# CIVIL IMPROVEMENT PLANS CITY OF SPARKS REGIONAL TRAIL RETAINING WALL REPLACEMENT AND UPGRADES

SPARKS, WASHOE COUNTY, NEVADA



# OWNER/DEVELOPER

CITY OF SPARKS 431 PRATER WAY SPARKS, NEVADA 89432 (775) 353-7809 PROJECT CONTACT: JON ERICSON, P.E., P.T.O.E.

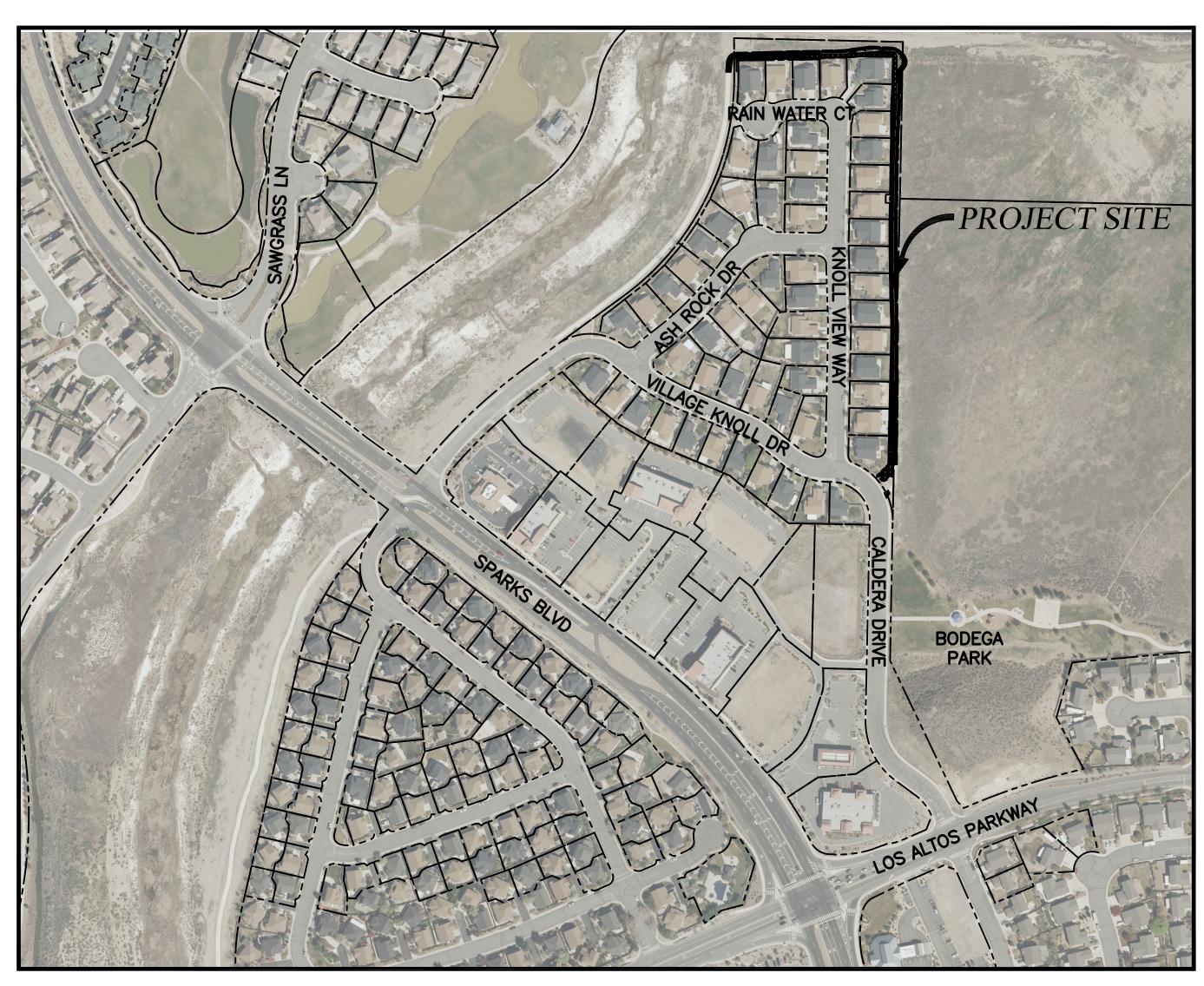
(775) 353-7809

# LIST

	(775) 353	
<b>O</b> F	ABBI	REVIATION
A.C. A.P.		ASPHALTIC CONCRETE ANGLE POINT
B.C.		BEGIN CURVE
B.F.C.		BACK FACE CURB
B.V.C.	••••••	BEGIN VERTICAL CURVE
B.S.	••••••	BACK OF SIDEWALK
B.W. C.B.	••••••	BOTTOM OF WALL
	000000000000000000000000000000000000000	CATCH BASIN CENTERLINE
С СН		CHORD
C.M.P.	000000000000000000000000000000000000000	CORRUGATED METAL PIPE
CONC.		CONCRETE
CONST.		CONSTRUCT
C.P. D.I.	000000000000000000000000000000000000000	CONCRETE PIPE DROP INLET
DET.		DETAILS
D.W.	000000000000000000000000000000000000000	DEWATERING OR DRIVEWAY (PER PLAN)
E		EAST
ELEV.	000000000000000000000000000000000000000	ELEVATION
E.C.	000000000000000000000000000000000000000	END OF CURVE
E.V.C. EXIST.	000000000000000000000000000000000000000	END VERTICAL CURVE EXISTING
E.G.		EXISTING GRADE
F.F.		FRONT FACE
F.F.C.		FRONT FACE CURB
F.G.	000000000000000000000000000000000000000	FINISH GRADE
F.H. E	000000000000000000000000000000000000000	FIRE HYDRANT FLOW LINE
F.V.A.	••••••	FLUSH VALVE ASSEMBLY
G	000000000000000000000000000000000000000	GAS
G.V.	000000000000000000000000000000000000000	GATE VALVE
G.B.		GRADE BREAK
HORIZ. H.P.	000000000000000000000000000000000000000	HORIZONTAL HIGH POINT
INT.		INTERSECTION
i.E.	000000000000000000000000000000000000000	INVERT ELEVATION
LT.		LEFT
L _		LENGTH
L.F.		LINEAL FEET
L.P. L.S.	000000000000000000000000000000000000000	LOW POINT LIGHT STANDARD
L.S. M.H.		MANHOLE
N	000000000000000000000000000000000000000	NORTH
NW		NORTHWEST
P		PAD ELEVATION
P.C. P.I.	000000000000000000000000000000000000000	POINT OF CURVATURE
P.I. P.O.	000000000000000000000000000000000000000	POINT OF INTERSECTION PUSH ON
0.0.0		POINT ON CURVE
P.R.C.	000000000000000000000000000000000000000	POINT OF REVERSE CURVATURE
P.T.		POINT OF TANGENT
P.V.C.	••••••	POLYVINYL CHLORIDE PIPE
P (R)		PROPERTY LINE
(R)	000000000000000000000000000000000000000	RADIAL
R R.E.	••••••	RADIUS RECLAIMED EFFLUENT
REF.		REFERENCE
RET.	000000000000000000000000000000000000000	RETURN
R.C.P.	000000000000000000000000000000000000000	REINFORCED CONCRETE PIPE
RT. R∕W	•••••••	RIGHT
K/W S		RIGHT OF WAY SOUTH
S.D.	000000000000000000000000000000000000000	STORM DRAIN
S.D.C.O.	000000000000000000000000000000000000000	STORM DRAIN CLEAN OUT
S.S.C.O. S.S.	000000000000000000000000000000000000000	SANITARY SEWER CLEAN OUT SANITARY SEWER
SW		SOUTHWEST
S.W.	000000000000000000000000000000000000000	SIDEWALK
SHT.		SHEET
STA.	000000000000000000000000000000000000000	STATION STORM DRAIN
S.D. T	••••••	STORM DRAIN TANGENT
T.C.		TOP OF CURB
TOE	••••••	TOE OF SLOPE
T.P.	••••••	TOP OF PAVEMENT
T.W. TYP.	•••••••	TOP OF WALL TYPICAL
		ILAPA.

VERTICAL CURVE

VERTICAL POINT OF INTERSECTION WEST OR WATER (PER PLAN) WASHOE COUNTY



PROJECT LOCATION VICINITY MAP

SIGNATURE LIN

JON R. ERICSON, P.E., P.T.O.E. CITY ENGINEER

FEDERAL PROJECT NUMBER TAP-0031(137) NDOT PROJECT ID NUMBER 60860 PWP WA-2020-065 BID #19/20-006

#### BASIS OF BEARINGS

STATE PLANE COORDINATE SYSTEM, NEVADA WEST ZONE, NORTH AMERICAN DATUM OF 1983 / 1994, US SURVEY FOOT.

#### BASIS OF ELEVATIONS

NORTH AMERICAN VERTICAL DATUM OF 1983 (NAVD 88) US SURVEY FOOT.

#### **NOTE**

CONSTRUCTION ACTIVITIES AT THIS SITE SHALL NOT COMMENCE ANY EARLIER THAN 7:00 A.M. AND END BY 7:00 P.M. MONDAY THRU FRIDAY AND NOT EARLIER THAN 9:00 A.M. AND END BY 5:00 P.M. SATURDAY ANY OPERATIONS OUTSIDE OF THESE TIMES WILL REPRESENT A VIOLATION OF SPARKS MUNICIPAL CODE 9.30.030. THE PENALTY OF SAID VIOLATION IS A MAXIMUM OF \$1,000 FINE AND SIX MONTHS IN JAIL FOR EACH OCCURENCE.

#### **SPECIFICATIONS**

ALL CONSTRUCTION SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AND STANDARD DETAILS (2012 LATEST EDITION AND ANY APPURTENANT SUPPLEMENTS) SPONSORED AND DISTRIBUTED BY RENO, SPARKS, AND WASHOE COUNTY.

#### SHEET INDEX

1 ...... TITLE SHEET

2 ...... PLAN LAYOUT 3 ...... DETAIL SHEET

4 ...... DETAIL SHEET

## **ENGINEER**



### ENGINEERS CERTIFICATE

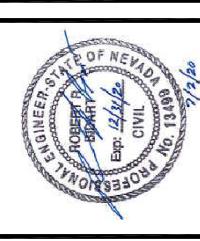
THESE PLANS (SHEETS 1 OF 3) HAVE BEEN PREPARED IN ACCORDANCE WITH ACCEPTED ENGINEERING PROCEDURES AND GUIDELINES, AND ARE IN SUBSTANTIAL COMPLIANCE WITH APPLICABLE STATUTES, CITY ORDINANCES, STANDARDS, AND CITY CODE. IN THE EVENT OF CONFLICT BETWEEN ANY PORTION OF THESE PLANS AND CITY CODE, CITY STANDARDS SHALL PREVAIL.

ROBERT R. BIDART

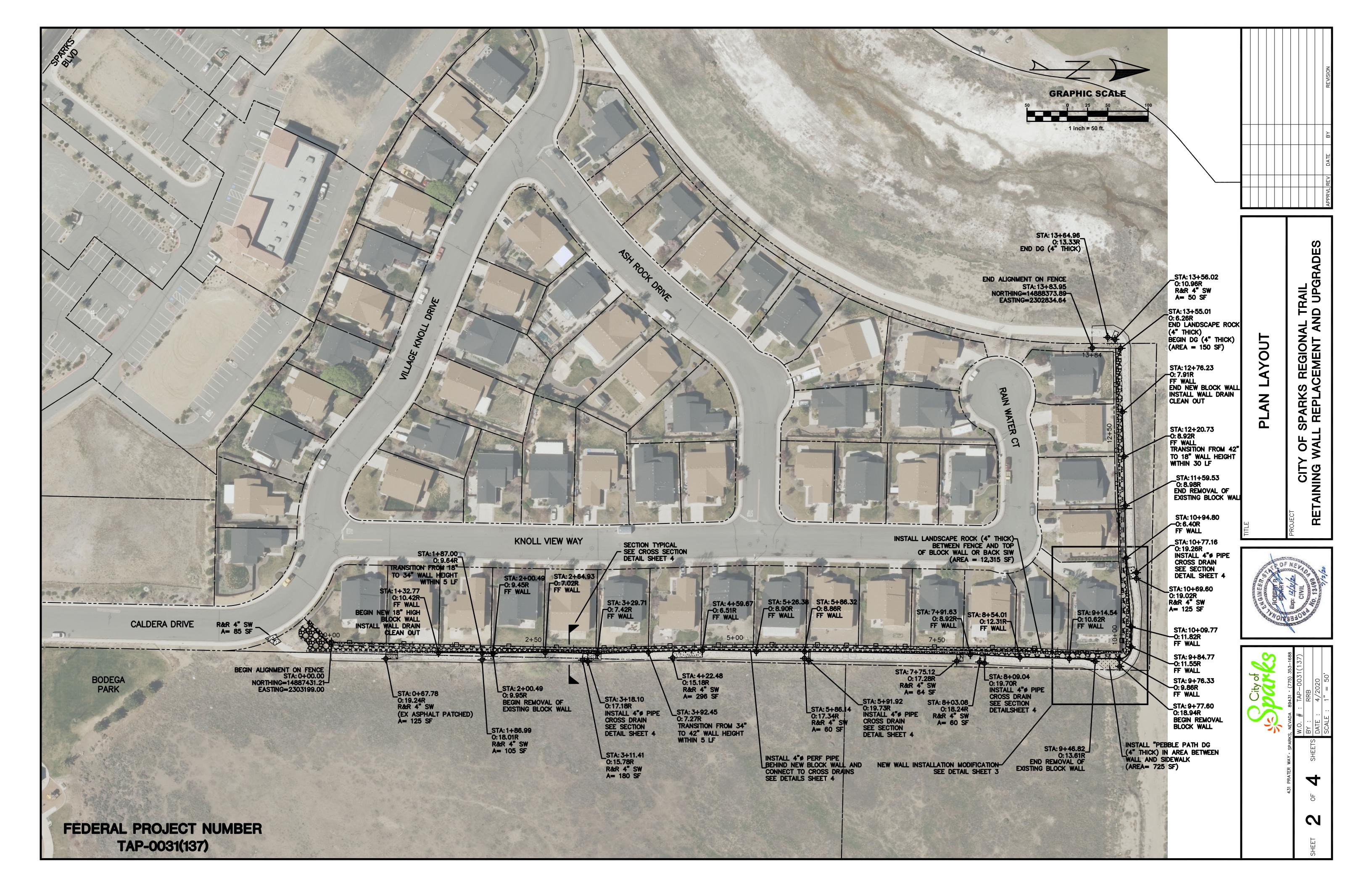
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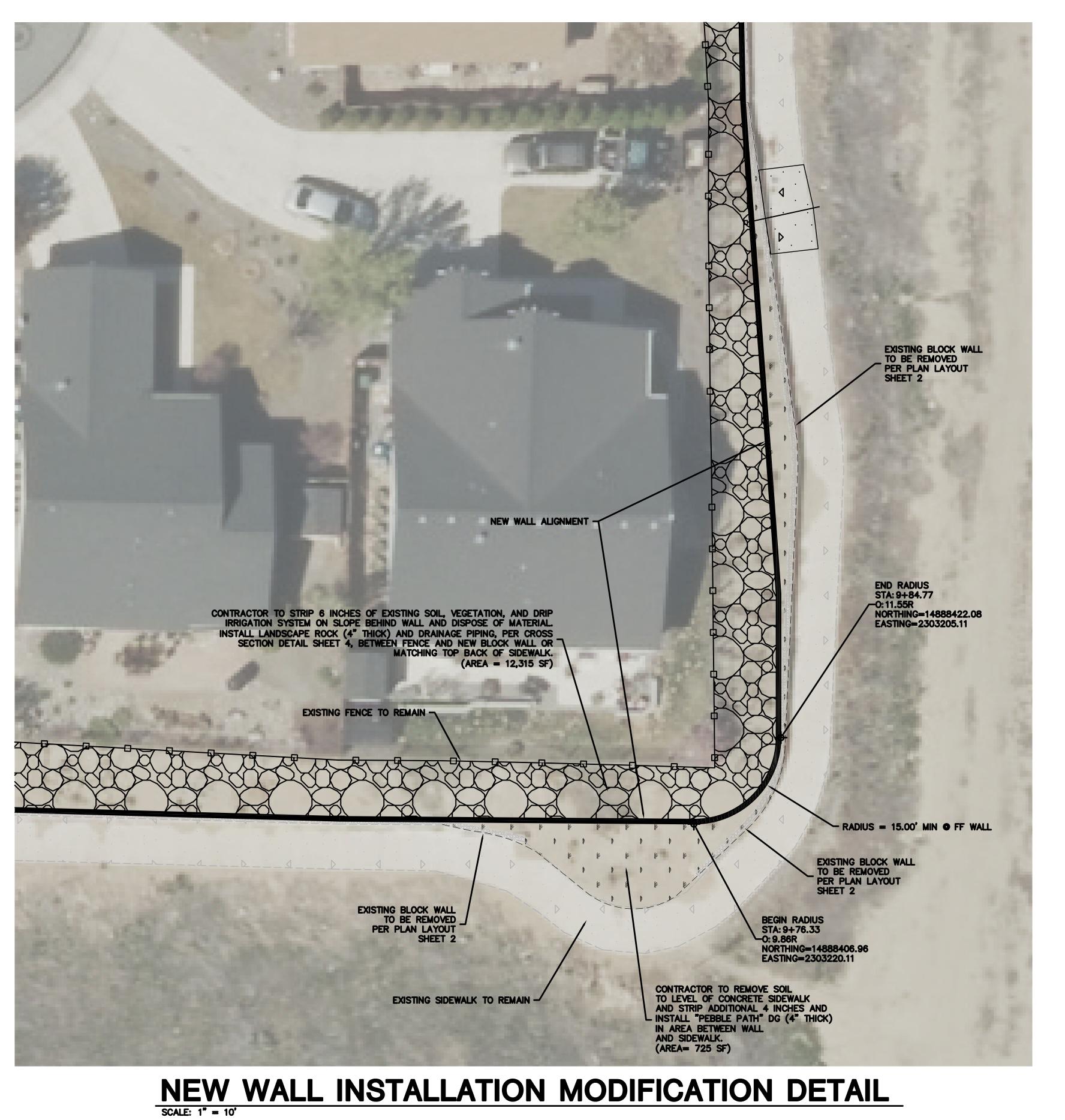
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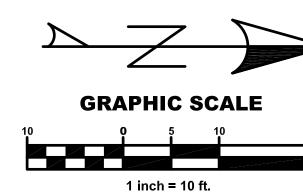
REGION/ CEMENT









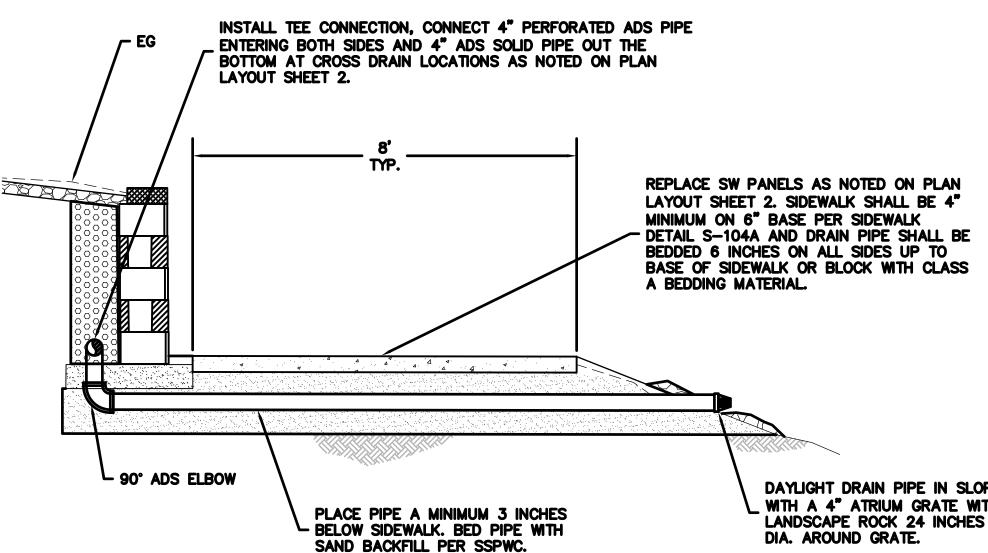


3

TAP-0031(137)

FEDERAL PROJECT NUMBER

CROSS SECTION DETAIL



# CROSS DRAIN SECTION DETAIL

CURB & GUTTER SIDEWALK 4" MIN. AGGREGATE BASE COMPACTED TO 95% RELATIVE\_ 6" MIN. AGGREGATE BASE COMPACTION -COMPACTED TO A MINIMUM 95% RELATIVE COMPACTION SECTION A-A **GUTTER** WEAKENED -PLANE JOINTS **NOTES:** SEE NOTE 5.

SCALE: 1" = 2'

- . PORTLAND CEMENT CONCRETE (P.C.C.) SHALL HAVE THE FOLLOWING CHARACTERISTICS: 4000 PSI MIN. COMPRESSIVE STRENGTH AT 28 DAYS, MIN. 6 SACKS OF CEMENT PER CUBIC YARD WITH MAX. WATER-CEMENT RATIO OF 0.45, AIR ENTRAINMENT 6% ±1.5%, SLUMP AT 1 TO 4 INCHES. MIX DESIGN SHALL CONFORM TO THE REQUIREMENTS OF SECTION 337 OF STANDARD SPECIFICATIONS OF PUBLIC WORKS CONSTRUCTION (SSPWC), AS ADOPTED BY CITY COUNCIL. CEMENT SHALL BE TYPE II. ALL CEMENT CONCRETE SHALL HAVE A COARSE AGGREGATE GRADATION CONFORMING TO SIZE No. 67. POLYPROPYLENE OR CELLULOSE FIBERS SHALL BE ADDED TO THE P.C.C. AT 1.5 LBS. PER CUBIC YARD. ALL MATERIALS SHALL CONFORM TO SSPWC, AS ADOPTED BY CITY COUNCIL.
- 2. AGGREGATE BASE MATERIAL UNDER SIDEWALKS SHALL BE TYPE 2, CLASS B CRUSHED AGGREGATE BASE. MATERIALS SHALL CONFORM TO SSPWC SECTION 200, AS ADOPTED BY CITY COUNCIL.
- 5. SIDEWALK WIDTH "W" SHALL BE 4 FT MIN. WITH 60" PASSING SPACE EVERY 200' ON RESIDENTIAL STREETS AND 6 FT MIN. ON COLLECTOR AND ARTERIAL STREETS.
- I. WEAKENED PLANE JOINTS SHALL BE CONSTRUCTED AT 5 FT INTERVALS AND ACCORDANCE WITH SECTION 312 OF THE SSPWC, AS ADOTED BY CITY COUNCIL.
- 5. ALL ADJACENT CONCRETE REMOVAL SHALL BE TO NEAT SAW CUT LINES AT RIGHT ANGLES TO NEW SIDEWALK. DOWEL INTO EXISTING ADJACENT CONCRETE SIDEWALK WITH A MINIMUM OF TWO (2) No. 4 REINFORCEMENT BARS EQUALLY SPACED ACROSS WIDTH "W". DOWELS SHALL PENETRATE A MINIMUM OF 4" INTO EXISTING CONCRETE.
- 6. SIDEWALKS SHALL NOT BE POURED MONOLITHICALLY WITH CURBS.
- 7. TUNNELING AND/OR BORING IS NOT ALLOWED.

STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION DRAWING No. S-103 SIDEWALK DETAIL APPROVED BY: JE DATE: 1/2020

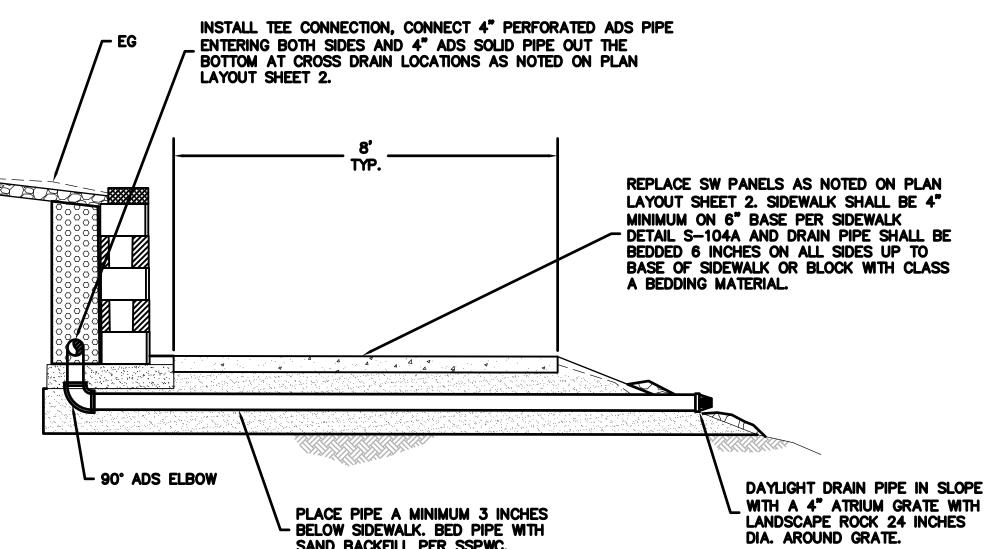
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