTION ZONE CHART

ZONE	PHASE	SIZE	COMMENTS
ZONE 2	2	6'x50'	
ZONE 4	4	6'x50'	
ZONE 6	6	6'x50'	
ZONE 8	8	6'x50'	

ESTIMATED EQUIPMENT AND MATERIAL SCHEDULE (730C PAY ITEM)

DESCRIPTION
MISC. HARDWARE
#14 AWG IMSA 20-1 SIGNAL CABLE



**SKIPPER**  
CONSULTING INC  
3644 VANN ROAD SUITE 100  
BIRMINGHAM, ALABAMA 35235  
TELEPHONE: (205)655-8855

RESPONSIBLE PE: RICHARD L. CAUDLE, P.E.

SUPERVISOR:

DESIGNER:

PLAN SUBMITTAL



ALABAMA DEPARTMENT OF TRANSPORTATION

10 0 10 20



SHEET TITLE      ROUTE

TRAFFIC SIGNAL LAYOUT      SR-4

DATE: OCTOBER 25, 2023

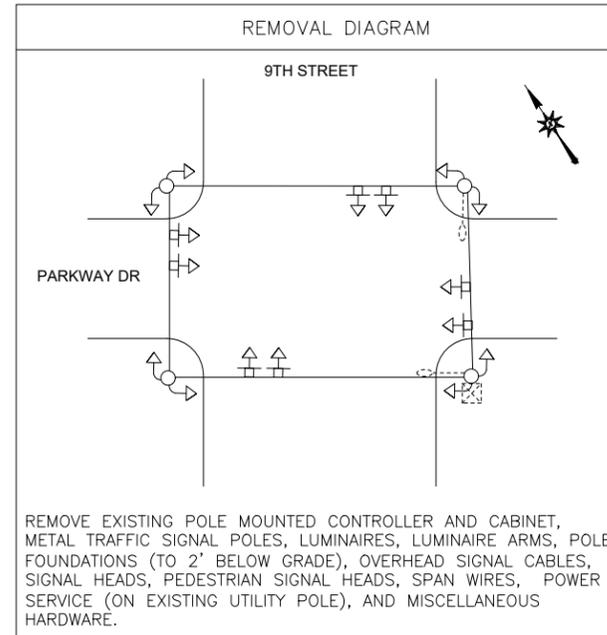
DATE:

DATE:

TRAFFIC SIGNAL LAYOUT – SR-4 (US-78/PARKWAY DRIVE) AT 9TH STREET  
SHEET 2 OF 2

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
TAPAA-TA22(911)	2024	62A

CONDUIT AND CONDUCTOR SCHEDULE			
CONDUIT	CONDUCTOR	FROM	TO
1-1"	3C-#6 AWG CONTROLLER POWER	DISCONNECT SWITCH	CONTROLLER
1-1"	3C-#8 AWG LUMINAIRE POWER	DISCONNECT SWITCH	POLE #1
1-1"	3C-#8 AWG LUMINAIRE POWER	POLE #1	JUNCTION BOX A
---	3C-#8 AWG LUMINAIRE POWER	JUNCTION BOX A	JUNCTION BOX B
---	3C-#8 AWG LUMINAIRE POWER	JUNCTION BOX B	JUNCTION BOX C
---	3C-#8 AWG LUMINAIRE POWER	JUNCTION BOX C	POLE #3
---	3C-#8 AWG LUMINAIRE POWER	JUNCTION BOX C	JUNCTION BOX D
---	3C-#8 AWG LUMINAIRE POWER	JUNCTION BOX D	POLE #2
---	3C-#10 AWG LUMINAIRE POWER	POLE BASE	LUMINAIRE FIXTURE
2-2"	---	CONTROLLER	POLE #1
2-2"	---	CONTROLLER	JUNCTION BOX A
1-2"	---	CONTROLLER	POLE #4
2-2"	---	JUNCTION BOX A	JUNCTION BOX B
1-2"	---	JUNCTION BOX B	POLE #7
1-2"	---	JUNCTION BOX B	POLE #8
2-2"	---	JUNCTION BOX B	JUNCTION BOX C
2-2"	---	JUNCTION BOX C	POLE #3
1-2"	---	JUNCTION BOX C	POLE #6
2-2"	---	JUNCTION BOX C	JUNCTION BOX D
2-2"	---	JUNCTION BOX D	POLE #2
1-2"	---	JUNCTION BOX D	POLE #5
---	4C-#14 AWG IMSA 20-1 SIGNAL CABLE	CONTROLLER	SIGNAL HEADS #2
---	4C-#14 AWG IMSA 20-1 SIGNAL CABLE	CONTROLLER	SIGNAL HEADS #4
---	4C-#14 AWG IMSA 20-1 SIGNAL CABLE	CONTROLLER	SIGNAL HEAD #6
---	4C-#14 AWG IMSA 20-1 SIGNAL CABLE	CONTROLLER	SIGNAL HEADS #8
---	5C-#14 AWG IMSA 20-1 SIGNAL CABLE	CONTROLLER	SIGNAL HEADS #9 AND PPBs
---	5C-#14 AWG IMSA 20-1 SIGNAL CABLE	CONTROLLER	SIGNAL HEADS #10 AND PPBs
---	3C-#16 AWG CAMERA POWER CABLE	CONTROLLER	VIDEO DETECTION CAMERAS
---	COAXIAL CABLE	CONTROLLER	VIDEO DETECTION CAMERAS
---	3C-#16 AWG SIGN POWER CABLE	CONTROLLER	STREET NAME SIGNS



SUPPORTING STRUCTURES						
POLE NUMBER	POLE LENGTH (FT)	LUMINAIRE ARM LENGTH (FT)	MAST ARM LENGTH (FT)	STATION	OFFSET (FT)	COMMENTS
1	37'	8'	30'	17+10 SR-4	LT 26	
2	37'	8'	30'	17+77 SR-4	LT 43	
3	37'	8'	35'/40'	17+76 SR-4	RT 32	
4	8'	N/A	N/A	17+29 SR-4	LT 44	
5	8'	N/A	N/A	17+92 SR-4	LT 23	
6	8'	N/A	N/A	17+92 SR-4	RT 25	
7	8'	N/A	N/A	17+24 SR-4	RT 32	
8	8'	N/A	N/A	17+11 SR-4	RT 25	

SUGGESTED TIMINGS												
PHASE	MIN INITIAL	PASSAGE	YELLOW	ALL RED	MAX 1	MAX 2	WALK	PED CLEAR	PED OMIT	MIN RECALL	PHASE OMIT	NON-LOCK
1									Y	N	Y	Y
2	15	3.0	3.5	2.8	45	0	7	10	N	Y	N	N
3									Y	N	Y	Y
4	8	3.0	3.3	2.8	20	0	7	11	N	N	N	Y
5									Y	N	Y	Y
6	15	3.0	3.5	2.8	45	0	7	10	N	Y	N	N
7									Y	N	Y	Y
8	8	3.0	3.3	2.8	20	0	7	11	N	N	N	Y

**SKIPPER**  
CONSULTING INC  
3644 VANN ROAD SUITE 100  
BIRMINGHAM, ALABAMA 35235  
TELEPHONE: (205)655-8855

RESPONSIBLE PE: RICHARD L. CAUDLE, P.E.

SUPERVISOR:

DESIGNER:

PLAN SUBMITTAL



ALABAMA DEPARTMENT OF TRANSPORTATION

DATE: OCTOBER 25, 2023

DATE:

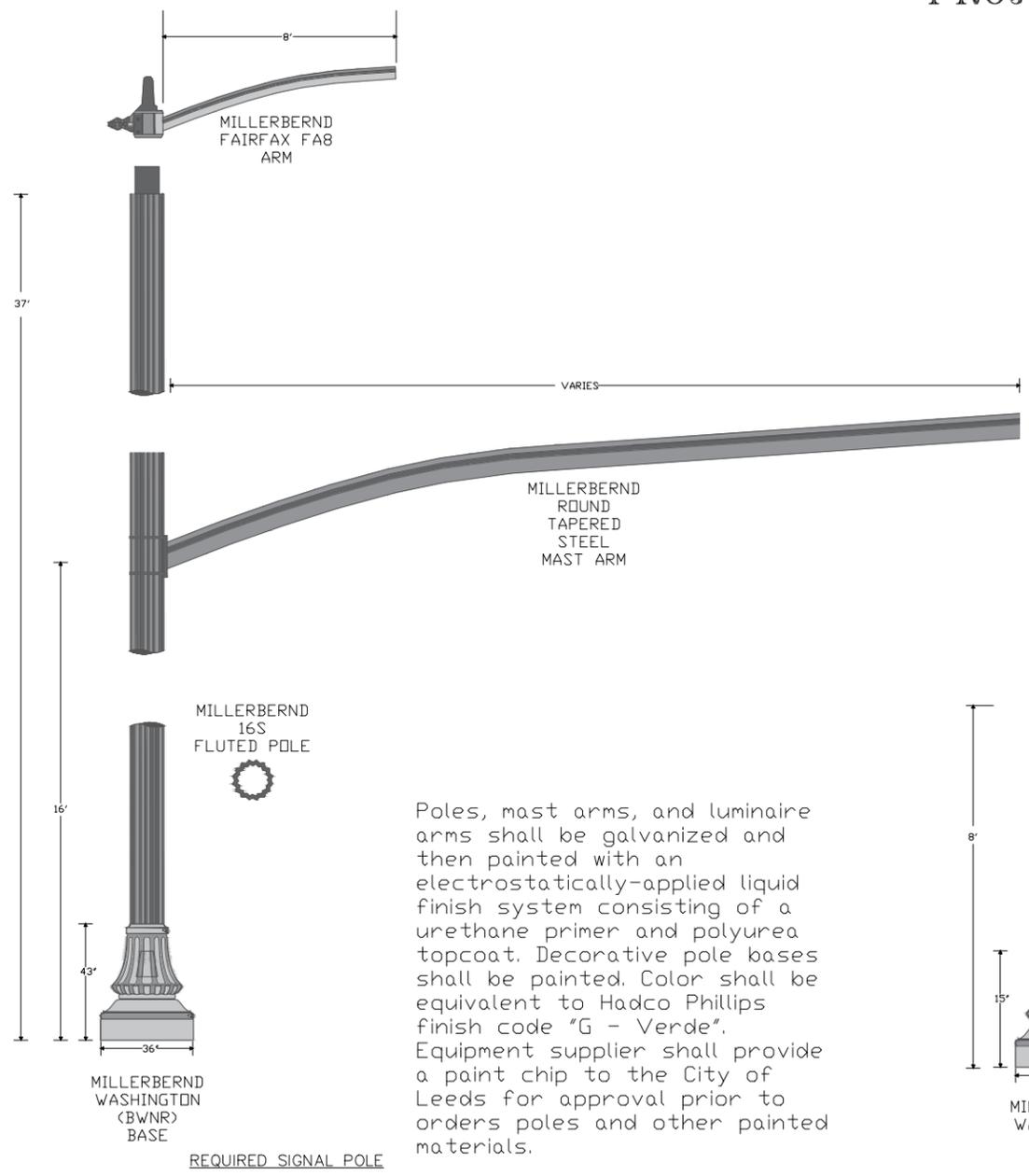
DATE:

NOT TO SCALE

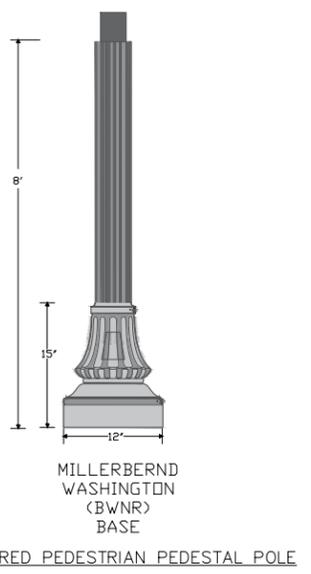
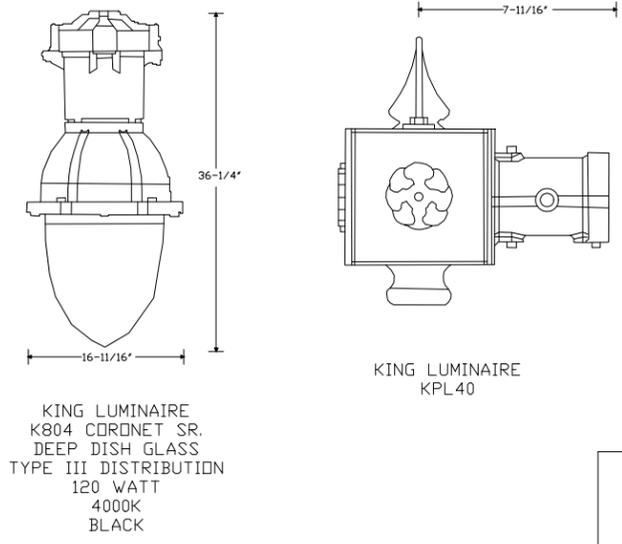
SHEET TITLE: TRAFFIC SIGNAL LAYOUT  
ROUTE: SR-4

# SPECIAL PROJECT DETAILS

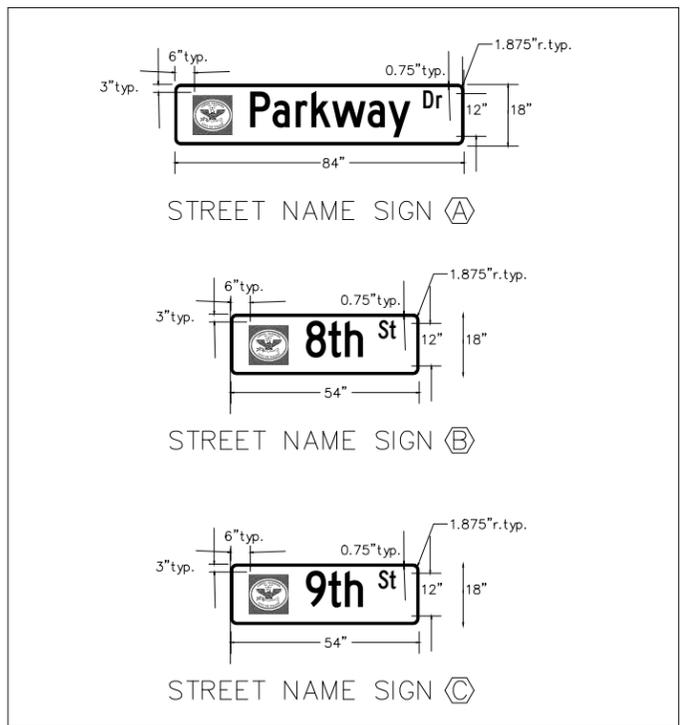
## PROJECT NO. TAPAA-TA22(911)



Poles, mast arms, and luminaire arms shall be galvanized and then painted with an electrostatically-applied liquid finish system consisting of a urethane primer and polyurea topcoat. Decorative pole bases shall be painted. Color shall be equivalent to Hadco Phillips finish code "G - Verde". Equipment supplier shall provide a paint chip to the City of Leeds for approval prior to orders poles and other painted materials.



### REQUIRED STREET NAME SIGNS

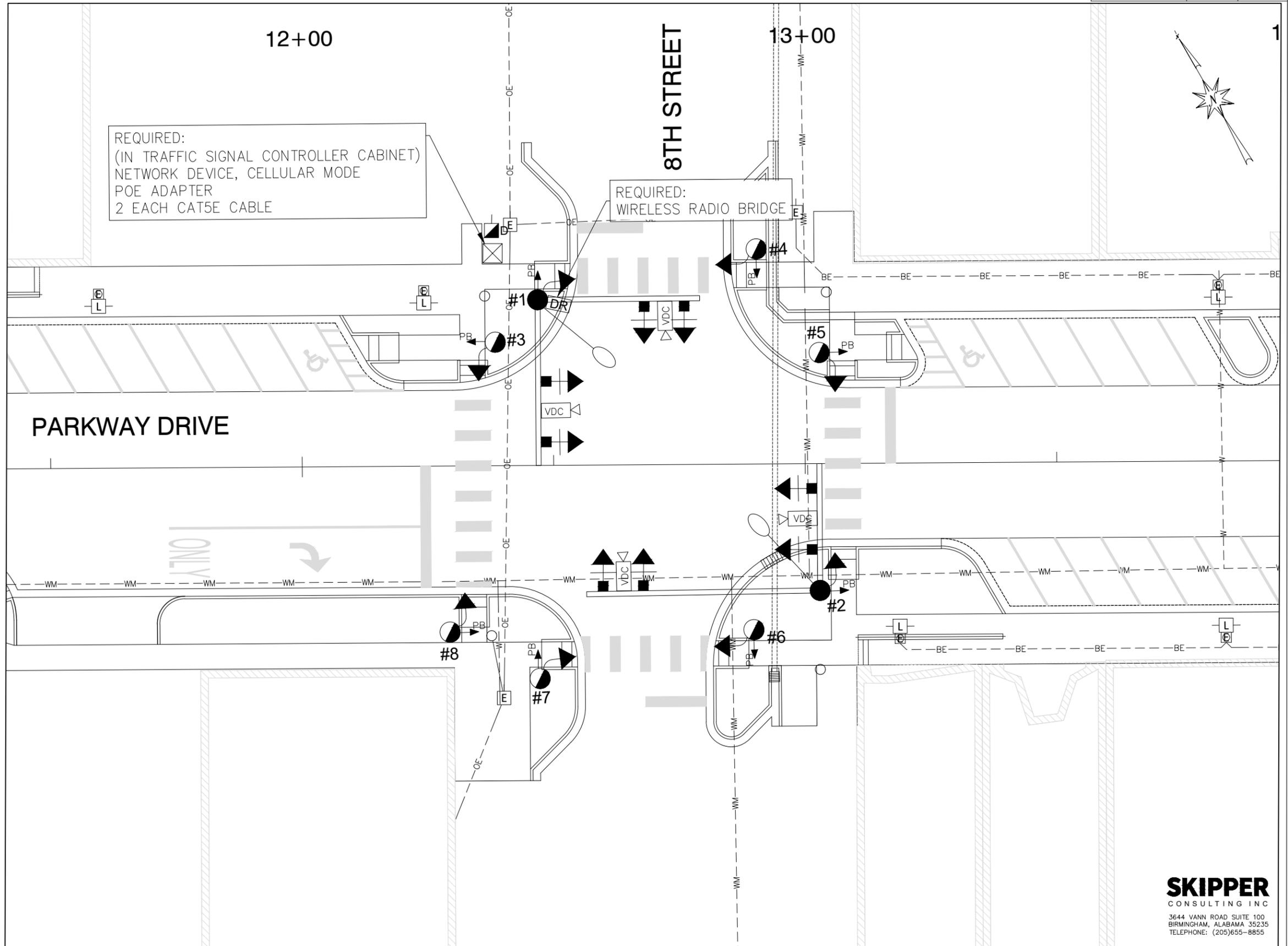


REQUIRED STREET NAME SIGNS SHALL BE EDGE LIT INTERNALLY ILLUMINATED DOUBLE FACE.  
LEGEND, BORDER, AND BACKGROUND SHALL BE REFLECTIVE TYPE IX SHEETING.  
LEGEND AND BORDER SHALL BE WHITE.  
BACKGROUND SHALL BE GREEN.  
LETTERING SHALL BE HIGHWAY "C" SERIES FONT.

ITS LAYOUT – SR-4 (US-78/PARKWAY DRIVE) AT 8TH STREET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
TAPAA-TA22(911)	2024	64

- GENERAL CONSTRUCTION NOTES:
1. BASE MAP INFORMATION PROVIDED BY GOODWYN, MILLS, AND CAWOOD.
  2. SEE SHEET NO. 61 FOR REQUIRED TRAFFIC SIGNAL EQUIPMENT



**SKIPPER**  
CONSULTING INC  
3644 VANN ROAD SUITE 100  
BIRMINGHAM, ALABAMA 35235  
TELEPHONE: (205)655-8855

RESPONSIBLE PE: RICHARD L. CAUDLE, P.E.

SUPERVISOR:

DESIGNER:

PLAN SUBMITTAL



ALABAMA DEPARTMENT OF TRANSPORTATION

10 0 10 20



SHEET TITLE

ROUTE

DATE: OCTOBER 24, 2023

DATE:

DATE:

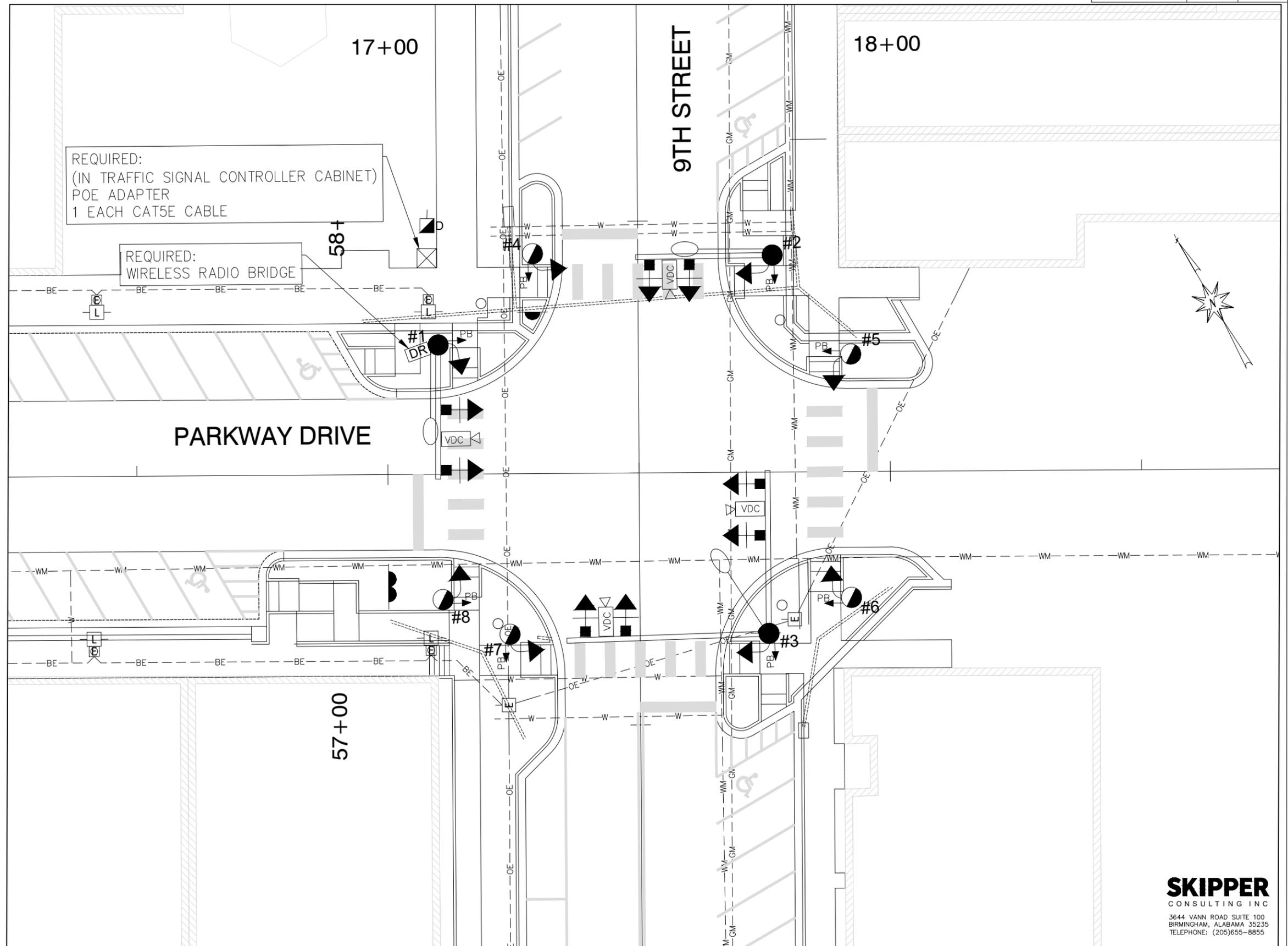
ITS LAYOUT

SR-4

ITS LAYOUT – SR-4 (US-78/PARKWAY DRIVE) AT 9TH STREET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
TAPAA-TA22(911)	2024	65

- GENERAL CONSTRUCTION NOTES:
1. BASE MAP INFORMATION PROVIDED BY GOODWYN, MILLS, AND CAWOOD.
  2. SEE SHEET NO. 62 FOR REQUIRED TRAFFIC SIGNAL EQUIPMENT



**SKIPPER**  
CONSULTING INC  
3644 VANN ROAD SUITE 100  
BIRMINGHAM, ALABAMA 35235  
TELEPHONE: (205)655-8855

RESPONSIBLE PE: RICHARD L. CAUDLE, P.E.

SUPERVISOR:

DESIGNER:

PLAN SUBMITTAL



ALABAMA DEPARTMENT OF TRANSPORTATION

10 0 10 20



SHEET TITLE

ROUTE

DATE: OCTOBER 24, 2023

DATE:

DATE:

ITS LAYOUT

SR-4

# ELECTRICAL NOTES AND ABBREVIATIONS

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
TAPAA-TA22(911)	2024	71

## GENERAL ELECTRICAL NOTES

- ALL ELECTRICAL WORK AND MATERIALS SHALL CONFORM TO THE LATEST EDITION OF THE N.E.C. AND THE REQUIREMENTS OF THE LOCAL AUTHORITY HAVING JURISDICTION.
- WIRING SYSTEMS SHALL CONSIST OF COPPER WIRING INSTALLED IN CONDUIT, MINIMUM WIRE SIZE SHALL BE #12AWG, MINIMUM CONDUIT SIZE SHALL BE 3/4".
- CONDUCTORS SHALL BE 99% COPPER (NO ALUMINUM CONDUCTORS WILL BE ACCEPTED).
- EQUIPMENT GROUNDING SHALL BE IN ACCORDANCE WITH N.E.C.
- ALL ELECTRICAL EQUIPMENT SHALL BE PROVIDED BY ELECTRICAL CONTRACTOR.
- ALL WORK SHALL BE COORDINATED WITH THE WORK OF OTHER TRADES TO AVOID INTERFERENCES AND CONFLICTS. REFER TO THE DRAWINGS OF THE RESPECTIVE SYSTEMS PRIOR TO SUBMISSION OF BIDS FOR ADDITIONAL WORK WHICH MAY BE REQUIRED AS PART OF THIS WORK. NO ALLOWANCES WILL BE MADE FOR THE LACK OF COORDINATION BETWEEN DISCIPLINES OR SYSTEMS AND EQUIPMENT.
- THE WORK SHALL BE COORDINATED WITH THE ENGINEERING DOCUMENTS FOR THE EXACT LOCATION OF LIGHT FIXTURES, EQUIPMENT, DEVICES, ETC. TO ASSURE PROPER PLACEMENT OF SAID DEVICES AND EQUIPMENT. WHERE A CONFLICT EXISTS BETWEEN ANY TWO DOCUMENTS, NOTIFY THE ENGINEER PRIOR TO ANY INSTALLATION FOR RESOLUTION.
- THE CONTRACTOR SHALL VERIFY ALL EQUIPMENT BEING INSTALLED PRIOR TO INSTALLATION TO ASSURE THAT THE FEEDER, DISCONNECT, STARTER, OVER CURRENT PROTECTION, ETC. MATCHES THE ACTUAL NAMEPLATE DATA AS SUPPLIED BY THE MANUFACTURER.
- SPECIFIC REQUIREMENTS REGARDING MATERIALS, WORKMANSHIP, AND THE WORK TO BE DONE ARE COVERED BY THE SPECIFICATIONS WHICH COMPLEMENT THE PLANS. WORK CALLED FOR BY THE SPECIFICATIONS OR THE PLANS IS REQUIRED THE SAME AS IF REQUIRED BY BOTH. WHERE A CONFLICT EXISTS BETWEEN THE PLANS AND SPECIFICATIONS, THE MORE STRINGENT REQUIREMENTS OF THE TWO SHALL APPLY.
- REFER TO EQUIPMENT CUT SHEETS AND MANUFACTURER'S DATA FOR ROUGH IN LOCATIONS OF ELECTRICAL CONNECTIONS AND INTERCONNECTIONS OF ALL EQUIPMENT.
- INSTALL OVER CURRENT PROTECTION AND BRANCH CIRCUIT WIRING PER U.L. LISTING REQUIREMENTS FOR EQUIPMENT SERVED - REFER TO NAMEPLATE DATA.
- PROVIDE START-UP ASSISTANCE TO OWNER PERSONNEL AND EQUIPMENT TECHNICIANS TO CONFIRM CORRECT PHASE ROTATION, PROPER OPERATION & SEQUENCE, AND CONTROLS.
- ELECTRICAL CONTRACTOR SHALL VERIFY THE LOCATION OF EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCEMENT OF ANY EXCAVATION.
- SUBSURFACE CONDUIT SHALL BE SCHEDULE 40PVC UNO. FOR RUNS GREATER THAN 50 FEET IN LENGTH, VERTICAL TURN UPS SHALL BE GRC SWEEP 90S WITH A BITUMASTIC COATING UNO.
- IT SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO VISIT THE SITE AND TO BECOME THOROUGHLY FAMILIAR WITH ALL EXISTING CONDITIONS PRIOR TO BID DATE AS HE SHALL BE RESPONSIBLE FOR THE SAME.
- ELECTRICAL CONTRACTOR WILL PROVIDE ALL MATERIAL TO FINALIZE A NEAT, COMPLETE, AND PROPERLY WORKING ELECTRICAL SYSTEM WHICH CONFORMS TO ALL LOCAL CODES AND THE NATIONAL ELECTRICAL CODE (N.E.C.) AND PLANS.
- CONTRACTOR SHALL REPAIR ANY DISTURBED AREA TO SAME COMPACTION, GRADE, SLOPE, ETC. AS ORIGINAL AREA INCLUDING REPLACEMENT OF SOD, GRASS, ROCK, GRAVEL, RIP-RAP, ETC. TO THE SATISFACTION OF THE OWNER AND ENGINEER.
- CLEAN UP ALL DEBRIS AROUND CONSTRUCTION SITE DAILY.
- REMOVE ANY SPILLED DIRT, CONCRETE, ETC. FROM ANY DRIVEWAYS, ROADWAYS OR CONSTRUCTION SITE AS DIRECTED BY OWNER OR ENGINEER.
- LOCATION OF REQUIRED LIGHTING POLES AND JUNCTION BOXES ARE APPROXIMATE. EXACT LOCATION TO BE FIELD DETERMINED.
- CONTRACTOR TO INSTALL 1" CONDUIT BETWEEN JUNCTION BOX AND LIGHT POLE. (SEE DETAIL 48X24 POLE FOUNDATION)
- CONTRACTOR HAS OPTION TO DIRECTIONAL BORE OR TRENCH CONDUIT THROUGH EXISTING SIDEWALKS. THE CONTRACTOR SHALL REPAIR ALL AREAS THAT HAVE BEEN DAMAGED BY PLACING CONDUIT. THE COST OF REPAIR SHALL BE SUBSIDIARY TO ITEM 7502-220.
- ALL EMPTY CONDUITS SHALL HAVE A 200LBS NYLON PULL STRING. SUBSURFACE CONDUITS TURNING UP AND TERMINATING SHALL BE CAPPED ON BOTH ENDS TO PREVENT ENTRY OF RODENTS AND OTHER FOREIGN MATTER.
- DESIGN DRAWINGS BASED ON THE USE OF A LED LIGHT SOURCE PRODUCT. IF AN HID ALTERNATIVE IS USED, THE ELECTRICAL CONTRACTOR WILL BE REQUIRED TO ADJUST DESIGN DOCUMENTS ACCORDINGLY TO INCLUDE, BUT NOT LIMITED TO, CONDUCTORS / CONDUIT SIZES.
- ANY HOLES EXCAVATED FOR THE POLE FOUNDATIONS SHALL BE COVERED IF LEFT OVERNIGHT. THIS IS A SUBSIDIARY OBLIGATION OF THE POLE FOUNDATIONS.
- IF ROCK PREVENTS THE INSTALLATION OF CONDUIT TO THE REQUIRED DEPTH, THE ENGINEER MAY ALLOW THE CONTRACTOR TO ENCASE THE CONDUIT IN CONCRETE AT A SHALLOWER DEPTH IN ACCORDANCE WITH TABLE 300.5 OF THE NATIONAL ELECTRICAL CODE, LATEST EDITION. NO ADDITIONAL PAYMENT WILL BE MADE FOR THIS WORK.
- PRIOR TO BEGINNING POLE FOUNDATION WORK, THE CONTRACTOR SHALL STAKE POLE LOCATIONS FOR REVIEW BY THE ENGINEER. THE COST OF THIS WORK SHALL BE A SUBSIDIARY OBLIGATION OF THE POLE FOUNDATIONS WHEN ITEM 680A, GEOMETRIC CONTROLS, IS NOT INCLUDED IN THE CONTRACT. THE ENGINEER, AFTER CONSULTATION WITH THE CONSTRUCTION BUREAU, MAY MAKE MINOR ADJUSTMENTS TO POLE LOCATIONS IN ORDER TO AVOID CONFLICTS WITH UTILITIES OR OTHER STRUCTURES.
- THE CONTRACTOR SHALL CONNECT EACH POLE GROUND SYSTEM IMMEDIATELY AFTER THE POLE HAS BEEN PLACED ON ITS FOUNDATION. NO METAL POLE SHALL BE LEFT UNGROUNDED AFTER IT HAS BEEN PLACED ON ITS FOUNDATION.
- ELECTRICAL CONTRACTOR SHALL COORDINATE WIRE SIZE ADJUSTMENT BASED ON ACTUAL INSTALLATION DISTANCES VS DESIGN CONCEPTS.

### POLE LOCATIONS

POLE	NORTHING	EASTING
P1	2050142.10	2810564.95
P2	2050165.72	2810520.88
P3	2050189.35	2810476.81
P4	2050212.97	2810432.75
P5	2050236.60	2810388.68
P6	2050260.22	2810344.61
P7	2050316.02	2810374.52
P8	2050292.39	2810418.59
P9	2050268.77	2810462.66
P10	2050245.14	2810506.72
P11	2050221.52	2810550.79
P12	2050197.89	2810594.86
P13	2050174.27	2810638.93
P14	2050150.65	2810682.99
P15	2050092.23	2810792.48
P16	2050068.61	2810836.55
P17	2050044.91	2810880.48
P18	2050021.36	2810924.68
P19	2049997.73	2810968.75
P20	2049974.11	2811012.82
P21	2049950.48	2811056.89
P22	2049926.86	2811100.95
P23	2049924.87	2811148.33
P24	2049968.93	2811171.96
P25	2050013	2811195.58
P26	2050061.66	2811221.67
P27	2050107.93	2811246.48
P28	2050154.2	2811271.28
P29	2050125.98	2811323.88
P30	2050079.71	2811299.08
P31	2050033.44	2811274.27
P32	2049984.46	2811248.82
P33	2049940.39	2811225.2
P34	2049896.32	2811201.58
P35	2049795.71	2811149.12
P36	2049760.46	2811130.22
P37	2049725.21	2811111.31
P38	2049649.38	2811069.34
P39	2049609.72	2811048.08
P40	2049570.01	2811026.71
P41	2049598.55	2810973.67
P42	2049638.21	2810994.94
P43	2049677.87	2811016.2
P44	2049753.98	2811057.64
P45	2049789.23	2811076.55
P46	2049824.49	2811095.45
P47	2049886.41	2811041.03
P48	2049910.26	2810996.96
P49	2049933.88	2810952.89
P50	2049957.33	2810909.07
P51	2049981.13	2810864.76
P52	2050004.75	2810820.69
P53	2050028.38	2810776.62
P54	2050083.42	2810689.64
P55	2050107.04	2810625.58

### ELECTRICAL ABBREVIATIONS

A, AMP	AMPERE
ACSR	ALUMINUM CONDUCTOR STEEL-REINFORCED
AF	AMPS FRAME
AFF	ABOVE FINISHED FLOOR
AIC	AMPS INTERRUPTING CAPACITY (SYM RMS)
AT	AMPS TRIP
AWG	AMERICAN WIRE GAUGE
(#)C	FIXTURE DESIGNATION (#) INDICATES # OF FIXTURES TOTAL
C	CONDUIT
CKT	CIRCUIT
CU	COPPER
DETD	DUAL ELEMENT TIME DELAY
EC	EMPTY CONDUIT
ELEC	ELECTRIC OR ELECTRICAL
EPR	ETHYLENE-PROPYLENE RUBBER INSULATION
ER	EXISTING ITEM TO BE REMOVED
EX	EXISTING TO REMAIN
EXIST	EXISTING
FACP	FIRE ALARM CONTROL PANEL
GFI	GROUND FAULT INTERRUPTER
G	GROUND
GFE	GOVERNMENT FURNISHED EQUIPMENT
GRS	GALVANIZED RIGID STEEL
HD	HAND DRYER
HP	HORSEPOWER
KV	KILOVOLT
KVA	KILOVOLT AMPERES
KW	KILOWATT
LF	LINEAR FOOT
MIN	MINIMUM
N12	NEMA 12 RATED FOR DUST ENCLOSURE
N3R	NEMA 3R RATED FOR EXTERIOR USE
NIC	NOT IN THIS CONTRACT
NL	NIGHT LIGHT
NEC	NATIONAL ELECTRIC CODE
PNL	PANEL
P	POLE
PH	PHASE
PSI	POUNDS PER SQUARE INCH
PVC	POLYVINYL CHLORIDE
RECPT	RECEPTACLE
REQD	REQUIRED
RL	EXISTING ITEM TO BE RELOCATED
RU	RACK UNIT
SPD	SURGE PROTECTIVE DEVICE
SPEC	SPECIFICATIONS
ST	SHUNT TRIP
SWBD	SWITCHBOARD
TEL	TELEPHONE
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION
TYP	TYPICAL
UG	UNDERGROUND
UNO	UNLESS NOTED OTHERWISE
V	VOLT
VA	VOLT AMPERE
W	WATT
WP	WEATHERPROOF
UNO	UNLESS NOTED OTHERWISE
XFMR	TRANSFORMER
#	NUMBER

### BRANCH CIRCUIT LEGEND

	CONDUIT OR RACEWAY UNDERGROUND.
	PHASE CONDUCTOR, NEUTRAL CONDUCTOR AND ISOLATED GROUND CONDUCTOR.
	UNDERGROUND HOMERUN. ARROW INDICATES NUMBER OF CIRCUITS. TICKS INDICATES NUMBER OF CONDUCTORS NO TICKS INDICATES 1 PHASE, 1 NEUTRAL, 1 GROUND CONDUCTOR.
	DIRECTIONAL BORE WITH HDPE ENCASMENT PIPE. SIZE BASED ON LOCATION AND # OF CONDUITS.

### ELECTRICAL LEGEND

SYMBOL	QUANTITY	DESCRIPTION
	59	POLE MOUNTED GFCI WEATHERPROOF RECEPTACLE. MOUNT 36" ABOVE FINISHED GRADE. SEE DETAIL 3/72.
	59	POLE MOUNTED GFCI WEATHERPROOF RECEPTACLE. MOUNTED ON TOP OF POLE PER POLE MANUFACTURER SPECIFICATION. SEE DETAIL 3/72.
	2	NEW LIGHTING CONTROL CABINET CONTAINING ELECTRICAL DISTRIBUTION PANEL & LIGHTING RELAY CONTROL PANEL.
	59	POLE MOUNTED LIGHT FIXTURE. LETTER "X" INDICATES FIXTURE TYPE, SEE LUMINAIRE SCHEDULE.
	4500 LF	2" CONDUIT PVC WITH #8 AWG

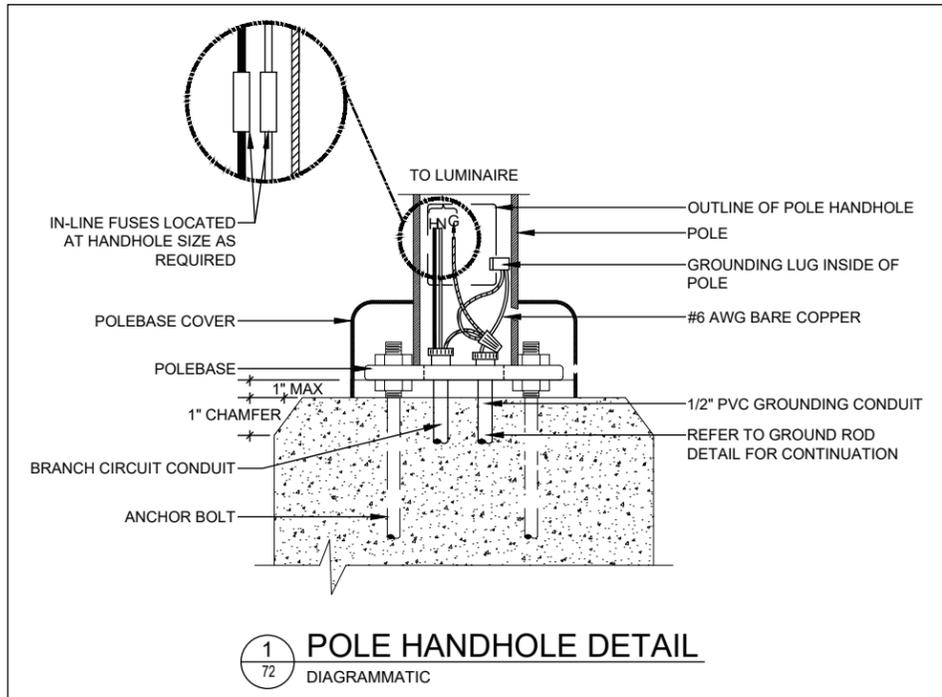
### VOLTAGE DROP SCHEDULE

120 VOLT BRANCH CIRCUITS UP TO 8 AMPS			
RUN DISTANCE IN FEET	WIRE SIZE AWG		
1'	-	120'	#12
121'	-	190'	#10
191'	-	300'	#8
301'	-	470'	#6
120 VOLT BRANCH CIRCUITS 9 AMPS TO 14 AMPS			
RUN DISTANCE IN FEET	WIRE SIZE AWG		
1'	-	65'	#12
66'	-	110'	#10
111'	-	170'	#8
171'	-	270'	#6
240 VOLT BRANCH CIRCUITS UP TO 8 AMPS			
RUN DISTANCE IN FEET	WIRE SIZE AWG		
1'	-	225'	#12
226'	-	355'	#10
356'	-	575'	#8
576'	-	915'	#6

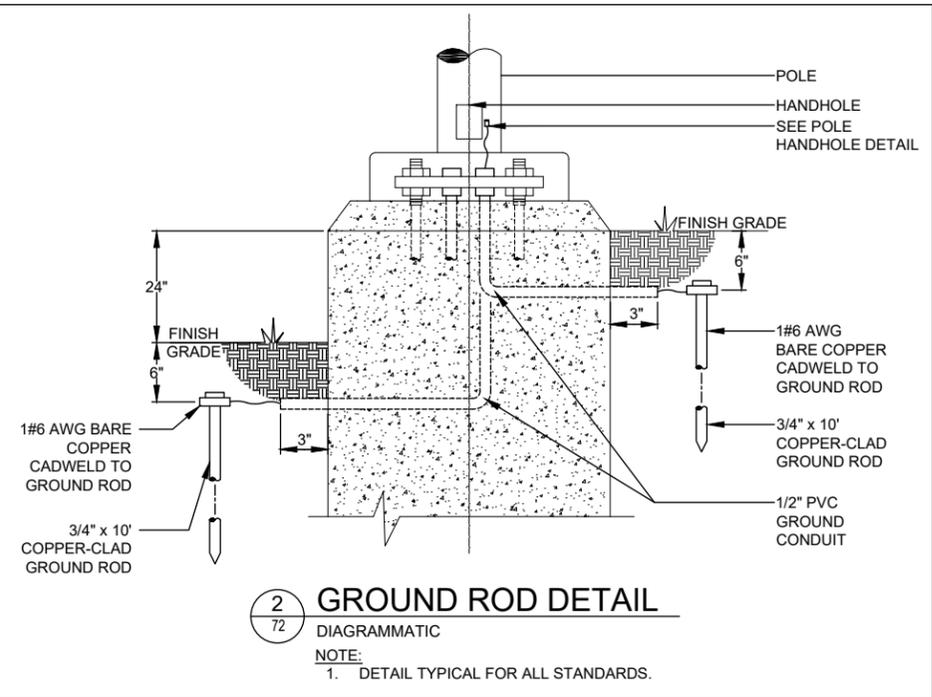
THIS SCHEDULE DICTATES THE MINIMUM WIRE SIZE FOR ANY HOMERUN OR BRANCH CIRCUIT SHOWN FOR THIS DRAWING SET. CONTRACTOR SHALL UPSIZE WIRES BASED ON LOAD AND LENGTH OF RUN AS INDICATED IN SCHEDULE ABOVE.

# ELECTRICAL DETAILS AND RISERS

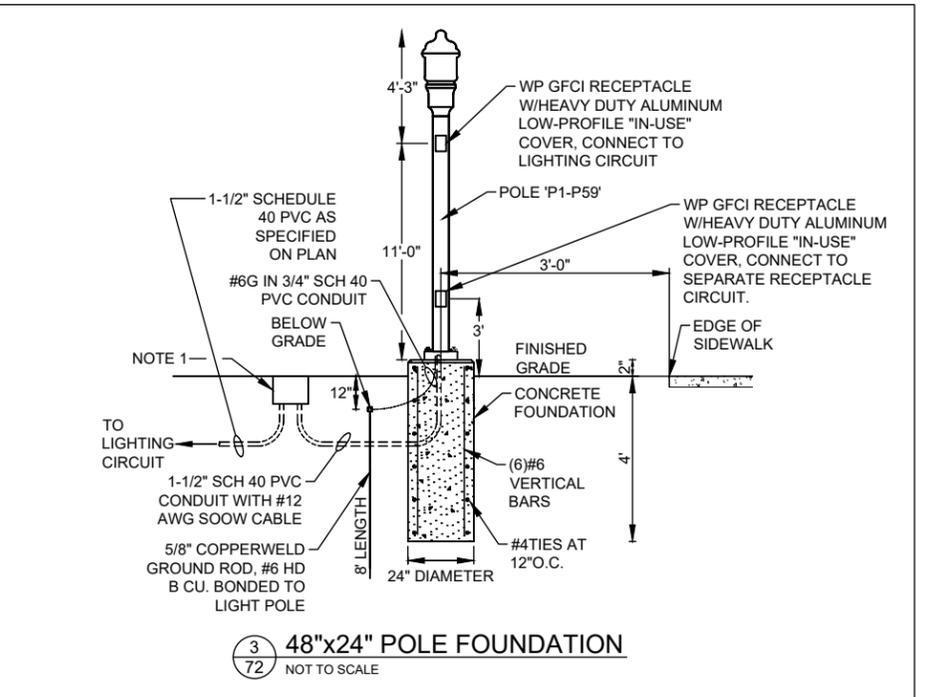
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
TAPAA-TA22(911)	2024	72



**1 POLE HANDHOLE DETAIL**  
72 DIAGRAMMATIC

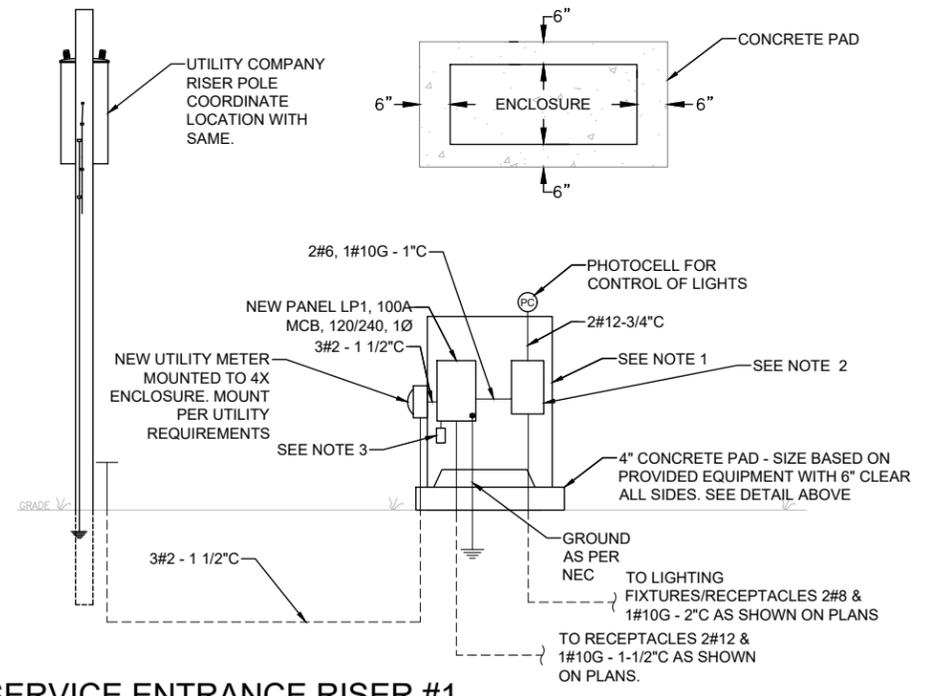


**2 GROUND ROD DETAIL**  
72 DIAGRAMMATIC  
NOTE:  
1. DETAIL TYPICAL FOR ALL STANDARDS.



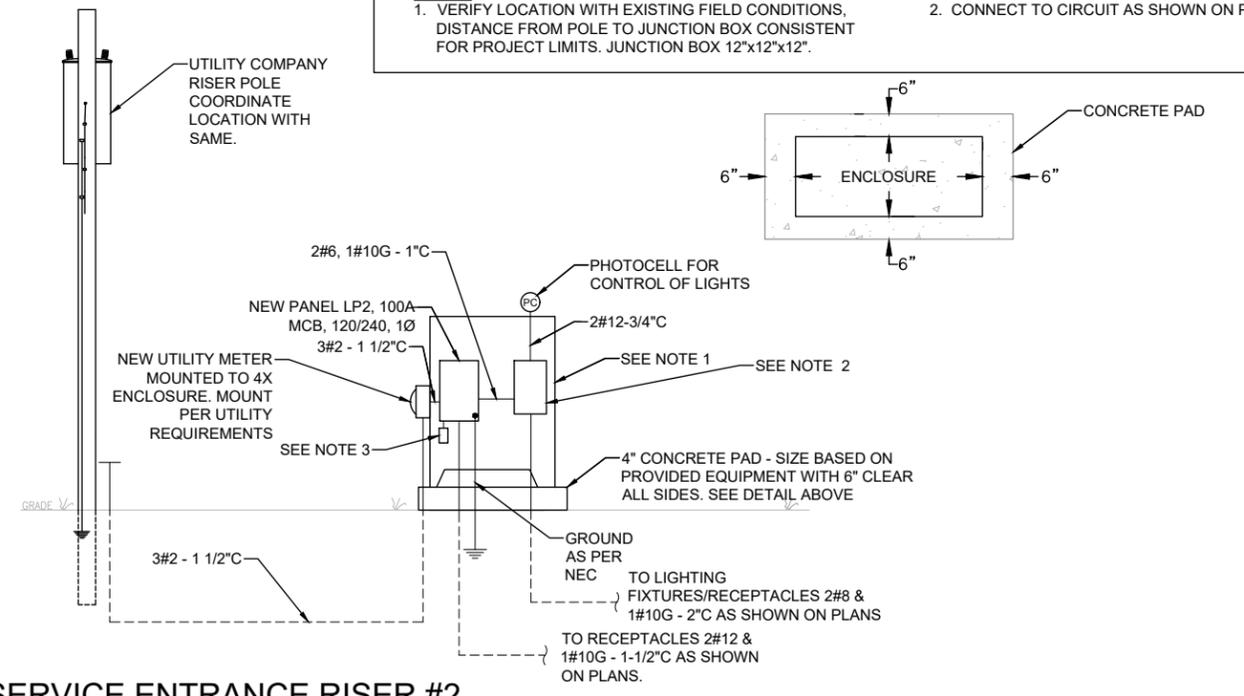
**3 48"x24" POLE FOUNDATION**  
72 NOT TO SCALE

NOTES:  
1. VERIFY LOCATION WITH EXISTING FIELD CONDITIONS. DISTANCE FROM POLE TO JUNCTION BOX CONSISTENT FOR PROJECT LIMITS. JUNCTION BOX 12"x12"x12".  
2. CONNECT TO CIRCUIT AS SHOWN ON PLANS.



**4 SERVICE ENTRANCE RISER #1**  
72 DIAGRAMMATIC

NOTES:  
1. PROVIDE NEMA 4X STAINLESS STEEL ENCLOSURE WITH FLOOR STAND KIT, SIZE AS REQUIRED TO ACHIEVE DESIGN INTENT SHOWN. PRODUCT TO BE HOFFMAN OR EQUIVALENT. ENCLOSURE INSTALLED ON 4" CONCRETE PAD.  
2. RELAY CONTROL PANEL 'RLP1'  
3. GFCI DUPLEX RECEPTACLE WITH SURFACE OUTLET BOX ATTACHED TO PANELBOARD WITH 3/4" CHASE NIPPLE. CONNECT WITH 2#12, 1#12G BRANCH CIRCUIT.



**5 SERVICE ENTRANCE RISER #2**  
72 DIAGRAMMATIC

NOTES:  
1. PROVIDE NEMA 4X STAINLESS STEEL ENCLOSURE WITH FLOOR STAND KIT, SIZE AS REQUIRED TO ACHIEVE DESIGN INTENT SHOWN. PRODUCT TO BE HOFFMAN OR EQUIVALENT. ENCLOSURE INSTALLED ON 4" CONCRETE PAD.  
2. RELAY CONTROL PANEL 'RLP2'.  
3. GFCI DUPLEX RECEPTACLE WITH SURFACE OUTLET BOX ATTACHED TO PANELBOARD WITH 3/4" CHASE NIPPLE. CONNECT WITH 2#12, 1#12G BRANCH CIRCUIT.

# ELECTRICAL SCHEDULES

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
TAPAA-TA22(911)	2024	73

## PANELBOARD 'LP1' SCHEDULE

LOCATION 9TH & PARKWAY		MAIN: 100 A MCB				SERVICE ENTRANCE RATED					
VOLTAGE 120/240		SYSTEM: 1 $\phi$ , 3 WIRE				ALL 20A BREAKERS ARE 100% RATED					
TRIM SURFACE		INTERRUPTING RATING: 10K AIC									
CKT #	LOAD DESCRIPTION	BREAKER		PHASE (KW)		PHASE (KW)		BREAKER		LOAD DESCRIPTION	CKT #
		P	TRIP	A	B	A	B	TRIP	P		
1	LIGHTING/RECEPT	1	20	1.2		1.80		20	1	LIGHTING/RECEPT	2
3	RECEPTACLES	1	20		0.4		0.60	20	1	RECEPTACLES	4
5	RECEPTACLES	1	20	0.4		0.60		20	1	RECEPTACLES	6
7	LIGHTING/RECEPT	1	20		1.5		1.80	20	1	LIGHTING/RECEPT	8
9	RECEPTACLES	1	20	0.6		0.60		20	1	RECEPTACLES	10
11	RECEPTACLES	1	20		0.6		0.60	20	1	RECEPTACLES	12
13	LIGHTING/RECEPT	1	20	1.5				20	1	SPARE	14
15	RECEPTACLES	1	20		0.6			20	1	SPARE	16
17	RECEPTACLES	1	20	0.6				20	1	SPARE	18
19	BUSSED SPACE									BUSSED SPACE	20
21	BUSSED SPACE									BUSSED SPACE	22
23	PANEL 'LP1' RECEPTACLE	1	20		0.2					BUSSED SPACE	24
				4.3	3.3	3.0	3.0				
TOTAL (kW) $\phi$ A		7.3		$\phi$ B		6.3		HIGH PHASE (AMPS)		60.8	
TOTAL CONNECTED LOAD (kW)		13.6		TOTAL LOAD (AMPS)		56.7					

## PANELBOARD 'LP2' SCHEDULE

LOCATION 9TH & PARKWAY		MAIN: 100 A MCB				SERVICE ENTRANCE RATED					
VOLTAGE 120/240		SYSTEM: 1 $\phi$ , 3 WIRE				ALL 20A BREAKERS ARE 100% RATED					
TRIM SURFACE		INTERRUPTING RATING: 10K AIC									
CKT #	LOAD DESCRIPTION	BREAKER		PHASE (KW)		PHASE (KW)		BREAKER		LOAD DESCRIPTION	CKT #
		P	TRIP	A	B	A	B	TRIP	P		
1	LIGHTING/RECEPT	1	20	1.5		1.80		20	1	LIGHTING/RECEPT	2
3	RECEPTACLES	1	20		0.4		0.60	20	1	RECEPTACLES	4
5	RECEPTACLES	1	20	0.6		0.60		20	1	RECEPTACLES	6
7	LIGHTING/RECEPT	1	20		1.5		1.80	20	1	LIGHTING/RECEPT	8
9	RECEPTACLES	1	20	0.4		0.60		20	1	RECEPTACLES	10
11	RECEPTACLES	1	20		0.6		0.60	20	1	RECEPTACLES	12
13	LIGHTING/RECEPT	1	20	1.5				20	1	SPARE	14
15	RECEPTACLES	1	20		0.4			20	1	SPARE	16
17	RECEPTACLES	1	20	0.6				20	1	SPARE	18
19	BUSSED SPACE									BUSSED SPACE	20
21	BUSSED SPACE									BUSSED SPACE	22
23	PANEL 'LP2' RECEPTACLE	1	20		0.2					BUSSED SPACE	24
				4.6	3.1	3.0	3.0				
TOTAL (kW) $\phi$ A		7.6		$\phi$ B		6.1		HIGH PHASE (AMPS)		63.3	
TOTAL CONNECTED LOAD (kW)		13.7		TOTAL LOAD (AMPS)		57.1					

FIXTURE MARK	NO	LAMPS		VOLTAGE	MAKE	MOUNTING TYPE	MODEL	DESCRIPTION
		WATTS	LUMENS					
OA	59	52	6197	UNV	SENTRY ELECTRIC	POLE	SMAL-NB-(2)LEDV18C-0.7A-840-STLG2T4-TLR-BK SAL-RC-5P-12'-BK-BARM-2-18-BK	LED POST TOP FIXTURE. POLE EQUIPPED WITH BANNER ARMS. VERIFY COLOR WITH OWNER/ARCHITECT.

LUMINAIRE SCHEDULE NOTES:

- EQUIVALENT PRODUCTS WILL BE REVIEWED, PEMCO, STERNCO, OR OTHERS.
- IN ORDER TO ENSURE PROPER COORDINATION AND LONG TERM SUPPORT FOR THE OWNER, ALL LIGHTING FIXTURES WILL BE PURCHASED THROUGH A MANUFACTURER'S REPRESENTATIVE AND DISTRIBUTORS LOCATED WITHIN ONE HUNDRED AND FIFTY (150) MILES OF THE PROJECT SITE. SUBMITTALS RECEIVED THAT DO NOT COMPLY WITH THIS WITH THIS REQUIREMENT WILL BE REJECTED WITHOUT REVIEW. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY DELAYS CAUSED BY NON-COMPLIANCE WITH THIS REQUIREMENT.

RELAY PANEL CONTROL SCHEDULE - PANEL 'RLP1'								
ROOM: BACKBOARD - PANEL MUST BE NEMA 3R				CONTROL				
RELAY	VOLT.	CIRCUIT	DESCRIPTION	SW INPUTS	TIMER	NOTE	BUTTON	SW TYPE
RLP1-1	120	LP1-1	SITE LIGHTING/RECEPTACLE			1		
RLP1-2	120	LP1-7	SITE LIGHTING/RECEPTACLE			1		
RLP1-3	120	LP1-13	SITE LIGHTING/RECEPTACLE			1		
RLP1-4	120	LP1-2	SITE LIGHTING/RECEPTACLE			1		
RLP1-5	120	LP1-8	SITE LIGHTING/RECEPTACLE			1		
RLP1-6	120		SPARE			1		
RLP1-7	120		SPACE					
RLP1-8	120		SPACE					

NOTES:

- TIMED ON-OFF. VIA PHOTO - CELL @ CABINET
- 

NOTES:

SYSTEM WILL BE PROVIDED AS A COMPLETE OPERATING SYSTEM, AS PER DESIGN INTENT AND MANUFACTURER'S SHOP DRAWING. MANUFACTURER'S SHOP DRAWINGS MUST BE SUBMITTED AND APPROVED PRIOR TO BEGINNING ROUGH-IN.

RELAY PANEL CONTROL SCHEDULE - PANEL 'RLP2'								
ROOM: BACKBOARD - PANEL MUST BE NEMA 3R				CONTROL				
RELAY	VOLT.	CIRCUIT	DESCRIPTION	SW INPUTS	TIMER	NOTE	BUTTON	SW TYPE
RLP2-1	120	LP2-1	SITE LIGHTING/RECEPTACLE			1		
RLP2-2	120	LP2-7	SITE LIGHTING/RECEPTACLE			1		
RLP2-3	120	LP2-13	SITE LIGHTING/RECEPTACLE			1		
RLP2-4	120	LP2-2	SITE LIGHTING/RECEPTACLE			1		
RLP2-5	120	LP2-8	SITE LIGHTING/RECEPTACLE			1		
RLP2-6	120		SPARE			1		
RLP2-7	120		SPACE					
RLP2-8	120		SPACE					

NOTES:

- TIMED ON-OFF. VIA PHOTO - CELL @ CABINET
- 

NOTES:

SYSTEM WILL BE PROVIDED AS A COMPLETE OPERATING SYSTEM, AS PER DESIGN INTENT AND MANUFACTURER'S SHOP DRAWING. MANUFACTURER'S SHOP DRAWINGS MUST BE SUBMITTED AND APPROVED PRIOR TO BEGINNING ROUGH-IN.



REVISIONS:

PLAN SUBMITTAL

PLANS PREPARED BY:

GOODWYN MILLS CAWOOD, LLC

HORZ 0 20 40 SCALE (FEET)

SHEET TITLE

ELECTRICAL DETAILS & SCHEDULES

ROUTE

SR-4

# E1.01 - SITE LIGHTING PLAN

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
TAPAA-TA22(911)	2024	74

GENERAL NOTES:  
 1. DEMOLITION OF EXISTING LIGHTING POLES TO BE PERFORMED BY UTILITY COMPANY.

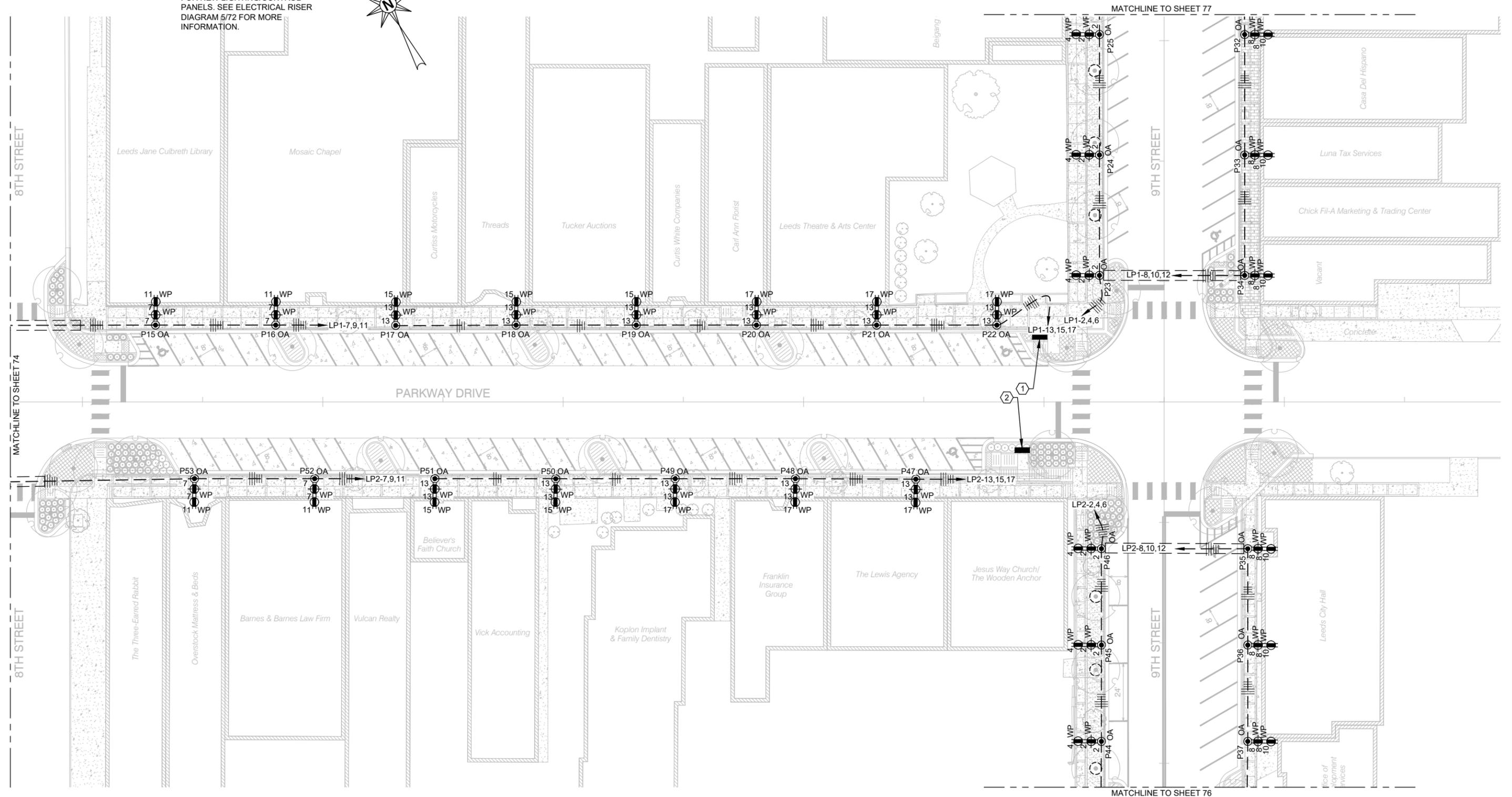


# LIGHTING PLAN

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
TAPAA-TA22(911)	2024	75

**GENERAL NOTES:**  
 1. DEMOLITION OF EXISTING LIGHTING POLES TO BE PERFORMED BY UTILITY COMPANY.

**KEYED NOTES (#):**  
 1. LOCATION OF CONCRETE PAD FOR NEW LIGHTING/CONTROL PANELS. SEE ELECTRICAL RISER DIAGRAM 4/72 FOR MORE INFORMATION.  
 2. LOCATION OF CONCRETE PAD FOR NEW LIGHTING/CONTROL PANELS. SEE ELECTRICAL RISER DIAGRAM 5/72 FOR MORE INFORMATION.



REVISIONS:

PLAN SUBMITTAL  
 PLANS PREPARED BY:  
 GOODWYN MILLS CAWOOD, LLC



SHEET TITLE  
 LIGHTING PLAN

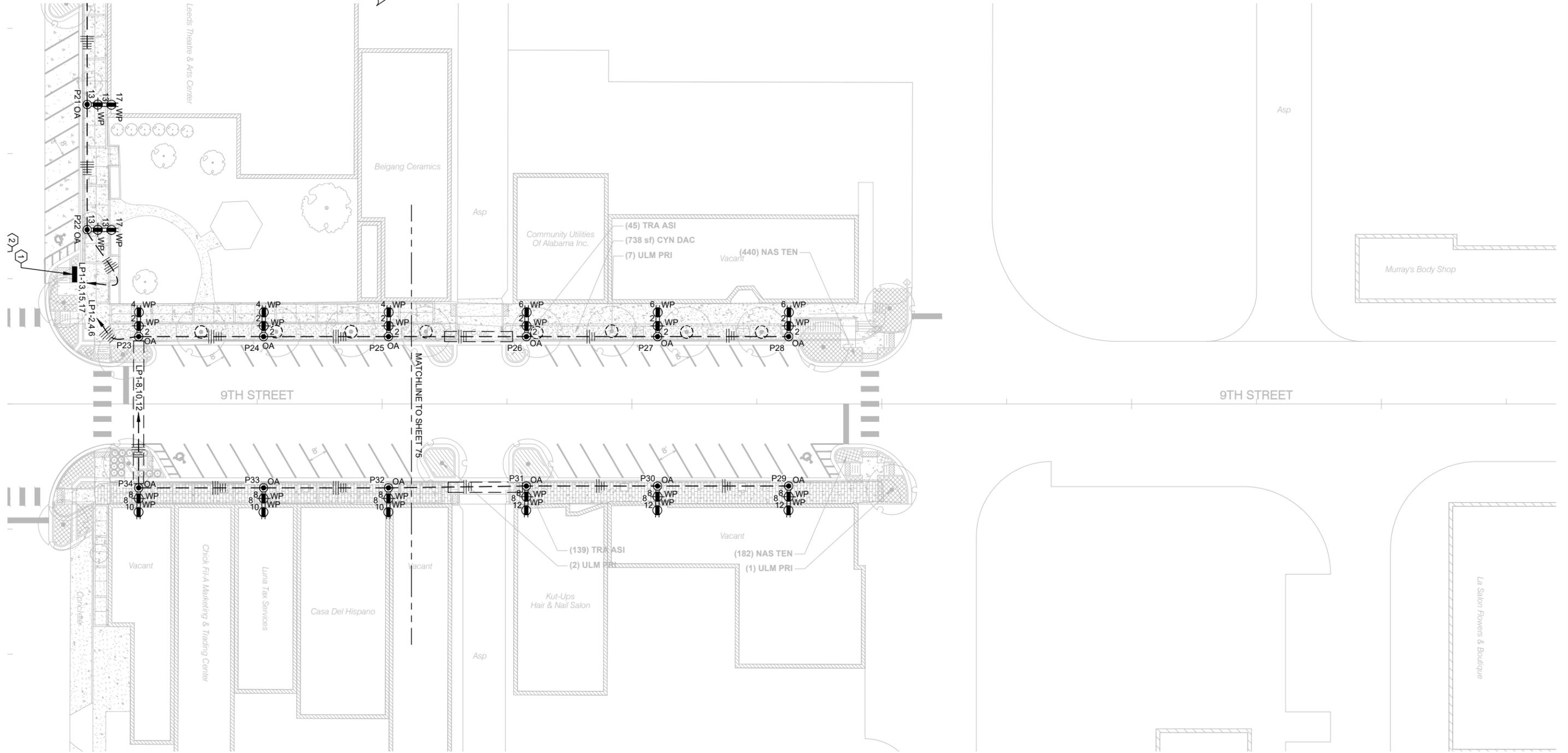
ROUTE  
 SR-4



# LIGHTING PLAN

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
TAPAA-TA22(911)	2024	77

GENERAL NOTES:  
 1. DEMOLITION OF EXISTING LIGHTING POLES TO BE PERFORMED BY UTILITY COMPANY.



REVISIONS:

PLAN SUBMITTAL

PLANS PREPARED BY:

GOODWYN MILLS CAWOOD, LLC



SHEET TITLE

LIGHTING PLAN

ROUTE

SR-4