

2023 OVERLAY PHASE 1

LACEY CONTRACT # PW 2023-28
SECTION 27, T18N, R1W, W.M. SECTION 33, T18N, R1W, W.M.
SECTION 34, T18N, R1W, W.M. SECTION 03, T17N, R1W, W.M.
SECTION 04, T17N, R1W, W.M.

LACEY CITY OFFICIALS

MAYOR: Andy Ryder
DEPUTY MAYOR: Malcolm Miller
CITY COUNCIL: Lenny Greenstein
Michael Steadman
Carolyn Cox
Ed Kunkel
Robin Vazquez
CITY MANAGER: Rick Walk (Interim)
CITY ATTORNEY: David S. Schneider
CITY ENGINEER: Aubrey Collier, P.E., S.E.
DIRECTOR OF PUBLIC WORKS: Scott Egger, P.E.

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Andy Collier City Eng. 5/15/23
for Public Works Director DATE

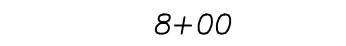
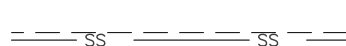
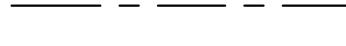

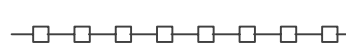
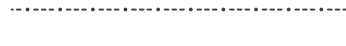


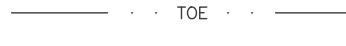



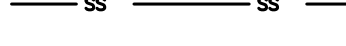



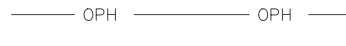






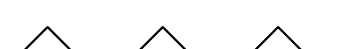


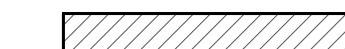





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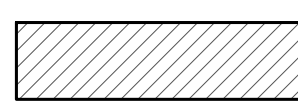


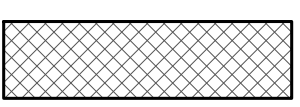
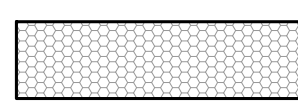
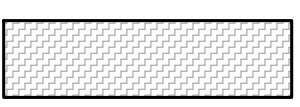
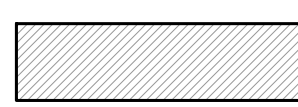
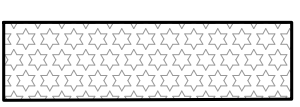
BLOCK LEGEND:

SURVEY MONUMENT	
CATCH BASIN TYPE 1	
STORM MANHOLE & CB TYPE 2	
FIRE HYDRANT	
AIR & VACUUM RELEASE VALVE	
WATER METER	
WATER VALVE	
REDUCER	
SPRINKLER HEAD	
SEWER MANHOLE	
SANITARY SEWER CLEAN OUT	
GAS VALVE	
SIGN	
POLE ANCHOR	
POWER TRANSFORMER	
POWER POLE	
POWER VAULT	
TRAFFIC LOOP	
TRAFFIC SIGNAL	
STANDARD TRAFFIC SIGNAL CONTROLLER	
STREET LIGHT	
JUNCTION BOX	
ELECTRICAL SERVICE	
CABLE TV PEDESTAL	
TELEPHONE MANHOLE	
TELEPHONE PEDESTAL	
TREE GRATE	
CONIFER TREE	
DECIDUOUS TREE	
COMMERCIAL SIGN	

LINETYPE LEGEND:

	CONSTRUCTION BASELINE
	EASEMENT
	ROAD CENTERLINE
	BARB WIRE FENCE
	CHAIN LINK FENCE
	CONCRETE FENCE
	ROCK FENCE
	WIRE FENCE
	WOOD FENCE
	GRAVEL
	TOE OF SLOPE
	TOP OF SLOPE
	DITCH
	STORM (PAINTED)
	SEWER (PAINTED)
	NEW SEWER
	RIGHT OF WAY
	OVERHEAD CABLE
	UNDERGROUND CABLE (PAINTED)
	GAS (PAINTED)
	OVERHEAD PHONE
	OVERHEAD FIBER OPTIC
	UNDERGROUND PHONE (PAINTED)
	UNDERGROUND FIBER OPTIC (PAINTED)
	OVERHEAD ELECTRIC
	UNDERGROUND ELECTRIC (PAINTED)
	WATER (PAINTED)
	NEW WATER
	RECLAIMED WATER (PAINTED)
	ABANDON EXISTING UTILITY (SEE PLAN)

CONSTRUCTION HATCH TYPES:

	TRENCH RESTORATION HMA FOR PAVEMENT REPAIR CL. 1/2" PG 58H-22 (TYP)		ASPHALT WEDGE CURB
	8" ROADWAY EX. W/ 6" FIBER REINFORCED HMA 2" CSTC		COMMERCIAL HMA FOR DRIVEWAYS AND PATHS
	6" ROADWAY EX. W/ 4" FIBER REINFORCED HMA 2" CSTC		AREA OF ROADWAY WIDENING
	5" ROADWAY EX. W/ 3" FIBER REINFORCED HMA 2" CSTC		7" ROADWAY EX. W/ 3" FIBER REINFORCED HMA 2" CSTC & 2" CSBC

ABBREVIATIONS:

Δ	DEFLECTION ANGLE	S/W	SIDEWALK	V.P.C.	VERTICAL POINT OF CURVATURE
EP	EDGE OF PAVEMENT	C.S.B.C.	CRUSHED SURFACING BASE COURSE	V.P.T.	VERTICAL POINT OF TANGENCY
RT	RIGHT	C.S.T.C.	CRUSHED SURFACING TOP COURSE	EL.	ELEVATION
LT	LEFT	CL, \mathcal{C}	CENTERLINE	S.Y.	SQUARE YARD
I.E.	INVERT ELEVATION	CB	CATCH BASIN	C.Y.	CUBIC YARD
P.C.	POINT OF CURVATURE	N/A	NOT APPLICABLE	TYP.	TYPICAL
P.I.	POINT OF INTERSECTION	A/C	ASPHALT CONCRETE	LUM.	LUMINAIRE
P.T.	POINT OF TANGENCY	ACP	ASPHALT CONCRETE PAVEMENT	L.F.	LINEAR FEET
R.	RADIUS	D.I.	DUCTILE IRON	RD.	ROAD
R.P.	RADIUS POINT	SD	STORM DRAIN	DR.	DRIVE
R/W	RIGHT-OF-WAY	SS	SANITARY SEWER	PKWY.	PARKWAY
ROW	RIGHT-OF-WAY	RPBA	REDUCED PRESSURE BACKFLOW ASSEMBLY	CONST.	CONSTRUCTION
EX.	EXISTING	DIA, \emptyset	DIAMETER	FT.	FOOT
EXIST.	EXISTING	A.P.	ANGLE POINT	D/W	DRIVEWAY
STA	STATION	V.P.I.	VERTICAL POINT OF INTERSECTION	APPROX.	APPROXIMATELY
				U.O.N.	UNLESS OTHERWISE NOTED

CONSTRUCTION NOTES:

- CALL 48 HOURS BEFORE YOU DIG 1-800-424-5555 OR 811.
- THE CONTRACTOR SHALL FIELD VERIFY UTILITY LOCATIONS PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL NOT REMOVE ANY TREES UNLESS INDICATED ON PLANS OR DIRECTED BY ENGINEER.
- THE CONTRACTOR SHALL MATCH OVERLAY TO EXISTING PAVEMENT AND DRIVEWAYS AS DIRECTED BY THE ENGINEER.
- GRINDING LIMITS AND PAVEMENT REPAIR LIMITS SHALL BE IDENTIFIED BY THE ENGINEER IN THE FIELD AND MAY VARY FROM THOSE SHOWN ON THE PLANS.
- THE CONTRACTOR SHALL RESTORE ALL LANDSCAPING TO EQUAL OR BETTER THAN ORIGINAL CONDITIONS AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL PROTECT ALL EXISTING SURVEY MONUMENTS AND PROPERTY CORNERS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH RESTORING MONUMENTS OR PROPERTY CORNERS OUTSIDE OF THE CONSTRUCTION LIMITS.

BASIS OF BEARING

MERIDIAN IS WASHINGTON COORDINATE SYSTEM OF 1983/91 - SOUTH ZONE DERIVED FROM TIES TO HPGN STATIONS SANDERSON, MCKENNA AND CBL1110 AND TO WSDOT GPS STATIONS G259R, GP34005-2, GP34005-4, GP34101-32, GP34101-39, HC34-2, LUHR RM2, TS34-33, TS34-59 AND TO THURSTON COUNTY GPS STATIONS U-531, AT-194, AT-352, AT-355, AT-447, AT449 AND AT-475. DISTANCES SHOWN ARE GROUND SCALE U.S. SURVEY FEET. COMBINED SCALE FACTOR (GROUND TO GRID) IS 0.999935701. SURVEY AF# 3111152 DATED 09-24-1997.

METHOD OF SURVEY

SURVEY PERFORMED BY CONVENTIONAL FIELD TRAVERSE USING A LEICA TS-16 (THREE SECOND TOTAL STATION), LINEAR AND ANGULAR CLOSURE OF THE TRAVERSE MEET THE STANDARDS OF WAC 332-130-090.

BOUNDARY

THE BOUNDARY WAS COMPILED USING PHYSICAL FEATURES TIED IN THE FIELD AND DOCUMENTS OF RECORD AS SHOWN BELOW.

SURVEYS REFERENCED
AF# 3111152

BLA REFERENCED
AF# 3151269

PLATS REFERENCED
AF# 8504260014, 8712300163, 9009140243, 735307_669686, 871080, 3703250, 3705770, 3776150, 3671449

DEEDS REFERENCED
AF# 3769304

CONDO REFERENCED
AF# 3029574

LARGE LOT SUB REFERENCED
AF#8706290210

SOURCE OF UTILITY MARKINGS

SURFACE MARKINGS PROVIDED BY UTILITY NOTIFICATION CENTER (callbeforeyoudig.org) NO LOCATES PROVIDED FOR THIS PROJECT

VERTICAL

THE CITY OF LACEY BENCHMARKS ARE BASED ON NGVD 29 DATUM FROM PRIMARY CONTROL ESTABLISHED BY FEDERAL AND STATE AGENCIES TO FIRST OR SECOND ORDER ACCURACY. THE CITY OF LACEY'S BENCHMARKS ARE GENERALLY TO THIRD ORDER ACCURACY.

BENCHMARK

CITY OF LACEY BM#796
NORTH BASE BOLT ON LUMINAIRE IN THE SW CORNER OF INTERSECTION OF CARPENTER RD SE & CARPENTER HILLS LOOP SE
ELEV.=204.12

CITY OF LACEY BM#832
2-1/2" DISK IN WALK @ NW CORNER OF INTERSECTION RUDELL RD SE & 56TH AVE SE
ELEV.=202.77

CITY OF LACEY BM#1445
3-1/2" THCO SURF MON IN SPLITTER ISLAND ON WEST SIDE OF RAINIER RD SE & 67TH AVE SE
ELEV.=205.27

CITY OF LACEY BM#1491
3" COL SURF MON @ INTERSECTION OF 34TH AVE SE & IDA JANE WAY SE
ELEV.=182.13

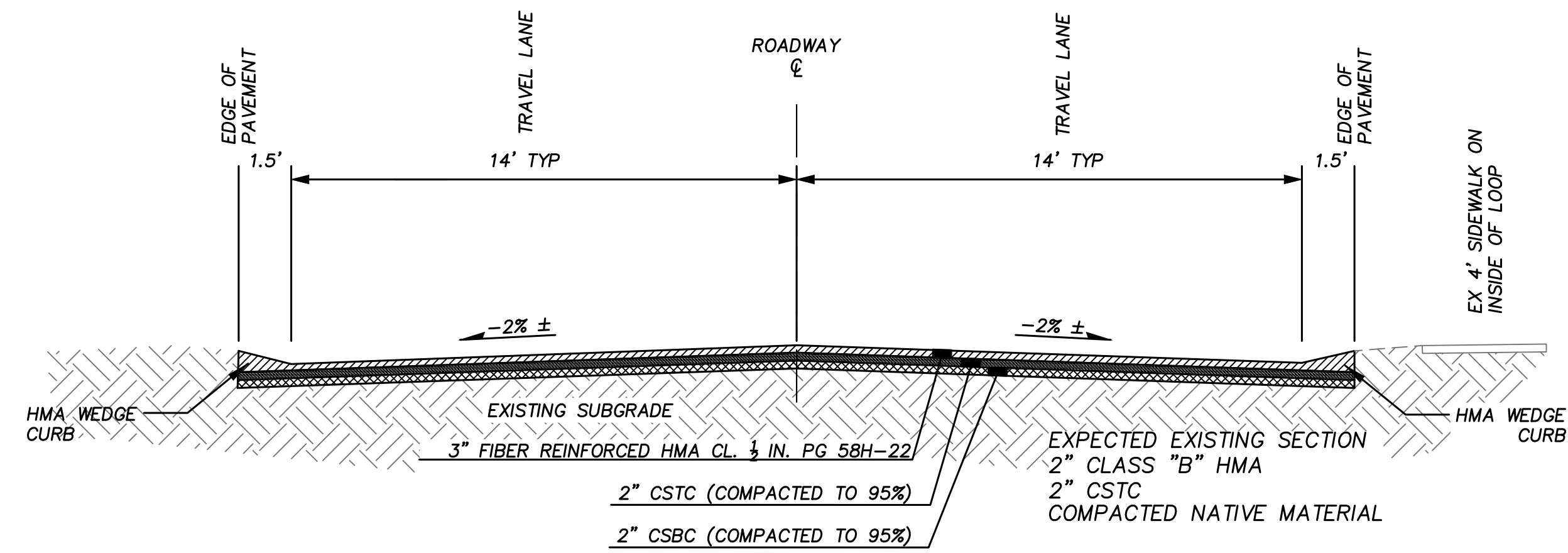
CITY OF LACEY, WASHINGTON
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420 COLLEGE STREET SE
LACEY, WA 98503-1238 (360) 491-5600



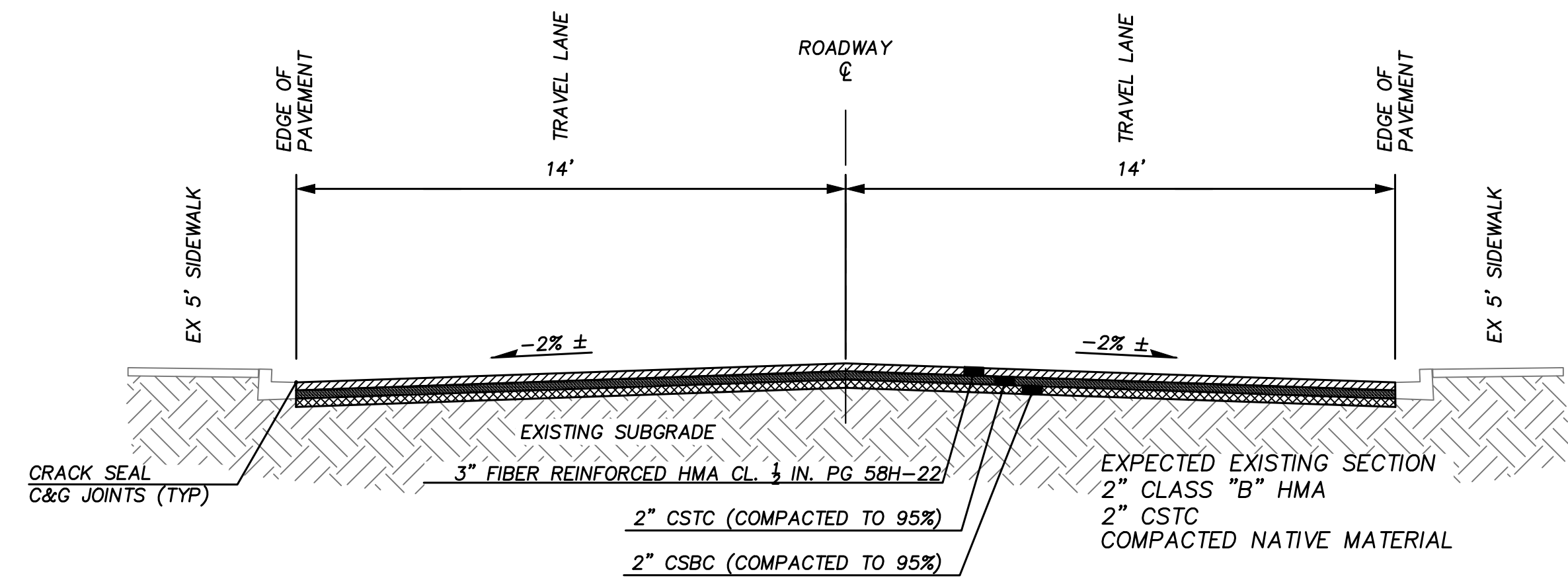
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2023 OVERLAY PHASE 1
GENERAL NOTES, LEGENDS & ABBREVIATIONS

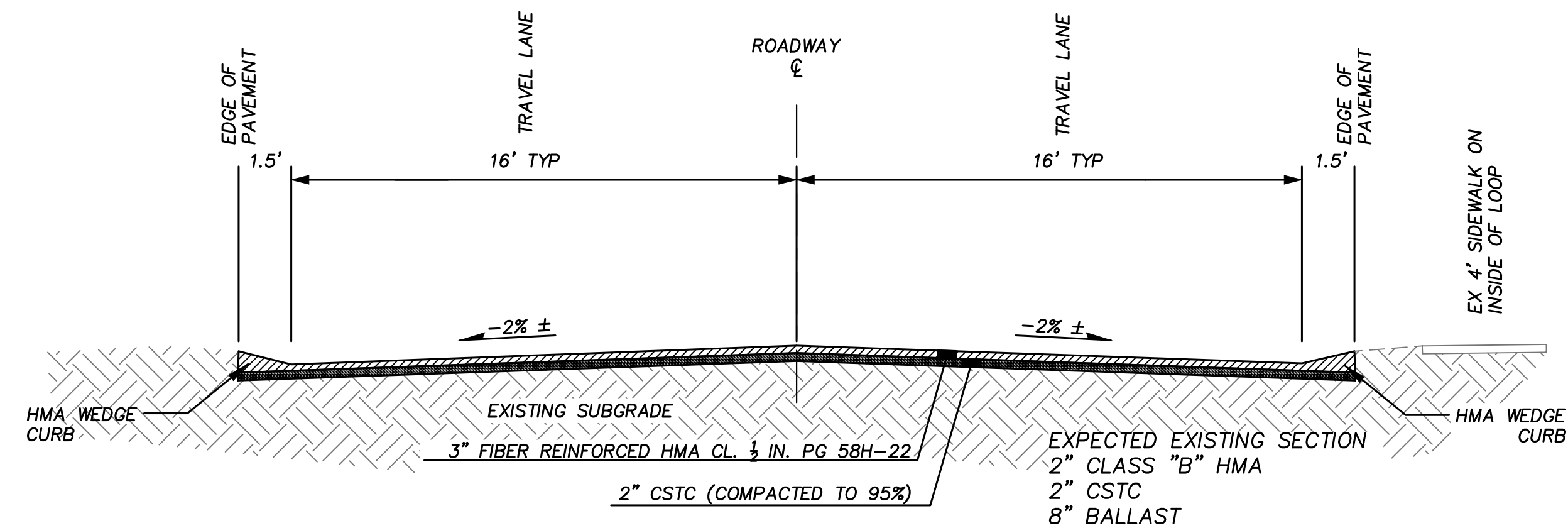
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CARPENTER HILLS LOOP
AROUND LOOP

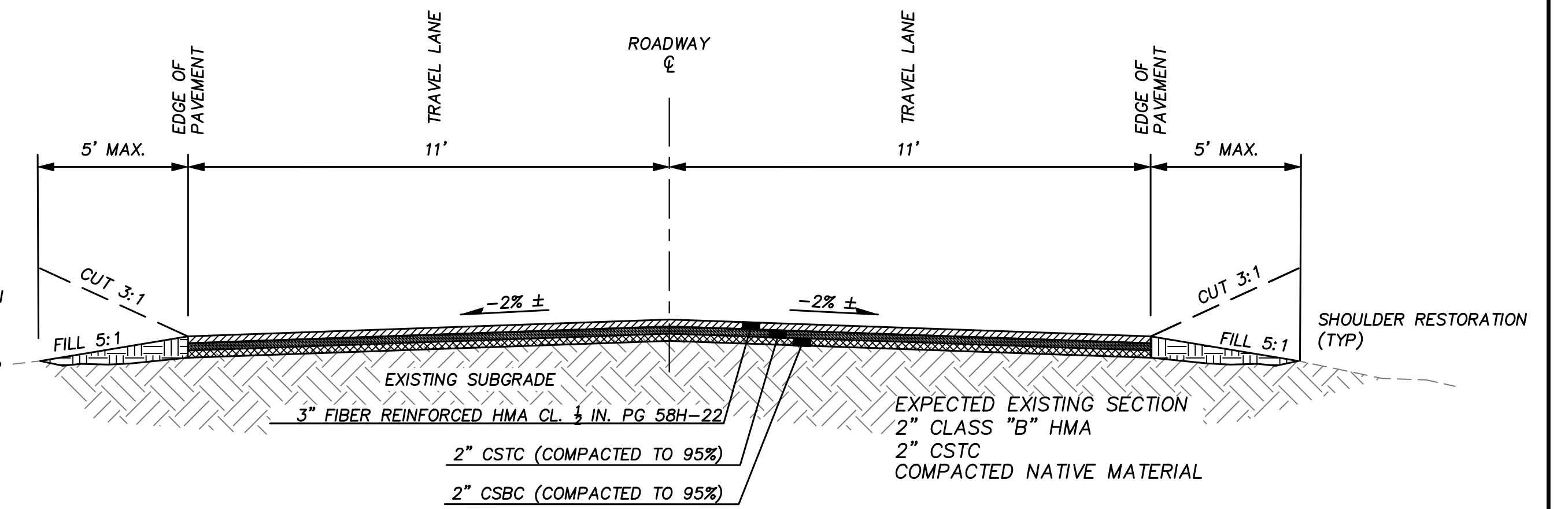


CARPENTER HILLS LP
ENTRANCE

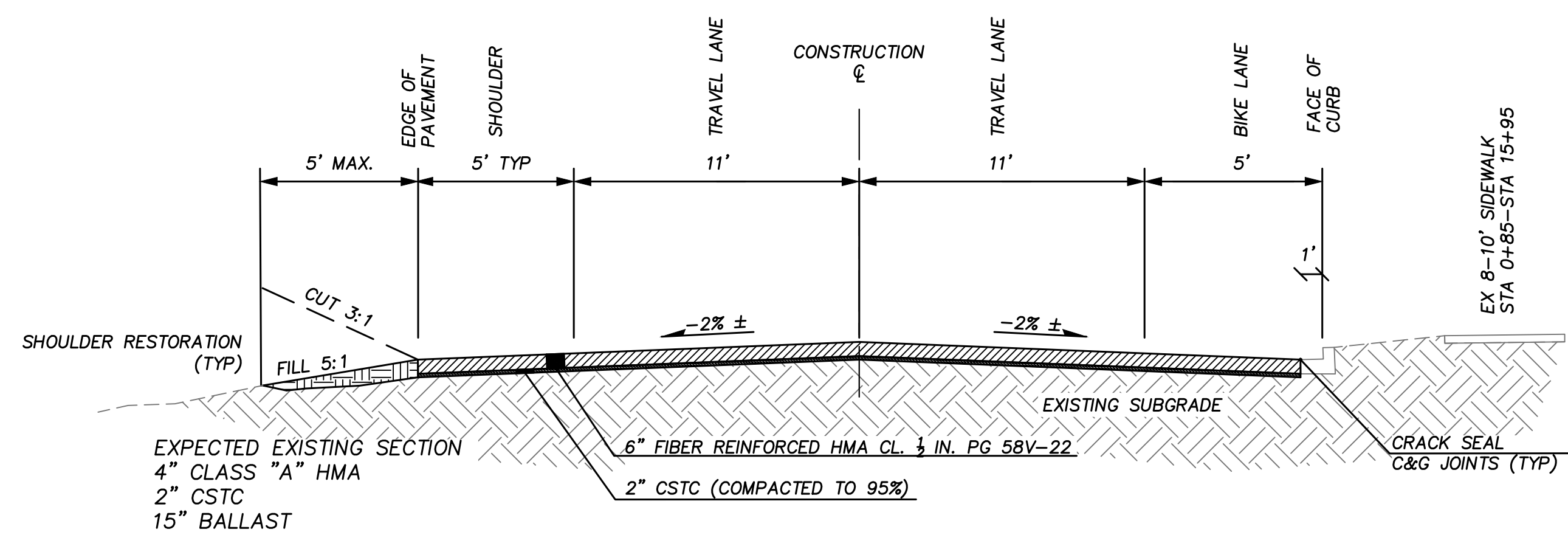


EMERALD ST, TOPAZ ST, OPAL CT, GEM CT, CRYSTAL CT, 54TH WAY, 54TH CT,
55TH WAY, 55TH CT, 57TH AVE, 58TH AVE

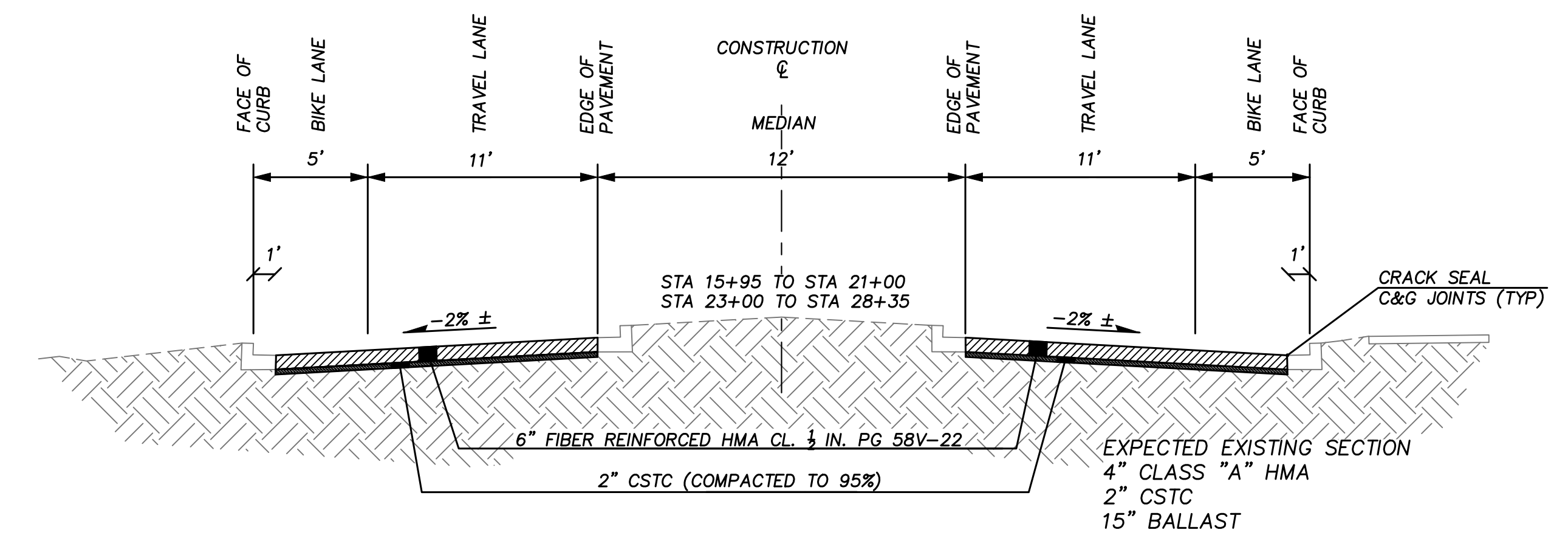
- TYPICAL CROSS-SECTION NOTES:**
1. EDGE CONDITIONS WILL VARY. CONDITION SHOWN IS TYPICAL FOR EACH SECTION.
 2. CROSS SECTIONS ARE NOT SHOWN TO SCALE
 3. NEW HMA ADJACENT TO CURB & GUTTER SHALL BE CRACK SEALED



34TH AVE

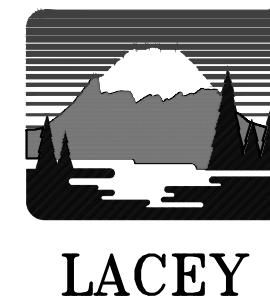


RAINIER RD
STA 0+85 TO STA 15+95



RAINIER RD
STA 15+95 TO STA 21+00
STA 23+00 TO STA 29+50

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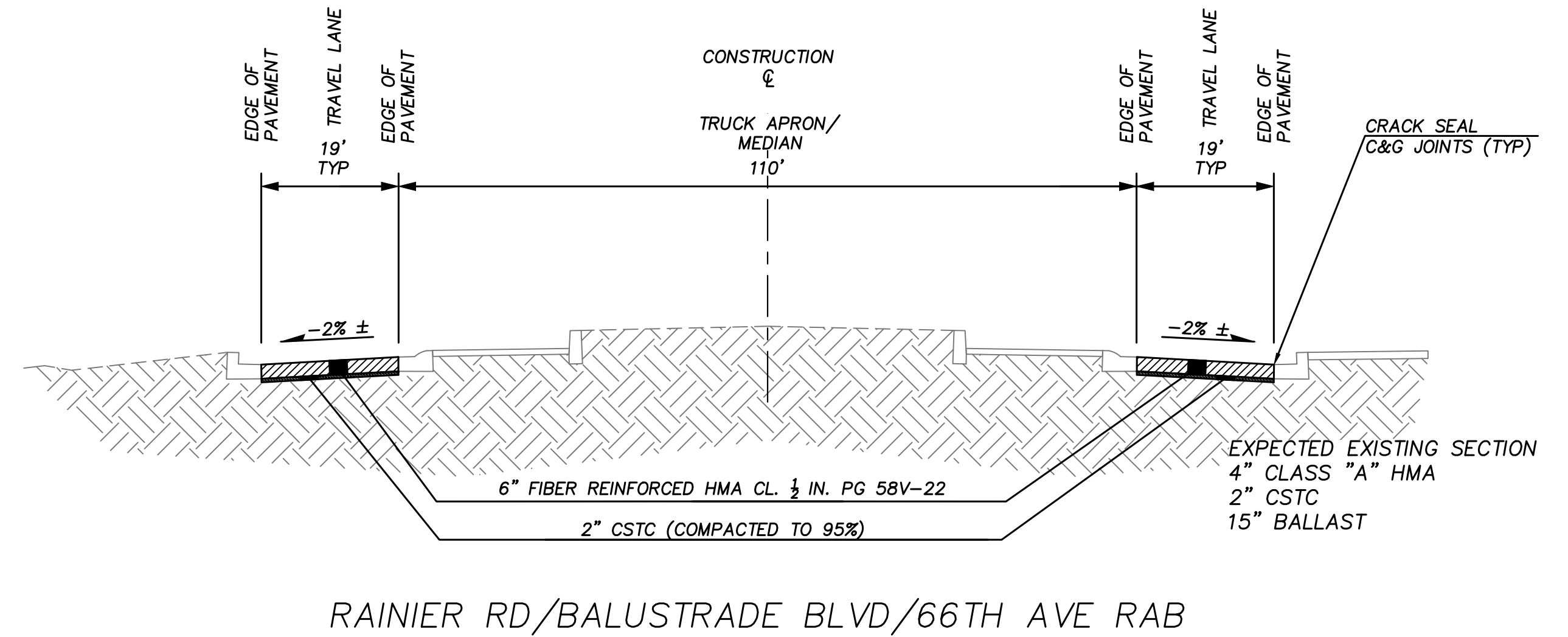
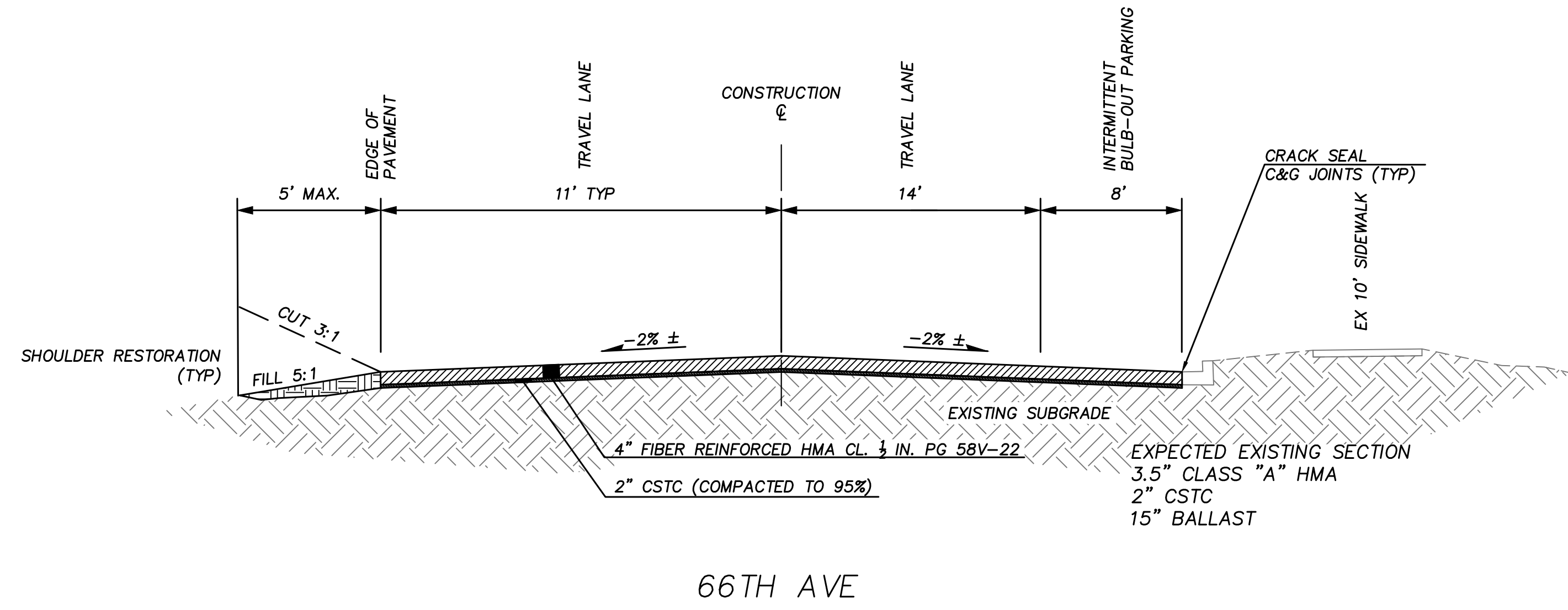


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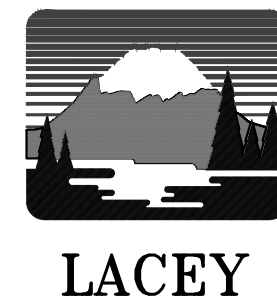
2023 OVERLAY PHASE 1 TYPICAL CROSS SECTIONS 1

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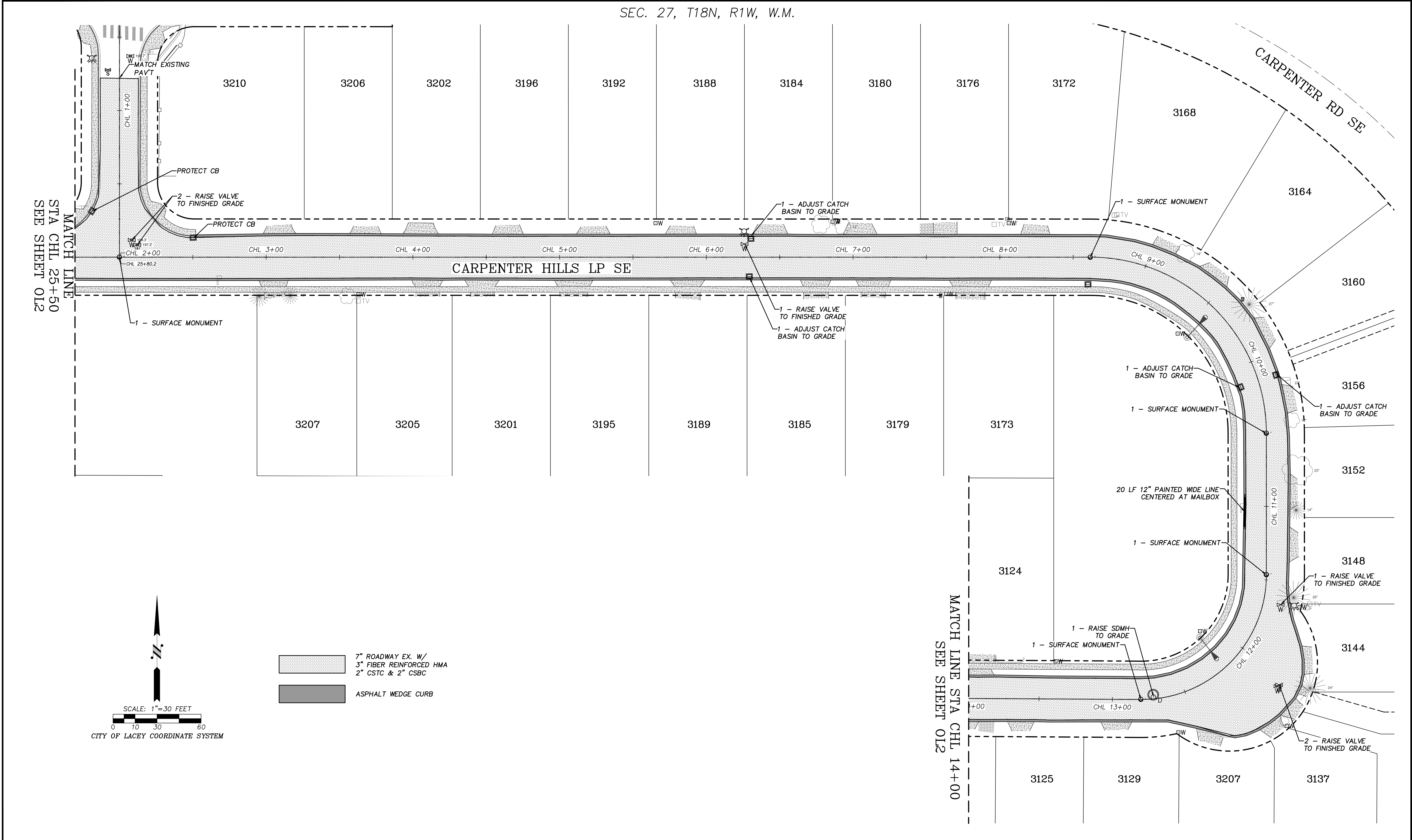


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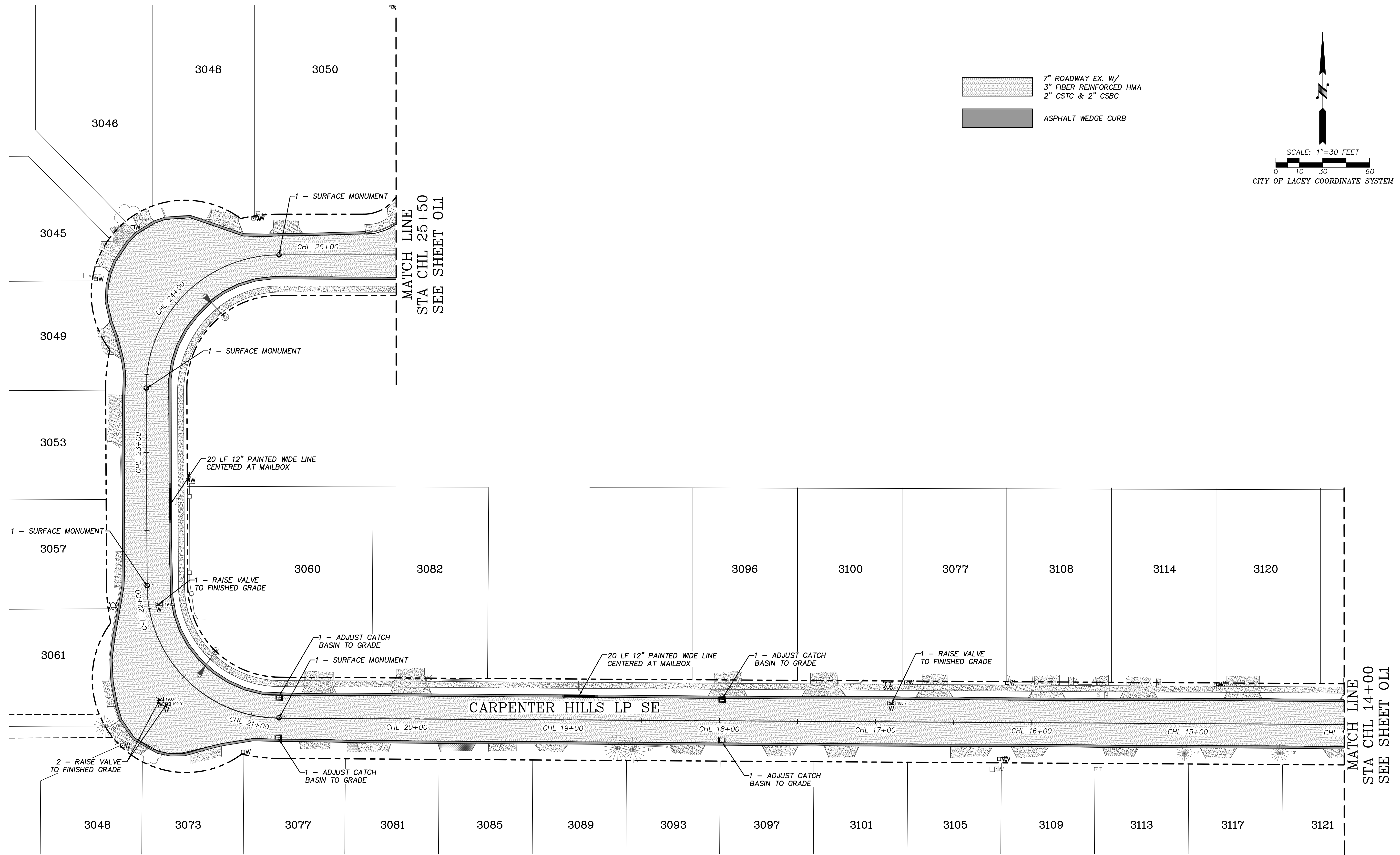
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2023 OVERLAY PHASE 1
OVERLAY PLANS
CARPENTER HILLS LP 1

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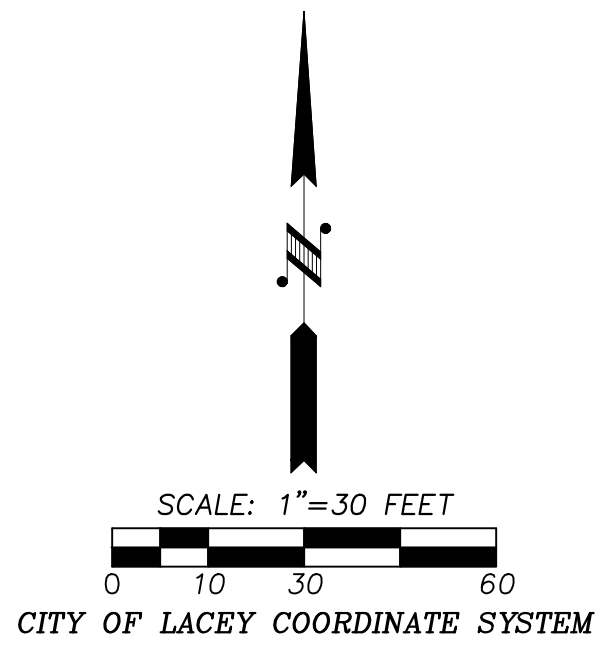
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SEC. 27, T18N, R1W, W.M.



7" ROADWAY EX. W/
3" FIBER REINFORCED HMA
2" CSTC & 2" CSBC

ASPHALT WEDGE CURB



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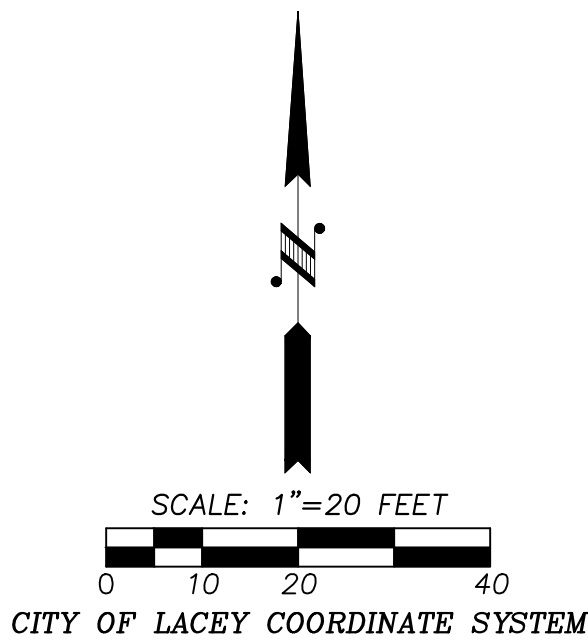
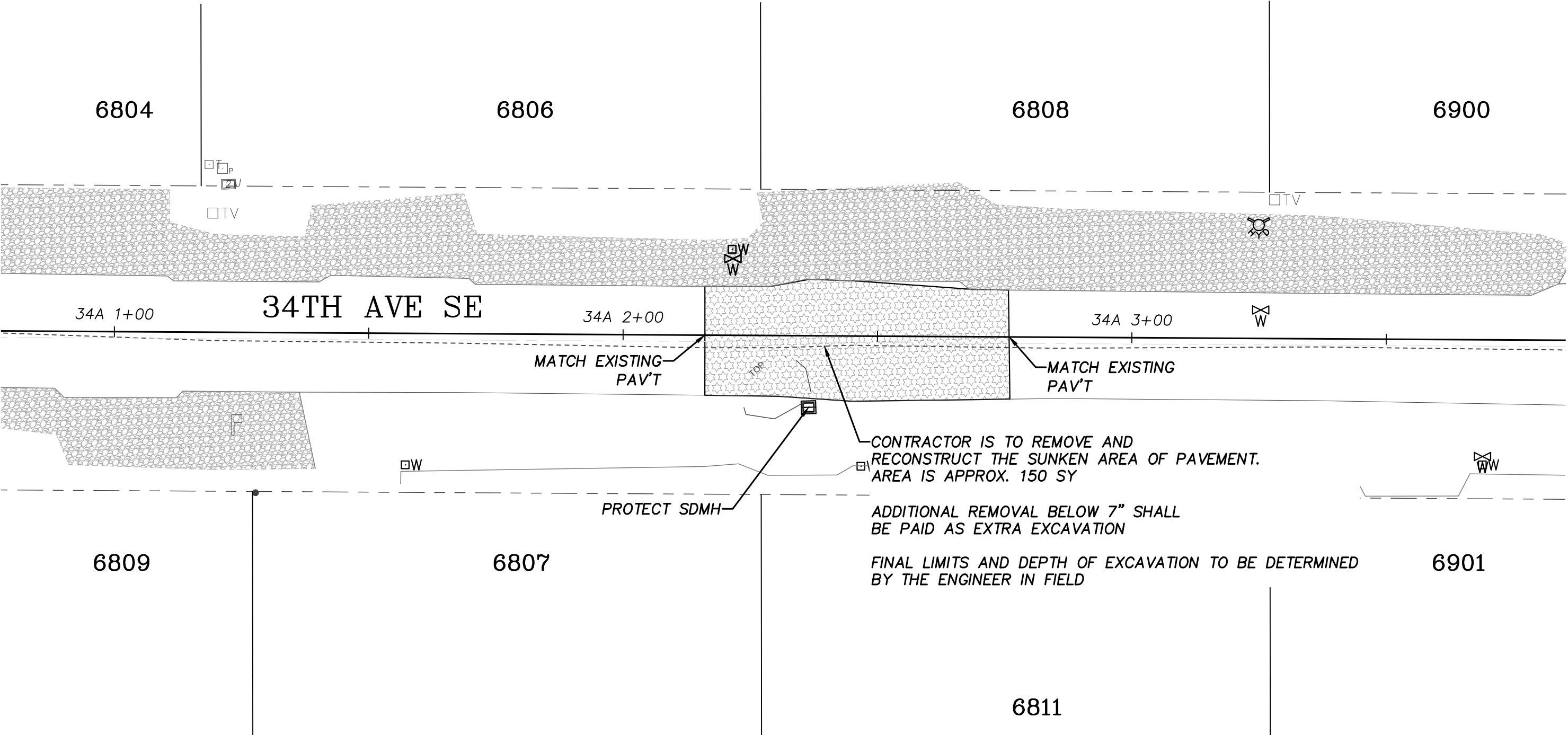
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OVERLAY PLANS
CARPENTER HILLS LP 2

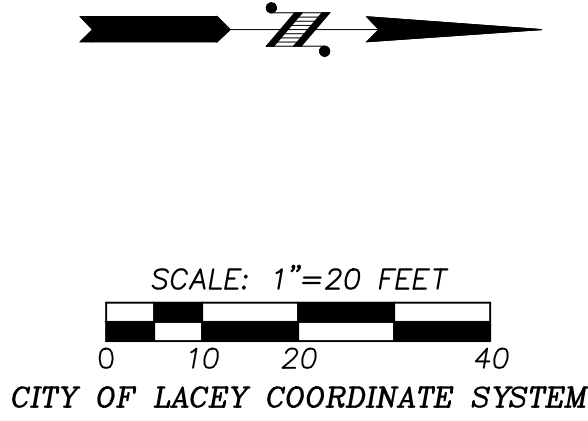
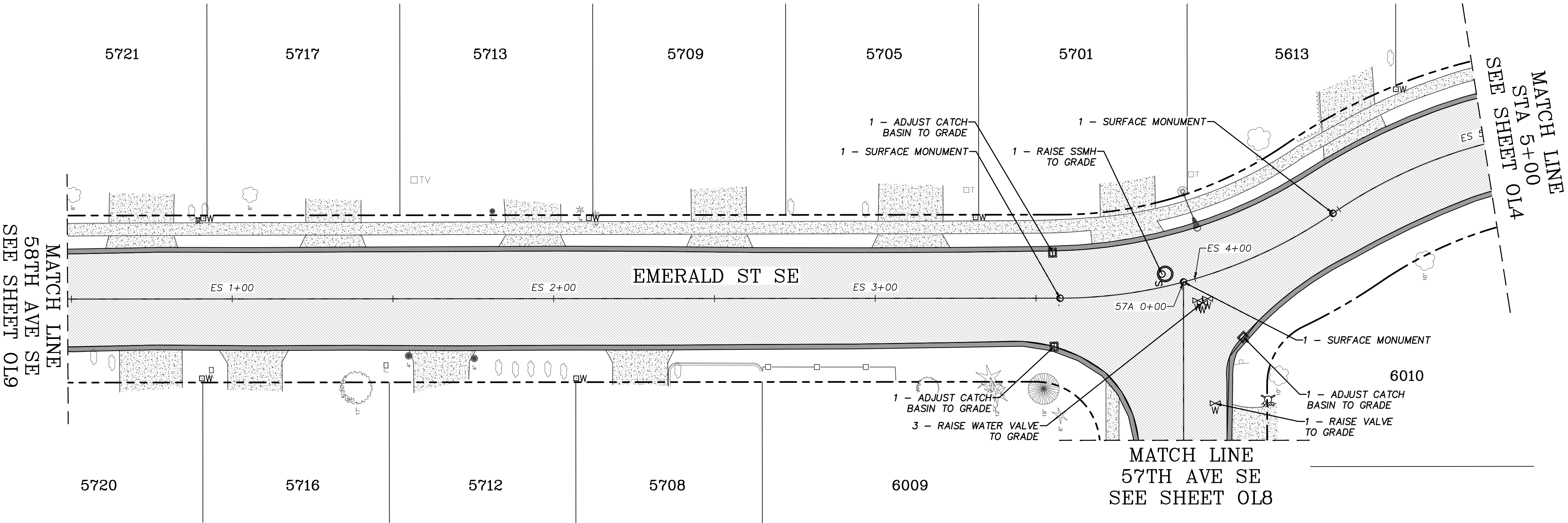
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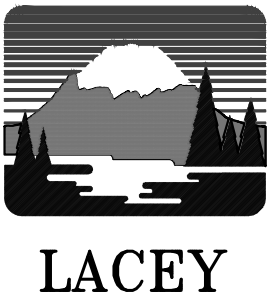
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SEC. 33, T18N, R1W, W.M.



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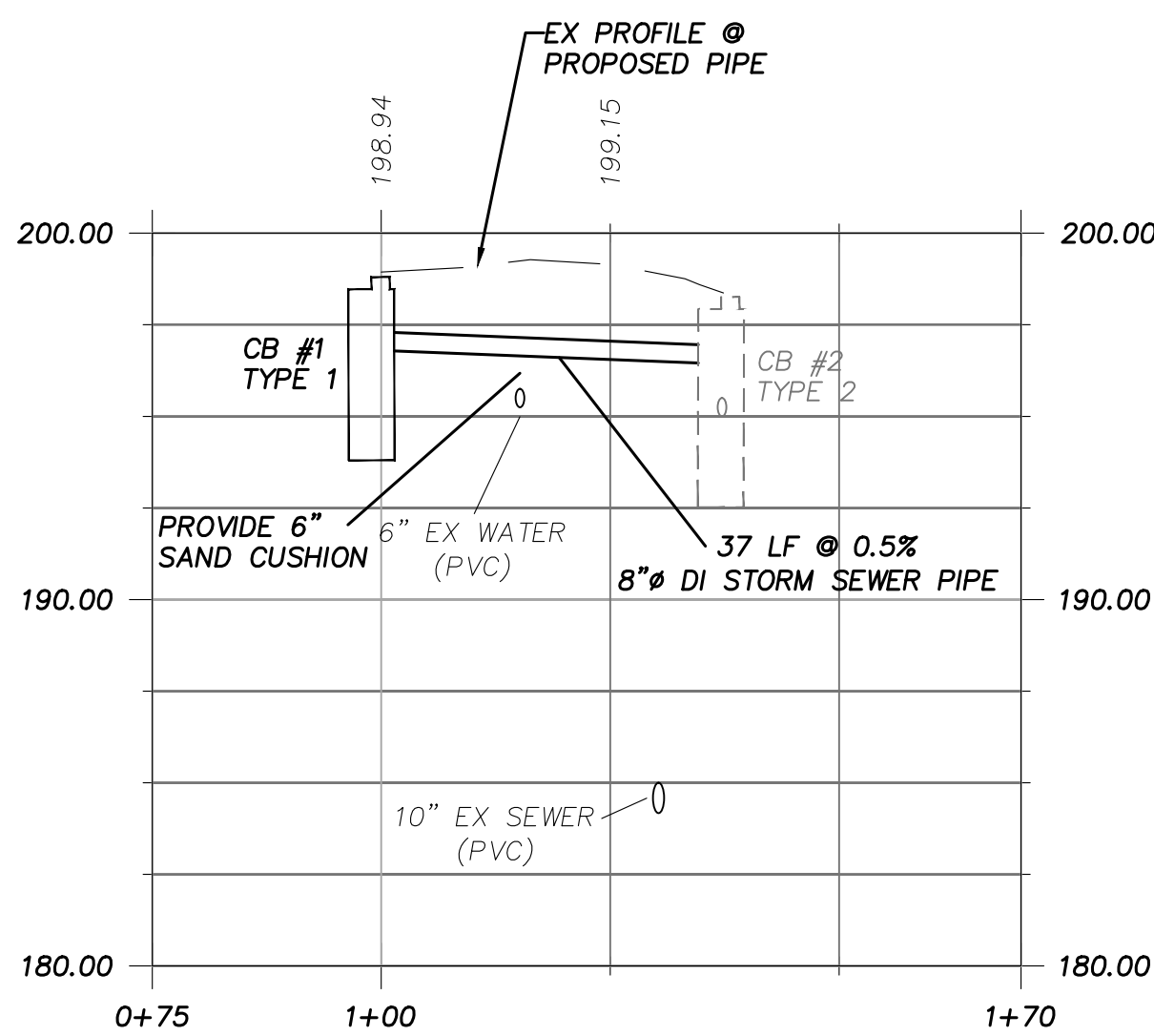
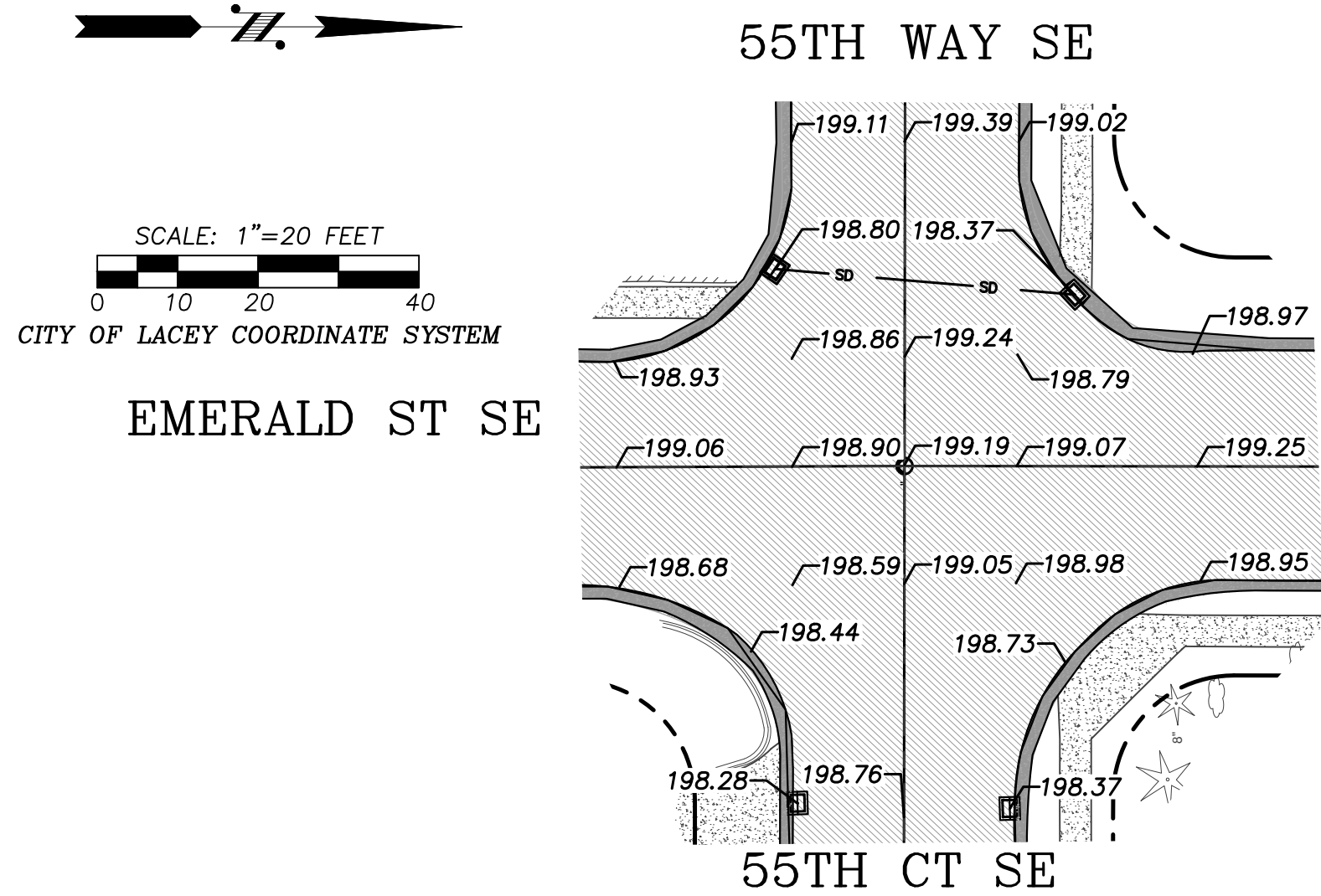
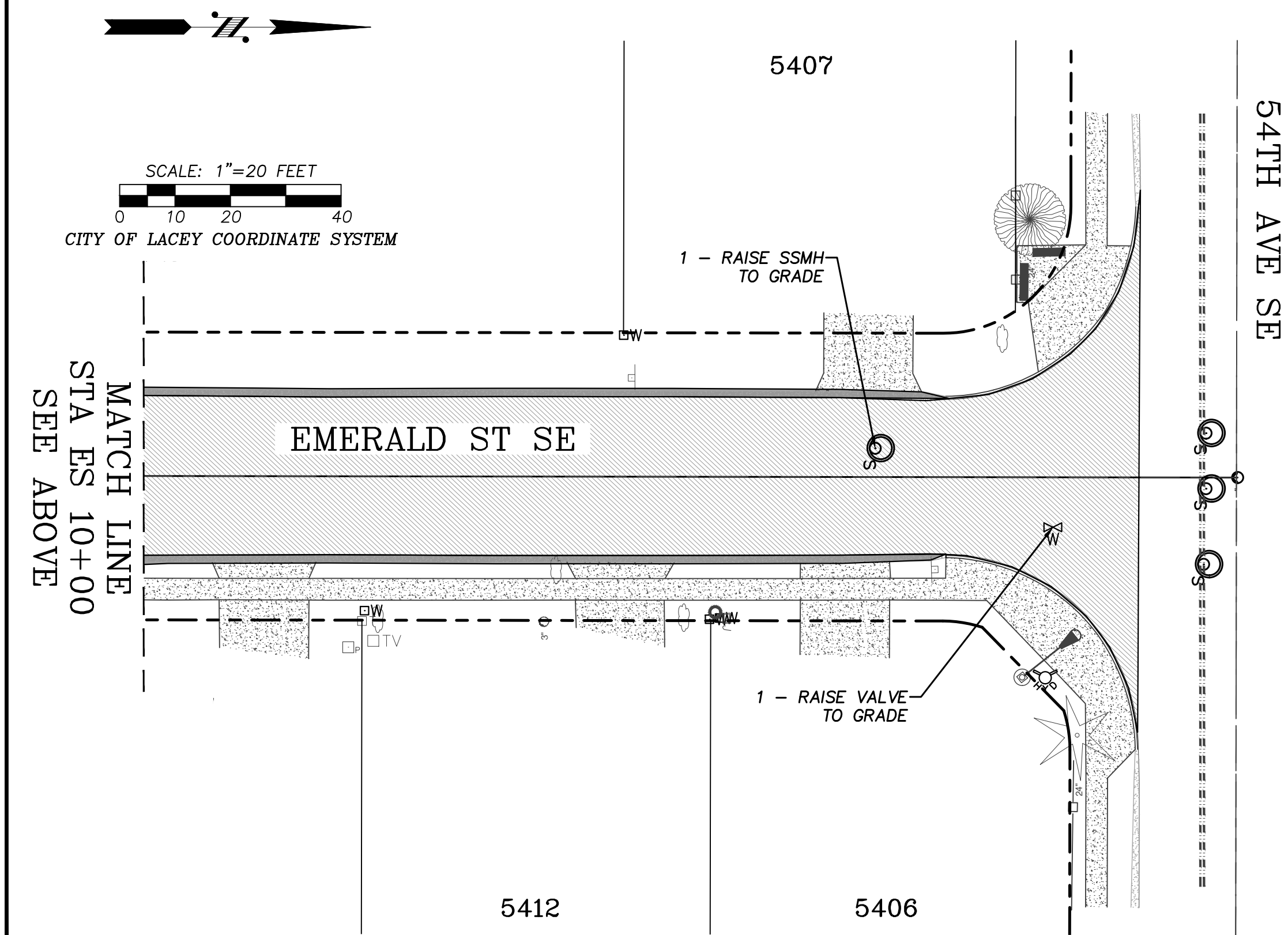
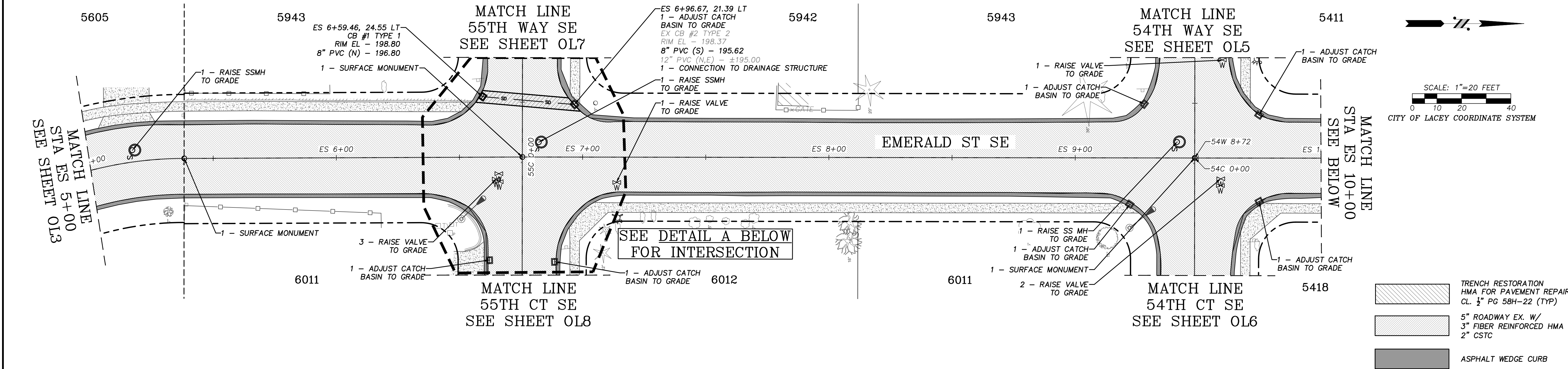
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2023 OVERLAY PHASE 1
OVERLAY PLANS
34TH AVE & EMERALD ST

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SEC. 33, T18N, R1W, W.M.



DETAIL A

- NOTES:
- CONTRACTOR SHALL ELIMINATE PRIMARY CROWN ALONG 55TH WAY/55TH CT
 - CONTRACTOR SHALL HOLD ELEVATION AT INTERSECTION @ AND SLOPE THE INTERSECTION TOWARDS THE CATCH BASINS AT THE APPROXIMATE ELEVATIONS SHOWN

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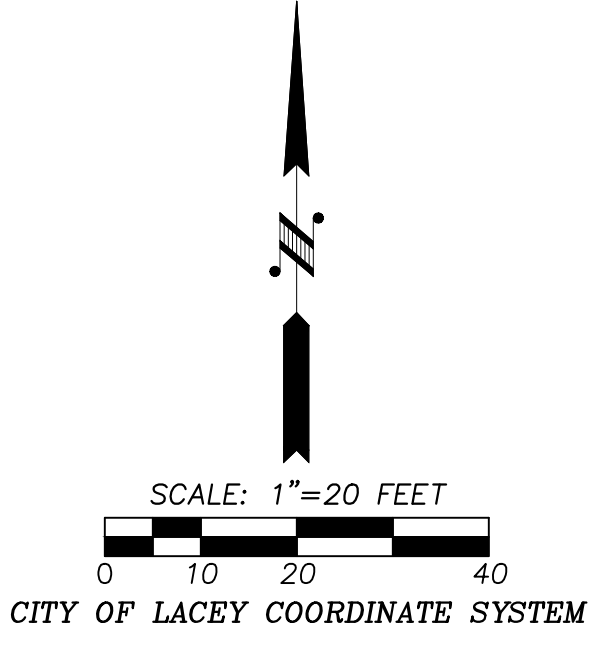
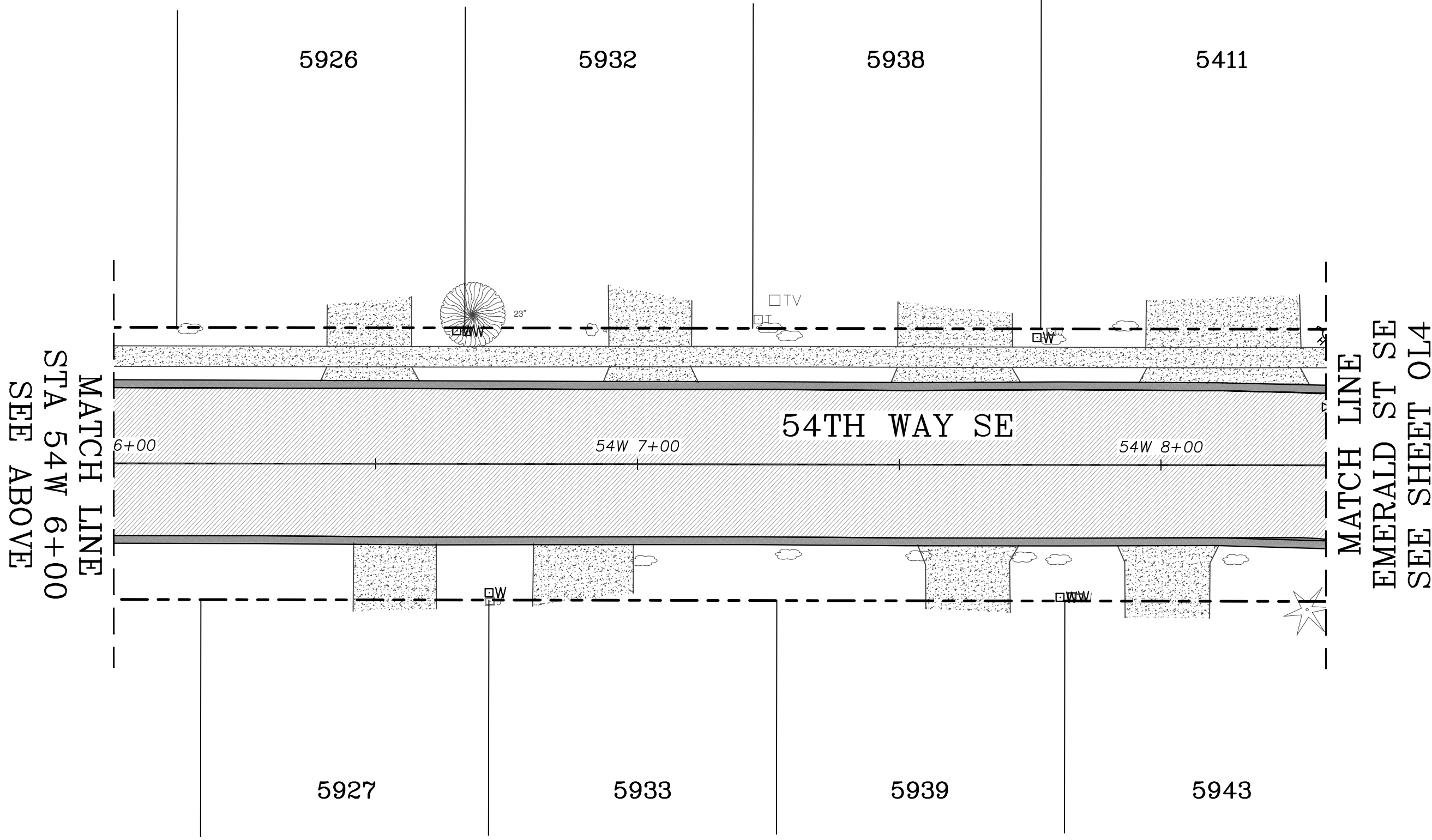
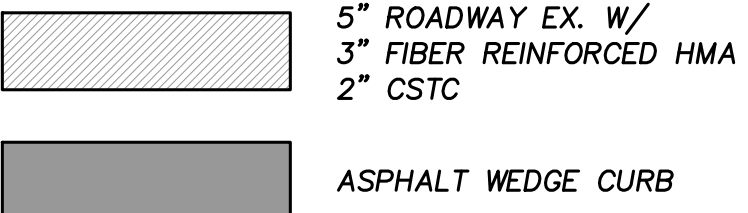
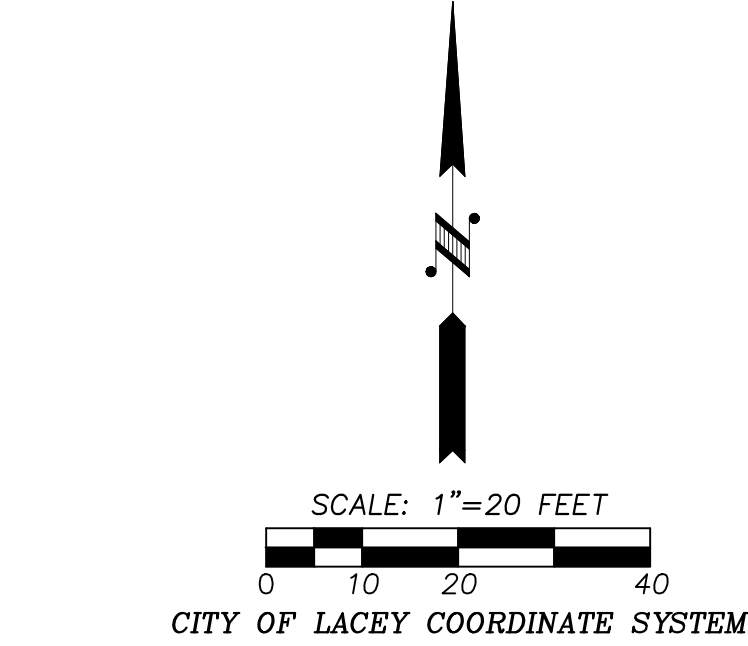
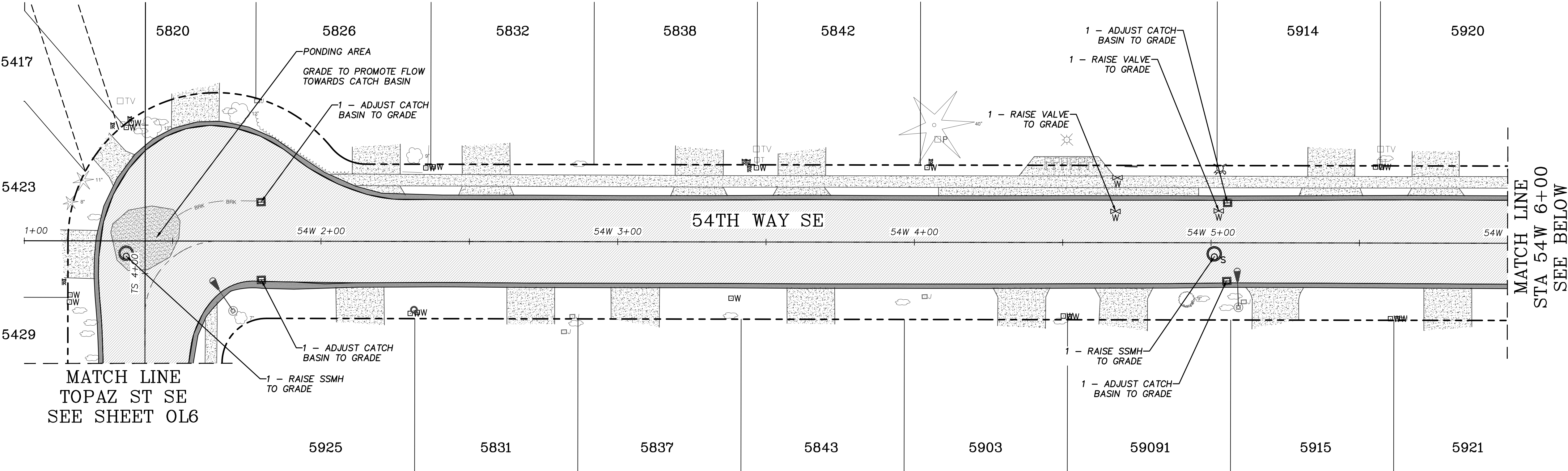
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2023 OVERLAY PHASE 1
OVERLAY PLANS
EMERALD ST

REVISION BLOCK		
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SEC. 33, T18N, R1W, W.M.



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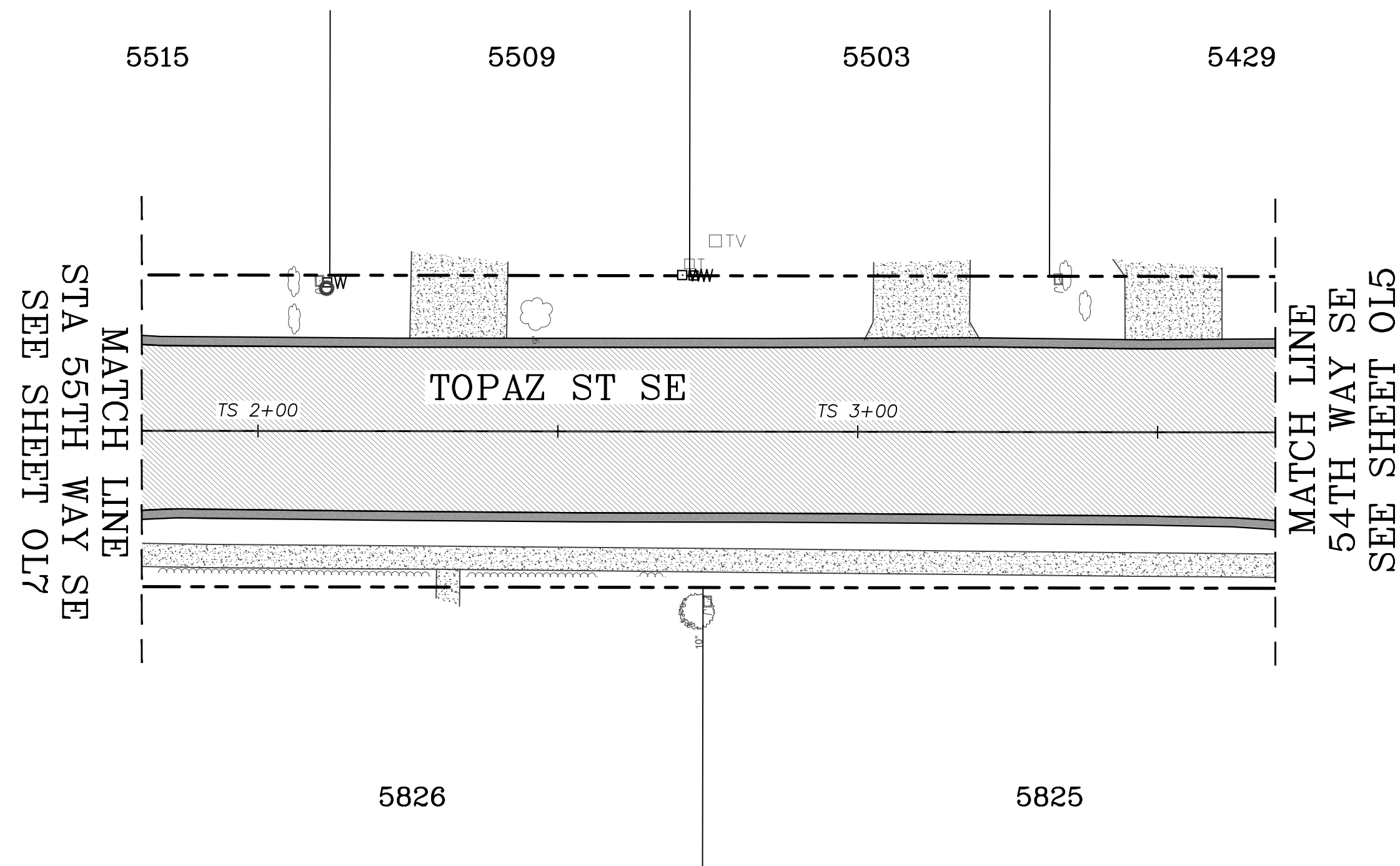
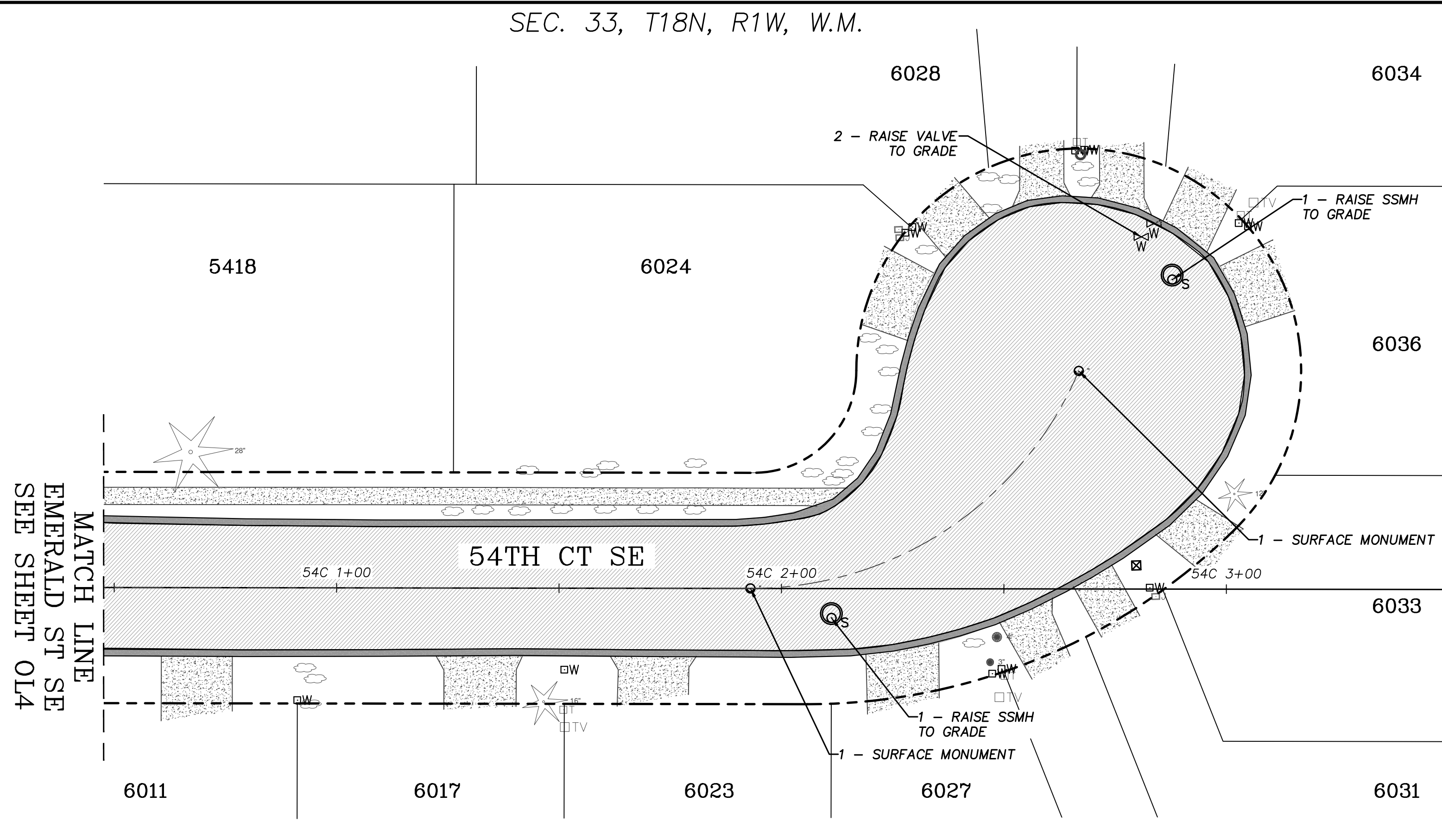


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2023 OVERLAY PHASE 1
OVERLAY PLANS
54TH WAY

REVISION BLOCK		
NO.	DATE	DESCRIPTION

PAGE NO.	SHEET NO.
OL5	9
DWG NO.	OF
D-23-02	25



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DESIGNED: BP
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2023 OVERLAY PHASE 1

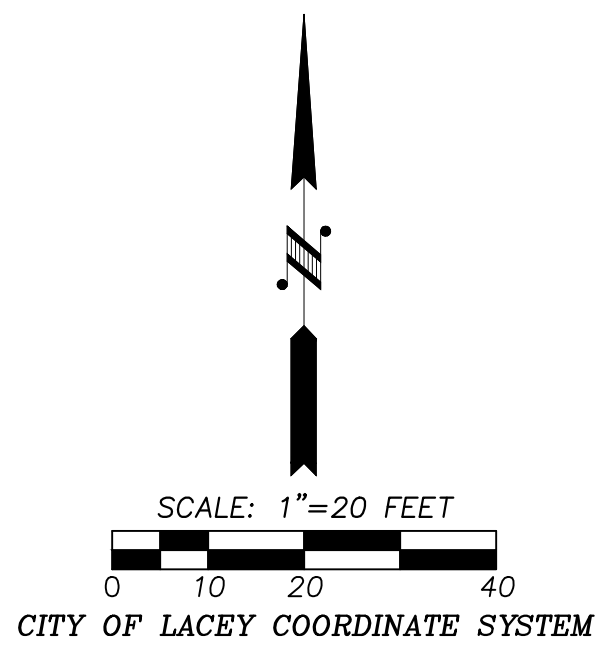
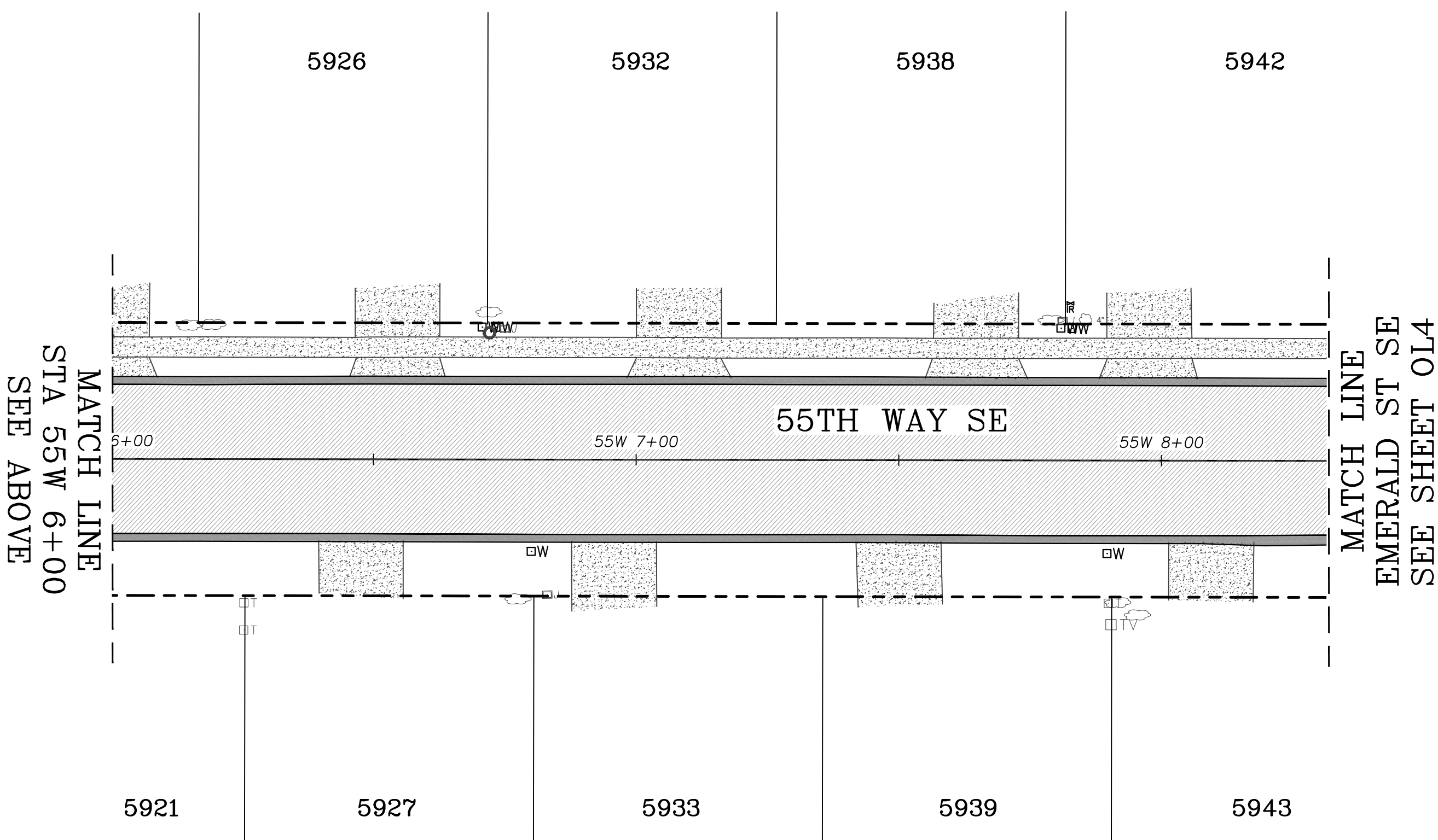
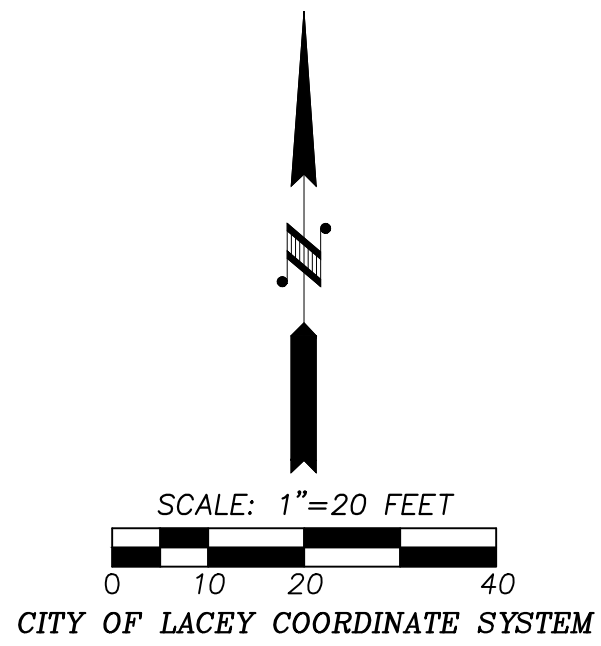
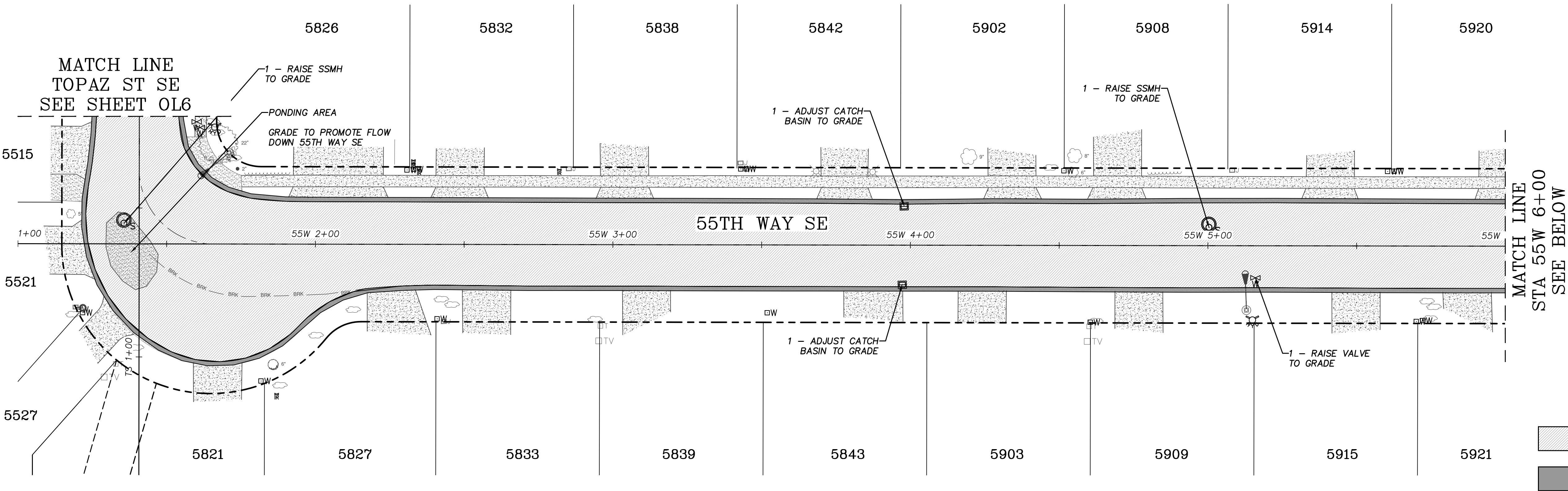
OVERLAY PLANS

54TH CT & TOPAZ ST

REVISION BLOCK		
NO.	DATE	DESCRIPTION

PAGE NO.	SHEET NO.
OL6	10
DWG NO.	OF
D-23-02	25

SEC. 33, T18N, R1W, W.M.



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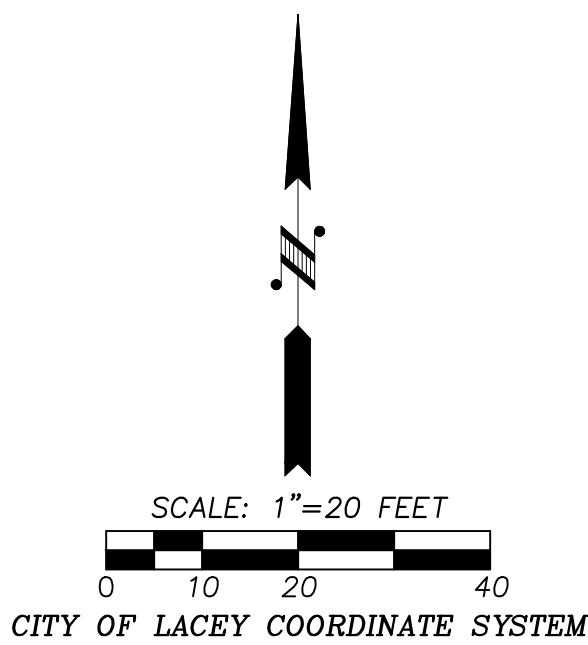
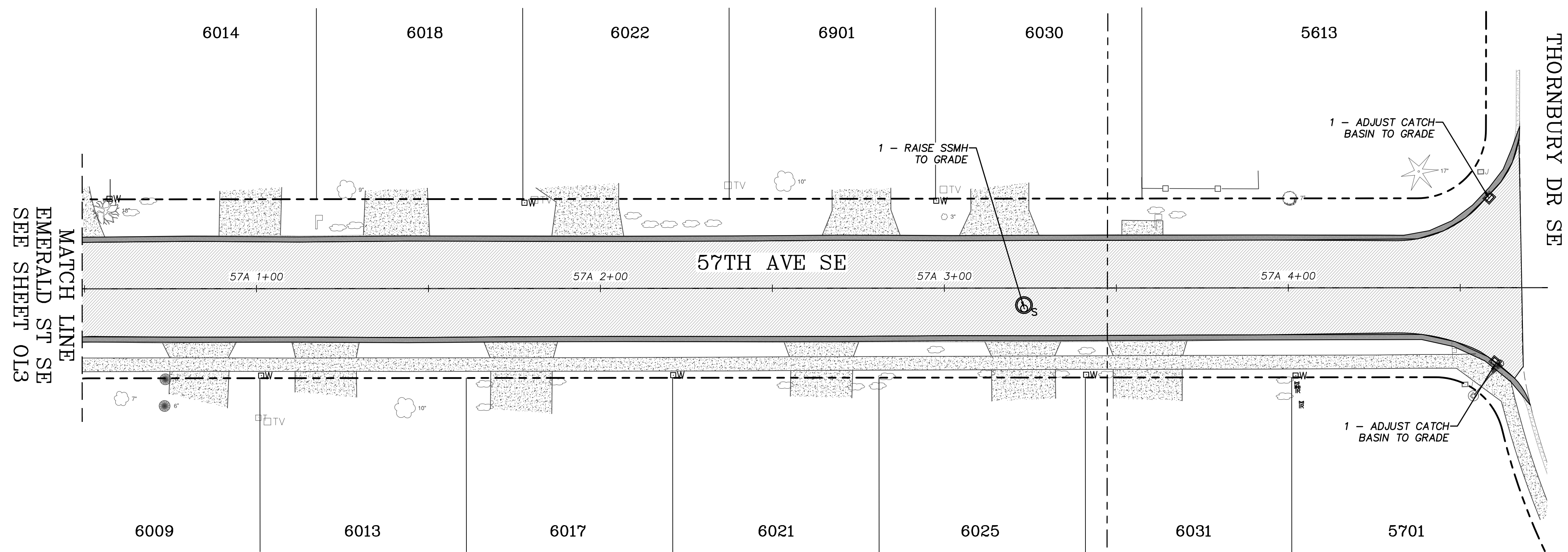
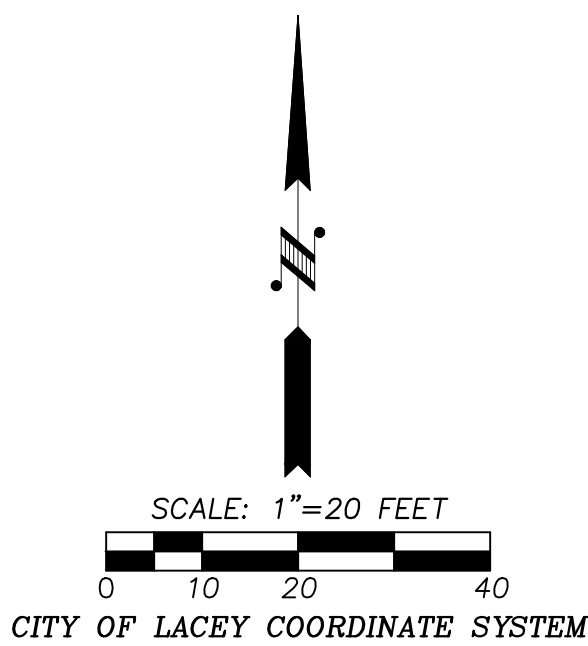
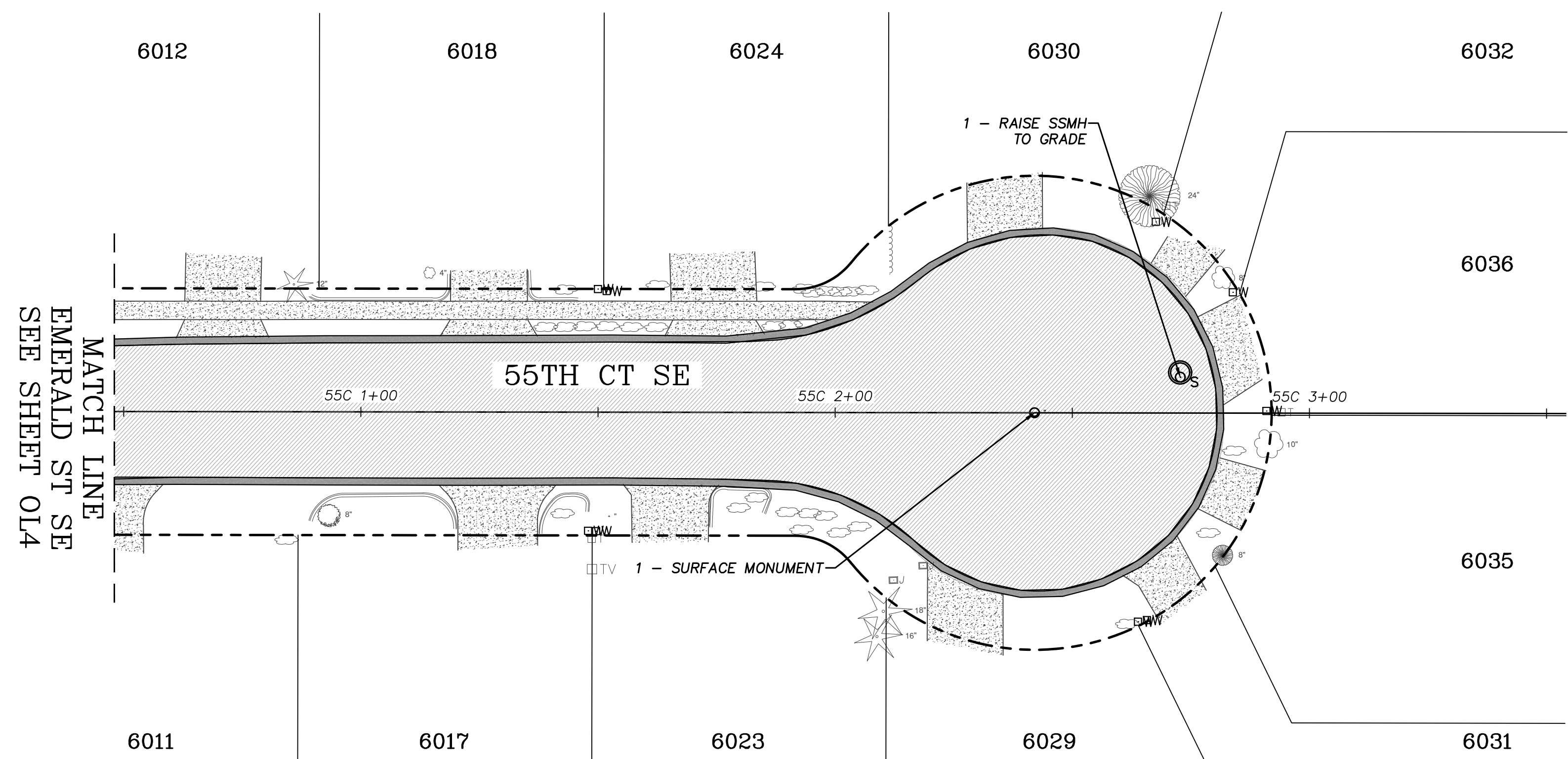
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2023 OVERLAY PHASE 1
OVERLAY PLANS
55TH WAY

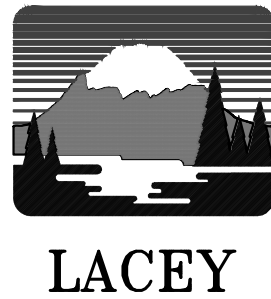
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NO.	DATE	DESCRIPTION

PAGE NO.	SHEET NO.
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D-23-02	25

SEC. 33, T18N, R1W, W.M.



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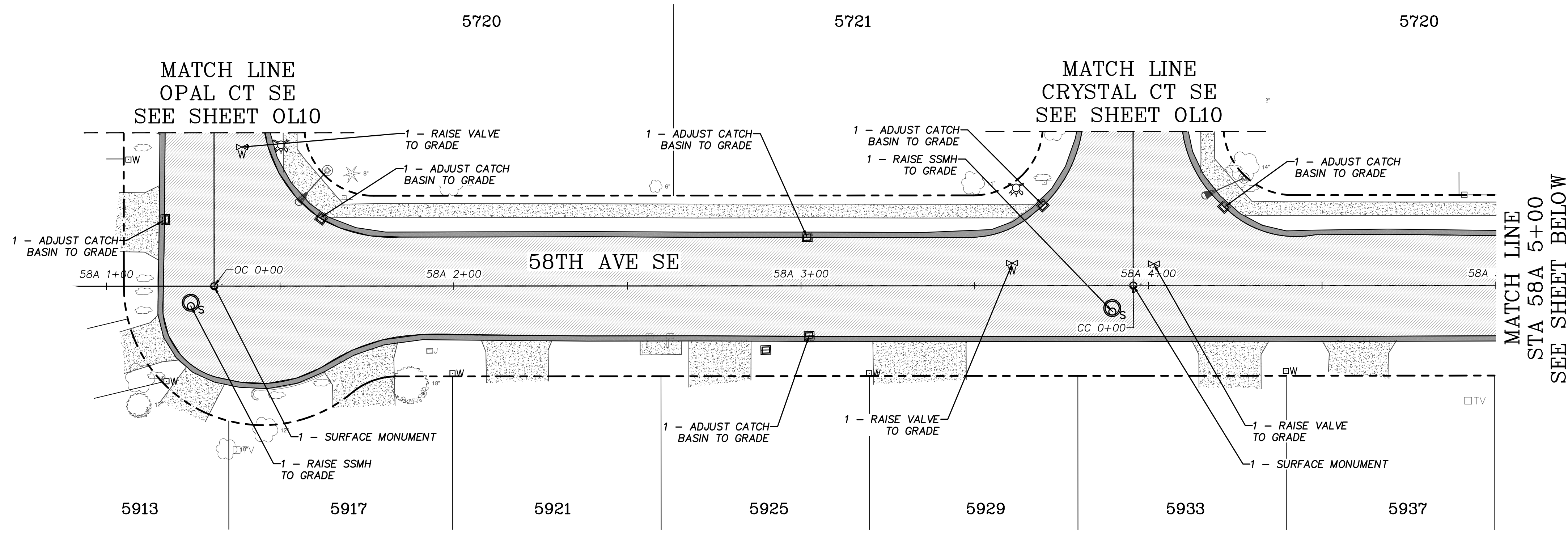
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2023 OVERLAY PHASE 1
OVERLAY PLANS
55TH CT & 57TH ST

REVISION BLOCK		
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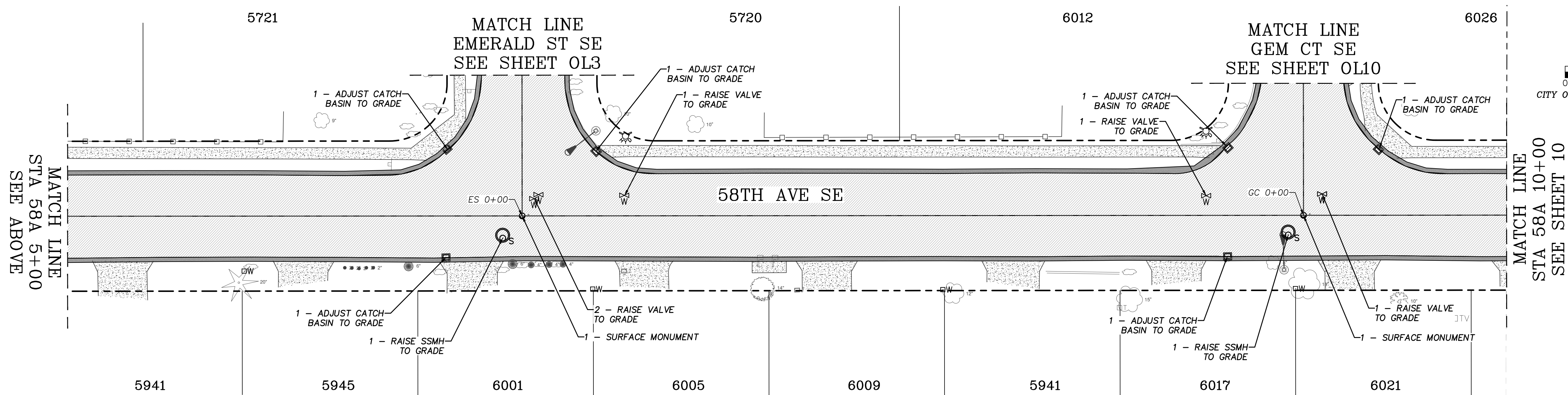
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018	12
DWG NO.	OF
D-23-02	25

SEC. 26, T18N, R1W, W.M.
SEC. 27, T18N, R1W, W.M.



SCALE: 1"=20 FEET
CITY OF LACEY COORDINATE SYSTEM

5" ROADWAY EX. W/
3" FIBER REINFORCED HMA
2" CSTC
ASPHALT WEDGE CURB



SCALE: 1"=20 FEET
CITY OF LACEY COORDINATE SYSTEM

CITY OF LACEY, WASHINGTON
DEPARTMENT OF PUBLIC WORKS
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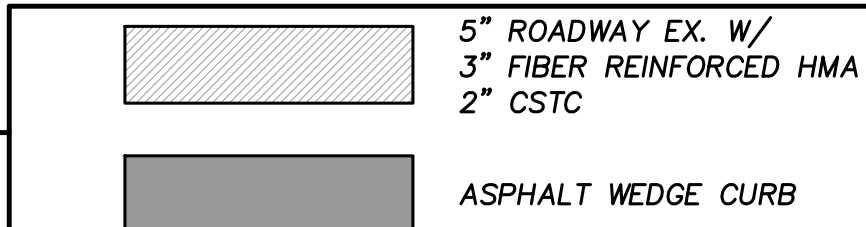
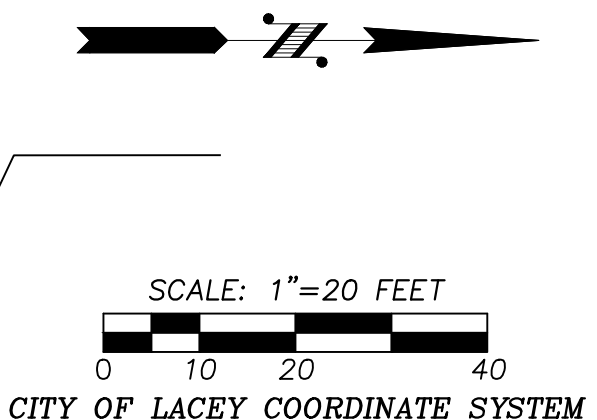
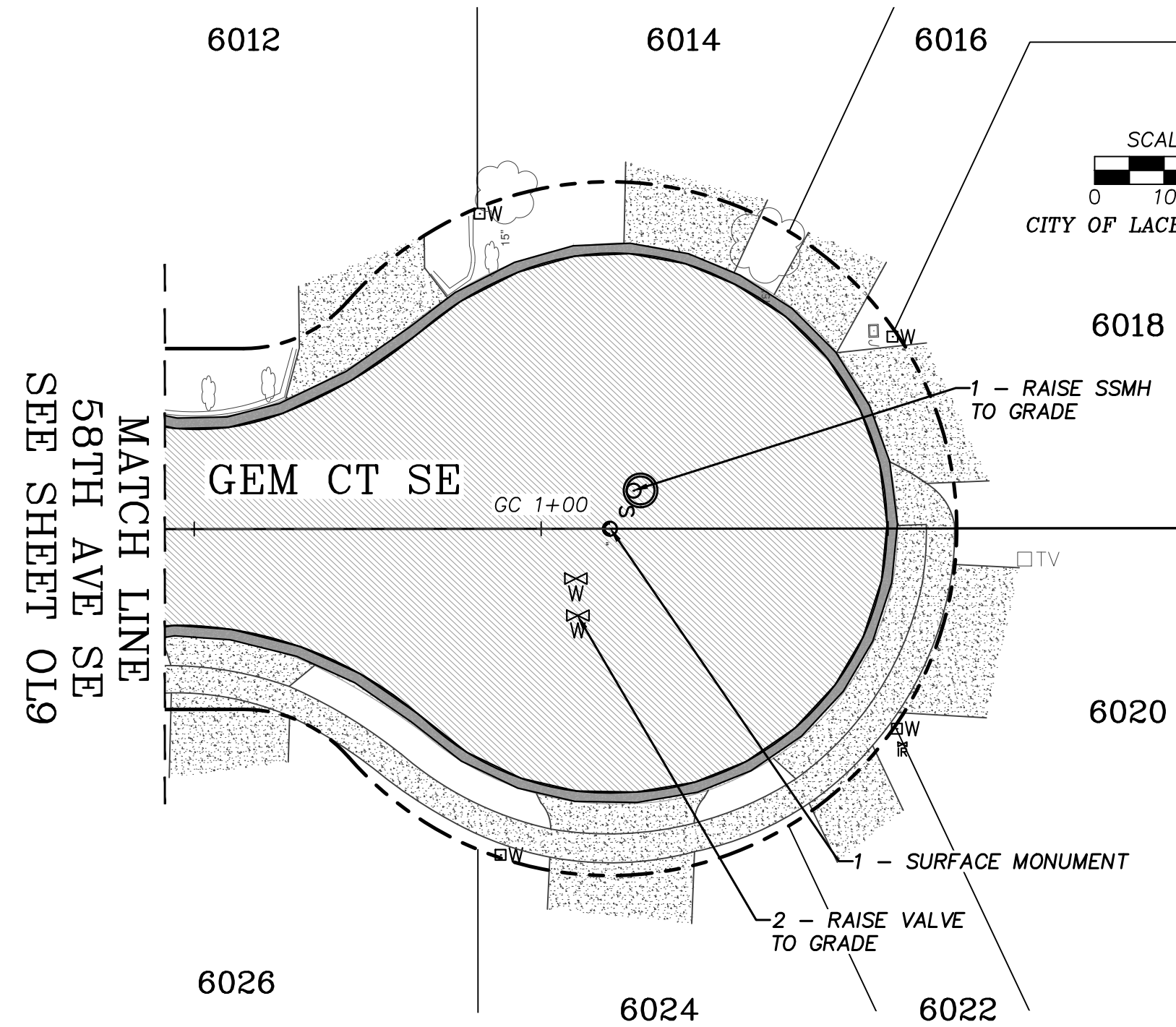
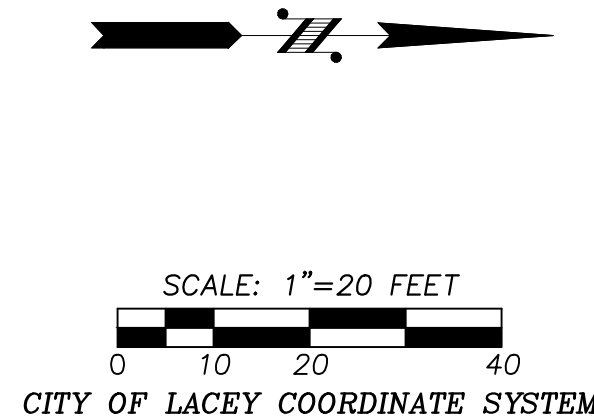
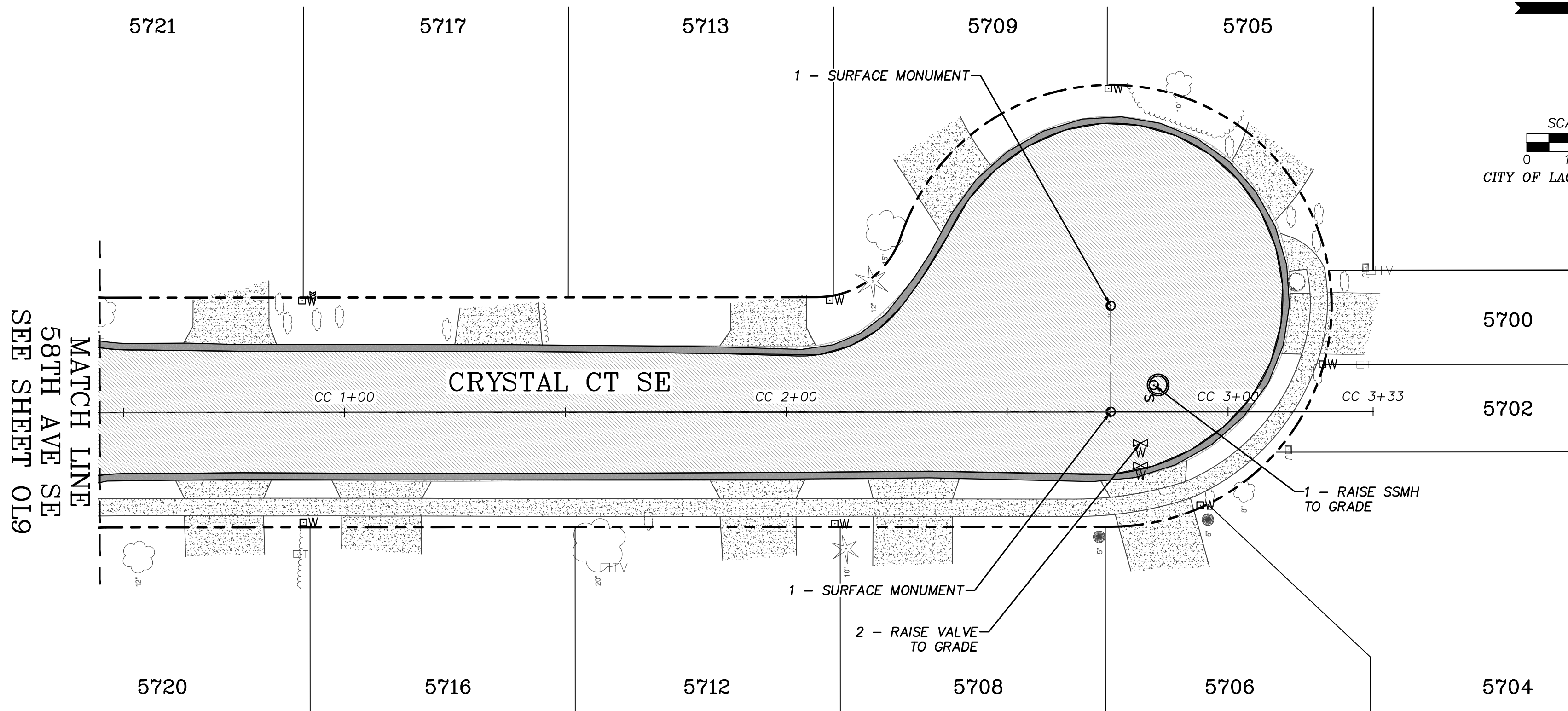
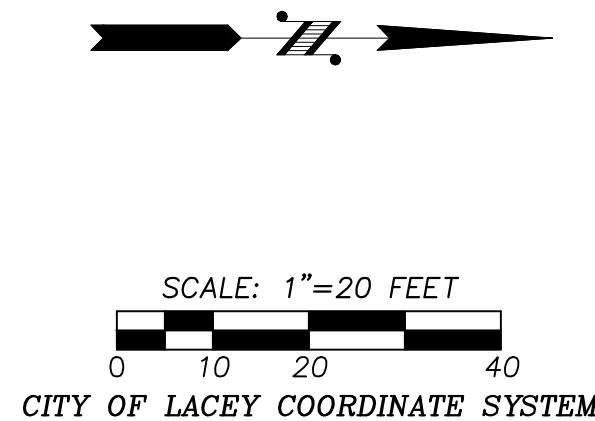
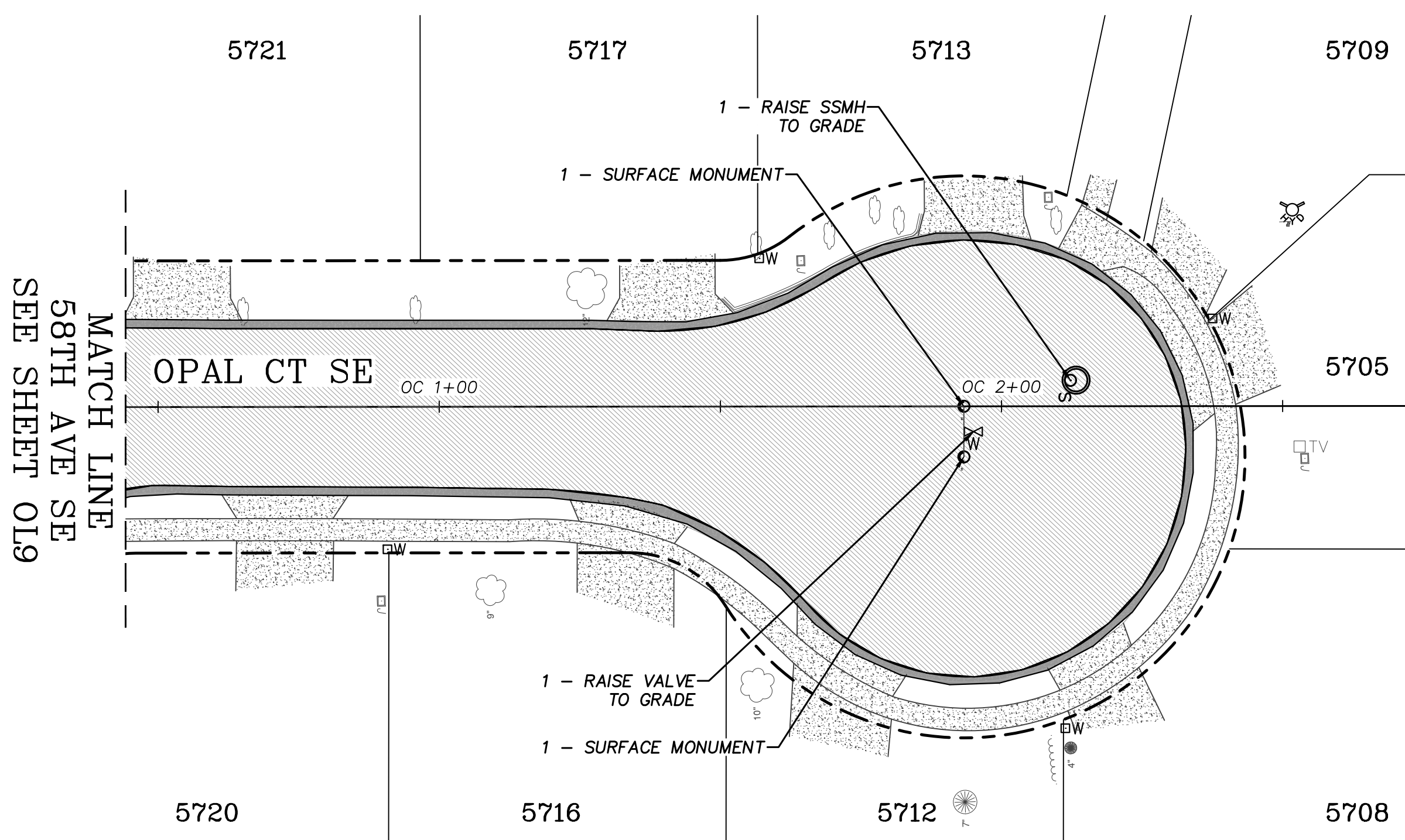
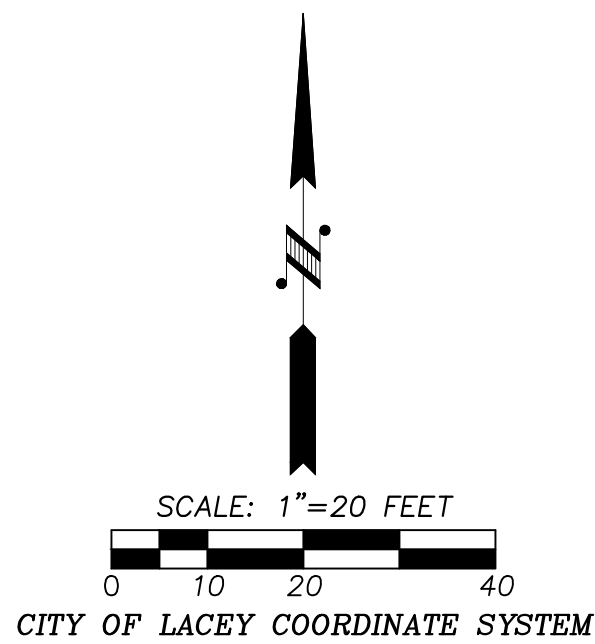
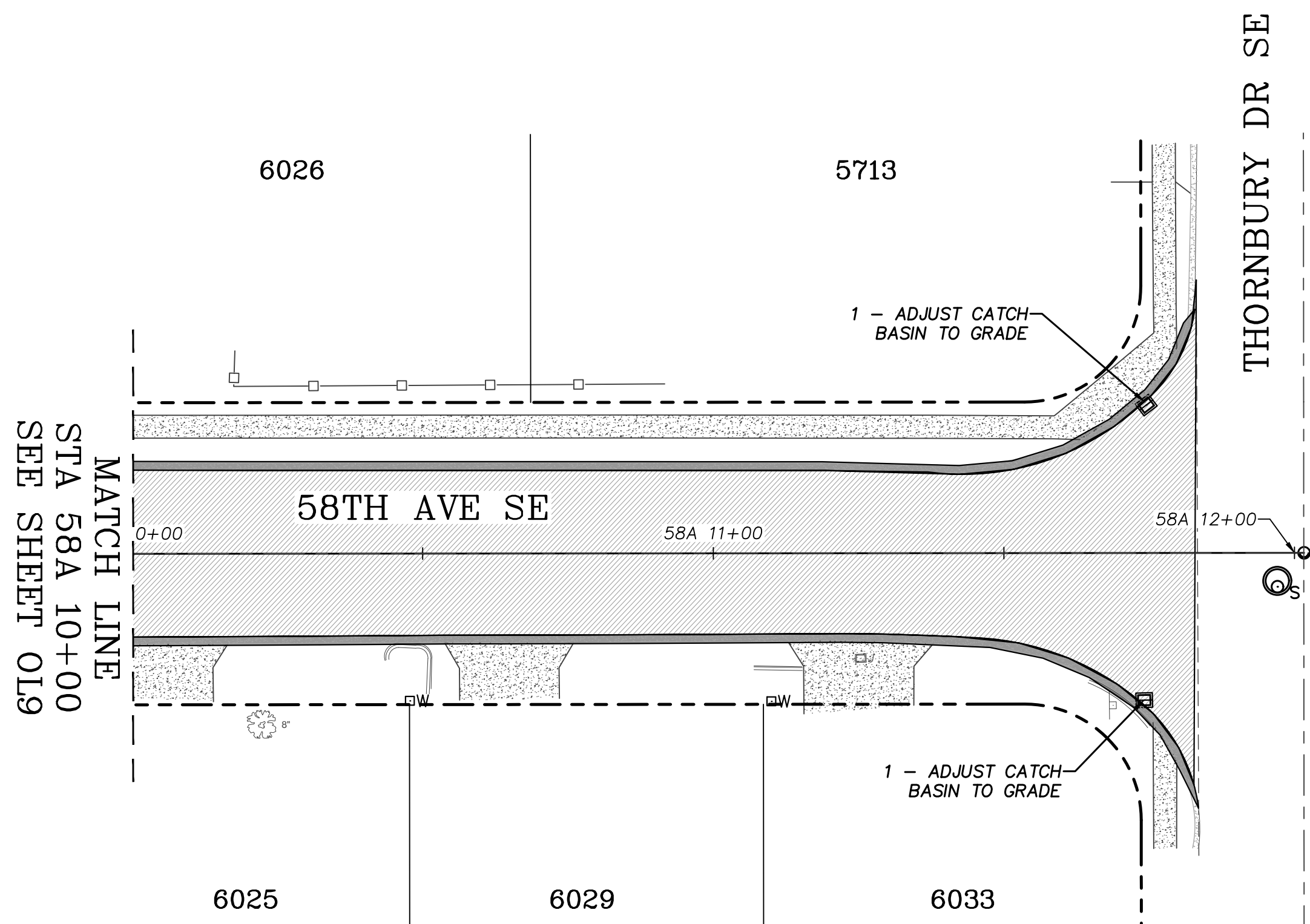
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2023 OVERLAY PHASE 1
OVERLAY PLANS
58TH AVE

REVISION BLOCK		
NO.	DATE	DESCRIPTION

PAGE NO.	SHEET NO.
OL9	13
DWG NO.	OF
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SEC. 33, T18N, R1W, W.M.



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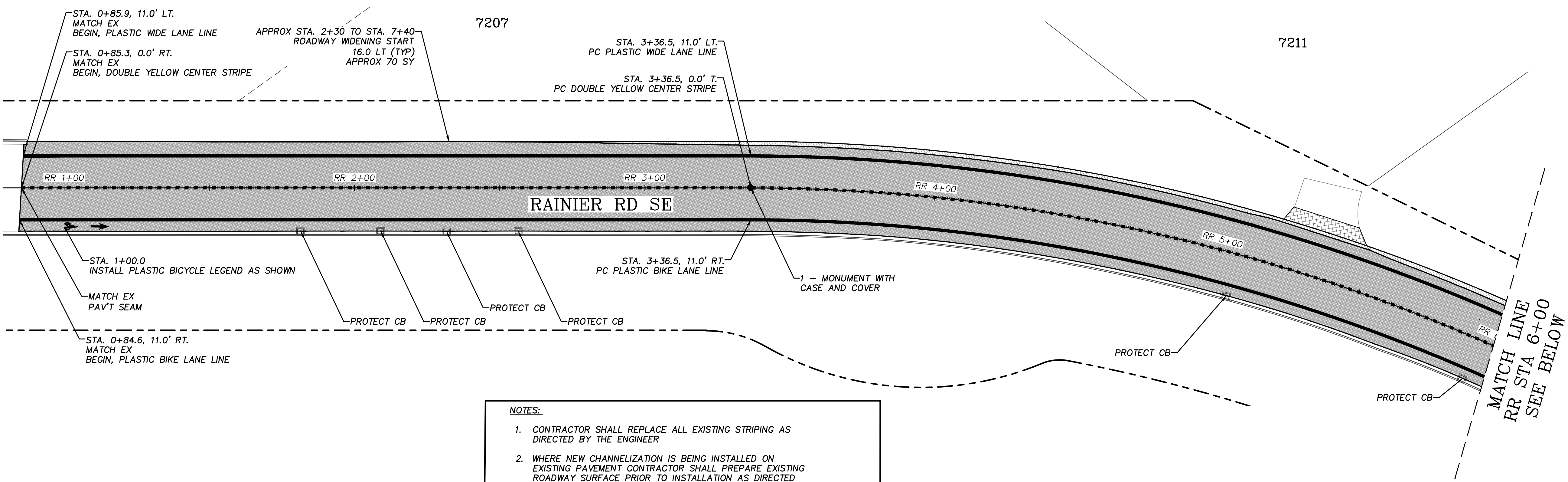
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2023 OVERLAY PHASE 1
OVERLAY PLANS
58TH AVE, OPAL CT, CRYSTAL CT & GEM CT

REVISION BLOCK		
NO.	DATE	DESCRIPTION

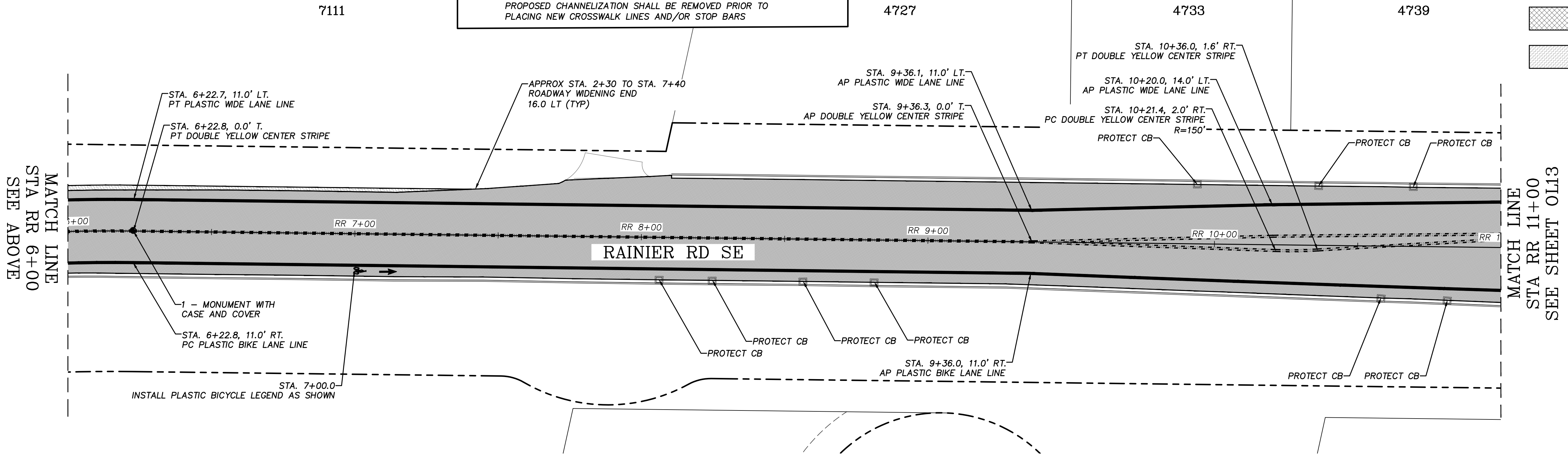
PAGE NO.	SHEET NO.
OL10	14
DWG NO.	OF
D-23-02	25

SEC. 04, T17N, R1W, W.M.



- NOTES:
1. CONTRACTOR SHALL REPLACE ALL EXISTING STRIPING AS DIRECTED BY THE ENGINEER
 2. WHERE NEW CHANNELIZATION IS BEING INSTALLED ON EXISTING PAVEMENT CONTRACTOR SHALL PREPARE EXISTING ROADWAY SURFACE PRIOR TO INSTALLATION AS DIRECTED BY THE ENGINEER.
 3. CONTRACTOR SHALL REMOVE EXISTING STRIPING OUTSIDE THE PAVING LIMITS AS DIRECTED BY THE ENGINEER. ANY EXISTING THERMOPLASTIC LINES IN CONFLICT WITH THE PROPOSED CHANNELIZATION SHALL BE REMOVED PRIOR TO PLACING NEW CROSSWALK LINES AND/OR STOP BARS

- 8" ROADWAY EX. W/ 6" FIBER REINFORCED HMA 2" CSTC
- COMMERCIAL HMA FOR DRIVEWAYS AND PATHS
- AREA OF ROADWAY WIDENING



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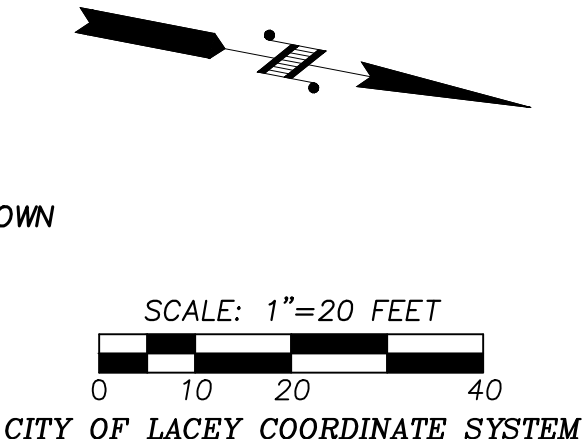
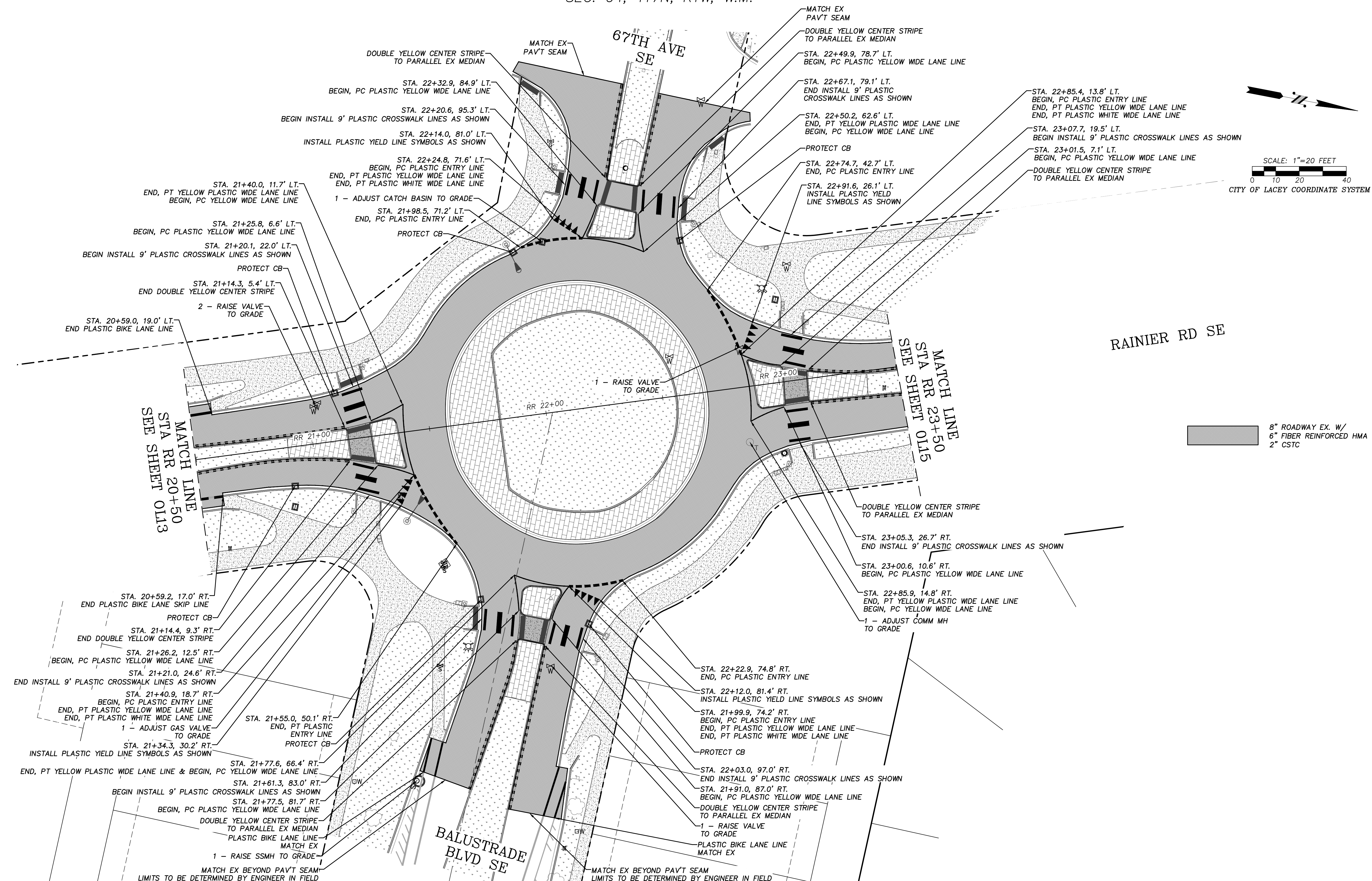
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2023 OVERLAY PHASE 1
OVERLAY PLANS
RAINIER RD 1

REVISION BLOCK		
NO.	DATE	DESCRIPTION

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OL11	15
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SEC. 04, T17N, R1W, W.M.



8" ROADWAY EX. W/
6" FIBER REINFORCED HMA
2" CSTC

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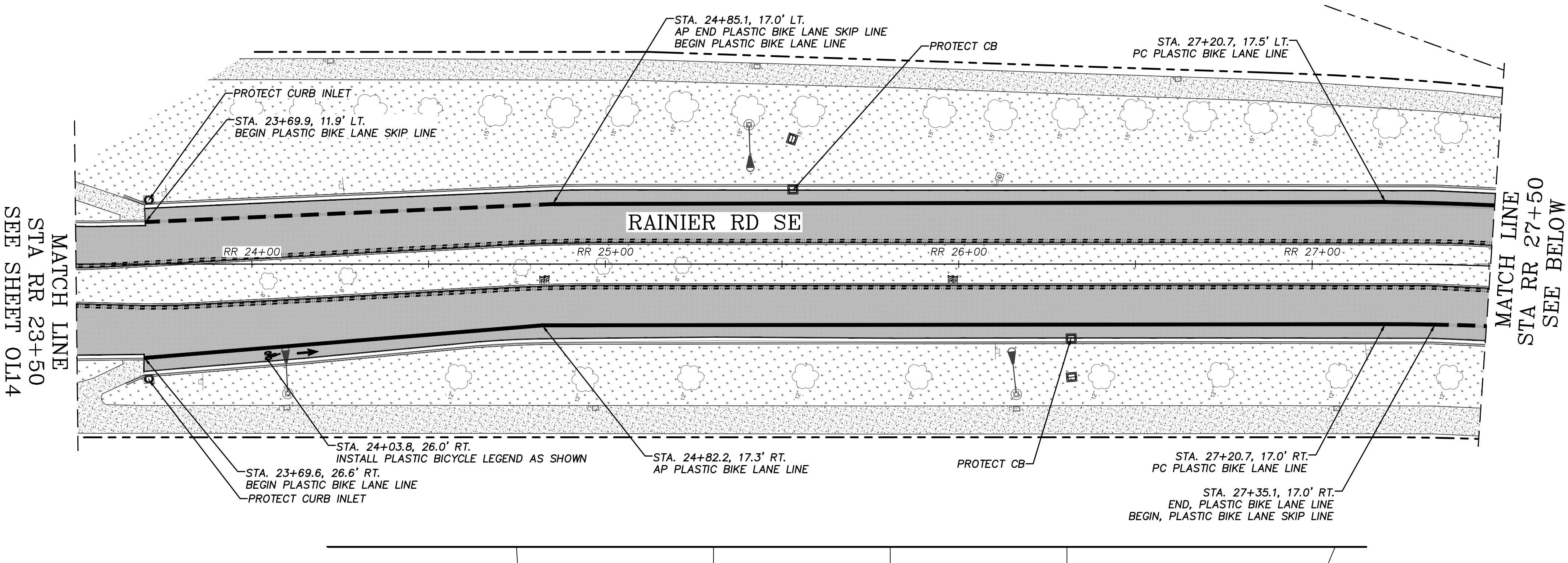
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2023 OVERLAY PHASE 1
OVERLAY PLANS
RAINIER & BALUSTRADSE RAB

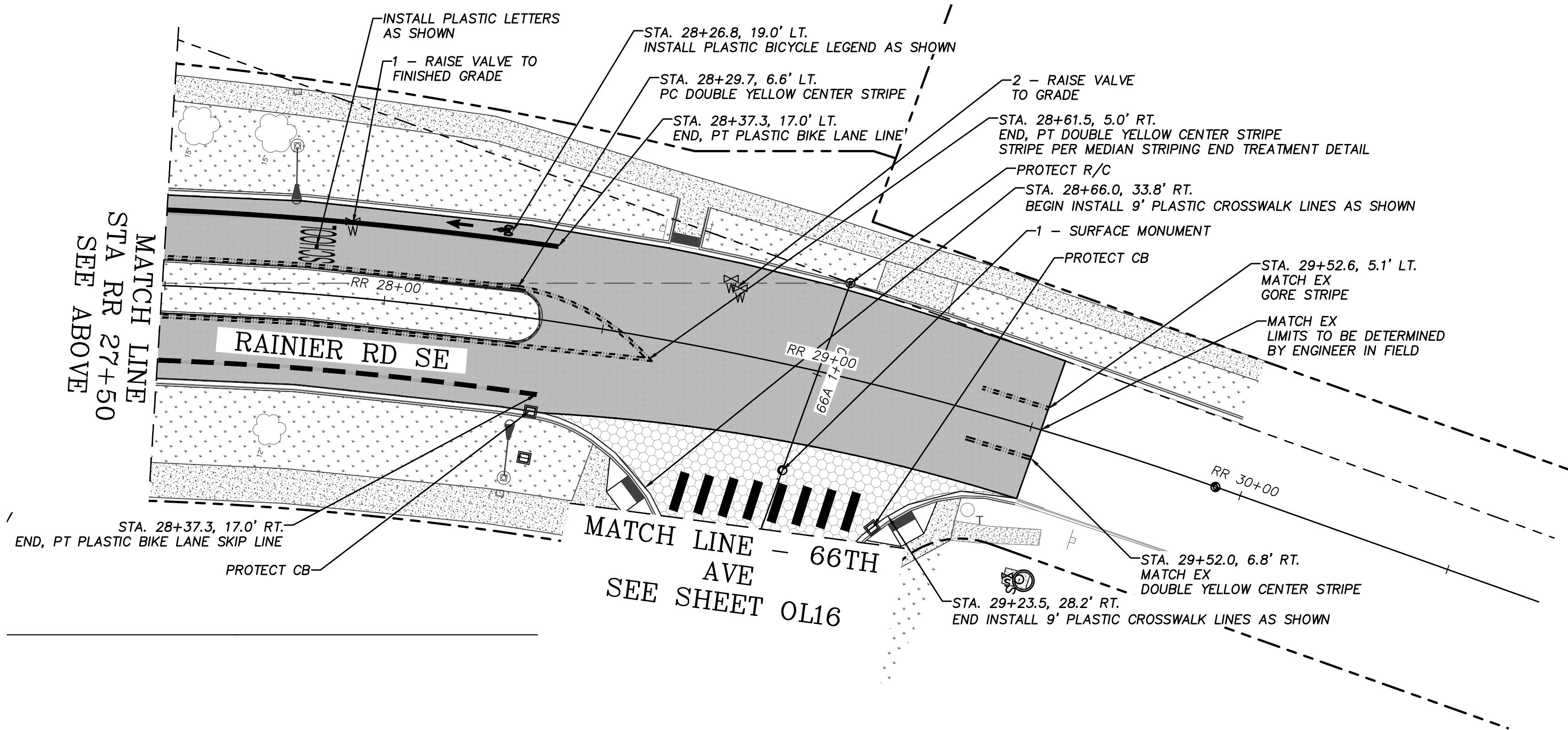
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NO.	DATE	DESCRIPTION

PAGE NO.	SHEET NO.
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DWG NO.	OF
D-23-02	25

SEC. 04, T17N, R1W, W.M.



SCALE: 1"=20 FEET
0 10 20 40
CITY OF LACEY COORDINATE SYSTEM



SCALE: 1"=20 FEET
0 10 20 40
CITY OF LACEY COORDINATE SYSTEM

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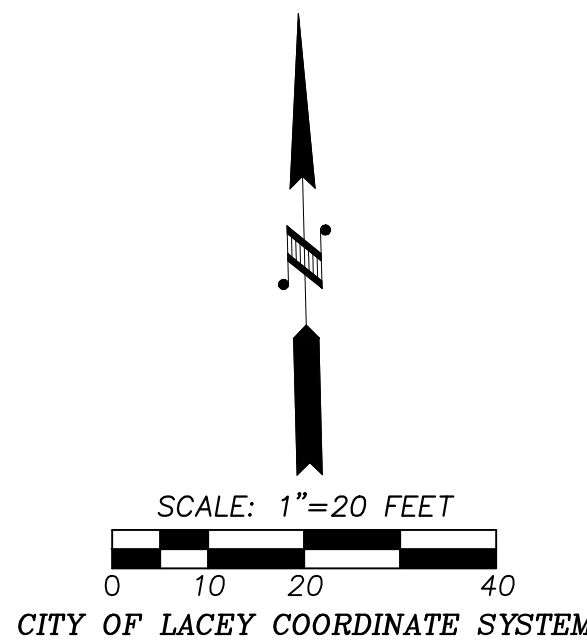
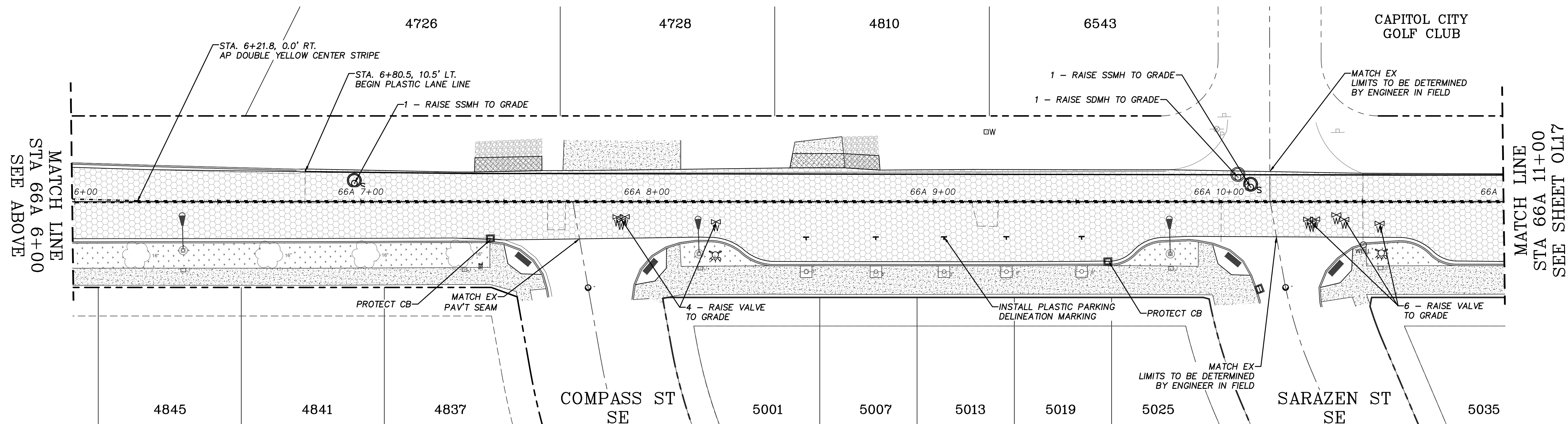
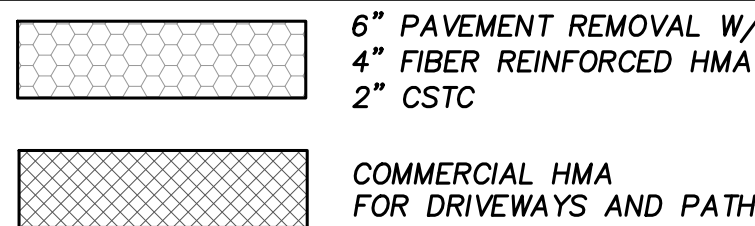
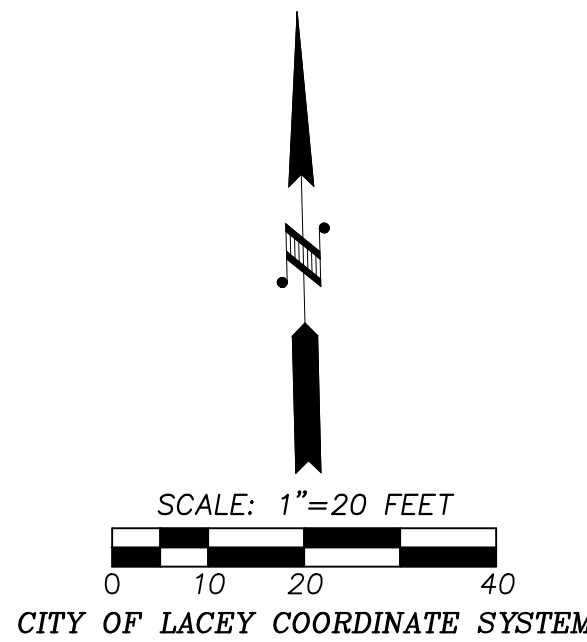
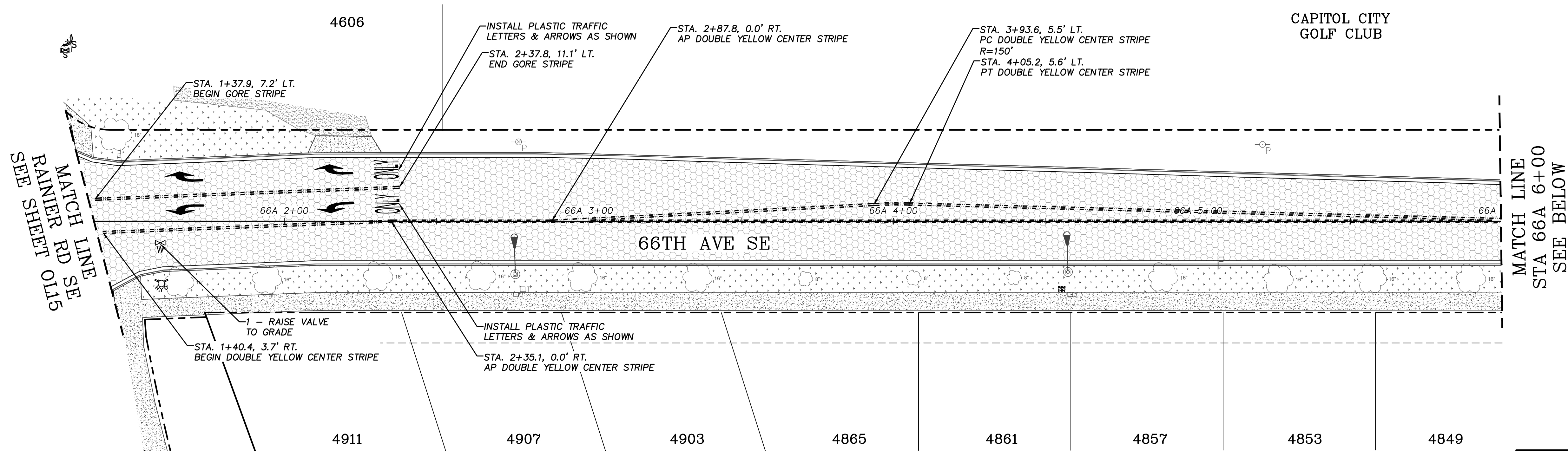
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2023 OVERLAY PHASE 1
OVERLAY PLANS
RAINIER RD 3

REVISION BLOCK		
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PAGE NO.	SHEET NO.
OL14	18
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SEC. 04, T17N, R1W, W.M.



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2023 OVERLAY PHASE 1
OVERLAY PLANS
66TH AVE 1

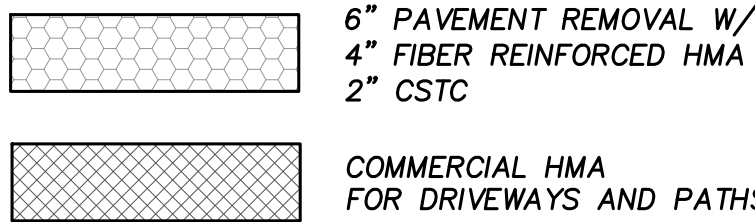
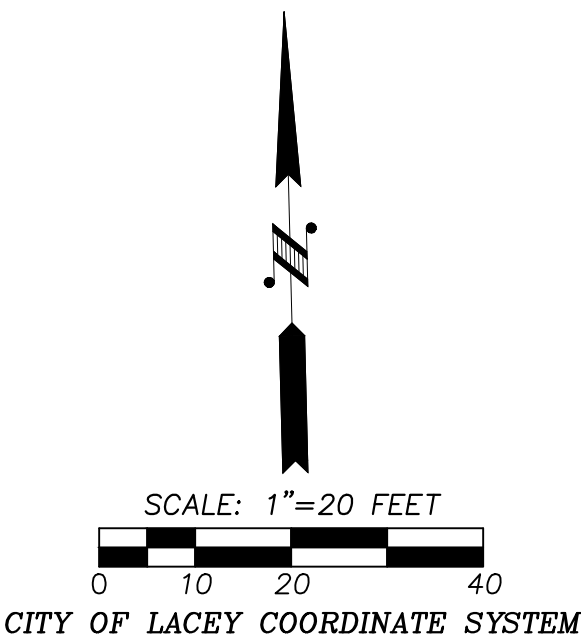
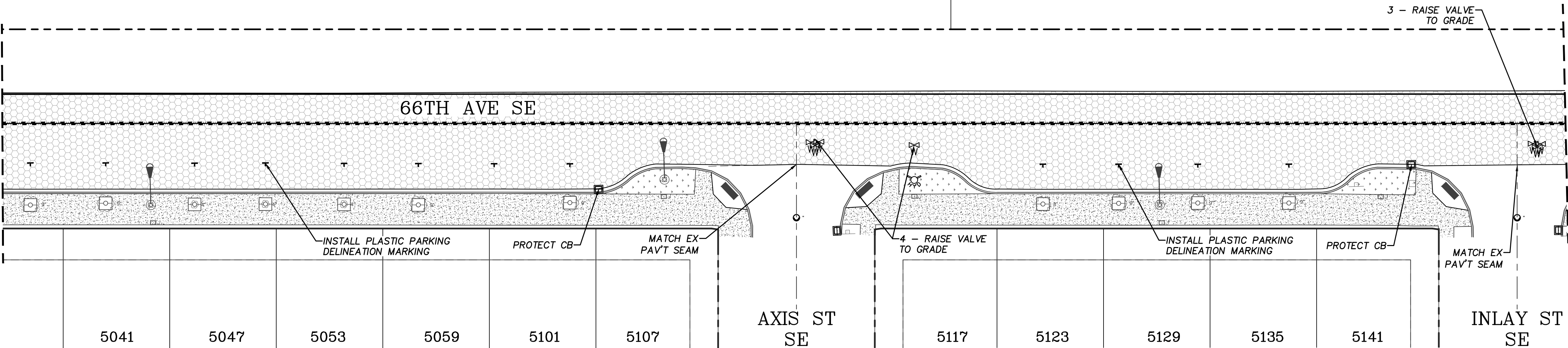
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PAGE NO.	SHEET NO.
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D-23-02	25

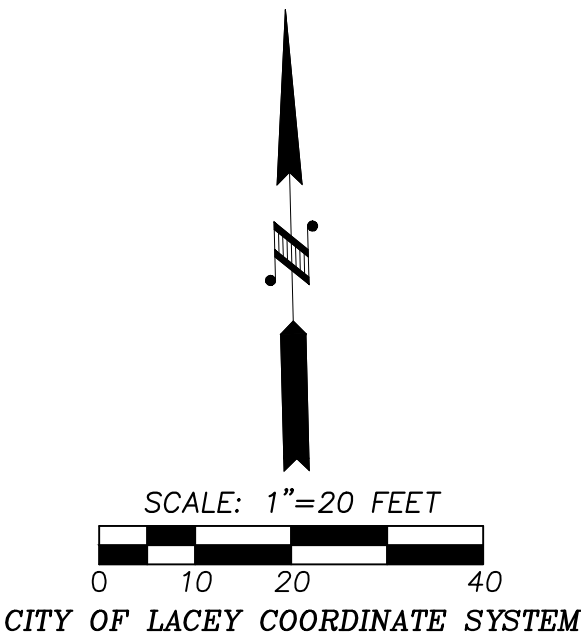
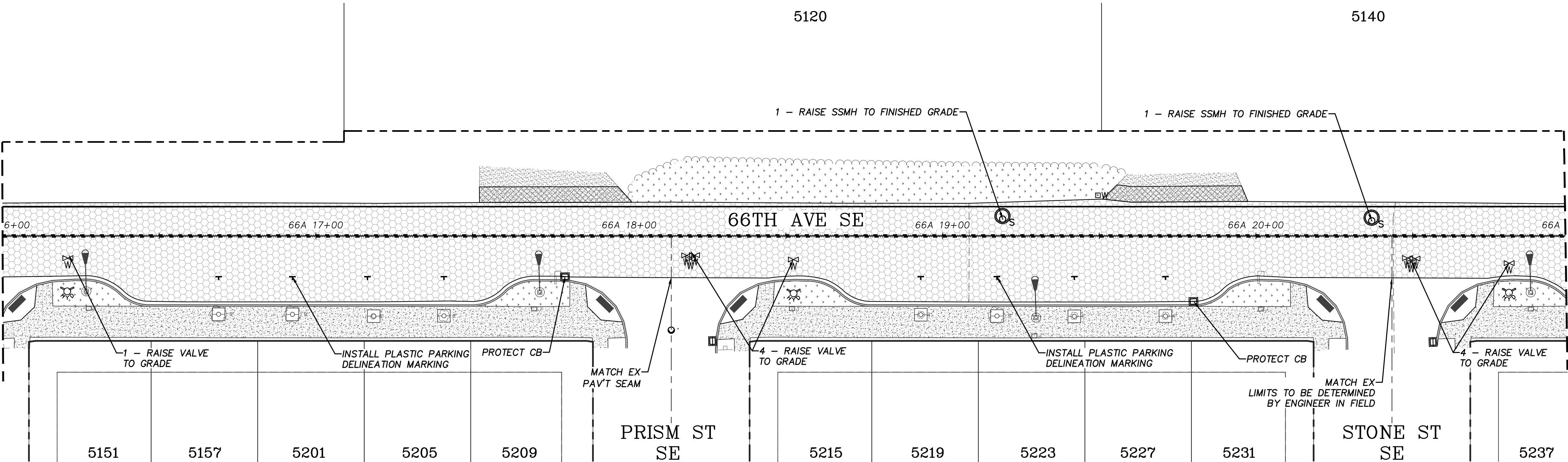
SEC. 04, T17N, R1W, W.M.

CAPITOL CITY
GOLF CLUB

MATCH LINE
STA 66A 11+00
SEE BELOW



MATCH LINE
STA 66A 16+00
SEE ABOVE



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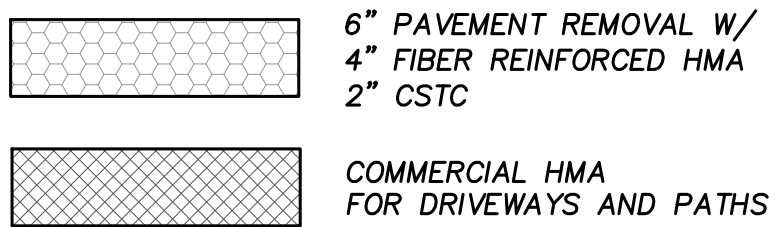
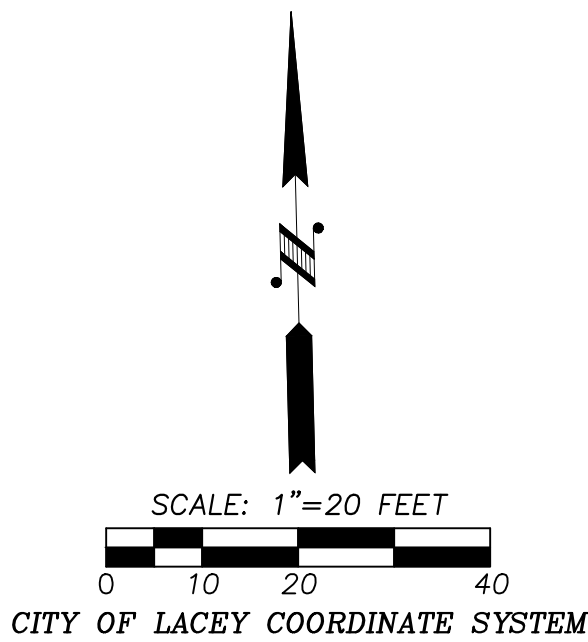
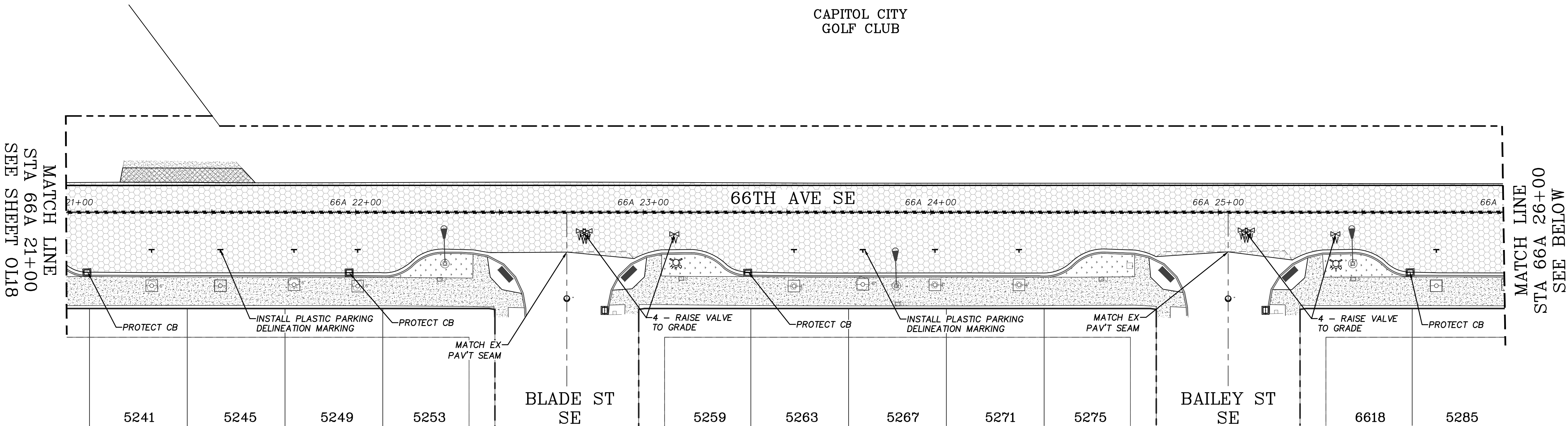
2023 OVERLAY PHASE 1
OVERLAY PLANS
66TH AVE 2

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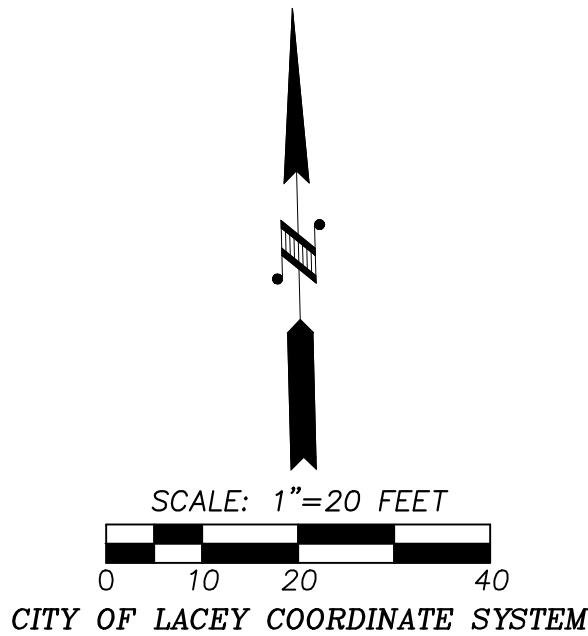
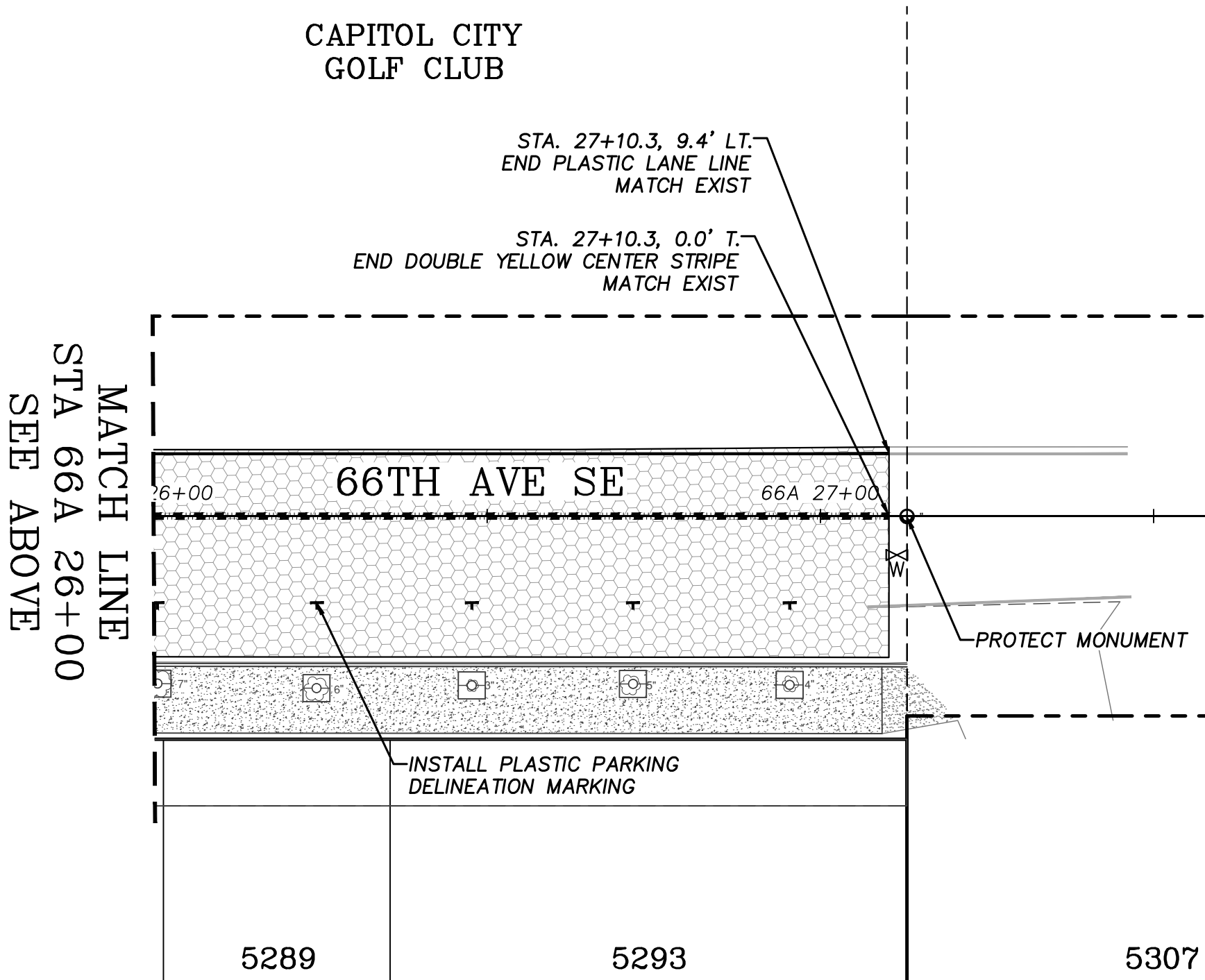
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SEC. 04, T17N, R1W, W.M.

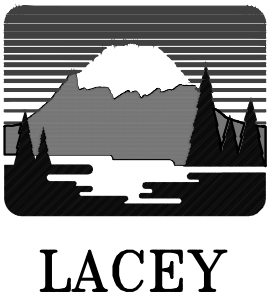
CAPITOL CITY
GOLF CLUB



CAPITOL CITY
GOLF CLUB



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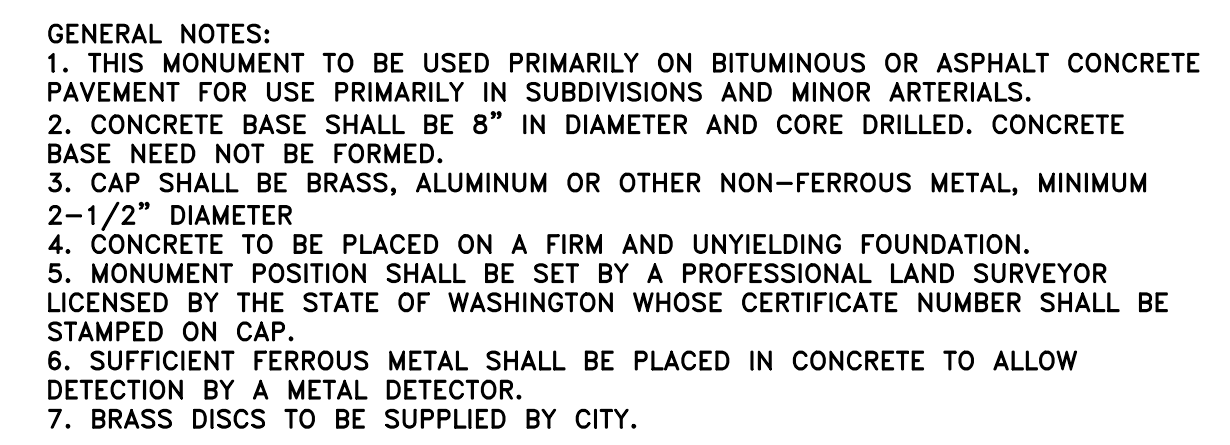


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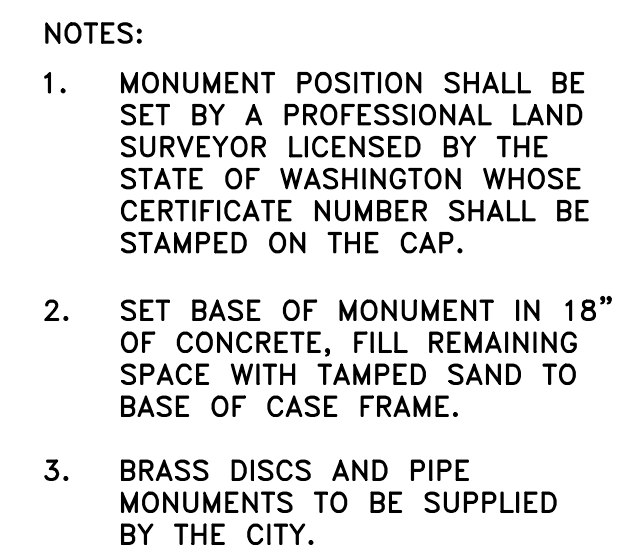
2023 OVERLAY PHASE 1
OVERLAY PLANS
66TH AVE 3

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NO.	DATE	DESCRIPTION

PAGE NO.	SHEET NO.
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DWG NO.	OF
D-23-02	25

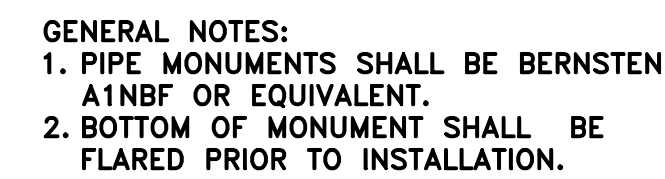


SURFACE MONUMENT
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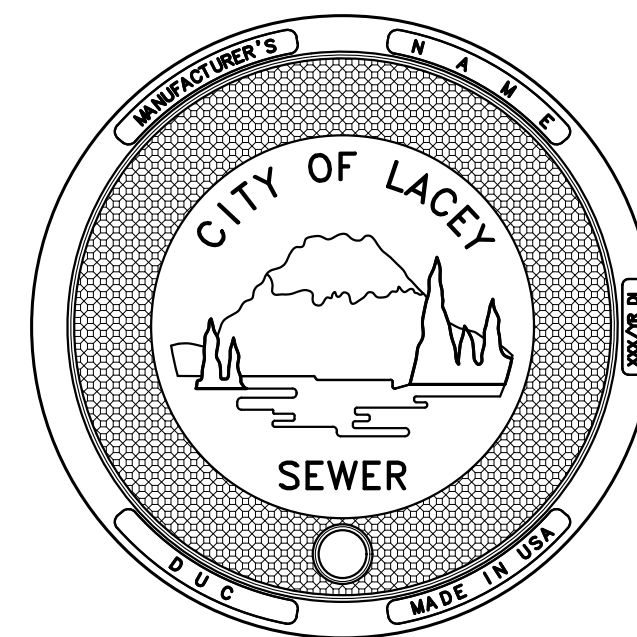
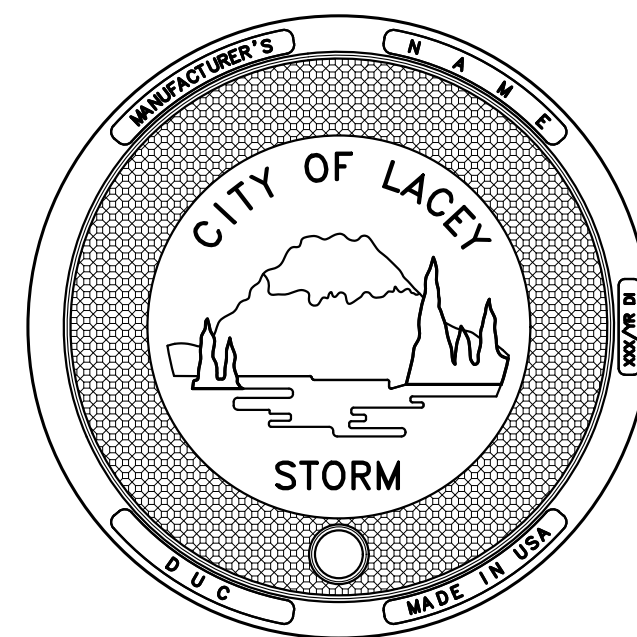
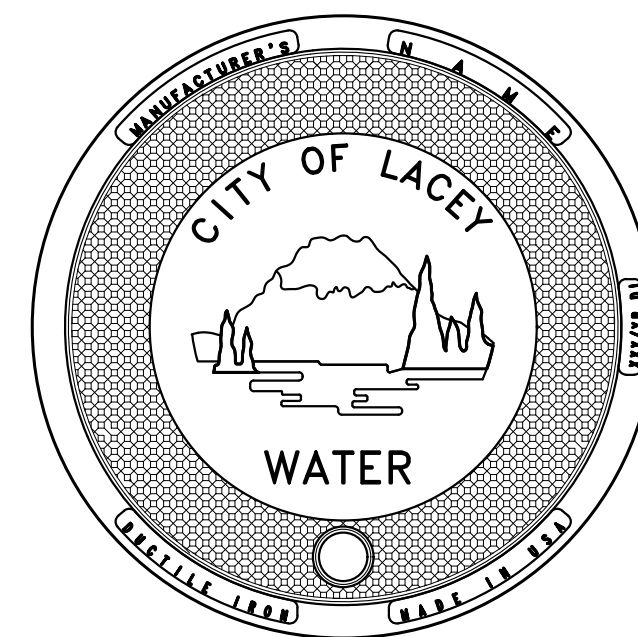
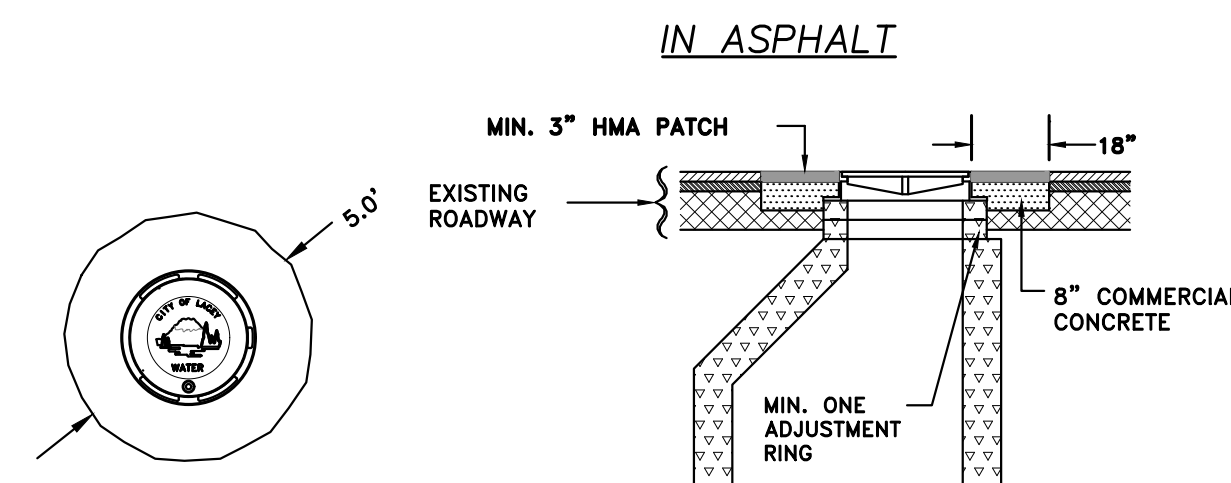
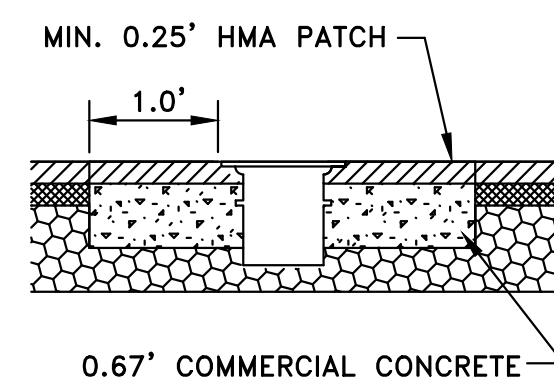


FLARE BOTTOM 3" OF PIPE
PRIOR TO INSTALLATION

MONUMENT WITH CASE AND COVER
N.T.S.



ALUMINUM PIPE MONUMENT
N.T.S.



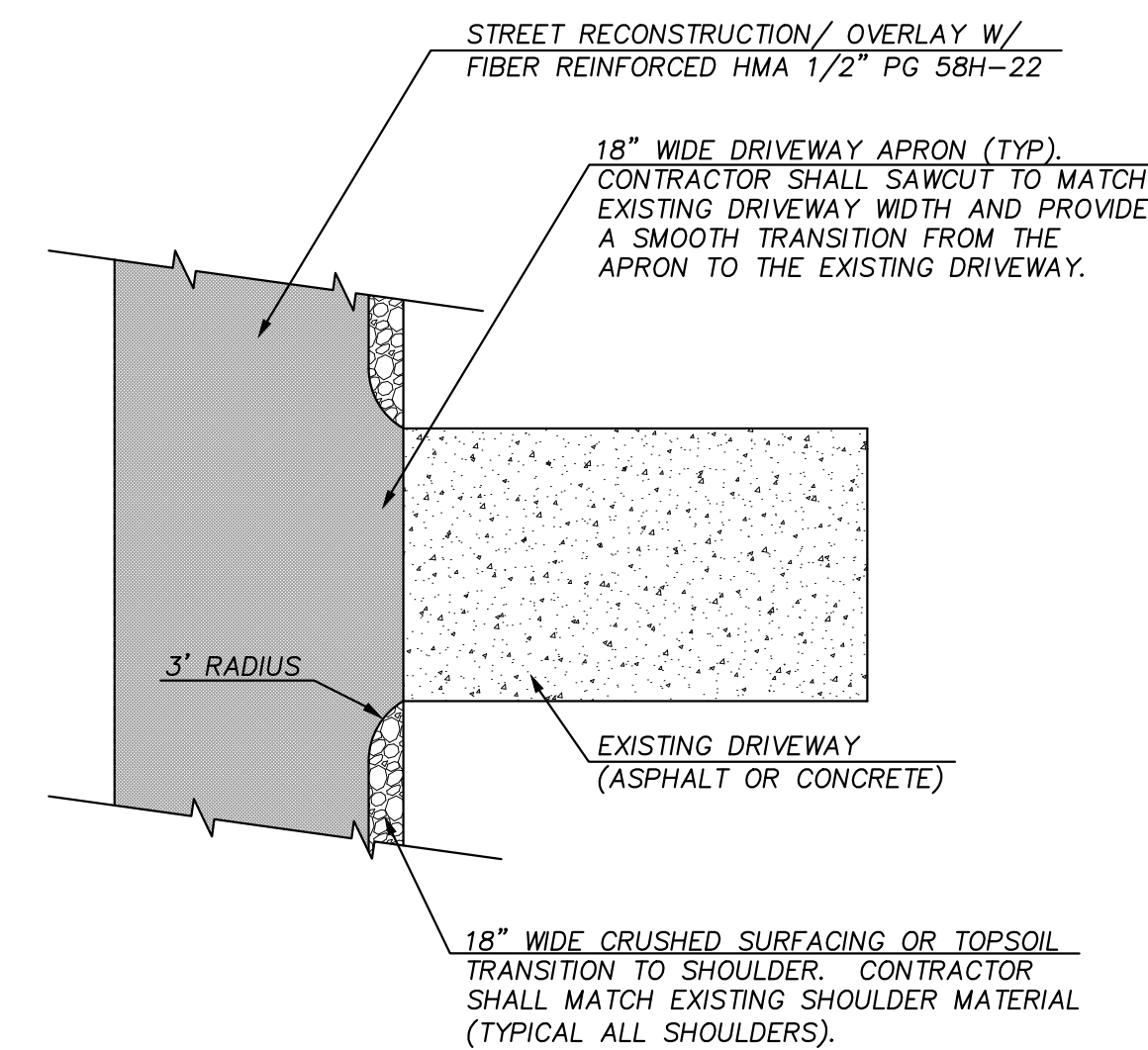
IRON ADJUSTMENTS AND MANHOLE LOGO LIDS
N.T.S.

GENERAL NOTES:

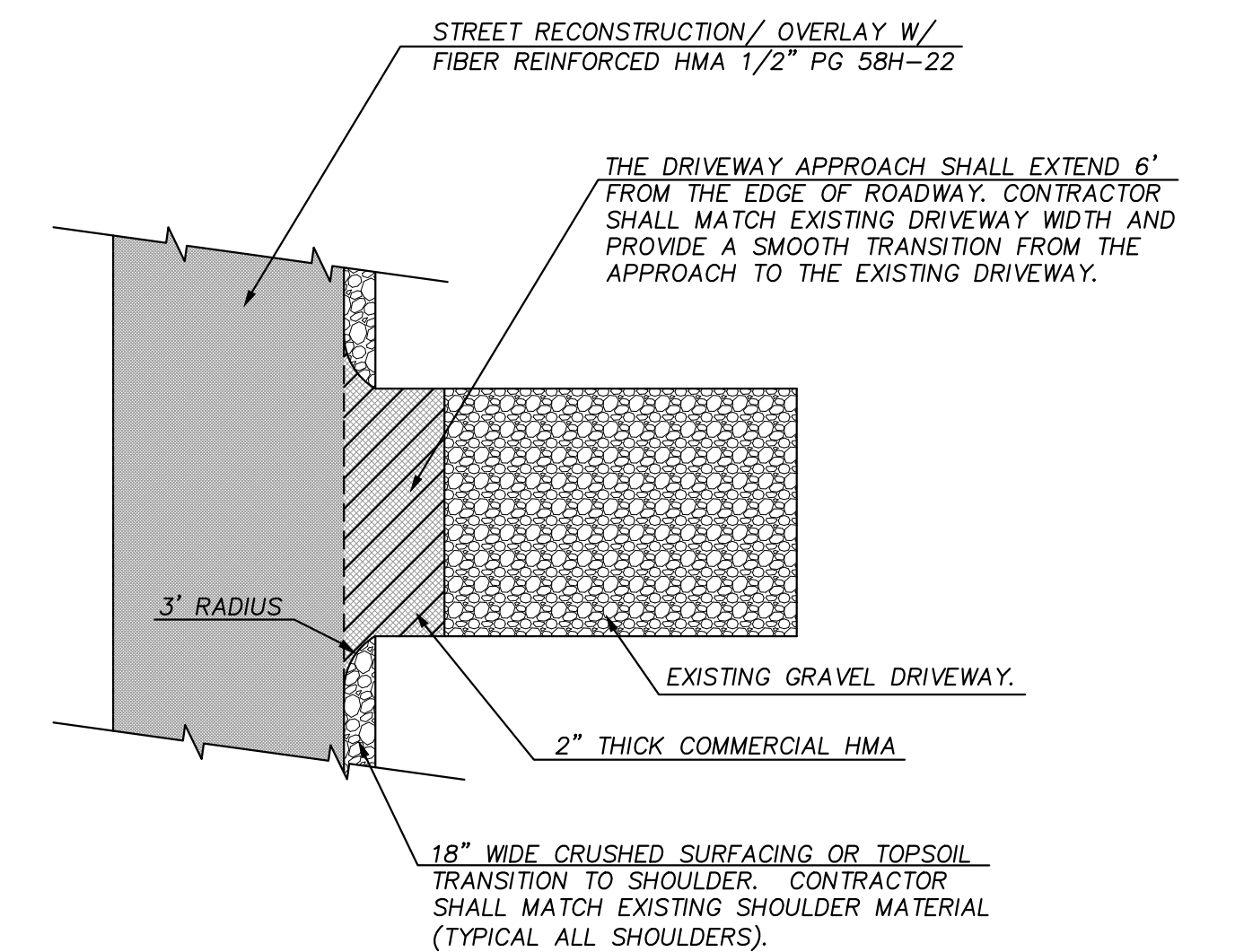
1. ON MANHOLES OUTSIDE OF THE ASPHALT ADD REINFORCING STEEL AS SHOWN ABOVE, DEFORMED BAR TO MEET ASTM A615 GRADE 60 FY=60,000 P.S.I.
2. ALL WATER MANHOLE LIDS SHALL BE EAST JORDAN IRON WORKS OR OLYMPIC FOUNDRY WSDOT STYLE #MH-41 CITY OF LACEY LOGO LIDS.
3. ALL LIDS SHALL BE DUCTILE IRON AND MANUFACTURED IN THE USA.

NOTE: THE CONTRACTOR SHALL PREPARE DRIVEWAY TRANSITIONS FOR HMA PRIOR TO PLACEMENT.
* DRIVEWAY APRONS WILL NOT BE REQUIRED IN AREAS WHERE WEDGE CURB PREVIOUSLY EXISTS, AND IS TO REMAIN IN PLACE.

NOTE: THE CONTRACTOR SHALL PREPARE DRIVEWAY TRANSITIONS FOR HMA PRIOR TO PLACEMENT.
* DRIVEWAY APRONS WILL NOT BE REQUIRED IN AREAS WHERE WEDGE CURB PREVIOUSLY EXISTS, AND IS TO REMAIN IN PLACE.



DRIVEWAY APRON & SHOULDER DETAIL
FOR PAVED DRIVEWAYS
N.T.S.



DRIVEWAY APPROACH & SHOULDER DETAIL
FOR GRAVEL DRIVEWAYS
N.T.S.

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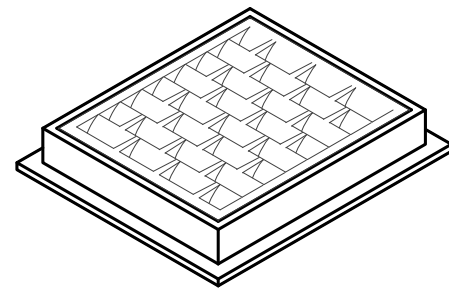


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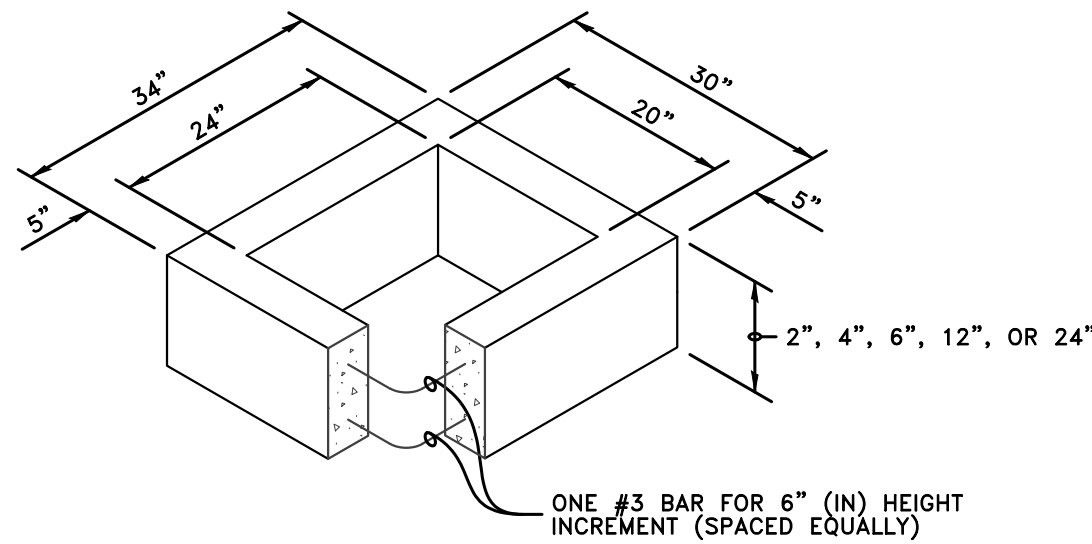
2023 OVERLAY PHASE 1

CONSTRUCTION DETAILS 1

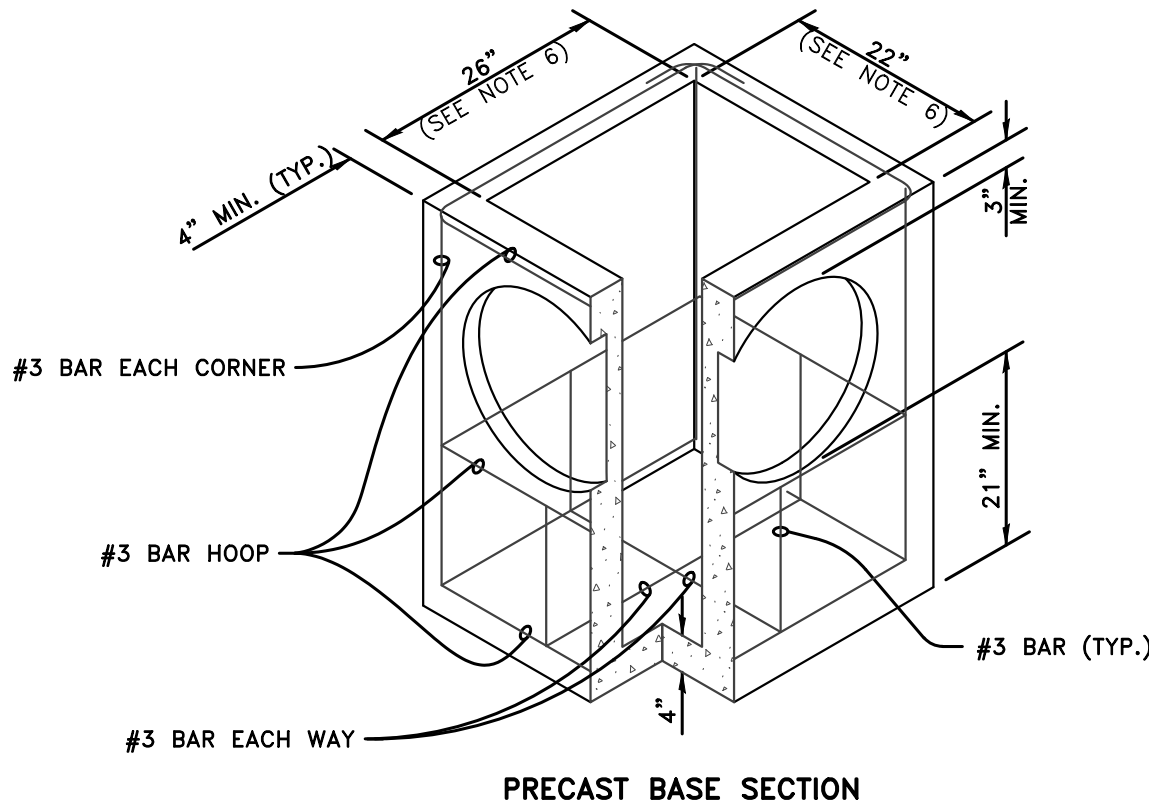
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NO.	DATE	DESCRIPTION	DT1	22
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			D-23-02	25



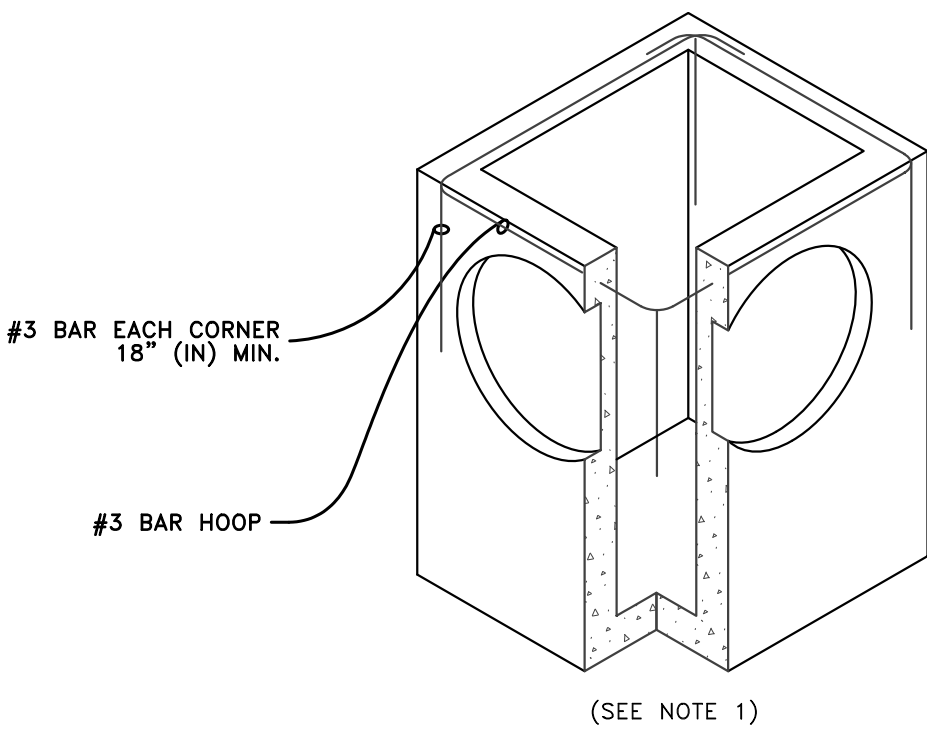
FRAME AND VANED GRATE



RECTANGULAR ADJUSTMENT SECTION



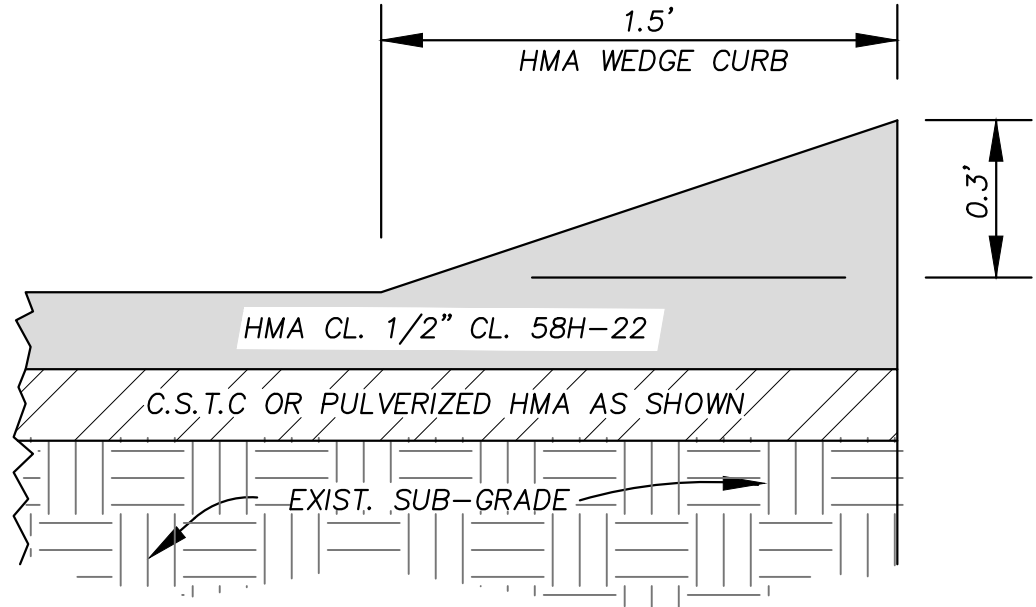
PRECAST BASE SECTION



ALTERNATIVE PRECAST BASE SECTION

NOTES

1. As acceptable alternatives to the rebar shown in the **PRECAST BASE SECTION**, fibers (placed according to the Standard Specifications), or wire mesh having a minimum area of 0.12 square inches per foot shall be used with the minimum required rebar shown in the **ALTERNATIVE PRECAST BASE SECTION**. Wire mesh shall not be placed in the knockouts.
2. The knockout diameter shall not be greater than 20" (in). Knockouts shall have a wall thickness of 2" (in) minimum to 2.5" (in) maximum. Provide a 1.5" (in) minimum gap between the knockout wall and the outside of the pipe. After the pipe is installed, fill the gap with joint mortar in accordance with **Standard Specification Section 9-04.3**.
3. The maximum depth from the finished grade to the lowest pipe invert shall be 5' (ft).
4. The frame and grate may be installed with the flange down, or integrally cast into the adjustment section with flange up.
5. The Precast Base Section may have a rounded floor, and the walls may be sloped at a rate of 1 : 24 or steeper.
6. The opening shall be measured at the top of the **Precast Base Section**.
7. All pickup holes shall be grouted full after the basin has been placed.



HMA WEDGE CURB DETAIL
N.T.S.

PIPE ALLOWANCES	
PIPE MATERIAL	MAXIMUM INSIDE DIAMETER (INCHES)
REINFORCED OR PLAIN CONCRETE	12"
ALL METAL PIPE	15"
CPSSP* (STD. SPEC. SECT. 9-05.20)	12"
SOLID WALL PVC (STD. SPEC. SECT. 9-05.12(1))	15"
PROFILE WALL PVC (STD. SPEC. SECT. 9-05.12(2))	15"

*CORRUGATED POLYETHYLENE STORM SEWER PIPE

CATCH BASIN TYPE 1
N.T.S.

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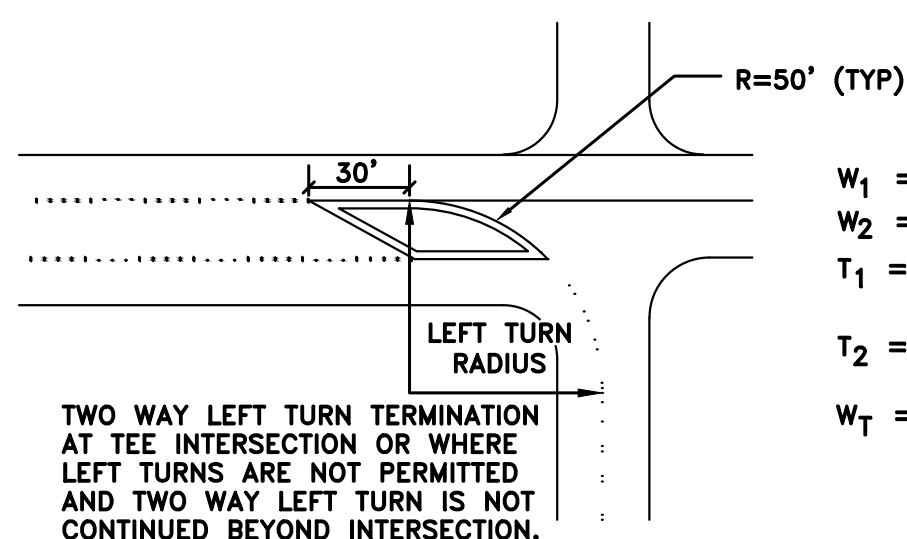
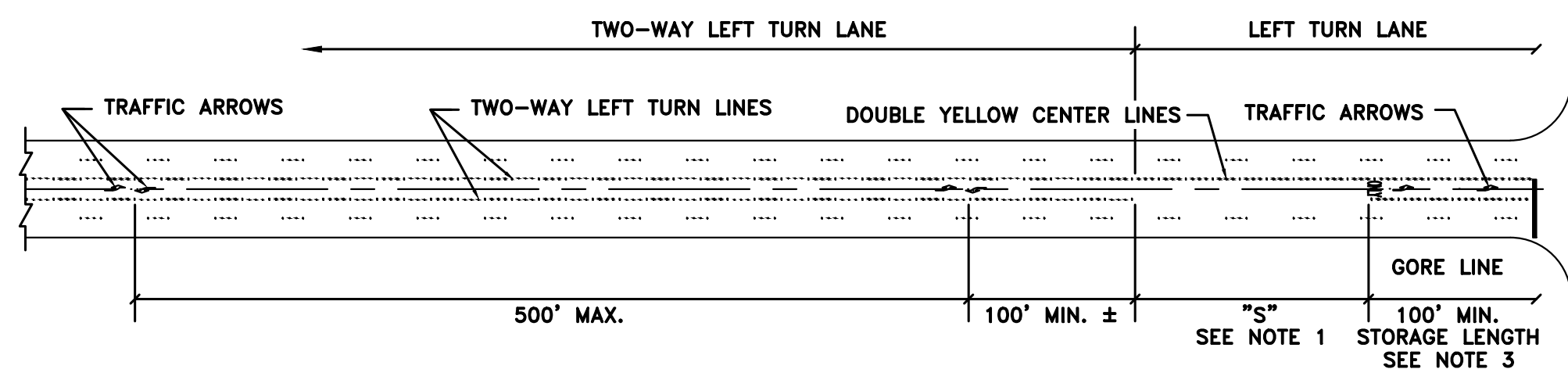


DESIGNED: BP
DRAFTED: BP
CHECKED: JK
HORZ. SCALE: N.T.S.
VERT. SCALE: N/A
FILE: DCON

2023 OVERLAY PHASE 1
CONSTRUCTION DETAILS 2

REVISION BLOCK		
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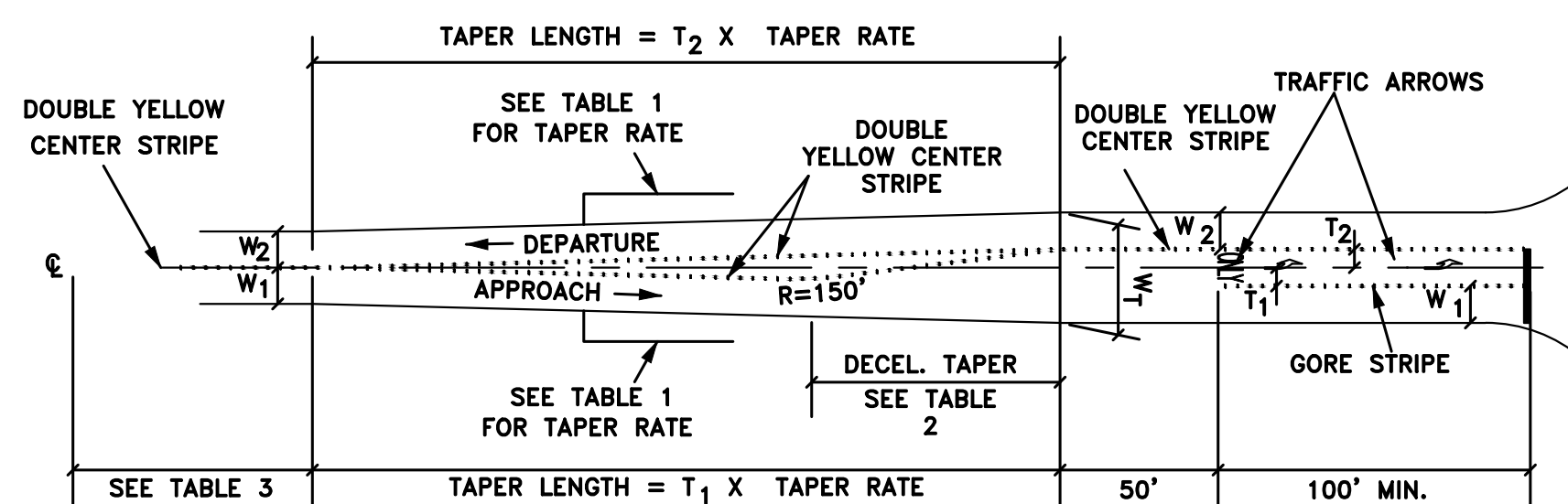
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W_1 = APPROACHING THROUGH LANE
 W_2 = DEPARTING LANE
 T_1 = WIDTH OF LEFT TURN LANE ON APPROACH SIDE OF ϵ
 T_2 = WIDTH OF LEFT TURN LANE ON DEPARTURE SIDE OF ϵ
 W_T = TOTAL WIDTH OF CHANNELIZATION ($W_1 + W_2 + T_1 + T_2$)

TABLE 1		TABLE 2	
POSTED SPEED	TAPER RATE	POSTED SPEED	DECEL. TAPER LENGTH
55 MPH	55:1	55 MPH	165'
50 MPH	50:1	50 MPH	150'
45 MPH	45:1	45 MPH	135'
40 MPH	40:1	40 MPH	120'
35 MPH	35:1	35 MPH	105'
30 MPH	30:1	30 MPH	90'
25 MPH	25:1	25 MPH	75'

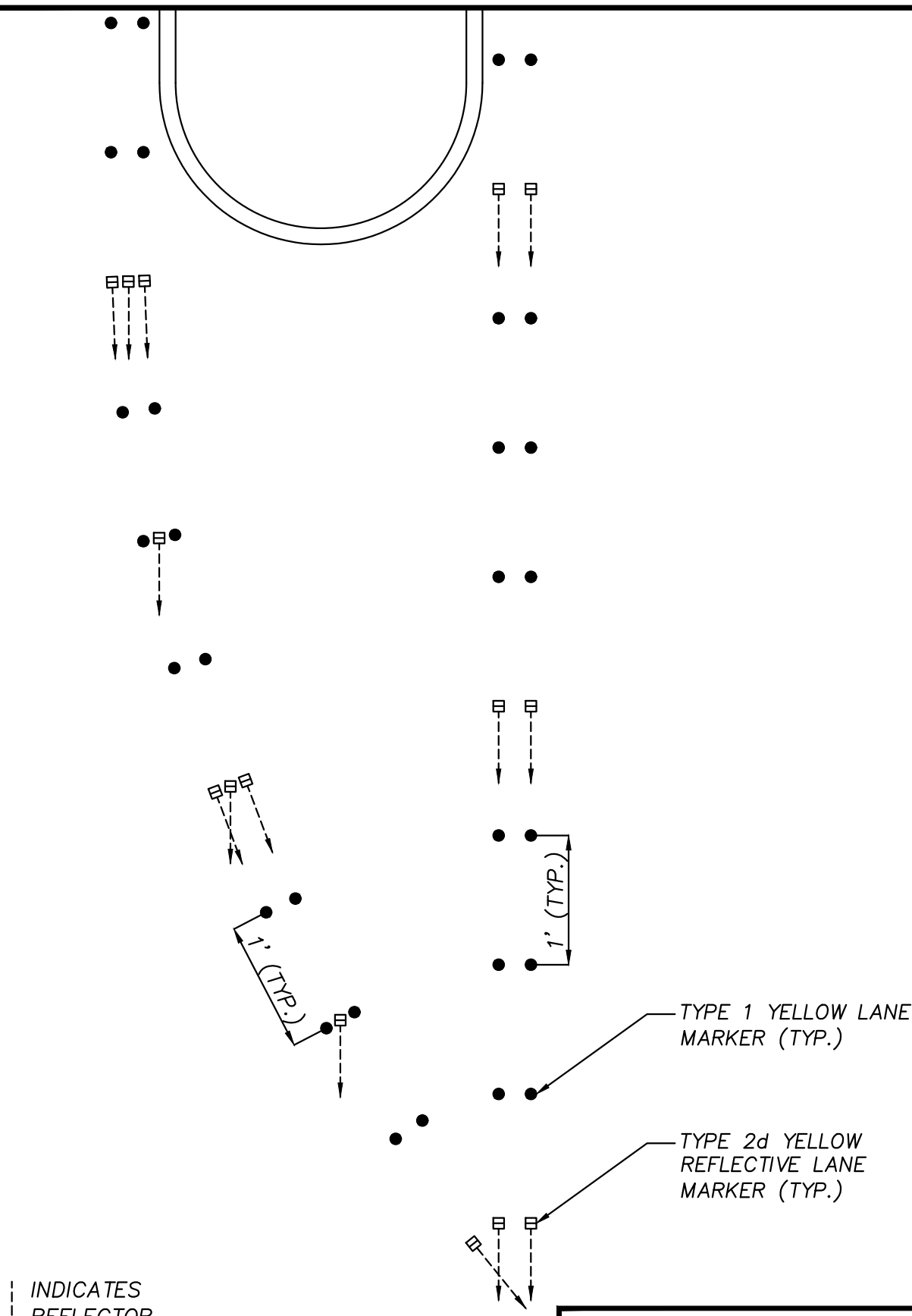
END TWO-WAY LEFT TURN LANE



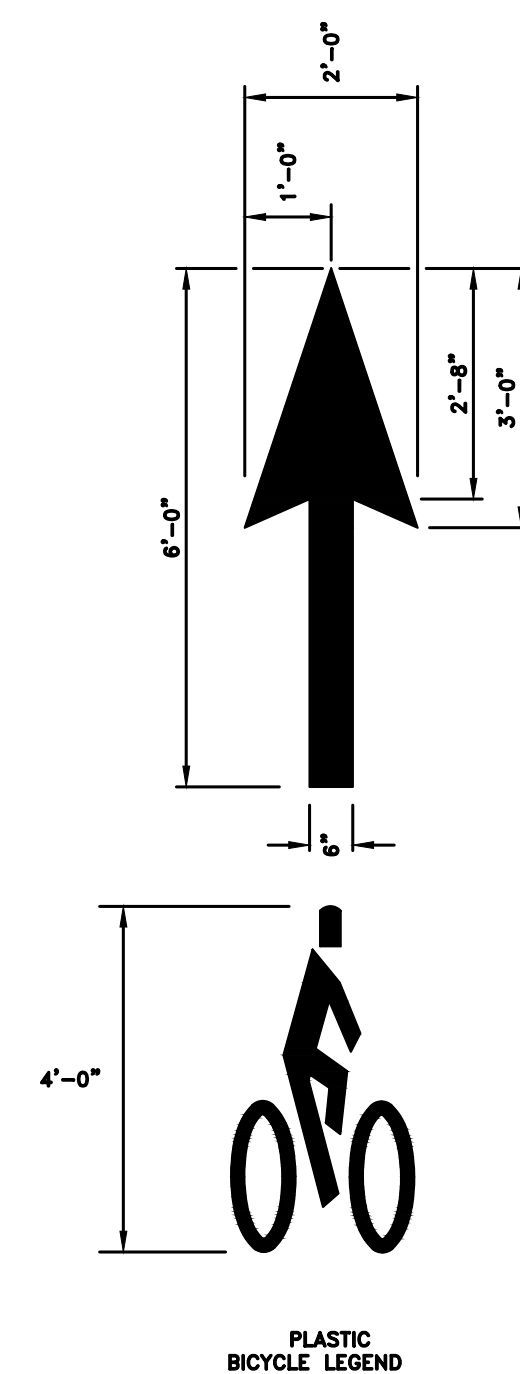
NOTES:

- "S" = 80' FOR POSTED SPEED \leq 30 M.P.H.
 "S" = 120' FOR POSTED SPEED 35-50 M.P.H.
 "S" = 170' FOR POSTED SPEED $>$ 50 M.P.H.
- SEE DETAIL 4-28.1 FOR STRIPING SPECIFICATIONS.
- USE DESIGN LENGTH DETERMINED BY THE T.I.A.

LEFT TURN LANE PAVEMENT MARKINGS

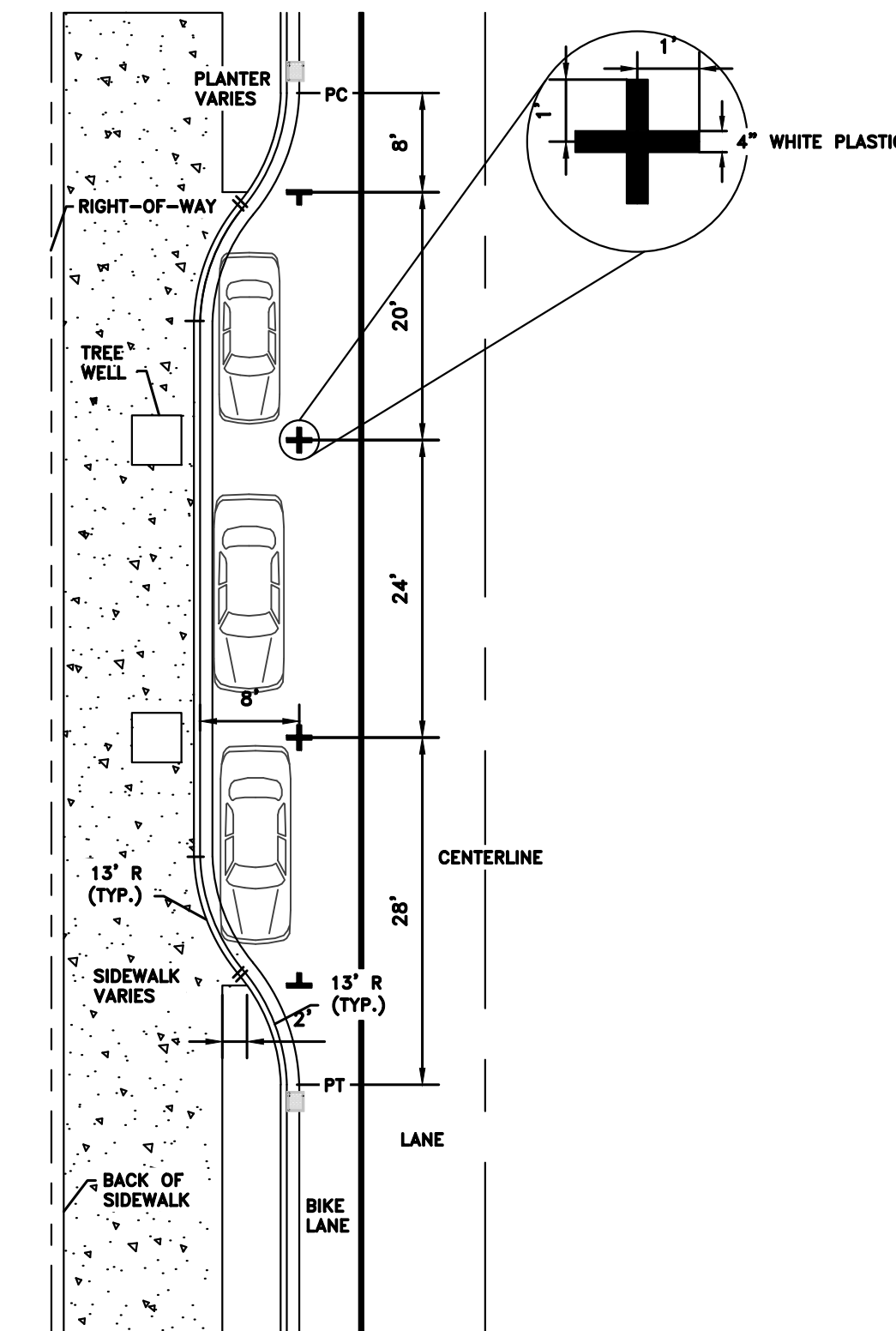


MEDIAN STRIPING END TREATMENT



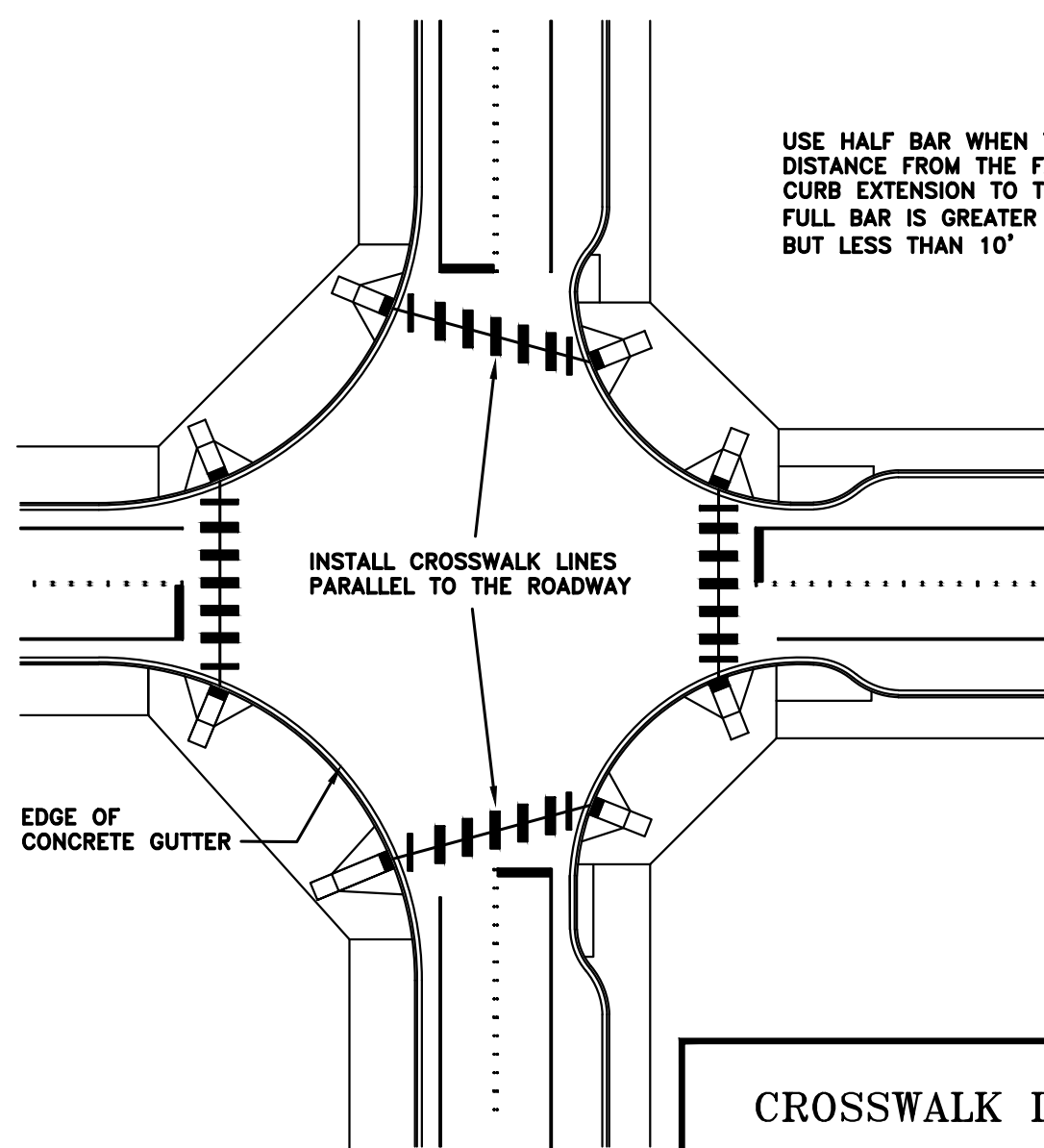
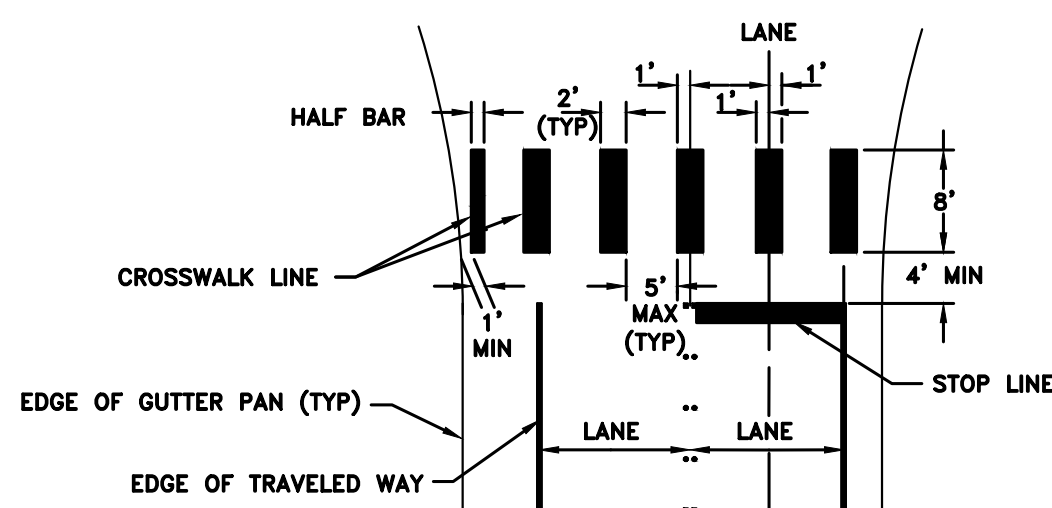
- GENERAL NOTES:
- THE MATERIALS USED FOR ALL STOP LINES, CROSSWALKS, ARROWS, PARKING DELINEATION LINES, LETTERS, LEGENDS, AND SYMBOLS SHALL BE PREMARK OR HOT TAPE PREFORMED THERMOPLASTIC 125 MIL THICKNESS.
 - THE PLASTIC MATERIAL USED TO FORM ALL LONG LINE PAVEMENT MARKINGS SHALL BE PAVE-MARK OR NORLINE THERMOPLASTIC.
 - ALL MARKINGS SHALL MEET FEDERAL METRIC STANDARDS.

BICYCLE LANE PAVEMENT MARKINGS

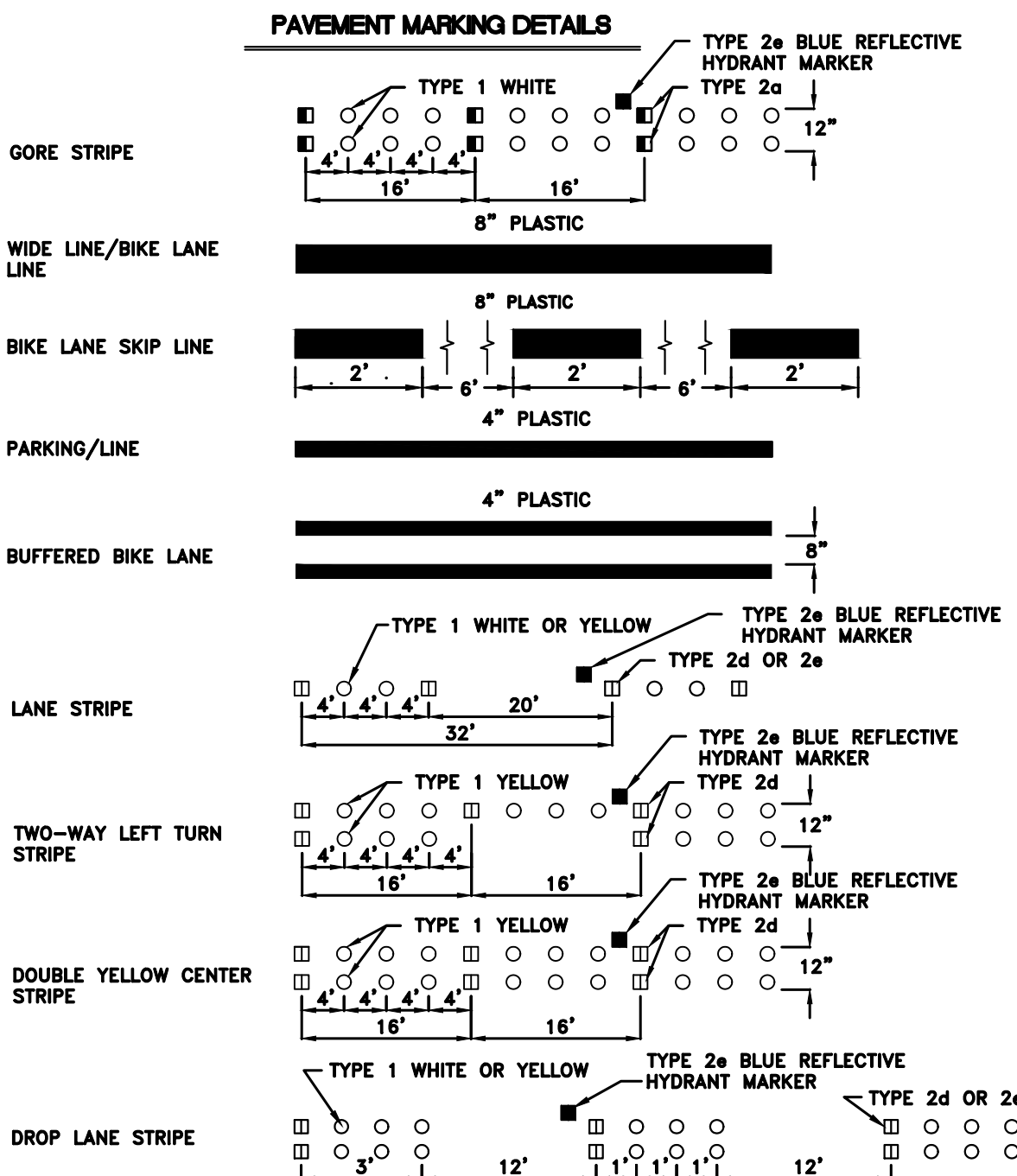


- GENERAL NOTES:
- CATCH BASINS ARE NOT PERMITTED IN PARKING AREAS. BULB-OUT AS SHOWN IN DETAIL 4-4.5.
 - BULB-OUT PARKING SHALL BE DELINEATED BY STRIPING AS SHOWN.
 - PARKING AREAS SHALL BE DESIGNED TO MEET THE REQUIREMENTS OF RCW 46.61.570.

BULB-OUT PARKING FOR COLLECTOR

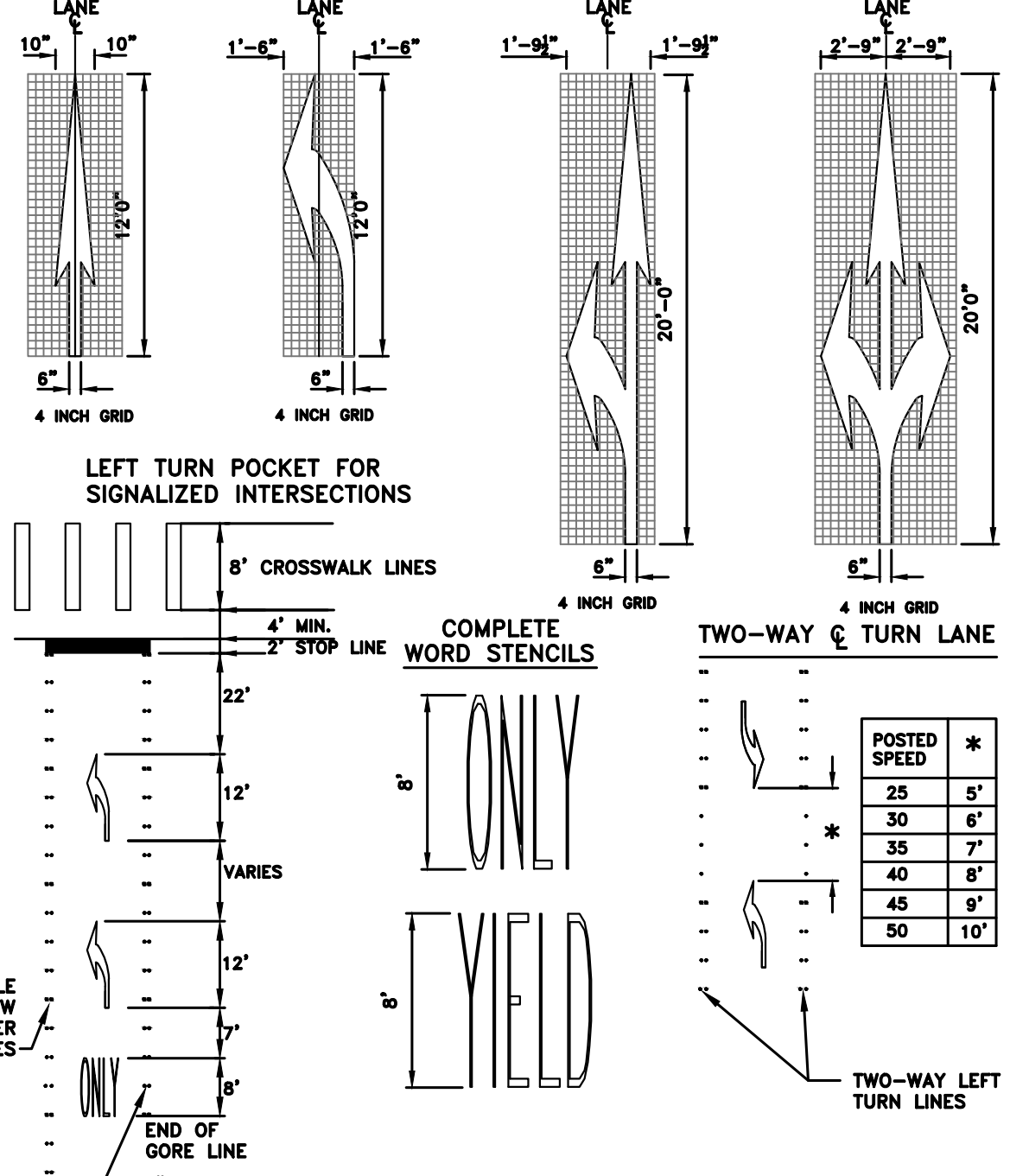


CROSSWALK DETAIL



- LANE MARKERS
- TYPE 1 LANE MARKERS, WHITE OR YELLOW
 - TYPE 2a REFLECTIVE LANE MARKER, WHITE AND RED
 - TYPE 2d REFLECTIVE LANE MARKER, YELLOW AND YELLOW
 - TYPE 2a REFLECTIVE LANE MARKER, WHITE ONE SIDE ONLY
 - TYPE 2a TWO WAY BLUE REFLECTIVE HYDRANT MARKER INSTALLED 8" ON CENTER FROM THE CENTER OF THE ROADWAY.

STRIPING DETAIL



- GENERAL NOTES:
- THE MATERIALS USED FOR ALL STOP LINES, CROSSWALKS, ARROWS, PARKING DELINEATION LINES, LETTERS, LEGENDS, AND SYMBOLS SHALL BE PREMARK OR HOT TAPE PREFORMED THERMOPLASTIC 125 MIL THICKNESS.
 - THE PLASTIC MATERIAL USED TO FORM ALL LONG LINE PAVEMENT MARKINGS SHALL BE PAVE-MARK OR NORLINE THERMOPLASTIC, HYDROCARBON FORMULATION 125 MIL THICKNESS MARKING MATERIAL.
 - ALL MARKINGS SHALL MEET FEDERAL METRIC STANDARDS.

PAVEMENT MARKINGS

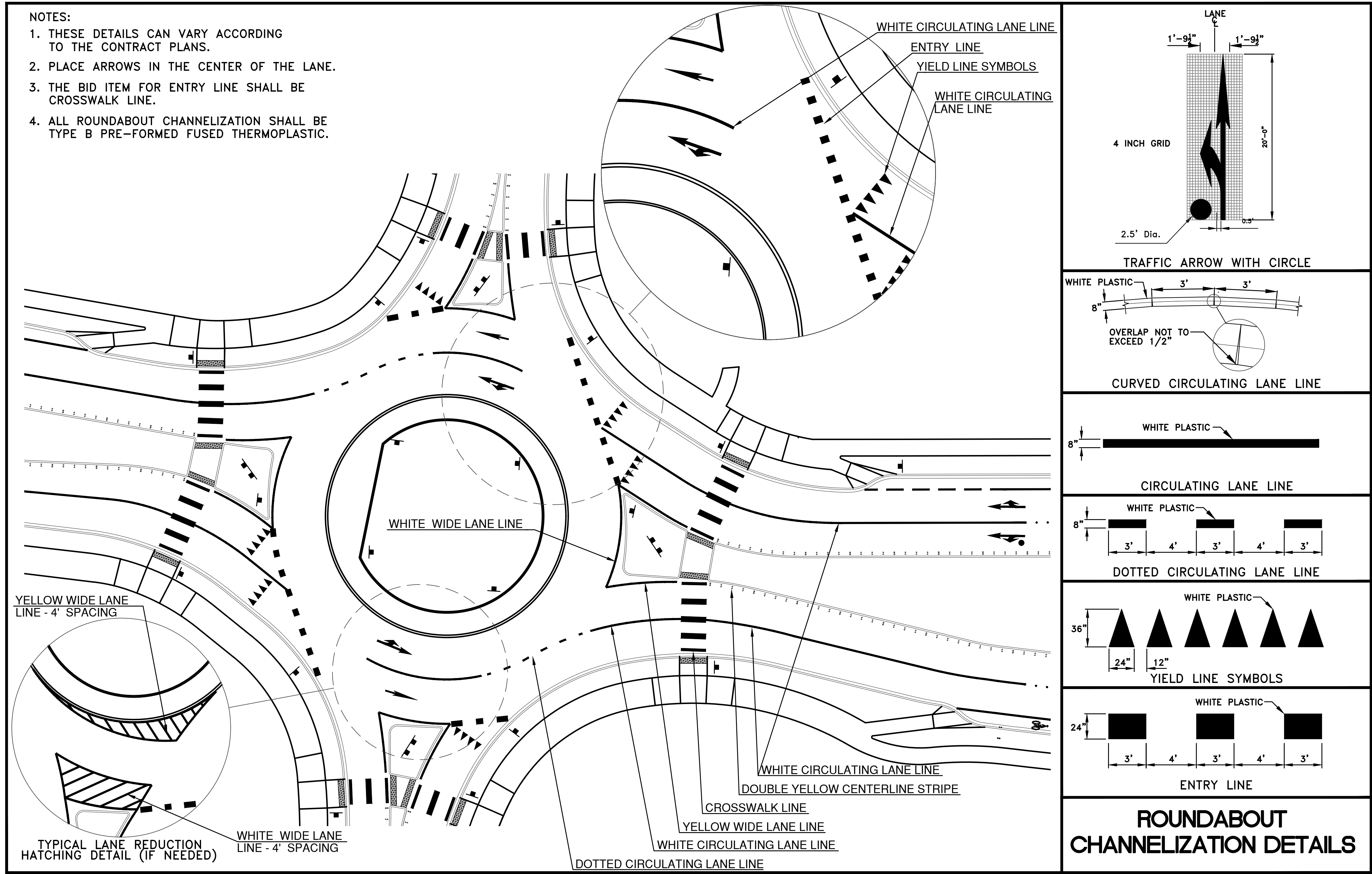
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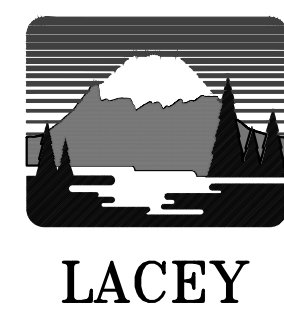
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 CHECKED: JK
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 VERT. SCALE: N/A
 FILE: DTCAN

2023 OVERLAY PHASE 1
 CHANNELIZATION DETAILS 1

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DESIGNED: BP
DRAFTED: BP
CHECKED: JK
HORZ. SCALE: N/A
VERT. SCALE: N/A
FILE: DTCHAN

2023 OVERLAY PHASE 1 CHANNELIZATION DETAILS 2

REVISION BLOCK		
NO.	DATE	DESCRIPTION

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