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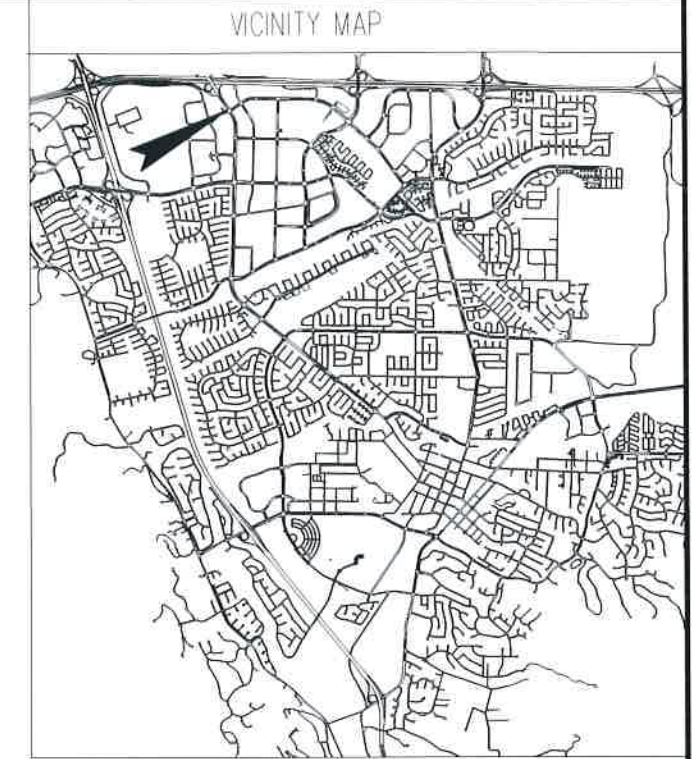
CITY OF PLEASANTON

PUBLIC WORKS DEPARTMENT

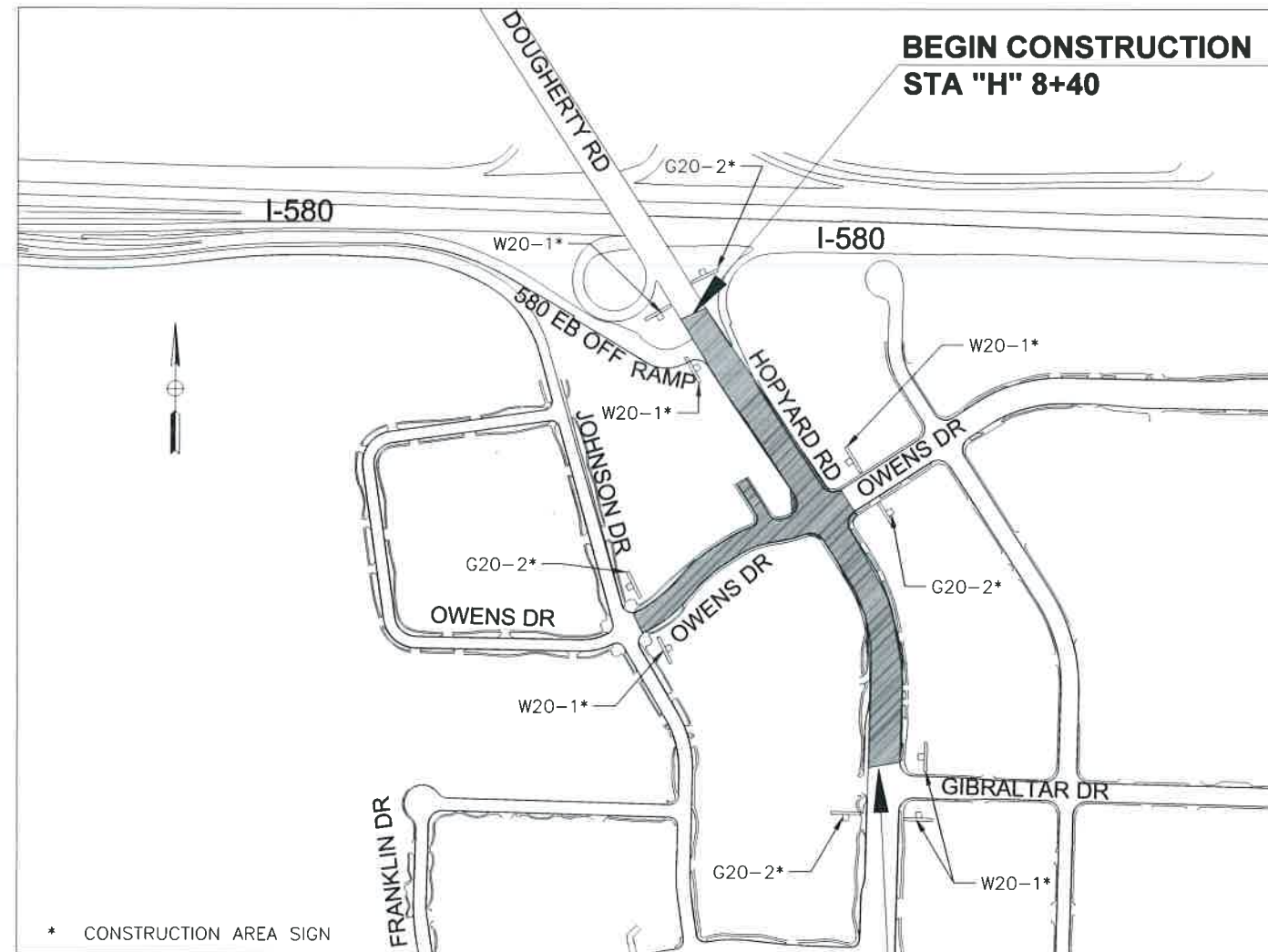
HOPYARD RD AND OWENS DR INTERSECTION IMPROVEMENT

CIP # 15525

PLEASANTON, CALIFORNIA



LOCATION MAP



LEGEND:

- CURVE/LINE DATA
- CURB RAMP DATA
- CONC BARRIER
- WALL ON BARRIER
- EXISTING DRAINAGE INLET
- EXISTING MANHOLE
- EXISTING CULVERT
- CULVERT
- INLET
- MANHOLE
- PAVEMENT DELINEATION DETAIL
- STOP PAVEMENT MARKING
- TYPE IV ARROW
- BIKE LANE ARROW MARKING
- BIKE LANE WITH PERSON MARKING
- SUBGRADE DRAIN

ABBREVIATIONS:

BC	BEGIN CURVE	INV	INVERT ELEV
BFV	BUTTERFLY VALVE	LP	LOW POINT
BP	BACK OF PATH	MH	MANHOLE
BEG	BEGIN	O.C.	ON CENTER
COP	CITY OF PLEASANTON	RET	RETAINING
CONF	CONFORM	SD	STORM DRAIN
CONN	CONNECT	STD	STANDARD
CONST	CONSTRUCT	SW	SIDEWALK
CONT	CONTINUE	TG	TOP OF GRATE
C&G	CURB AND GUTTER	TOI	TOP OF ISLAND
DI	DRAINAGE INLET	TCE	TEMPORARY CONSTRUCTION EASEMENT
EC	END CURVE		
Exist	EXISTING		
FC	FACE OF CURB		
HP	HIGH POINT		

Adam Hillens
CITY ENGINEER
REGISTERED CIVIL ENGINEER

DATE

1/25/2024
PLANS APPROVAL DATE



Michele Johnson
PROJECT ENGINEER
REGISTERED CIVIL ENGINEER

DATE



* CONSTRUCTION AREA SIGN

**END CONSTRUCTION
STA "H" 28+78**

GENERAL NOTES:

1. STANDARD PLANS AND SPECIFICATIONS: CONSTRUCT IN ACCORDANCE WITH THESE PLANS AND SPECIAL PROVISIONS, CALTRANS 2023 STANDARD PLANS SPECIFICATIONS AND SPECIAL PROVISIONS, AND CITY OF PLEASANTON 2016 STANDARD DETAILS AND SPECIAL PROVISIONS, SUBJECT TO INSPECTION AND APPROVAL OF THE CITY OF PLEASANTON, ENGINEERING DEPARTMENT. PLEASE REFER TO CITY AND CALTRANS WEBSITES FOR STANDARD PLANS.

THE CONTRACTOR IS RESPONSIBLE FOR PERFORMING THE WORK IN ACCORDANCE WITH THESE DOCUMENTS.
2. VERIFY ALL EXISTING CONDITIONS, ELEVATIONS, DIMENSIONS AND CONSTRUCTION IN THE FIELD PRIOR TO BID. IF ANY DISCREPANCIES ARE NOTED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY FOR DIRECTION.
3. UNDERGROUND SERVICE ALERT: CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT AT 800-227-2600 FOR EXISTING UTILITY LOCATIONS.
4. UNDERGROUND FACILITIES: UTILITY FACILITIES SHOWN ARE APPROXIMATE ONLY AND MAY NOT BE COMPREHENSIVE. CONTRACTOR SHALL CONTACT THE RESPECTIVE UTILITY COMPANY TO OBTAIN INFORMATION REGARDING THE EXACT DEPTH OF BURIAL AND HORIZONTAL LOCATION OF UTILITY LINES AS NECESSARY.

PRIOR TO PERFORMING UNDERGROUND CONSTRUCTION, THE CONTRACTOR SHALL MAKE THE NECESSARY PROBES TO IDENTIFY AREAS OF POSSIBLE CONFLICT WITH PROPOSED CONSTRUCTION AS NEEDED. CONTRACTOR SHALL EXCAVATE TO DETERMINE TYPES, EXTENT, SIZE AND DEPTHS OF UNDERGROUND UTILITIES.

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE ALL NECESSARY UTILITY RELOCATIONS AND ADJUSTMENTS WITH THE APPROPRIATE UTILITY COMPANIES.
6. UTILITY REPAIR: CONTRACTOR SHALL REPAIR ANY DAMAGE OR INTERRUPTION OF UTILITIES, WATER LINES OR IRRIGATION SYSTEMS WITHIN 48 HOURS OF THE TIME OF DAMAGE.
7. ALL UTILITIES TO BE COMPLETED BEFORE PLACING ASPHALT BASE.
9. THE CONTRACTOR SHALL MAINTAIN SUITABLE PUBLIC ACCESS TO ALL EXISTING BUSINESSES, AT ALL TIMES DURING ALL PHASES OF CONSTRUCTION.
10. NOTICE TO PROCEED: CONTRACTOR SHALL NOT COMMENCE WORK UNTIL AFTER A PRE-CONSTRUCTION MEETING HAS BEEN HELD WITH THE CITY, AND AFTER A NOTICE TO PROCEED HAS BEEN ISSUED BY THE CITY.
11. TOILET FACILITIES: CONTRACTOR SHALL PROVIDE PORTABLE SANITARY FACILITIES ADEQUATE FOR ALL WORKERS. THE TYPE OF TOILETS USED, THEIR LOCATIONS AND MAINTENANCE ARE SUBJECT TO APPROVAL BY THE CITY. HAND WASHING FACILITIES SHALL BE PROVIDED NEARBY THE TOILET FACILITIES.
12. THE CONTRACTOR IS RESPONSIBLE FOR MATCHING EXISTING STREETS, SURROUNDING LANDSCAPE AND OTHER IMPROVEMENTS WITH A SMOOTH TRANSITION IN PAVING AND GRADING, ETC., AND TO AVOID ANY ABRUPT OR APPARENT CHANGES IN GRADES OR CROSS SLOPES, LOW SPOTS OR HAZARDOUS CONDITIONS.
13. CONTRACTOR SHALL COMPLY WITH THE RULES AND REGULATIONS OF THE STATE CONSTRUCTION SAFETY ORDERS AND CAL OSHA.
14. WHEN HAULING ANY EARTH, SAND, GRAVEL, STONE, DEBRIS, PAPER, OR ANY OTHER SUBSTANCE OVER ANY PUBLIC STREET, ALLEY OR PUBLIC PLACE, NO PERSON SHALL ALLOW MATERIAL TO BLOW OR SPILL OVER AND UPON SAID PUBLIC, ADJACENT OR PRIVATE PROPERTY.
15. ADEQUATE PROVISIONS SHALL BE MADE FOR DUST CONTROL AND STREET SWEEPING DURING CONSTRUCTION AND AFTER CONSTRUCTIONS HOURS.
16. ALL EXISTING IRRIGATION, LANDSCAPE MATERIALS, PAVEMENT DELINEATION AND OTHER IMPROVEMENTS, THAT ARE NOT TO BE REMOVED BUT ARE DAMAGED DURING CONSTRUCTION, SHALL BE REPLACED OR RESTORED TO EXISTING CONDITIONS AT NO ADDITIONAL EXPENSE TO THE CITY.

GENERAL NOTES (CONT):

17. REMOVE OIL TRACKS AND CONSTRUCTION MARKINGS FROM STRIPING, SIDEWALK, AND PAVEMENT DELINEATORS ON ADJOINING STREETS WITHIN 48 HOURS.
18. SIDEWALK, DRIVEWAY, CURB & GUTTER SHALL BE REMOVED TO THE NEAREST SCORE MARK OR CONSTRUCTION JOINT. CONCRETE AND ASPHALT SHALL BE SAW CUT ALONG THE LIMITS OF REMOVAL. THE PRECISE LIMITS OF REMOVAL OF EXISTING IMPROVEMENTS WILL BE DETERMINED IN THE FIELD BY THE CITY OF PLEASANTON.
19. STAKING: ALL STAKING WILL BE COMPLETED BY THE SURVEYOR HIRED BY THE CONTRACTOR.
20. CITY WILL RESERVE THE RIGHT TO TAKE PHOTOGRAPHS AND VIDEOS DURING THE COURSE OF CONSTRUCTION.
21. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN PROPER TRAFFIC CONTROL AT ALL TIMES TO THE SATISFACTION OF THE CITY ENGINEER. CONSTRUCTION SHALL PROCEED IN ACCORDANCE WITH THE PHASING PLANS, TRAFFIC SIGNAL PLANS AND SIGNING AND STRIPING PLANS. THE NECESSARY RELOCATION OF LIGHT, SIGNALS AND ELECTRIC FACILITIES SHALL BE COORDINATED WITH THE CITY OF PLEASANTON.
22. ADEQUATELY SHORE ALL EXCAVATIONS SO THAT ALL EXISTING IMPROVEMENTS OF ANY KIND WILL BE FULLY PROTECTED FROM DAMAGE. ANY DAMAGE RESULTING FROM A LACK OF ADEQUATE SHORING, BRACING AND SHEETING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ALL NECESSARY REPAIRS OR RECONSTRUCTION WILL BE PERFORMED BY THE CONTRACTOR AT HIS OWN EXPENSE. WHERE THE EXCAVATION FOR A CONDUIT TRENCH, STRUCTURE, BORING AND/OR JACKING PIT IS FIVE FEET OR MORE IN DEPTH, THE CONTRACTOR SHALL PROVIDE ADEQUATE SHEETING, SHORING AND BRACING OR EQUIVALENT METHOD FOR THE PROTECTION OF LIFE OR LIMB WHICH SHALL CONFORM TO THE APPLICABLE CONSTRUCTION SAFETY ORDERS OF THE DIVISION OF INDUSTRIAL SAFETY OF THE STATE OF CALIFORNIA. THE CONTRACTOR SHALL ALWAYS COMPLY WITH CAL OSHA REQUIREMENTS.
23. CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL USA, SURVEY AND UTILITY LOCATION MARKINGS.
24. CROSS SECTIONS HAVE BEEN PREPARED SHOWING APPROXIMATE EXISTING GROUND.
25. THE CONTRACTOR SHALL ADJUST ALL MANHOLES, CLEANOUTS, VALVE BOXES, WATER METERS, ELECTRICAL BOXES ETC. THAT ARE AFFECTED BY THE CONSTRUCTION TO FINISHED GRADE. CONTRACTOR TO COORDINATE WITH UTILITIES ON ADJUSTING THEIR FACILITIES.
26. PROTECT EXISTING TREES IN PLACE UNLESS OTHERWISE NOTED ON THESE PLANS.
27. WORKING HOURS SHALL BE FOLLOWED AS SPECIFIED IN THE PROJECT PLANS & SPECIAL PROVISIONS. ANY CHANGES TO THE WORKING HOURS WILL REQUIRE PRIOR APPROVAL FROM THE CITY.
28. ISOLATED PAVEMENT REPAIR IS REQUIRED PRIOR TO FINISH RESURFACING/PAVING OPERATION. ISOLATED PAVEMENT REPAIR/BASE REPAIR LOCATIONS TO BE MARKED IN THE FIELD AFTER COMPLETION OF COLD-PLANE OPERATION. LENGTH AND WIDTH OF BASE REPAIR AREA VARIES WITH A MINIMUM WIDTH OF 6 FEET.

DATUM NOTES:

1. BENCHMARK: DESIGNATION: PFS 4 A DISK SET IN TOP OF CONCRETE MONUMENT STAMPED PFS 4 1964 DESCRIBED BY COAST AND GEODETIC SURVEY 1964. AT CAMP PARKS, 0.08 MILE SOUTH OF BUILDING 830, 0.15 MILE EAST OF BUILDING 832 (FORMER TRAILER COURT OFFICE), 46 FEET NORTH OF THE CENTER LINE OF A STREET, 42 FEET WEST OF THE CENTER LINE OF A STREET, 19 1/2 FEET WEST-NORTHWEST OF THE CENTER OF A FIRE HYDRANT, 98 FEET EAST-SOUTHEAST OF A POWER LINE POLE FLUSH WITH A GUY WIRE, AND SET IN THE TOP OF A CONCRETE POST FLUSH WITH THE GROUND.

ELEVATION= 345.80 (NAVD 88 DATUM)
2. BASIS OF BEARING: THE CALCULATED BEARING OF NORTH 45°56'13" EAST BETWEEN THE POSITION OF MON 3541 AND THE AZIMUTH TO MON 3038 AS SHOWN ON THAT CERTAIN UN-FILED RECORD OF SURVEY ON HIGHWAY 580 & 680 PREPARED BY TY-LIN INTERNATIONAL IN JUNE OF 2011 IN ALAMEDA COUNTY WAS TAKEN AS THE BASIS FOR ALL BEARINGS SHOWN HEREON.

Michele Johnson
PROJECT ENGINEER
REGISTERED CIVIL ENGINEER

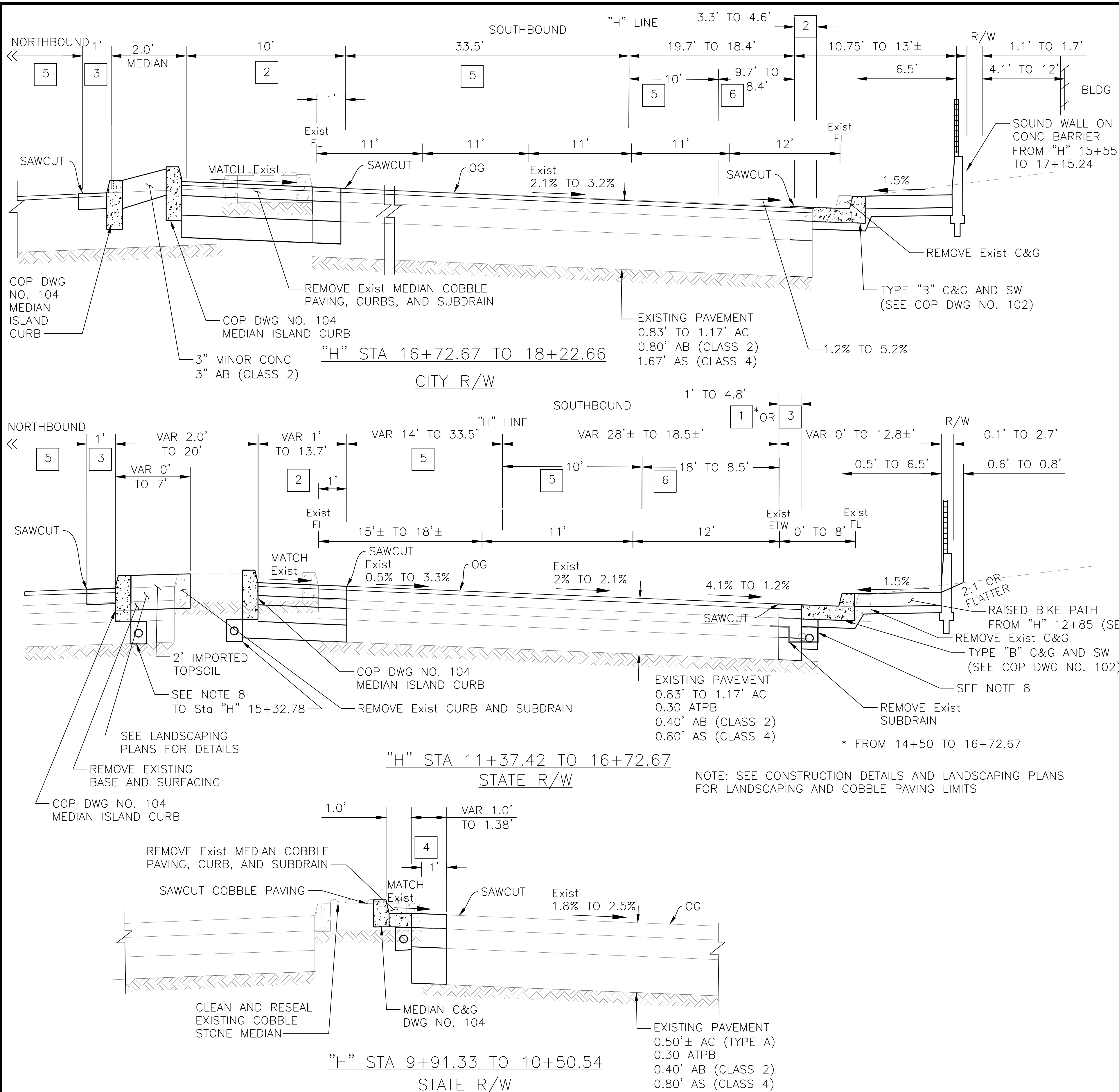
10/2/2023
DATE



M:\CCQ_Clients\Pleasanton\22-100 Hopyard and Owens Intersection Improvements\500-Design\505-CADD Files\Sheets\22-100 - Notes.dwg\11-30-23 11:15am Jackson.kravets

REV.	DATE	DESCRIPTION		CITY OF PLEASANTON Public Works Department		HOPYARD AND OWENS INTERSECTION IMPROVEMENT - CIP #15525	DESIGN: BK	SCALE:	DWG NO.
					344 Thomas L. Berkley Way, Suite 302C Oakland, California 94612 P: 925.416.1500	GENERAL NOTES	DRAWN: JK	PROJECT NO.: CIP-15525	
							CHECKED: MB	DATE: AUGUST 2023	2 OF 36

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NOTES:

1. DIMENSIONS OF THE PAVEMENT STRUCTURES (STRUCTURAL SECTIONS) ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
2. SEE LAYOUT PLANS FOR LIMITS OF CURBS AND MEDIAN PAVING.
3. SEE SHEETS 7, 8, 9, 10, AND CITY OF PLEASANTON DETAILS FOR CURB RAMP, ISLAND, CURB, GUTTER AND SIDEWALK DETAILS.
4. WHERE WIDENING THE EXISTING PAVEMENT, THE CONTRACTOR SHALL SAWCUT THE EXISTING PAVEMENT THROUGH BASE LAYER.
5. SEE CONSTRUCTION DETAILS SHEETS 13 THROUGH 15 FOR LIMITS OF PAVEMENT WIDENING AND SAWCUT LIMITS.
6. ALL DETAILS PER CITY OF PLEASANTON STANDARD DETAILS UNLESS OTHERWISE NOTED.
7. SLURRY SEAL PAVEMENT FROM 8+40 TO 11+27.96 AND 20+21.24 TO 28+78 BEFORE PLACEMENT OF FINAL STRIPING. SEE SHEET 23.
8. SEE COP DWG NO. 104 FOR MEDIAN SUBDRAIN DETAILS, INCLUDING PERFORATED PIPE, FILTER FABRIC, PERMEABLE MATERIAL AND WATER BARRIER AND COP DWG NO. 209 FOR C&G SUBDRAIN INCLUDING PERFORATED PIPE AND PERMEABLE MATERIAL.

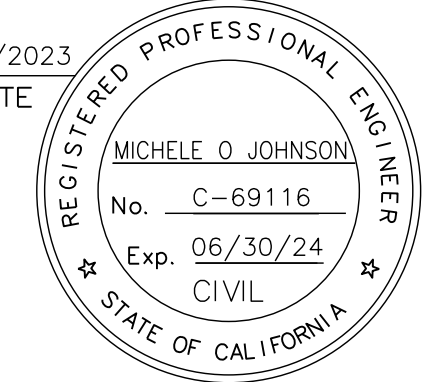
PAVEMENT STRUCTURAL SECTION:

- | | | | |
|---|--|---|--|
| 1 | 0.15' 1/2" HMA (TYPE A)
0.35' 3/4" HMA (TYPE A) | 3 | 0.15' 1/2" HMA (TYPE A)
0.35' 3/4" HMA (TYPE A) |
| 2 | 0.15' 1/2" HMA (TYPE A)
0.35' 3/4" HMA (TYPE A)
0.80' AB (CLASS 2)
1.60' AS (CLASS 4) | 4 | 0.67' 1/2" HMA (TYPE A)
0.67' AB (CLASS 2) |
| | | 5 | 0.15' COLD PLANE AC PAV
0.15' 1/2" HMA (TYPE A) |
| | | 6 | 0.15' COLD PLANE AC PAV
Var (0.15'-0.50') 1/2" HMA (TYPE A) |

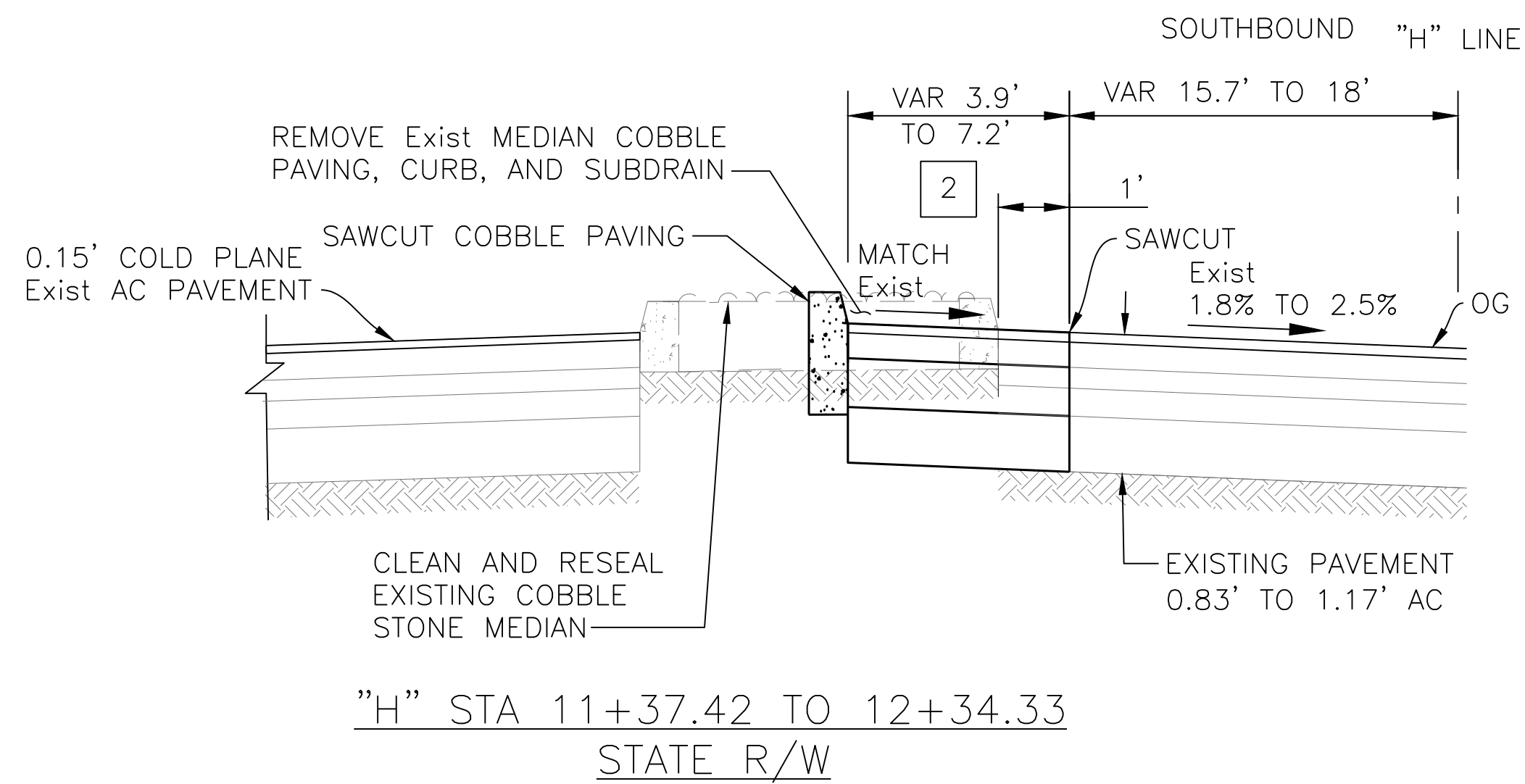
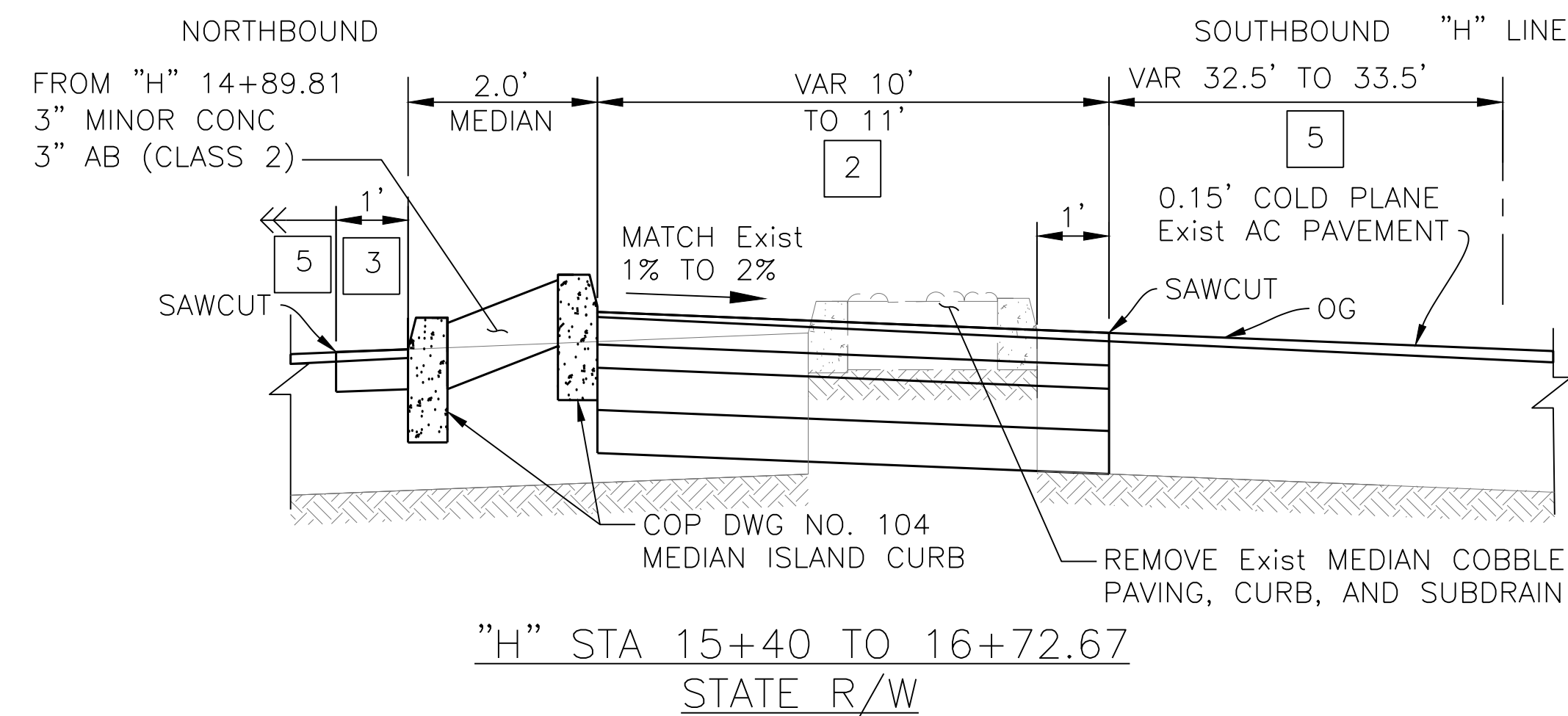
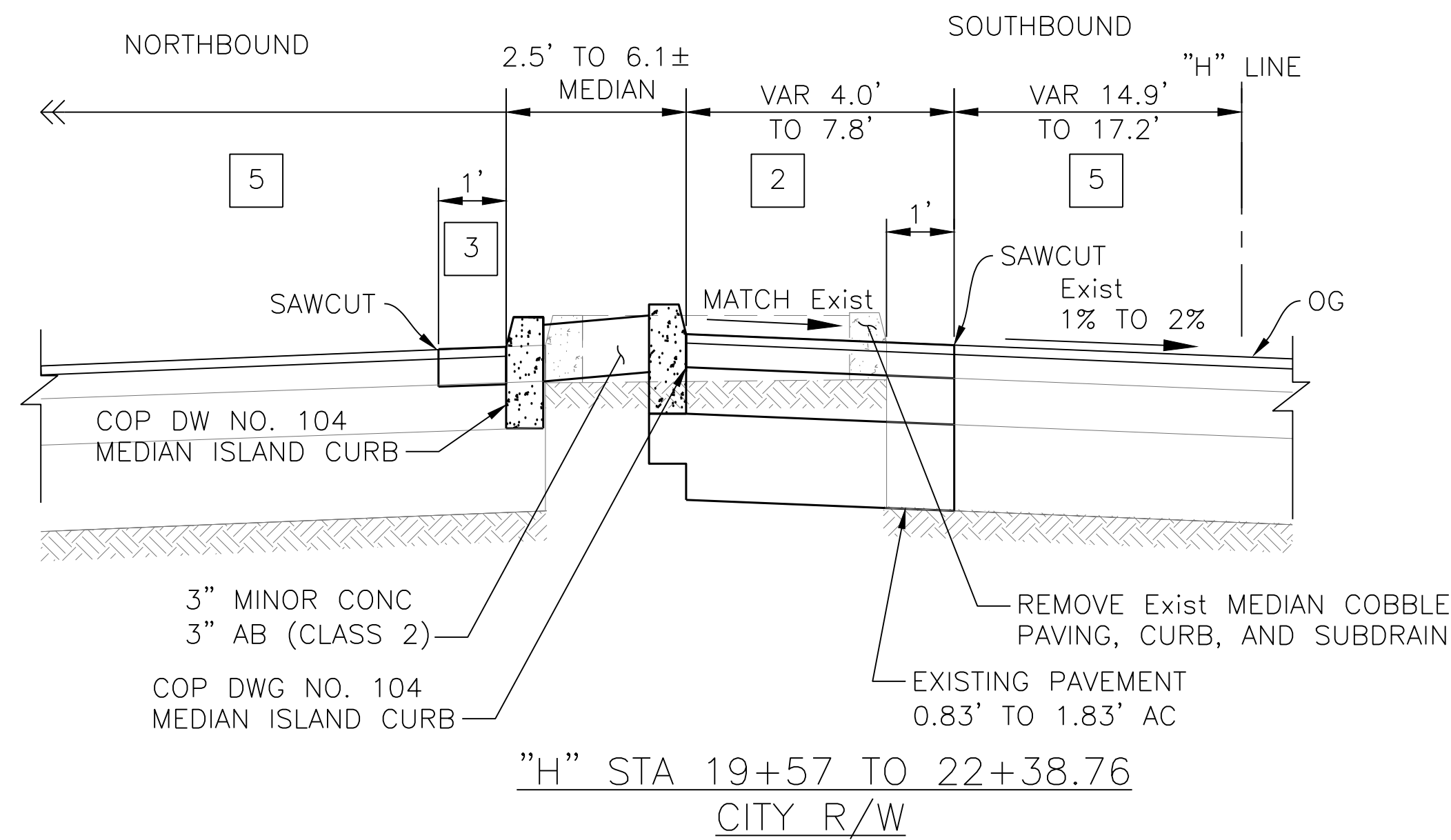
NOTE: SEE CONSTRUCTION DETAILS AND LANDSCAPING PLANS FOR LANDSCAPING AND COBBLE PAVING LIMITS


 PROJECT ENGINEER
 REGISTERED CIVIL ENGINEER

10/2/2023
 DATE

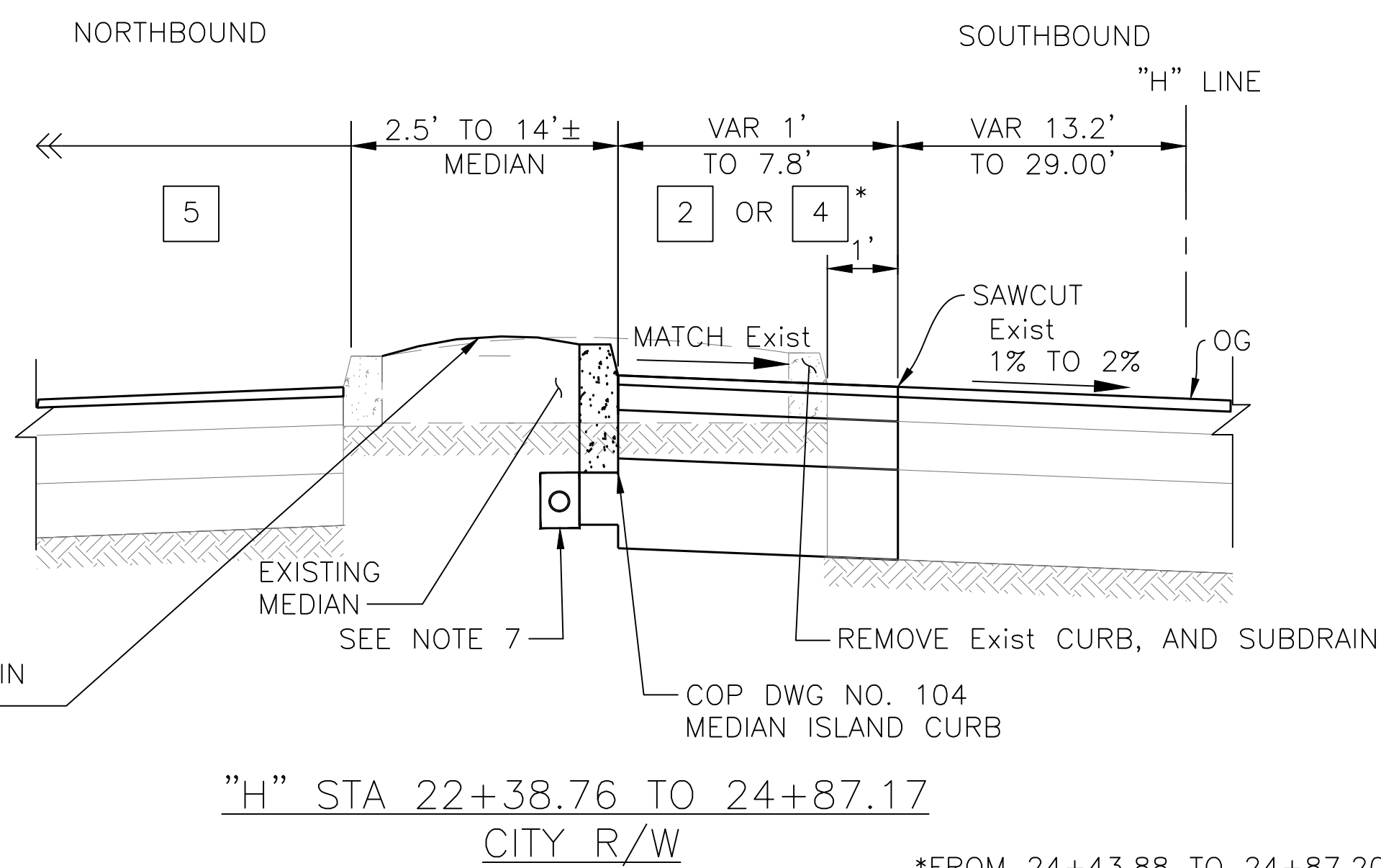
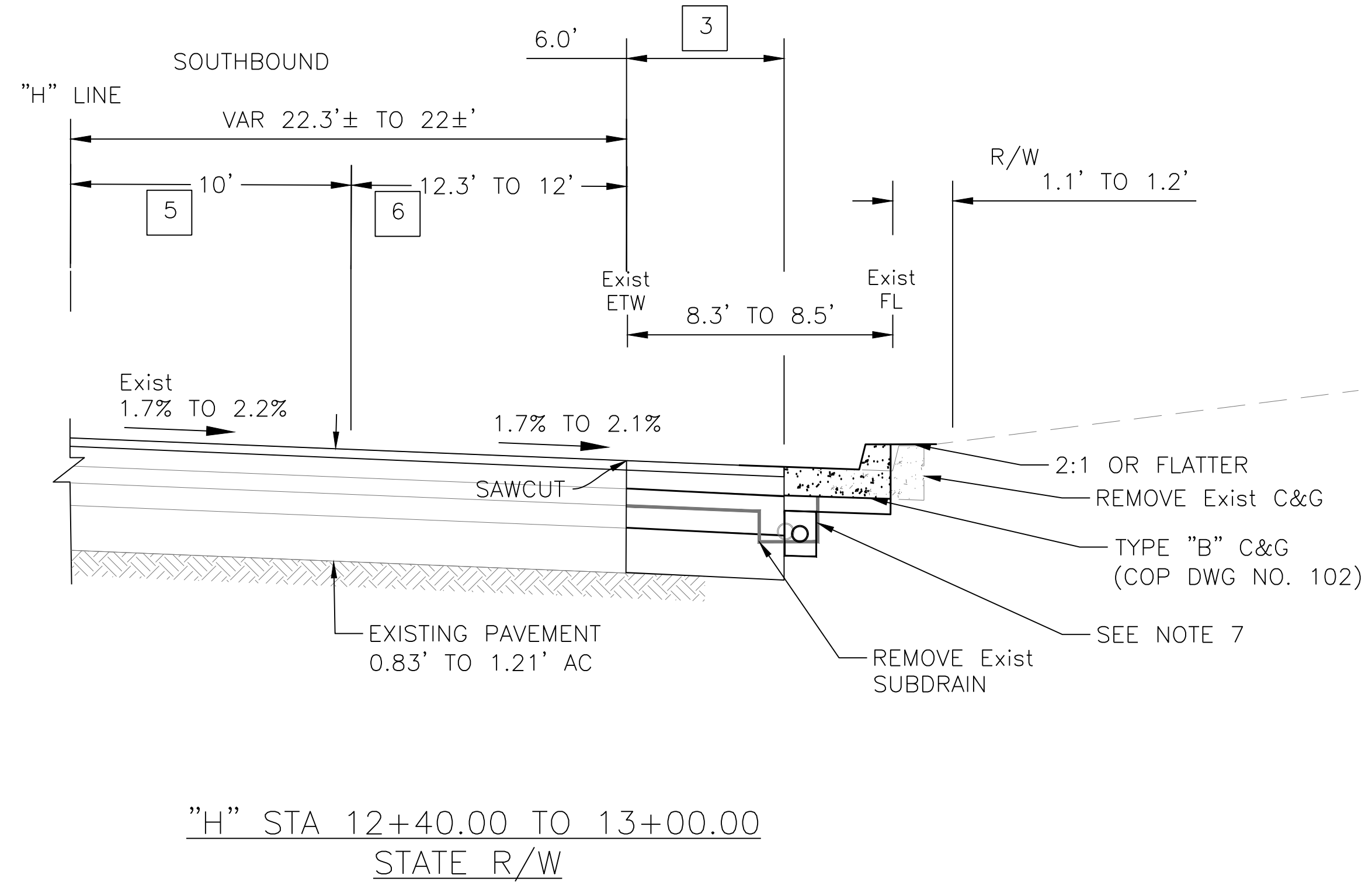


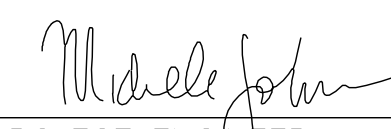
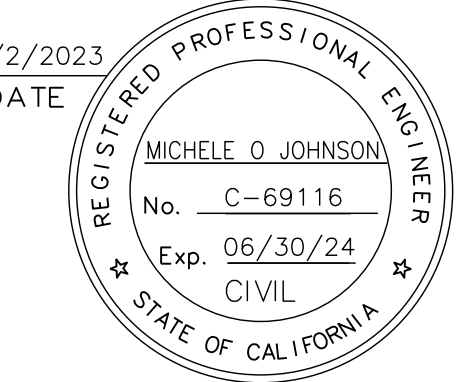
REV.	DATE	DESCRIPTION	 CITY OF PLEASANTON Public Works Department	 consor <small>344 Thomas L. Berkley Way, Suite 302C Oakland, California 94612 P: 925.416.1500</small>	HOPYARD AND OWENS INTERSECTION IMPROVEMENT - CIP #15525 TYPICAL SECTIONS	DESIGN: BK DRAWN: JK CHECKED: MB	SCALE: NTS PROJECT NO.: CIP-15525 DATE: AUGUST 2023	DWG NO. 3 OF 36
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NOTES:

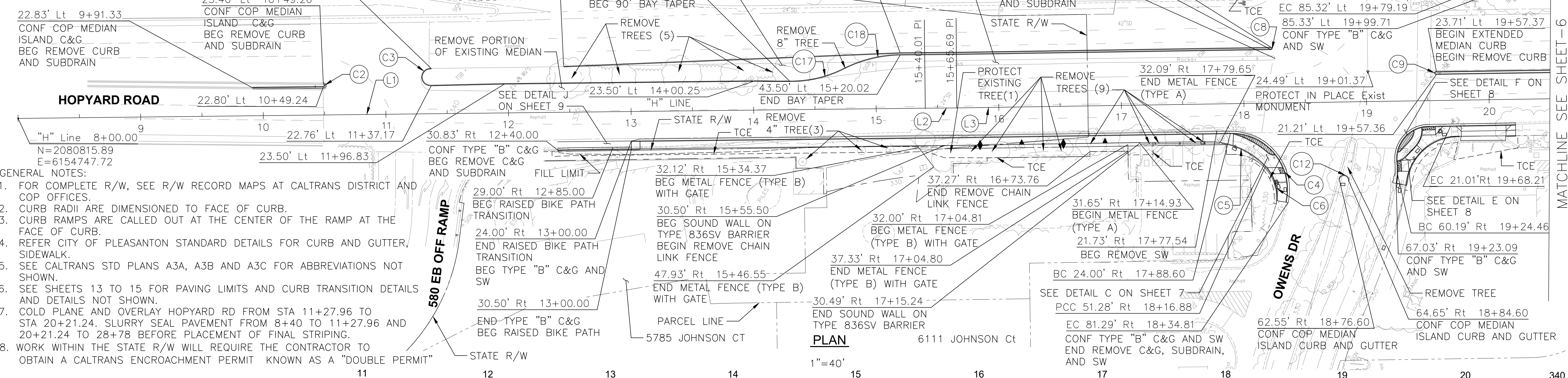
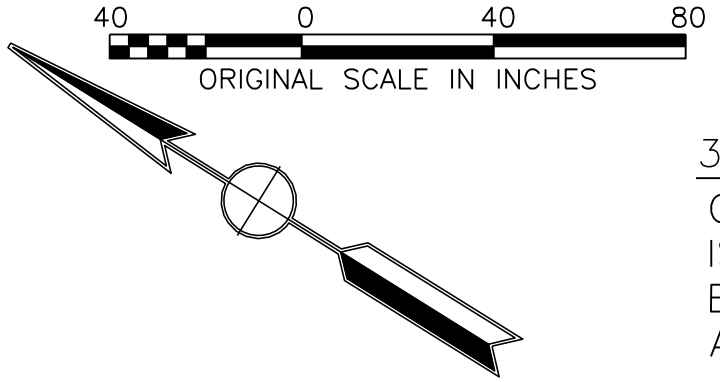
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 PROJECT ENGINEER
 REGISTERED CIVIL ENGINEER
 10/2/2023 DATE


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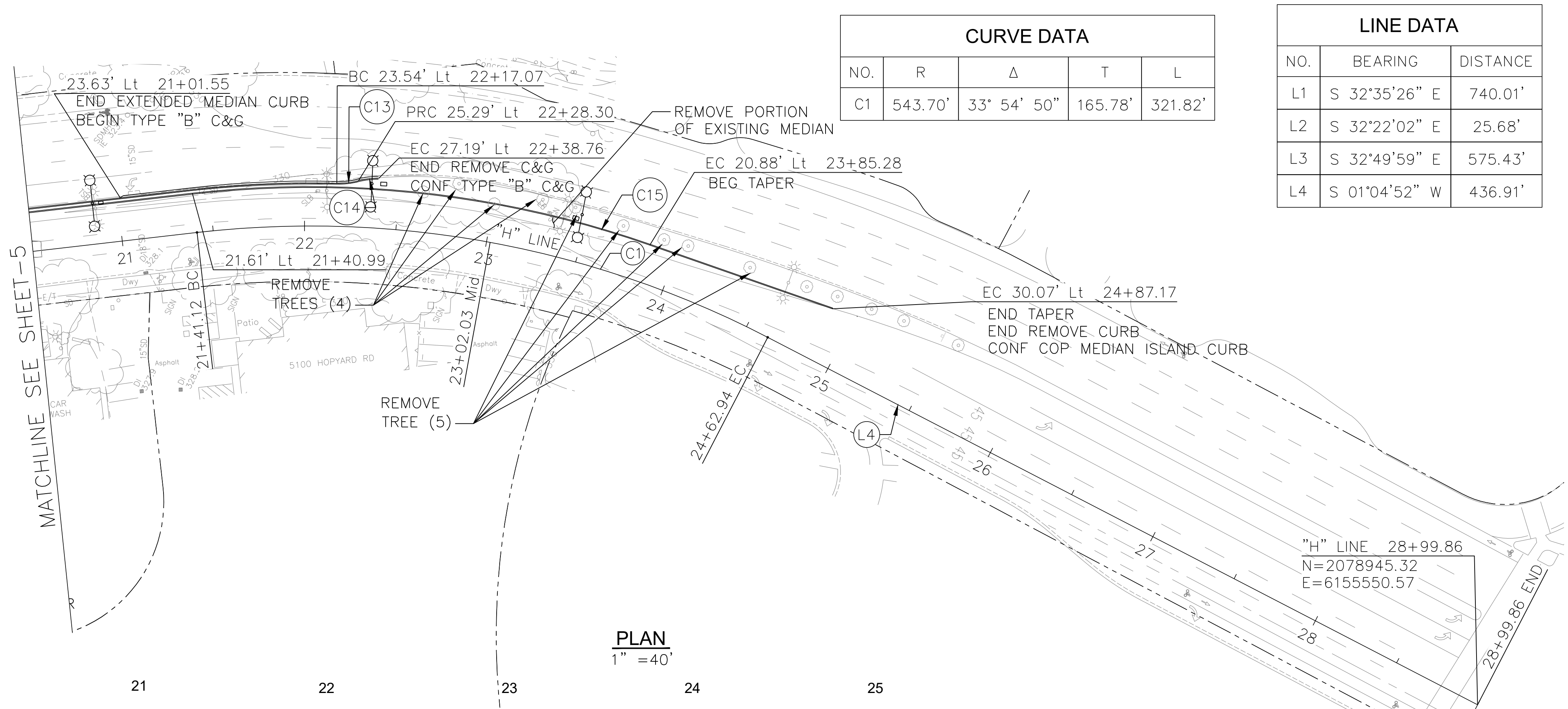


PROJECT ENGINEER
 REGISTERED CIVIL ENGINEER
 DATE: 08/16/2023

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						DRAWN:	SN	PROJECT NO.:	CIP-15525	DATE:
						CHECKED:	MJ			

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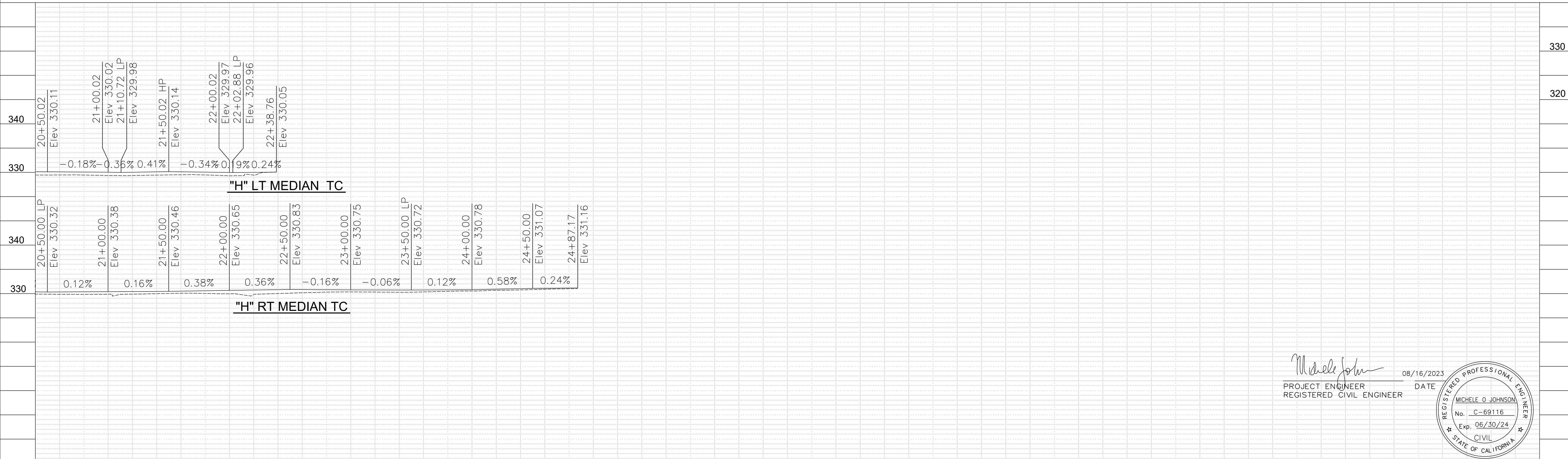


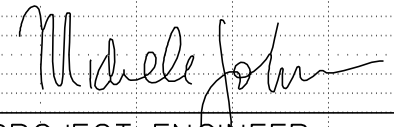
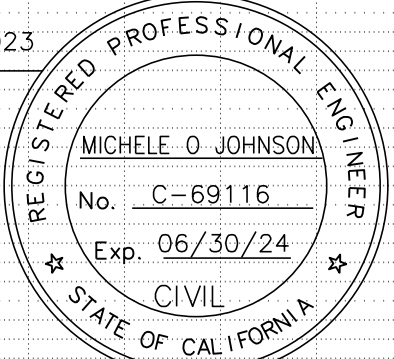
CURVE DATA				
NO.	R	Δ	T	L
C1	543.70'	33° 54' 50"	165.78'	321.82'

LINE DATA		
NO.	BEARING	DISTANCE
L1	S 32°35'26" E	740.01'
L2	S 32°22'02" E	25.68'
L3	S 32°49'59" E	575.43'
L4	S 01°04'52" W	436.91'

Curve Table				
Curve #	R	Δ	T	L
C2	1.30'	179° 11' 00"	181.93'	4.06'
C3	7.10'	187° 38' 51"	106.22'	23.25'
C4	46.00'	100° 44' 25"	55.55'	80.88'
C5	64.00'	48° 10' 22"	28.61'	53.81'
C6	35.18'	49° 24' 06"	16.18'	30.34'
C8	1.00'	180° 00' 00"	NA	3.14'
C9	1.25'	180° 00' 10"	53917.62'	3.93'
C10	30.00'	90° 08' 00"	30.07'	47.19'
C11	5.30'	156° 05' 33"	25.01'	14.43'
C12	4.14'	175° 40' 52"	109.69'	12.68'
C13	43.02'	15° 51' 16"	5.99'	11.90'
C14	41.41'	15° 26' 54"	5.62'	11.16'
C15	564.50'	25° 45' 06"	129.04'	253.72'
C16	50.13'	30° 45' 00"	13.78'	26.90'
C17	95.23'	28° 08' 50"	23.87'	46.78'
C18	105.00'	25° 30' 07"	23.76'	46.73'

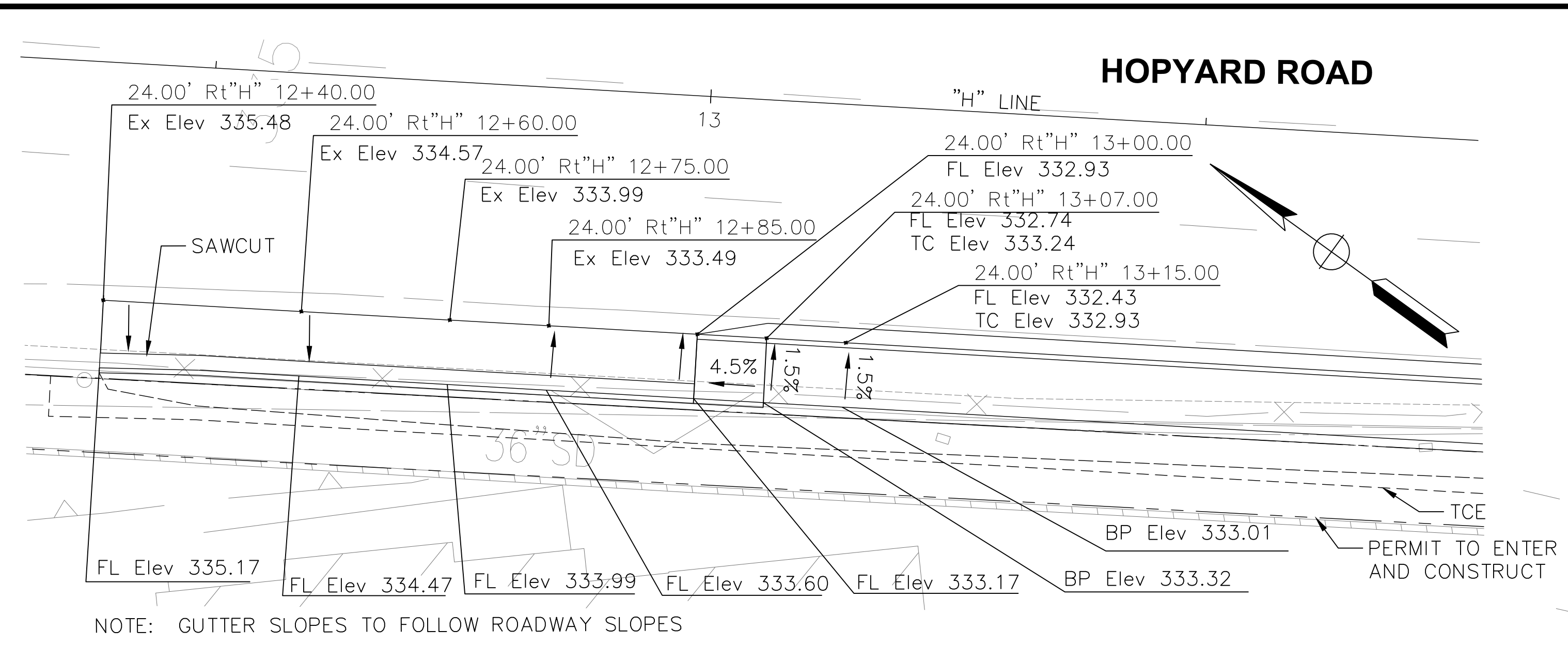
PLAN
1" = 40'




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						CHECKED: MJ	DATE: AUGUST 2023	6 OF 34

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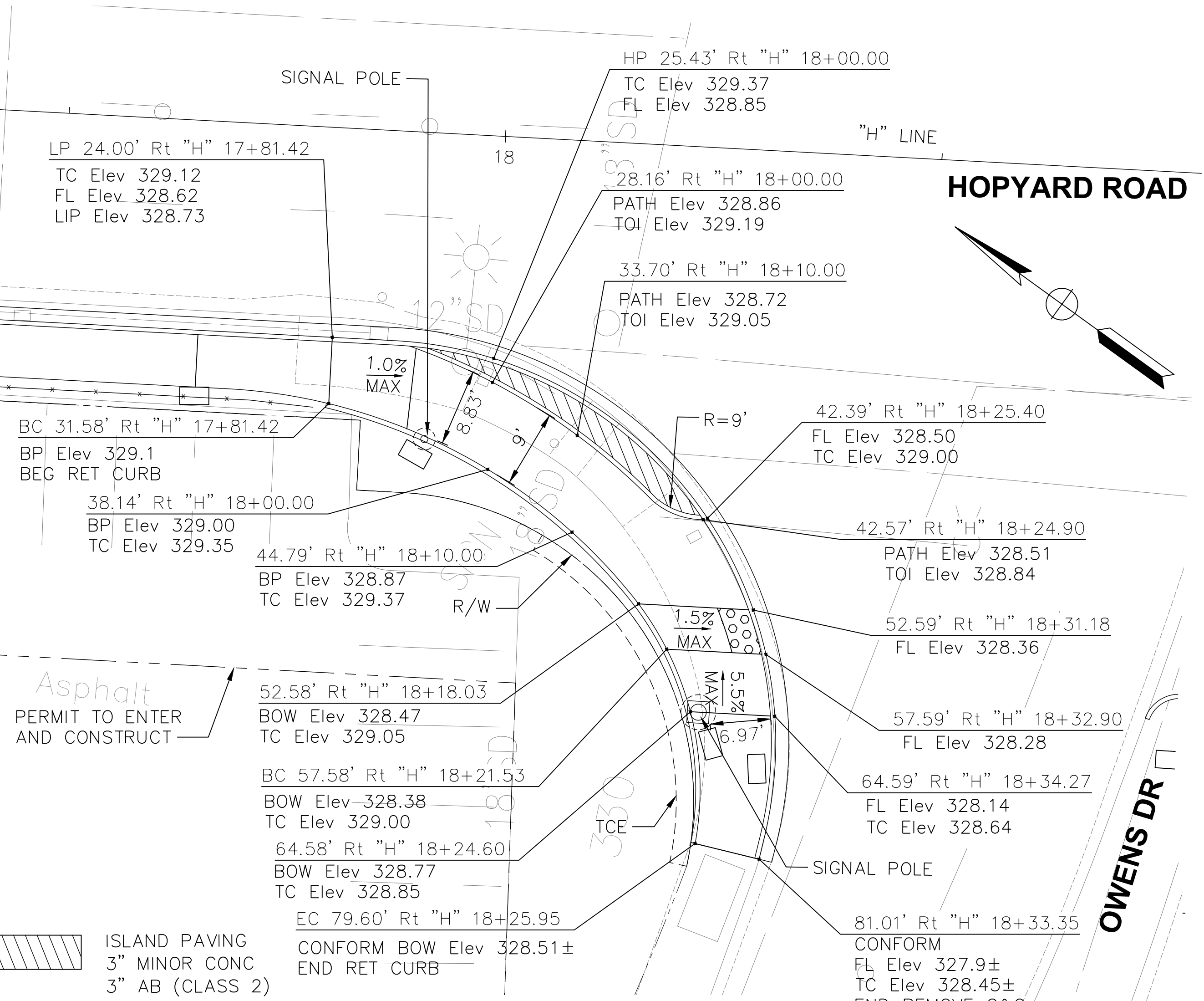


NOTE: GUTTER SLOPES TO FOLLOW ROADWAY SLOPES

PAVEMENT ELEVATION (TRANSITION TO RAISED BIKE PATH RAMP)

1" = 10'

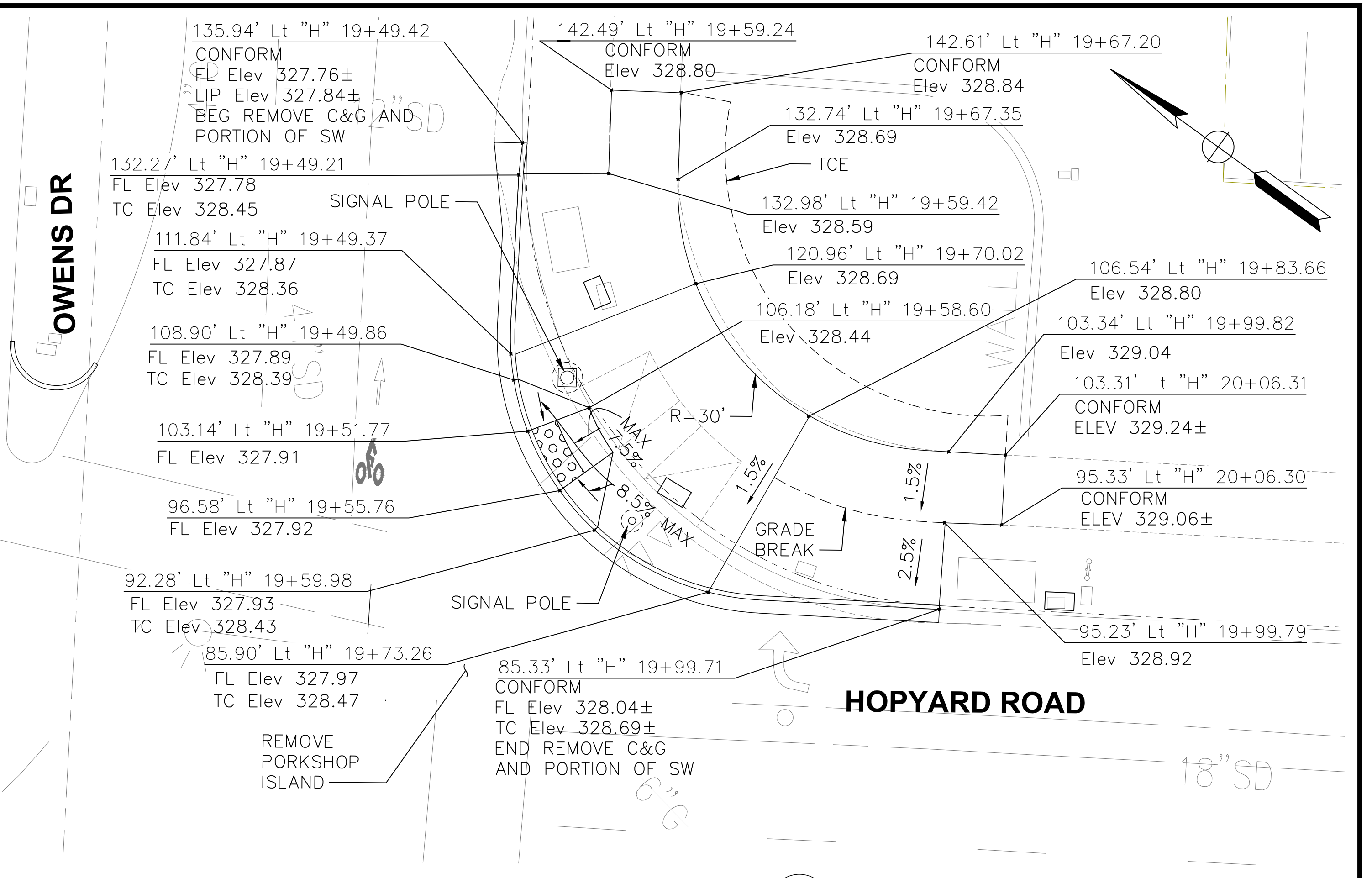
A
7



CASE C CURB RAMP (NORTHWEST CORNER)

1" = 10'

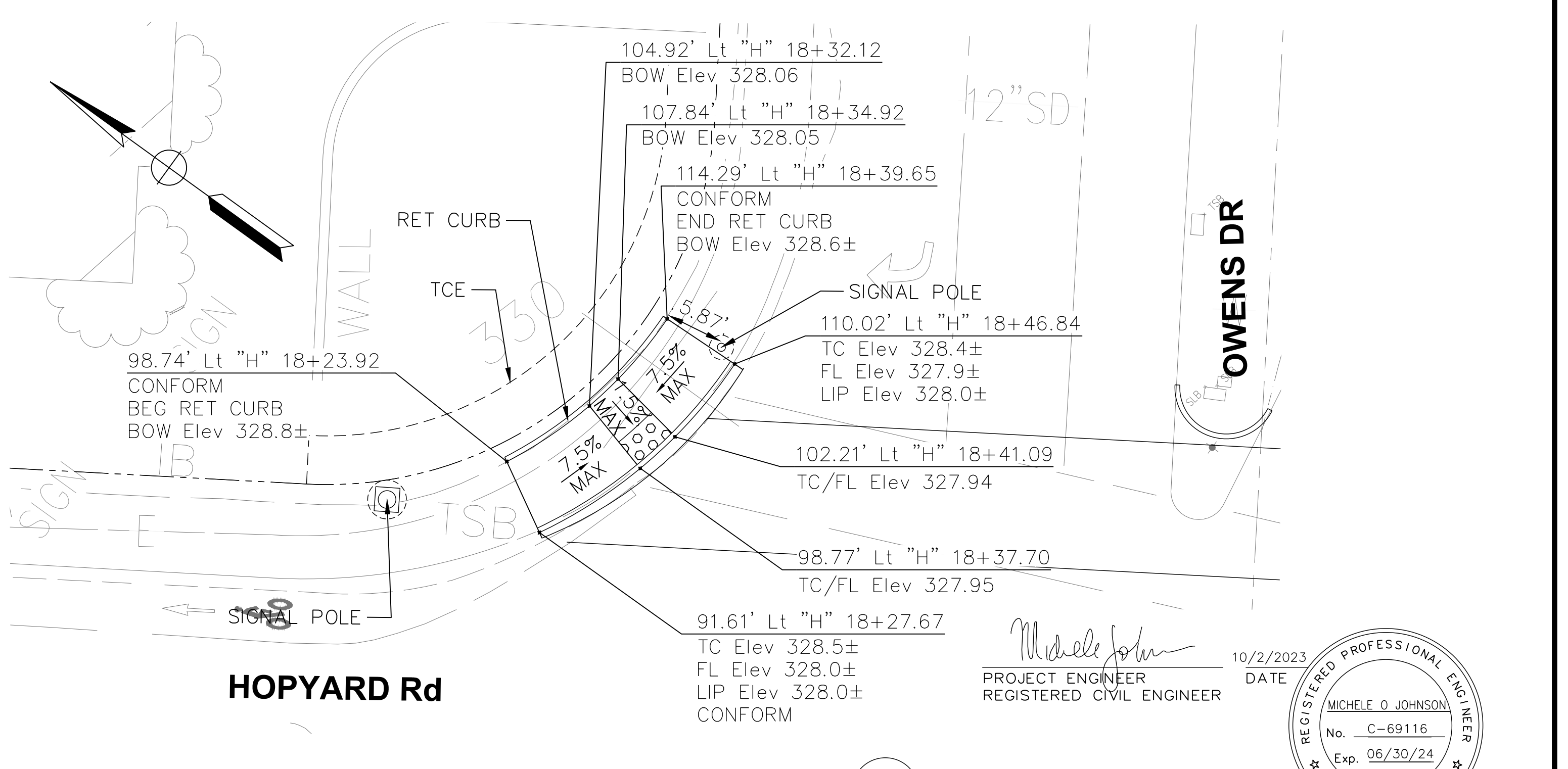
C
7



CASE A CURB RAMP (SOUTHEAST CORNER)

1" = 10'

B
7



CASE C CURB RAMP (NORTHEAST CORNER)

1" = 10'

D
7



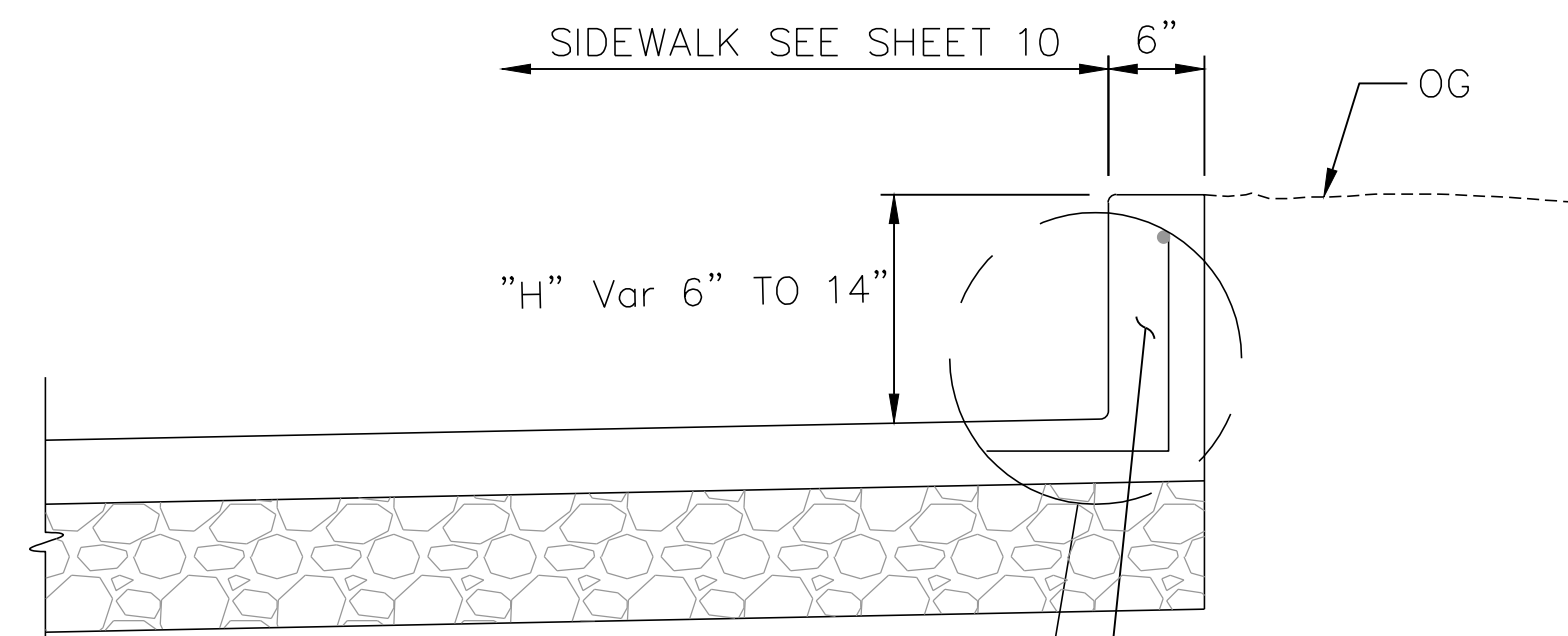
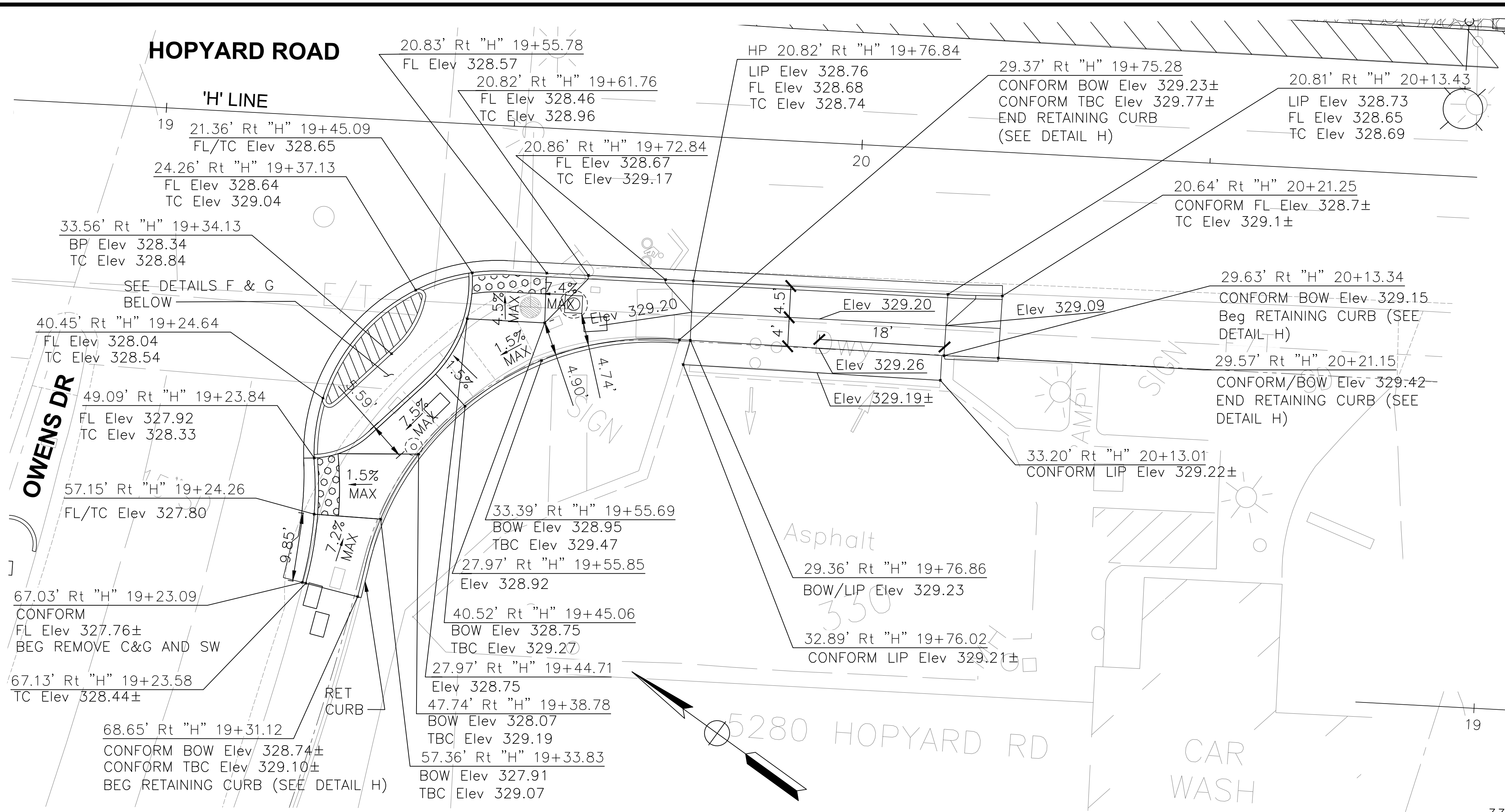
Michele Johnson
PROJECT ENGINEER
REGISTERED CIVIL ENGINEER

10/2/2023
DATE

REGISTERED PROFESSIONAL ENGINEER
MICHELE O JOHNSON
No. C-69116
Exp. 06/30/24
CIVIL
STATE OF CALIFORNIA

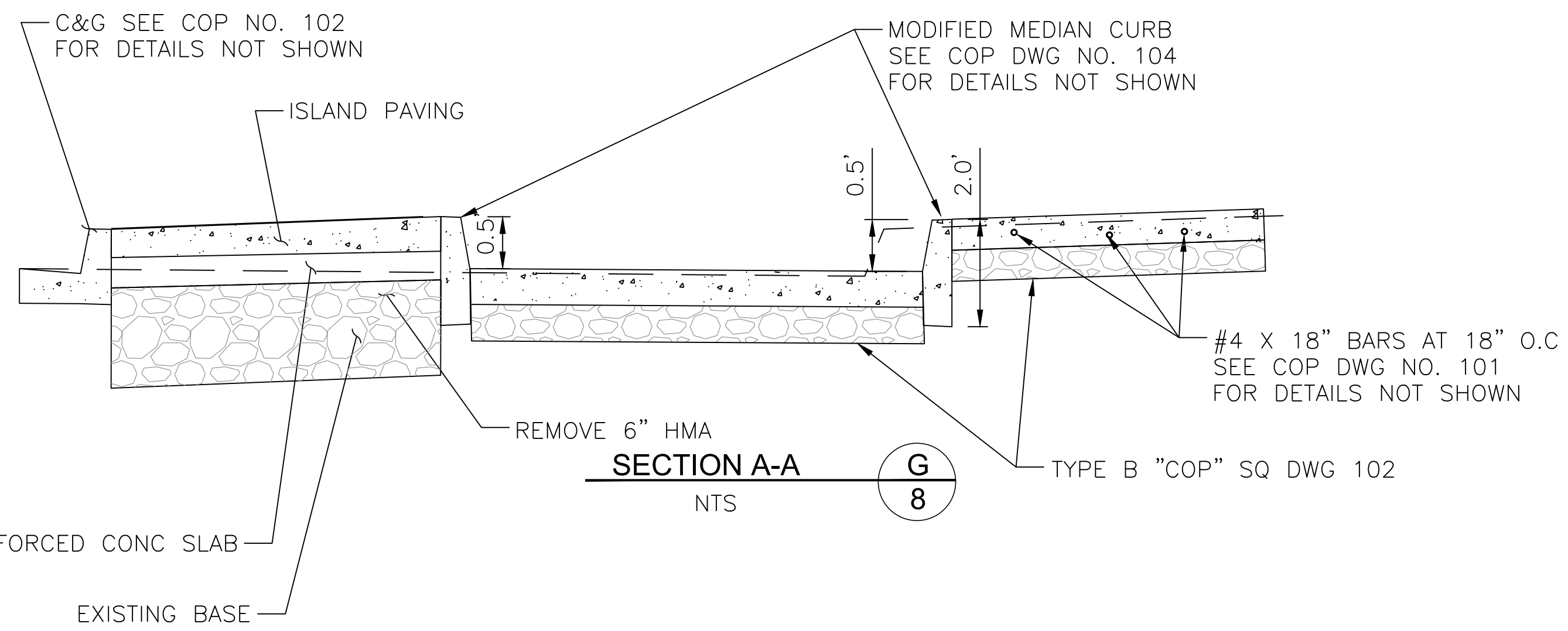
REV.	DATE	DESCRIPTION	 CITY OF PLEASANTON Public Works Department	 consor <small>344 Thomas L. Berkley Way, Suite 302C Oakland, California 94612 P: 925.416.1500</small>	HOPYARD AND OWENS INTERSECTION IMPROVEMENT - CIP #15525 CONSTRUCTION DETAILS	DESIGN: BK	SCALE: AS SHOWN	DWG NO.
						DRAWN: JK	PROJECT NO.: CIP-15525	
						CHECKED: MB	DATE: AUGUST 2023	7 OF 36

M:\CCQ_Clients\Pleasanton\222-100 Hopyard and Owens Intersection Improvements\500-Design\505 - CADD Files\Sheets\222-100 - Cons Details\1.dwg 11-30-23 05:35pm jackson.kravets

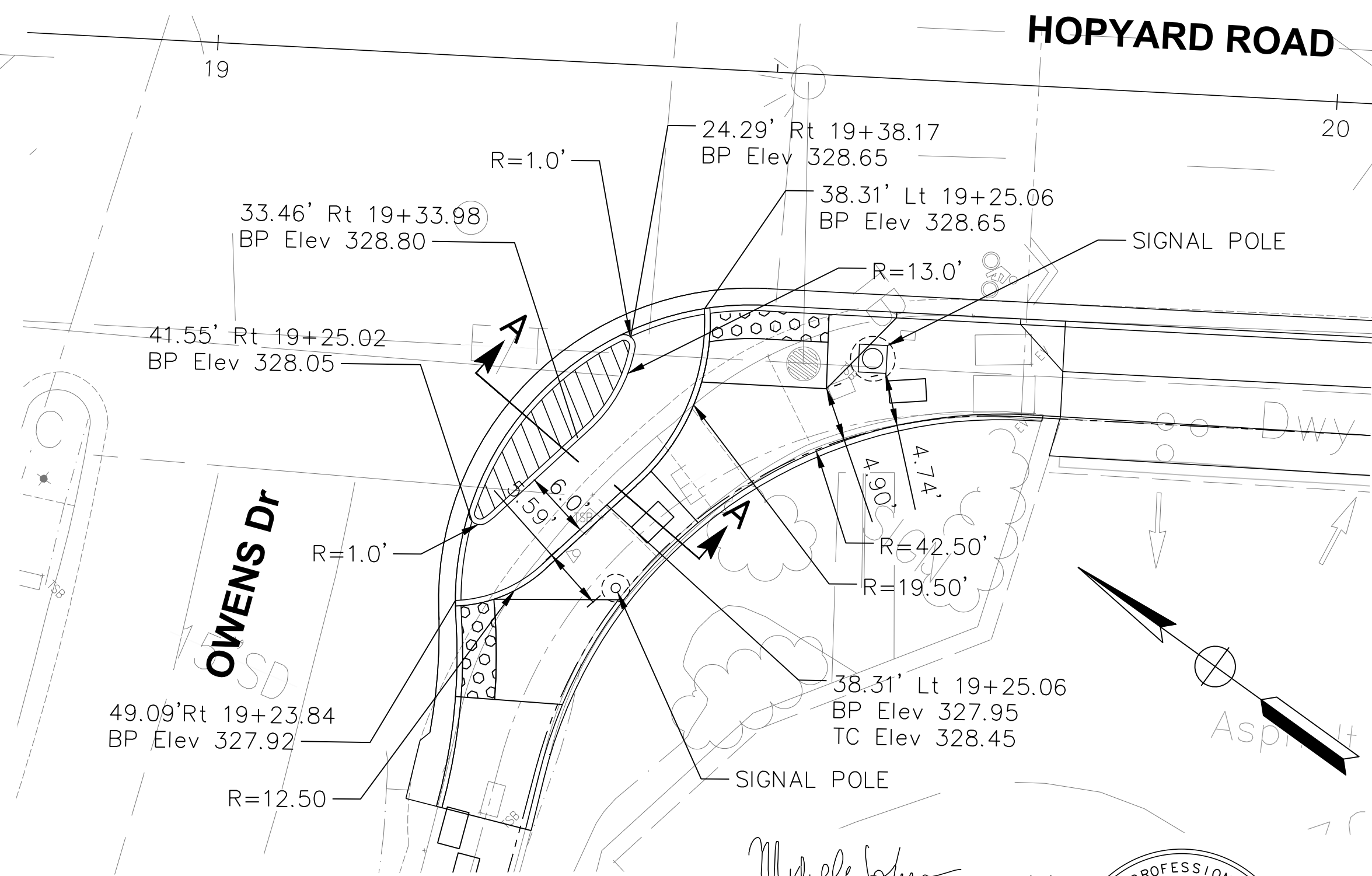


RETAINING CURB DETAIL
NTS

CASE C CURB RAMP (SOUTHWEST CORNER)
1" = 10'



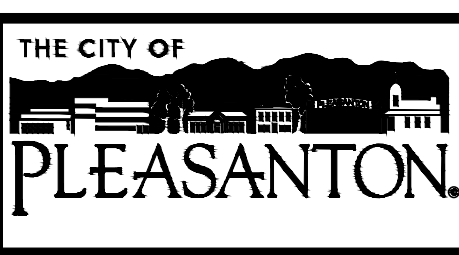
SECTION A-A
NTS



BIKE PATH THROUGH SOUTHWEST CORNER
1" = 10'



REV.	DATE	DESCRIPTION



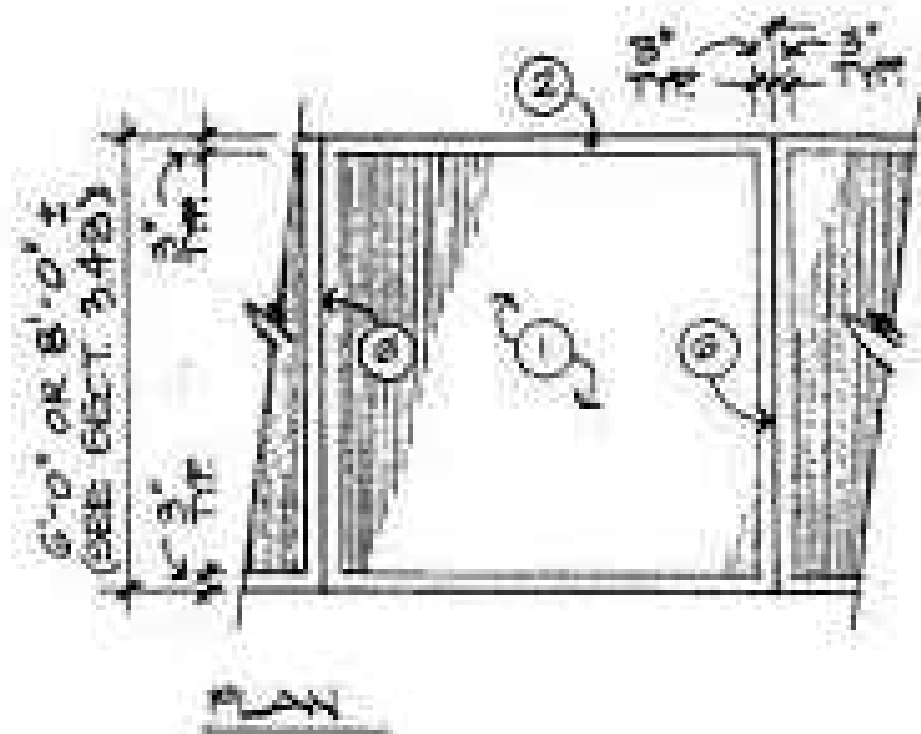
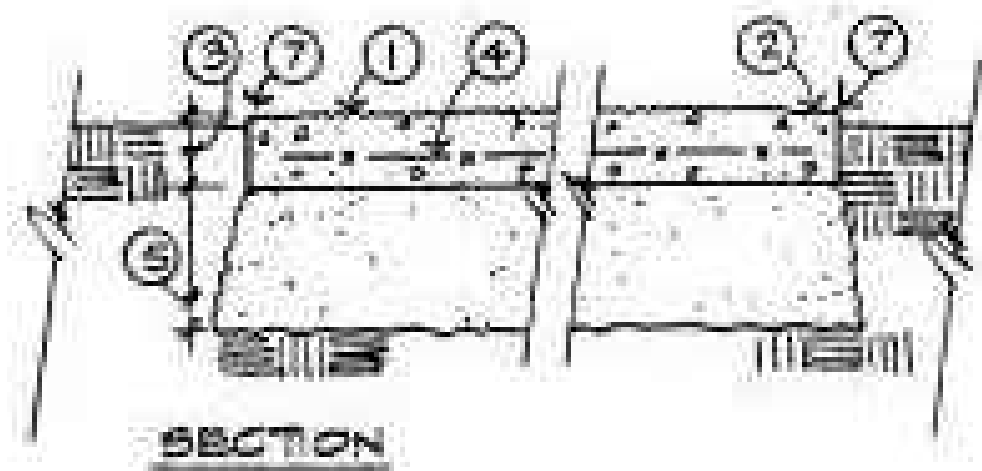
CITY OF PLEASANTON
Public Works Department



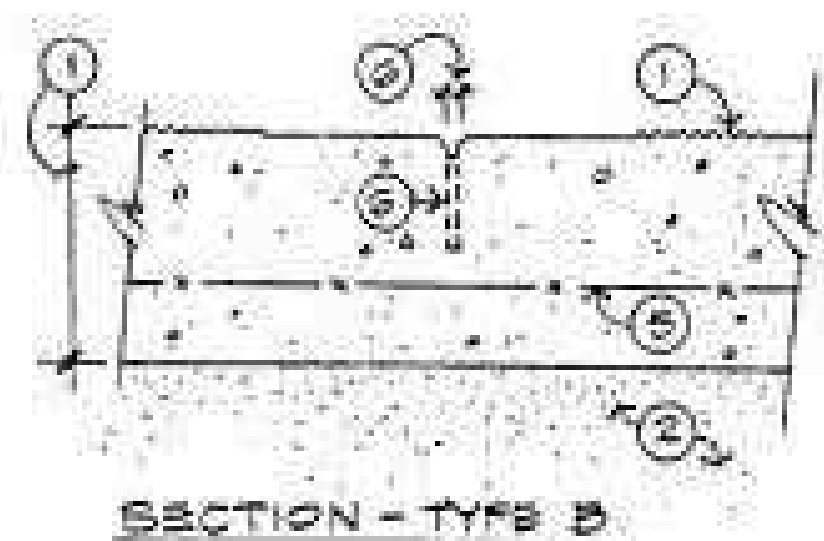
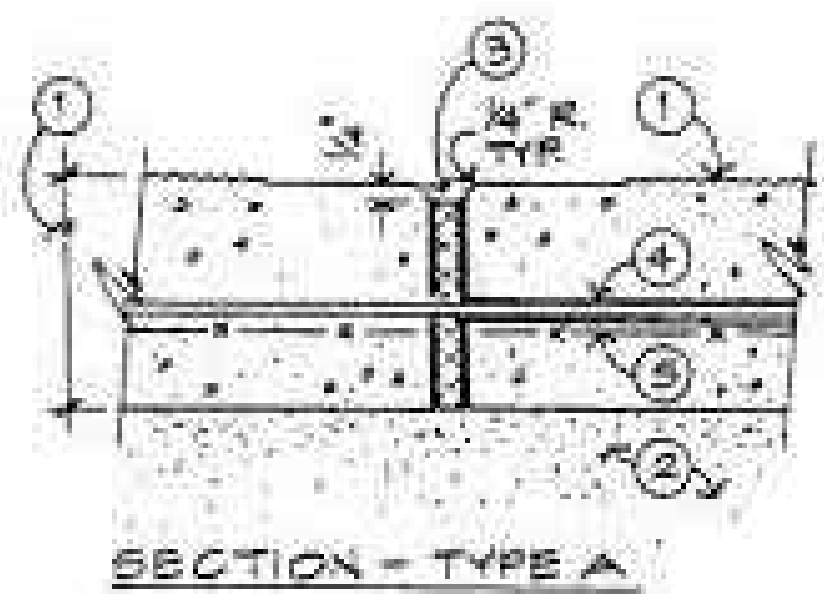
HOPYARD AND OWENS INTERSECTION IMPROVEMENT - CIP #15525
CONSTRUCTION DETAILS

DESIGN:	BK	SCALE:	AS SHOWN	DWG NO.
DRAWN:	JK	PROJECT NO.:	CIP-15525	
CHECKED:	MB	DATE:	AUGUST 2023	8 OF 36

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TYPICAL CONCRETE SIDEWALK @ P.S.E.



CONCRETE JOINTS

LEGEND

- 1) Concrete paving, medium broom finish. Brush perpendicular to direction of travel.
- 2) 3" smooth trowel band - all sides.
- 3) 4" at walks; 6" at drive surface.
- 4) Welded wire mesh as per schedule:
4" slab - 6 x 6 / W1.4 x W1.4
6" slab - 4 x 4 / W1.4 x W1.4
- 5) 8" non-expansive material - relatively impervious non-expansive subbase with plasticity Index of less than 15. Obtain approval from soils engineer prior to import. Saturate subsoil prior to construction.
- 6) Concrete joint:
Sidewalk at curb:
Type A @ 30' O.C. max. spacing.
Type B @ 10' O.C. max. spacing.
Sidewalk with parkway:
Type A @ 24' O.C. max. spacing.
Type B @ 8' O.C. max. spacing.
- 7) 1/2" radius - typical at all exposed edges.

NOTES

- a) At heavy concentrations of organic materials in sub-grade, 12" of additional excavation may be required, as recommended by soils engineer. Add non-expansive fill to these areas.
- b) Slope walk at 2% to street unless shown otherwise.
- c) Concrete paving adjacent to curbs shall be doweled per City standard.

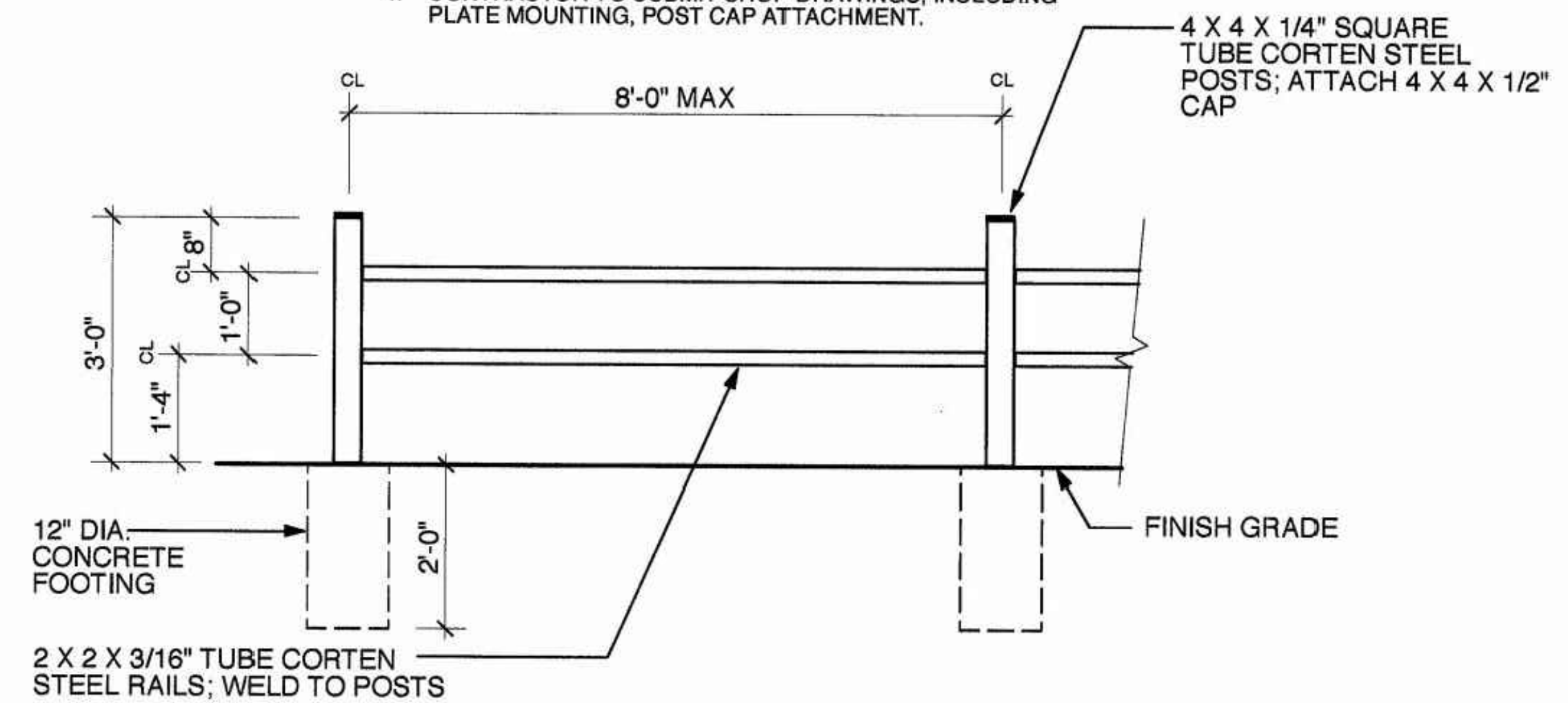
LEGEND

- 1) Concrete paving.
- 2) Impervious subbase.
- 3) 3/8" asphalt-impregnated fiber expansion board.
- 4) 15" - #4 dowel at 24" O.C. with sleeve at one side. 12" minimum clearance from edge of paving (at type A only).
- 5) Welded wire mesh: Cut at type A; continuous at type B.
- 6) 1/4" x 2" deep weakened plane joint with 1/4" R.

NOTE: THIS HACIENDA BUSINESS PARK DETAIL IS APPLICABLE TO THE SOUTH EAST CORNER OF HOPYARD AND OWENS INTERSECTION ONLY (SEE SHEET 13 AND 14). FOR THE RAISED BIKE PATH AND ALL OTHER SIDEWALK SEE COP DWG NO. 102.

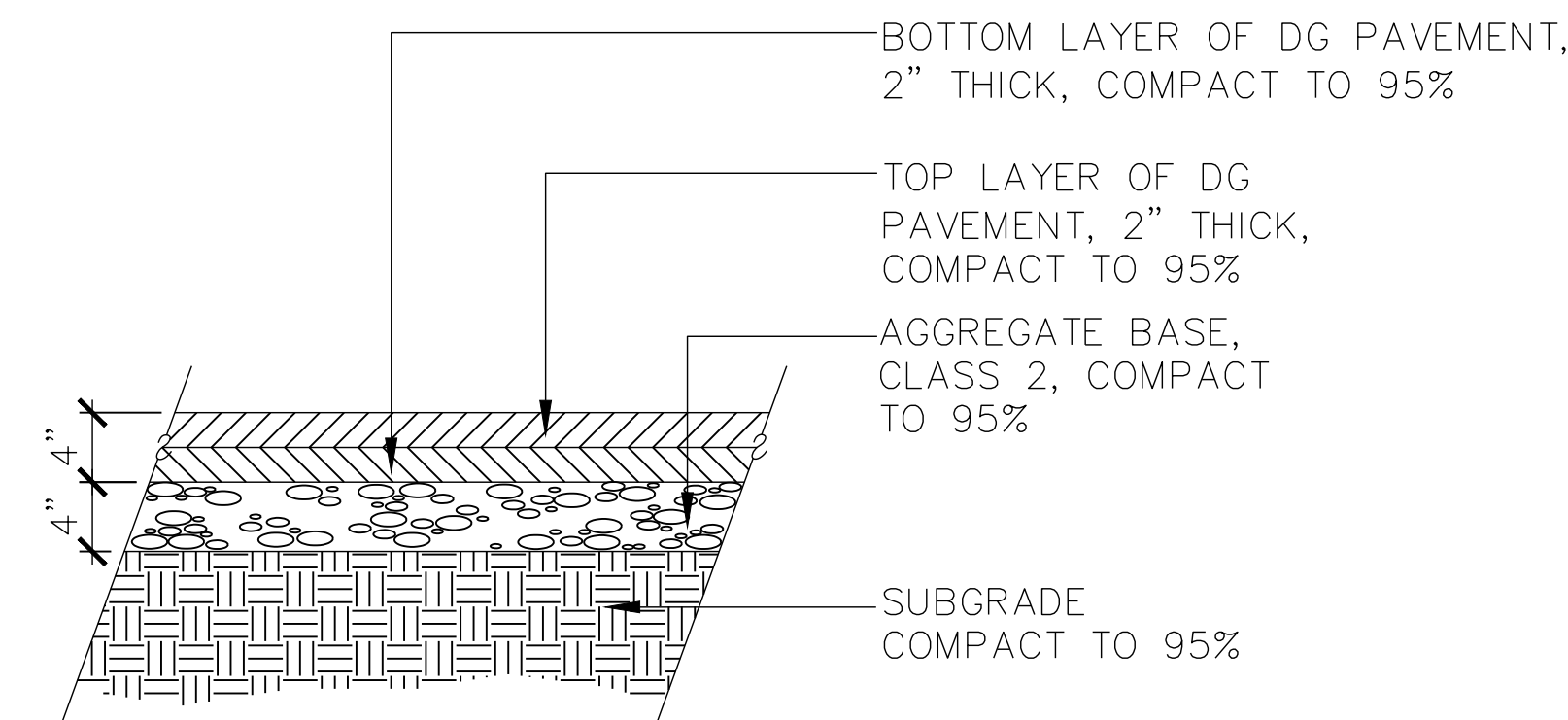
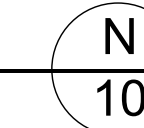
NOTES:

1. STEEL WELDS TO BE COMPATIBLE WITH ATMOSPHERIC CORROSION RESISTANCE OF CORTEN TUBE POSTS AND RAILS.
2. POST CAPS TO BE AFFIXED TO TOP OF POSTS USING NON-WELD METHOD.
3. ATTACH POSTS TO FOOTINGS WITH ATTACHMENT PLATE WITH FOUR MOUNTING BOLTS.
4. CONTRACTOR TO SUBMIT SHOP DRAWINGS, INCLUDING PLATE MOUNTING, POST CAP ATTACHMENT.



METAL FENCE (TYPE A)

NO SCALE



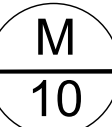
NOTE: BOTTOM LAYER OF DG PAVING SHALL BE COMPACTED BEFORE INSTALLATION OF TOP LAYER

DG PAVEMENT DETAIL

NO SCALE

HACIENDA BUSINESS PARK SIDEWALK DETAILS

NO SCALE

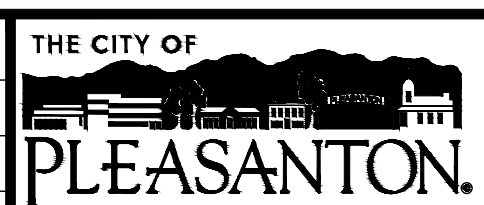


Michele Johnson
PROJECT ENGINEER
REGISTERED CIVIL ENGINEER

10/2/2023
DATE



REV.	DATE	DESCRIPTION



CITY OF PLEASANTON
Public Works Department

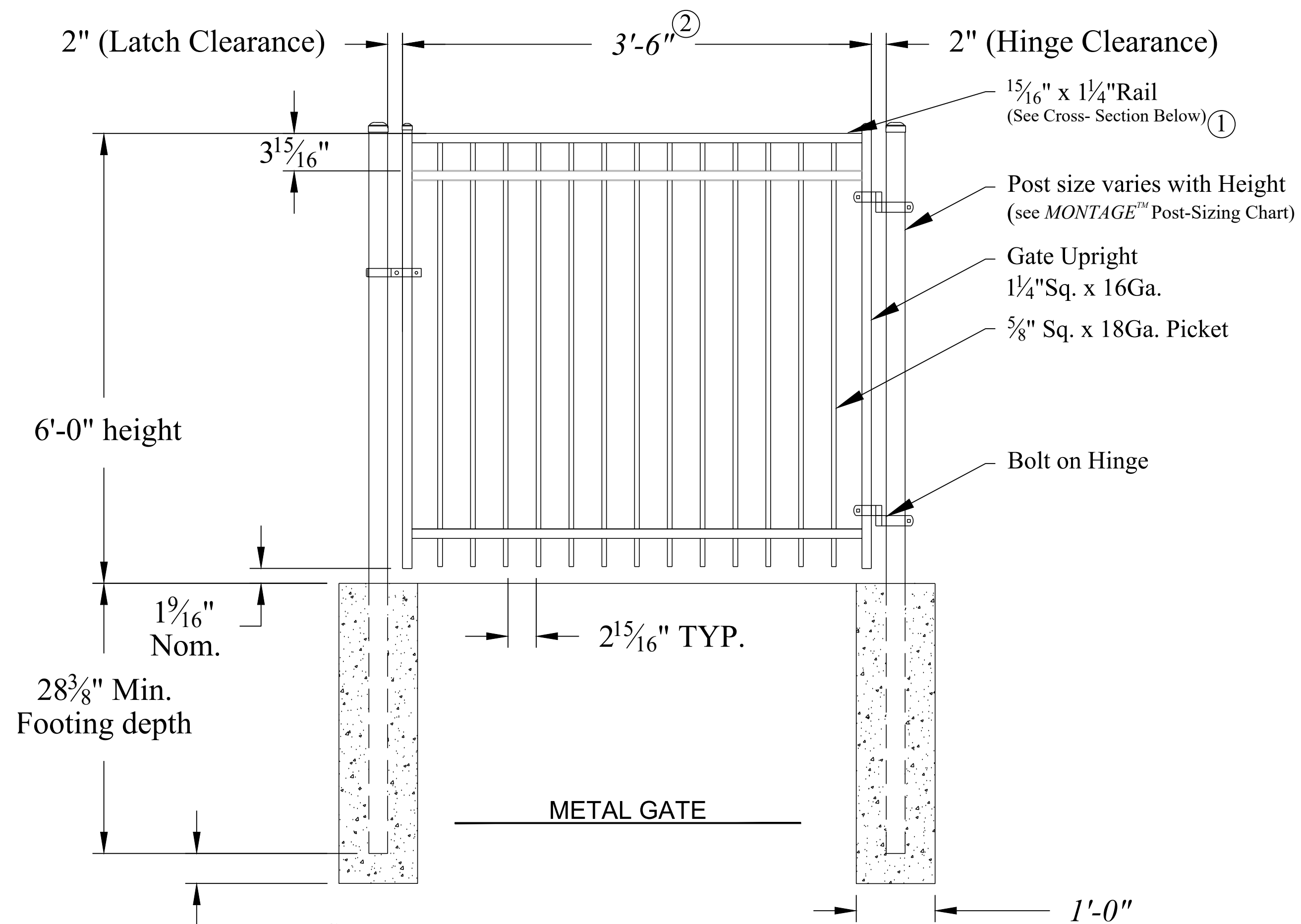


HOPYARD AND OWENS INTERSECTION IMPROVEMENT - CIP #15525

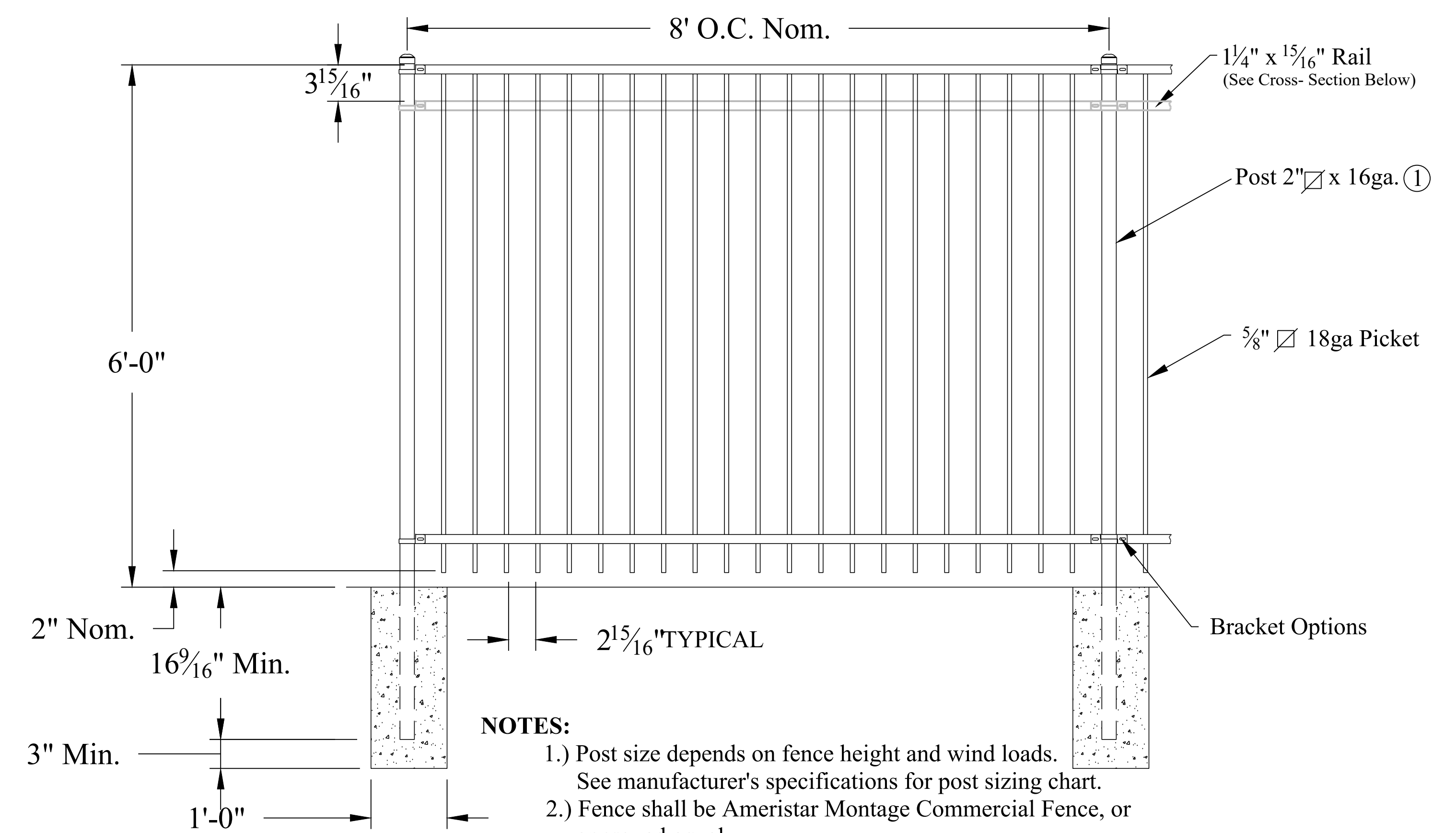
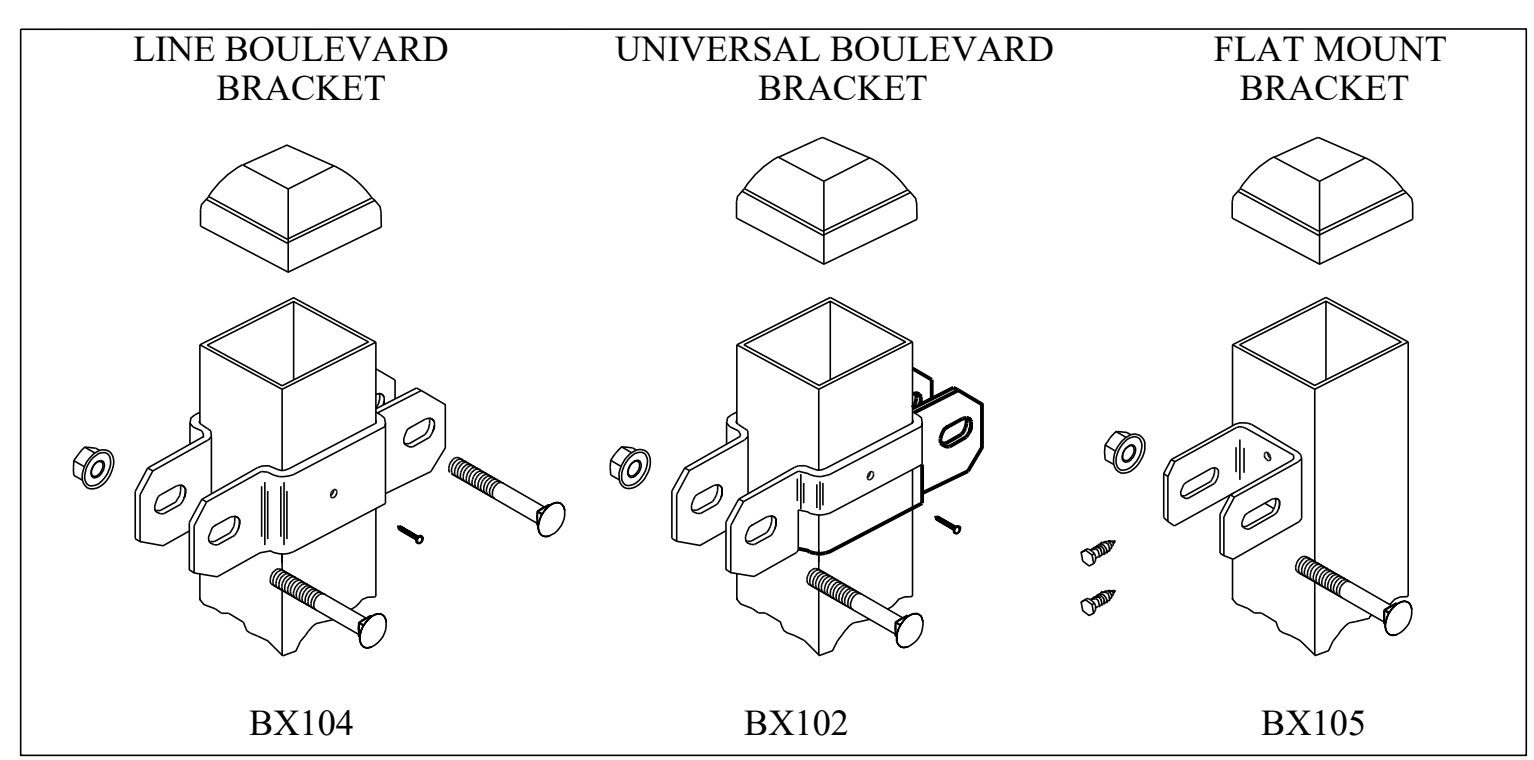
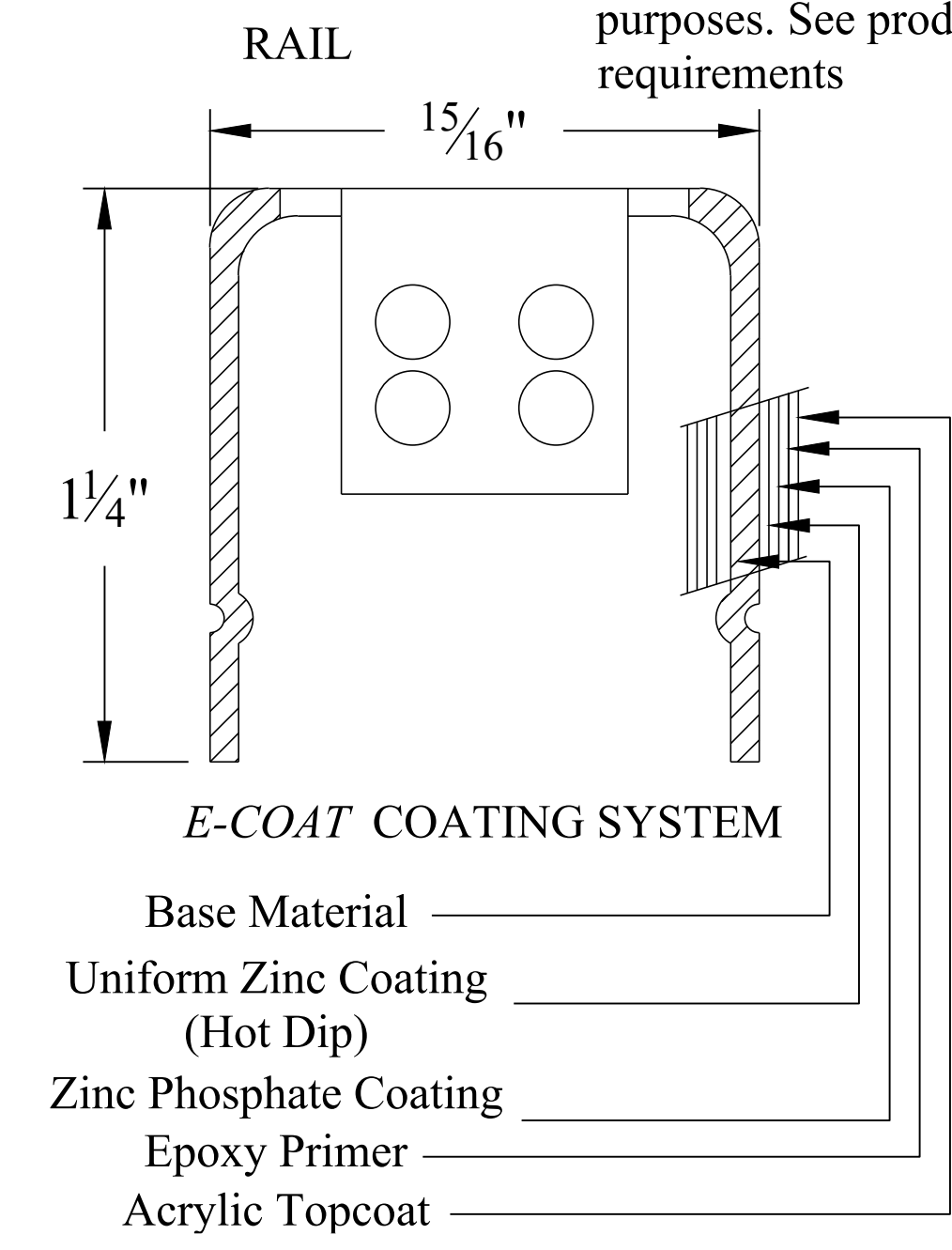
CONSTRUCTION DETAILS

DESIGN:	BK	SCALE:	NTS	DWG NO.
DRAWN:	JK	PROJECT NO.:	CIP-15525	
CHECKED:	MB	DATE:	AUGUST 2023	10 OF 36

MA\CCQ_Clients\Pleasanton\222-100 Hopyard and Owens Intersection Improvements\500-Design\505 - CADD Files\Sheets\22-100 - Cons Detail1.dwg 11:30:23 11:19am jackson.kravets



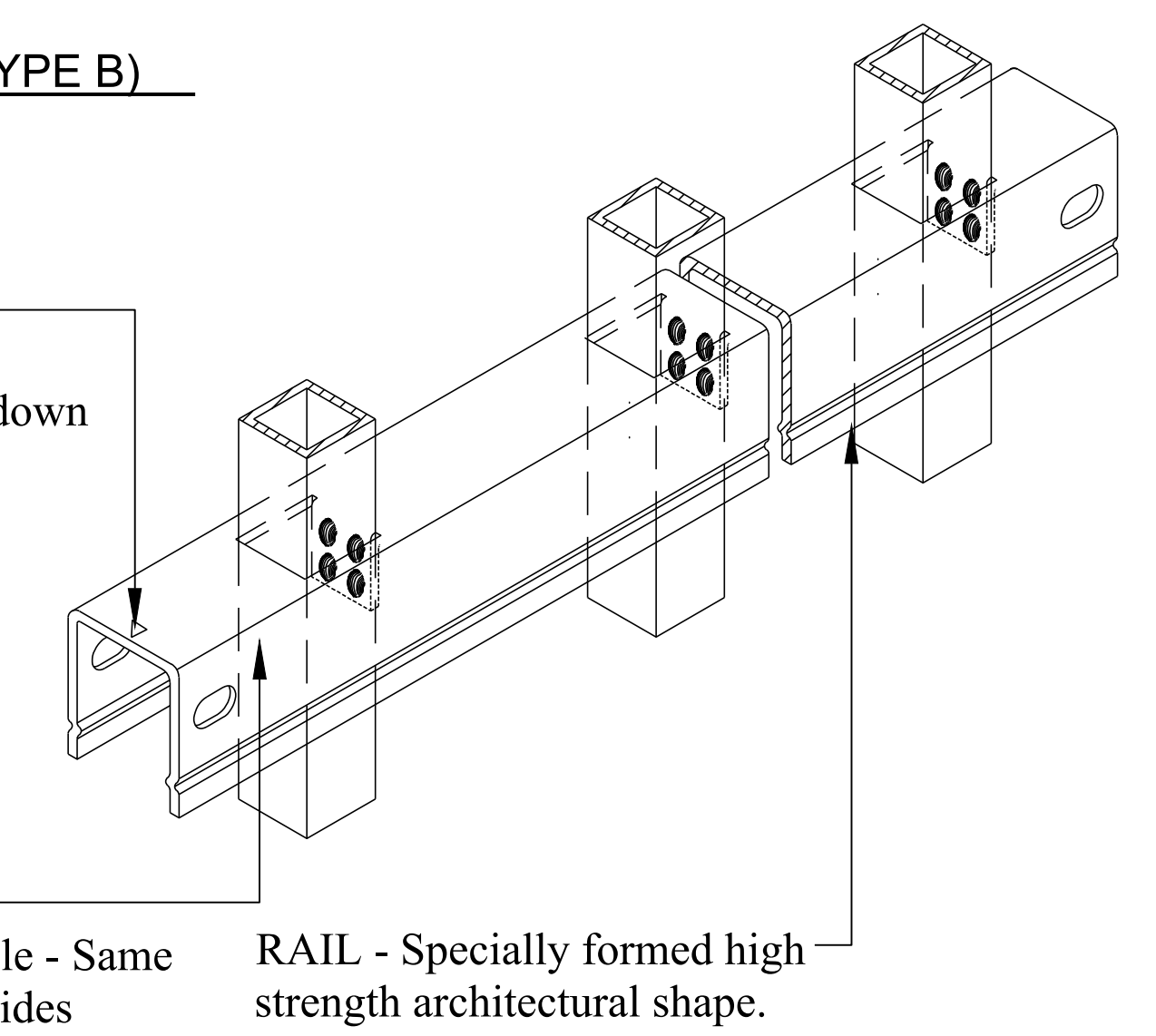
- NOTES:**
- 1.) Post size depends on fence height, weight and wind loads. See manufacturer's specifications for post sizing chart.
 - 2.) Gate shall be Ameristar Montage Commercial Gate or approved equal. See Ameristar gate table for standard out to outs. Custom gate openings available for special out to out/leaf widths.
 - 3.) Values shown are nominal and not to be used for installation purposes. See product specification for installation requirements



- NOTES:**
- 1.) Post size depends on fence height and wind loads. See manufacturer's specifications for post sizing chart.
 - 2.) Fence shall be Ameristar Montage Commercial Fence, or approved equal.
 - 3.) Values shown are nominal and not to be used for installation purposes. See product specification for installation requirements

METAL FENCE (TYPE B)

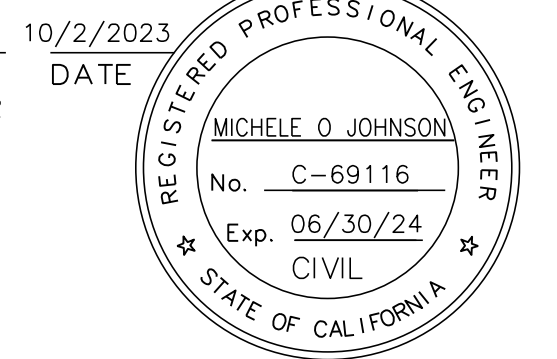
RAKING DIRECTIONAL ARROW
 Welded panel can be raked 45° over 8' with arrow pointing down grade.



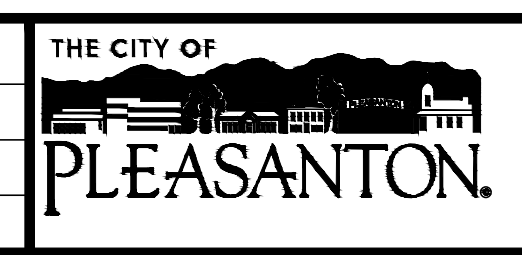
METAL FENCE (TYPE B) AND GATE

NO SCALE

Michele Johnson
 PROJECT ENGINEER
 REGISTERED CIVIL ENGINEER



REV.	DATE	DESCRIPTION



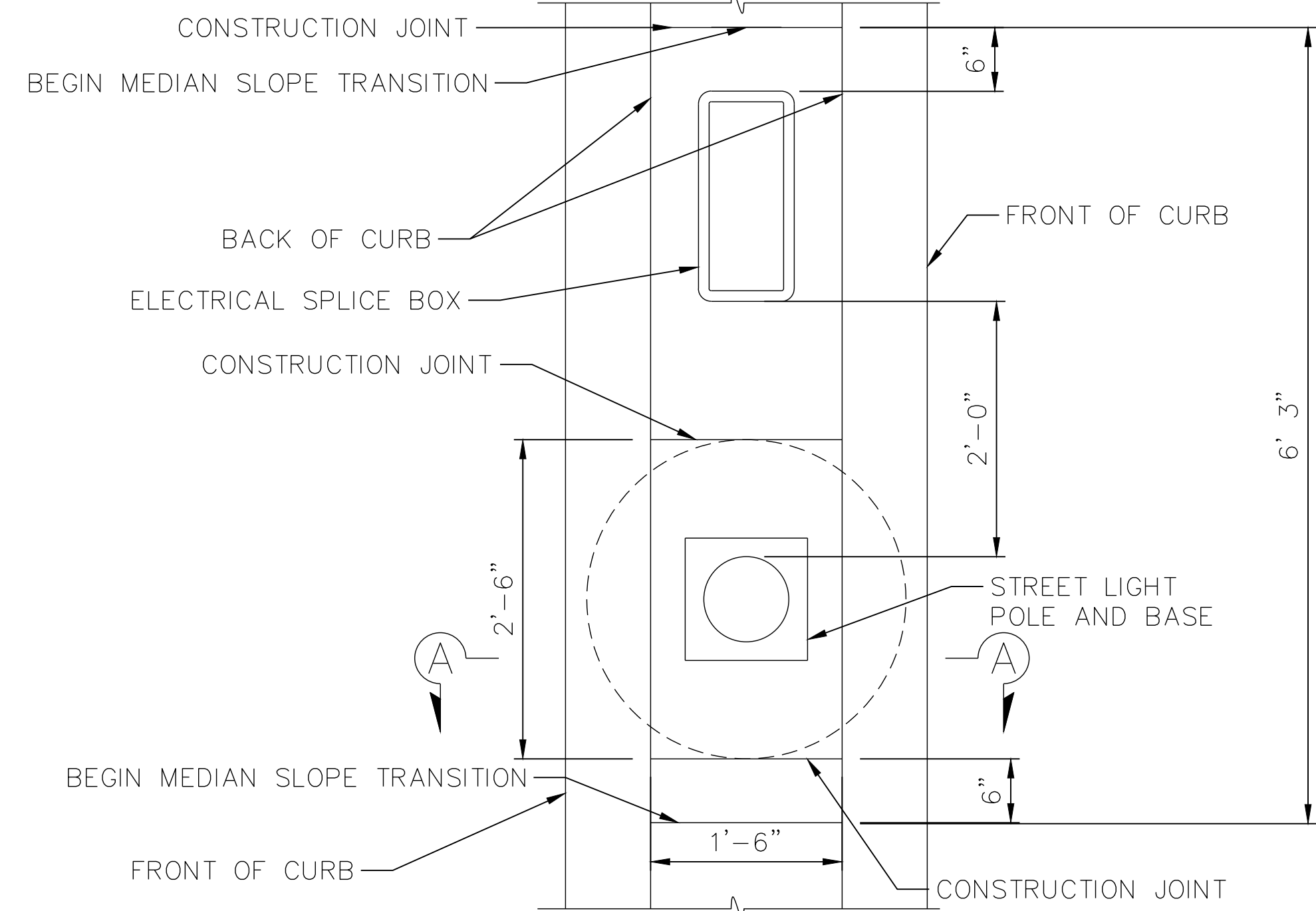
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 Public Works Department



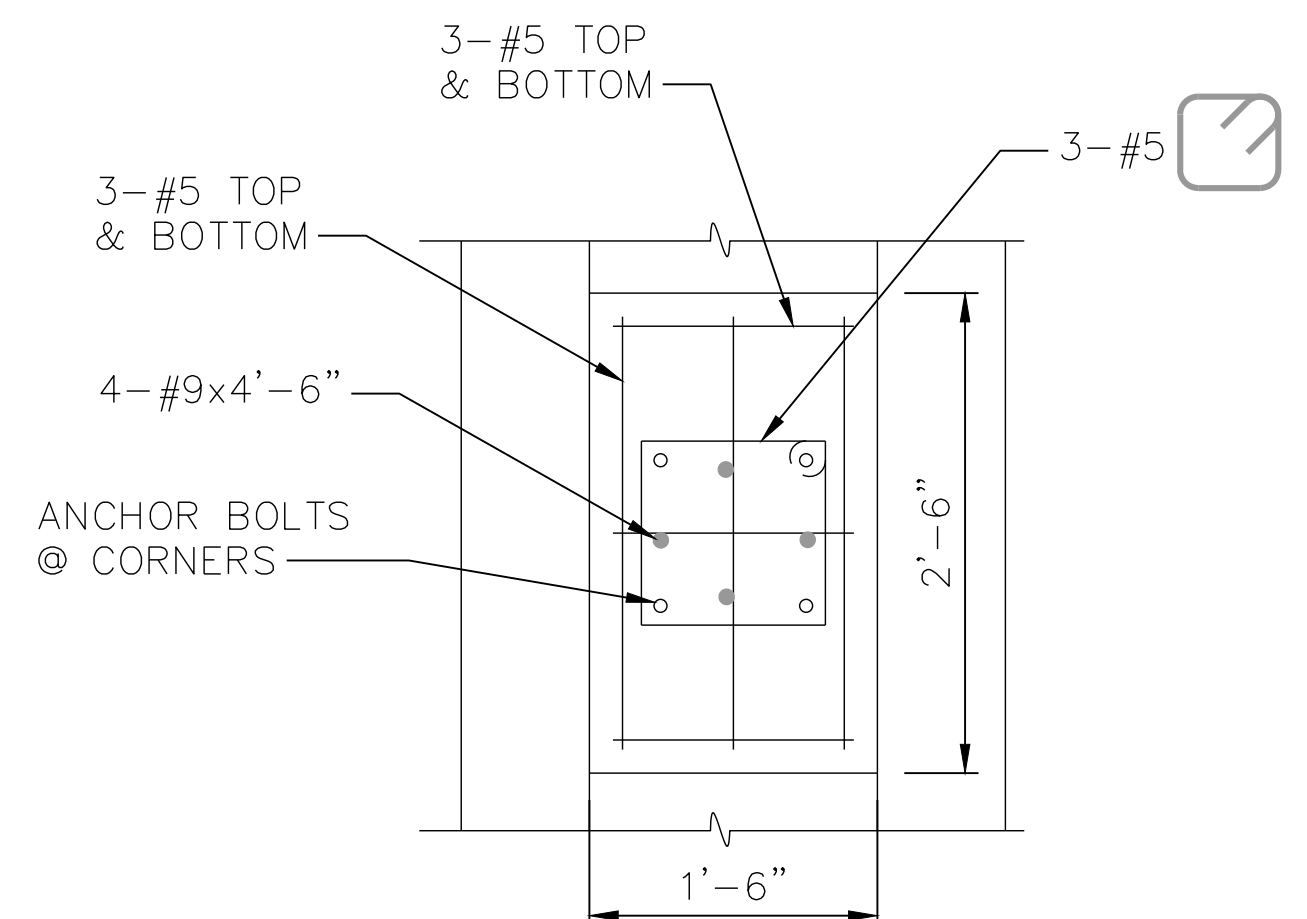
HOPYARD AND OWENS INTERSECTION IMPROVEMENT - CIP #15525
 CONSTRUCTION DETAILS

DESIGN:	BK	SCALE:	AS SHOWN	DWG NO.
DRAWN:	JK	PROJECT NO.:	CIP-15525	
CHECKED:	MB	DATE:	AUGUST 2023	11 OF 36

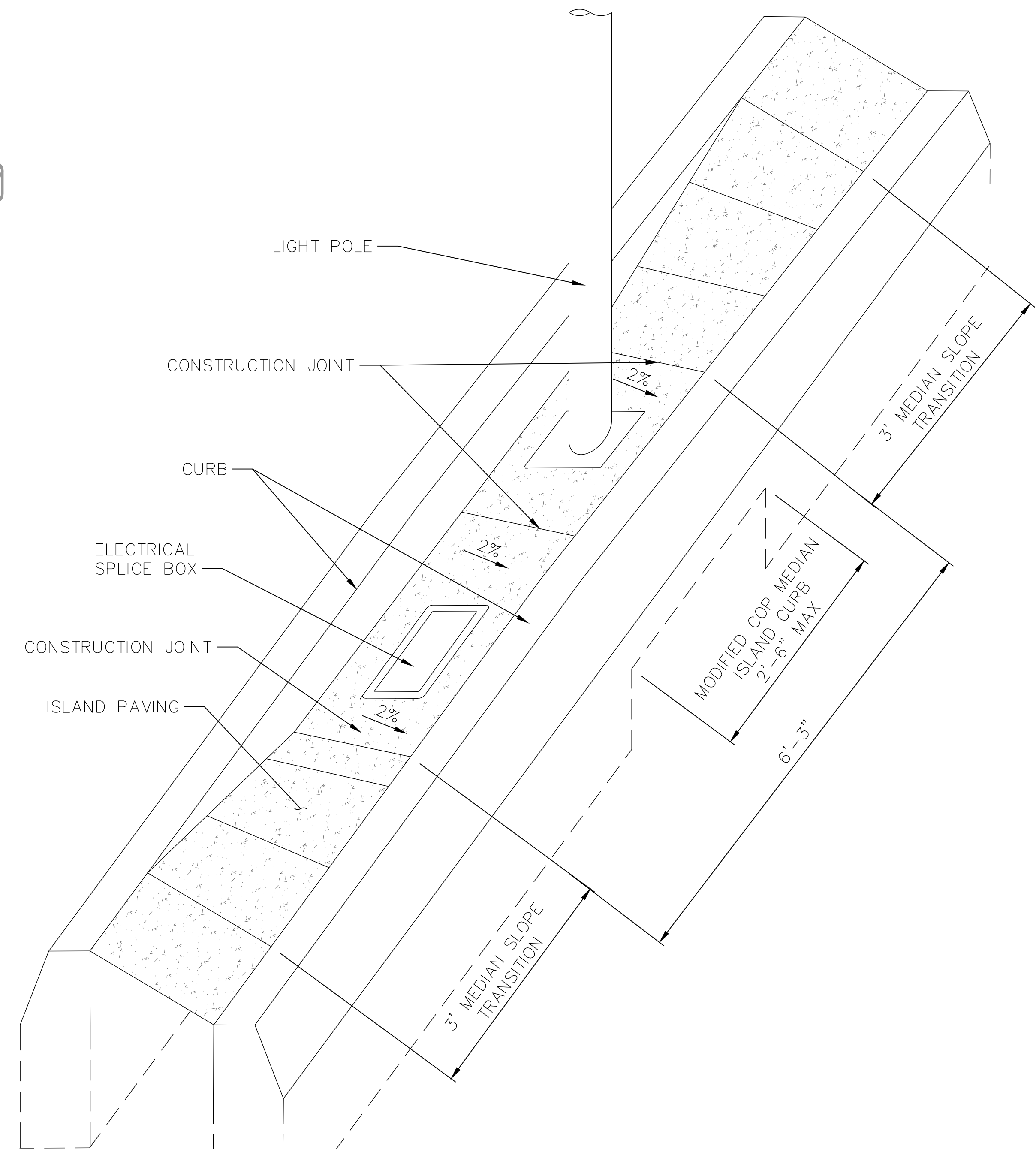
MA\CCO_Client\Projects\222-100 Hopyard and Owens Intersection Improvements\500-Design\505 - CADD Files\Sheets\222-100 - Cons Details.dwg 11:30:23 11:19am jackson.kravets



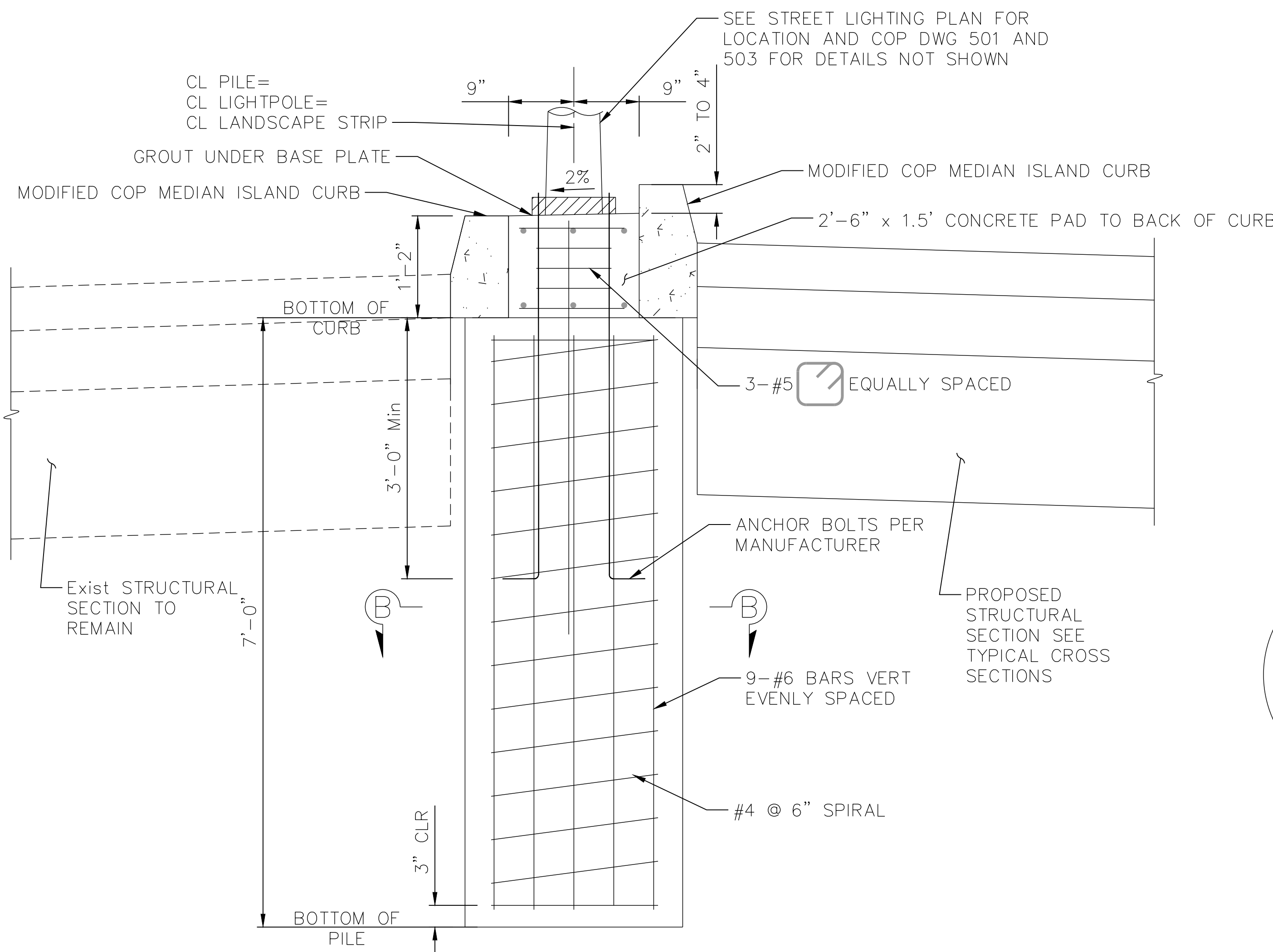
PLAN VIEW
NO SCALE



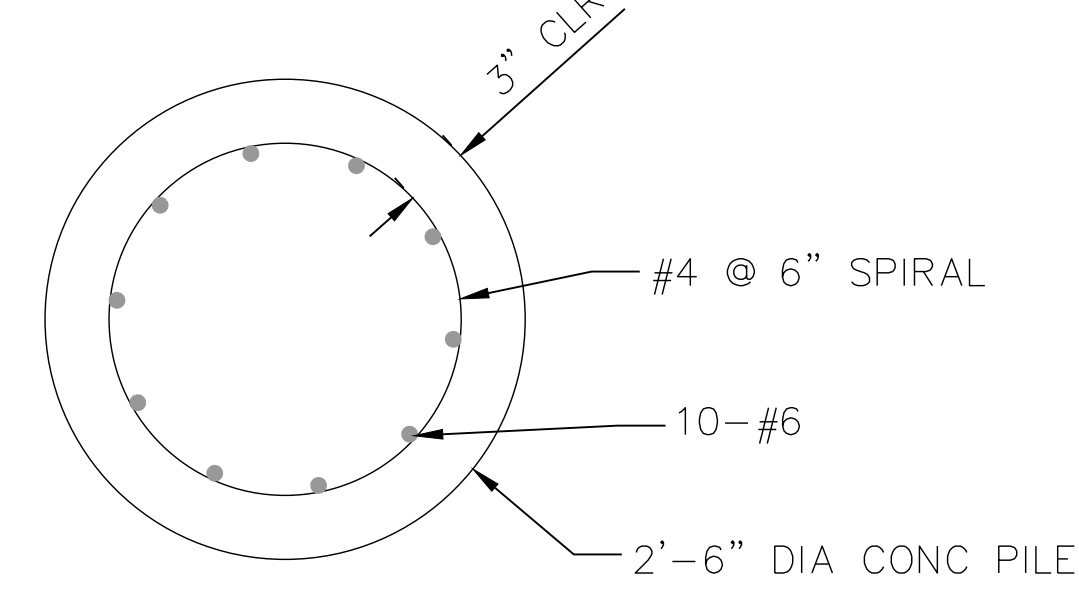
CONCRETE PAD DETAIL
NO SCALE



MEDIAN SLOPE TRANSITION DETAIL (AT LIGHT POLE)
NO SCALE



SECTION A-A
NO SCALE



SECTION B-B
NO SCALE

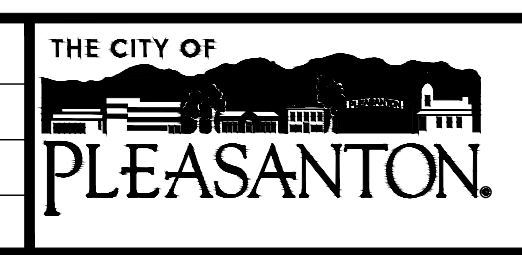
LIGHT POST FOUNDATION DETAIL
NO SCALE

Michele Johnson
 PROJECT ENGINEER
 REGISTERED CIVIL ENGINEER

10/2/2023
DATE



REV.	DATE	DESCRIPTION



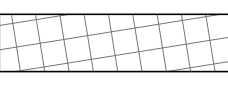
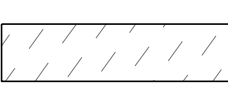
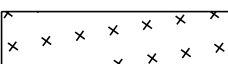

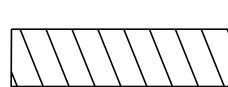
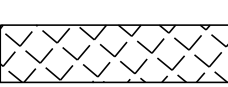
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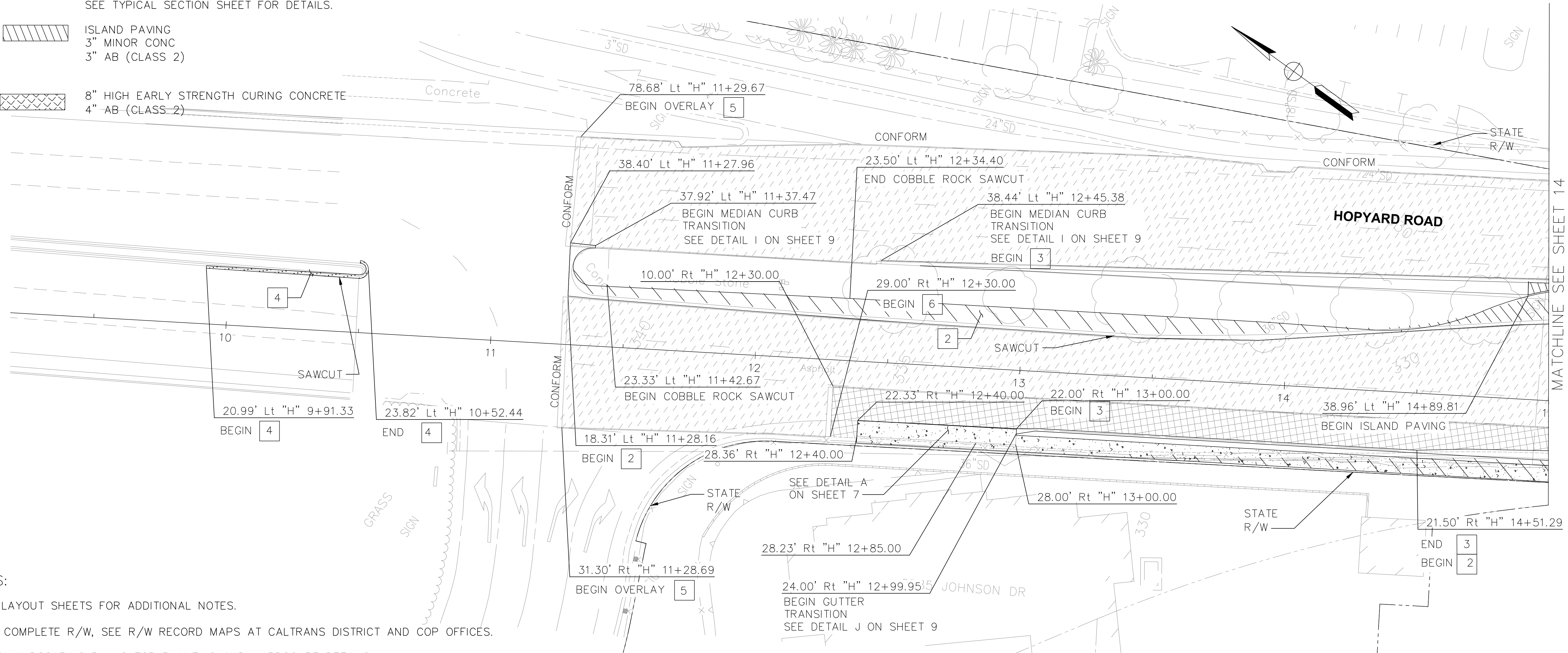


HOPYARD AND OWENS INTERSECTION IMPROVEMENT - CIP #15525
 CONSTRUCTION DETAILS

DESIGN:	BK	SCALE:	NTS	DWG NO.
DRAWN:	JK	PROJECT NO.:	CIP-15525	
CHECKED:	MB	DATE:	AUGUST 2023	12 OF 36

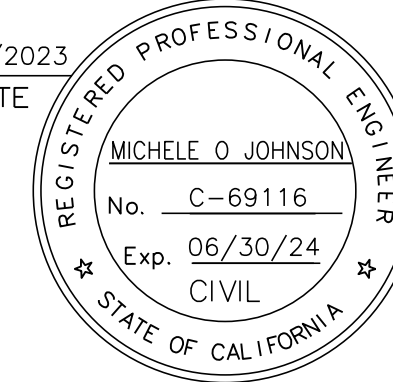
LEGEND:

- 6  0.15' COLD PLANE AC PAV
Var (0.15'-0.50') 1/2" HMA (TYPE A)
- 5  0.15' COLD PLANE AC PAV
0.15' 1/2" HMA (TYPE A)
-  HACIENDA BUSINESS PARK SIDEWALK DETAIL SEE SHEET 10
-  CONCRETE RAISED BIKE PATH AND SIDEWALK
SEE COP DWG NO. 102
- # STRUCTURAL SECTION NUMBER
SEE TYPICAL SECTION SHEET FOR DETAILS.
-  ISLAND PAVING
3" MINOR CONC
3" AB (CLASS 2)
-  8" HIGH EARLY STRENGTH CURING CONCRETE
4" AB (CLASS-2)




- NOTES:
1. SEE LAYOUT SHEETS FOR ADDITIONAL NOTES.
 2. FOR COMPLETE R/W, SEE R/W RECORD MAPS AT CALTRANS DISTRICT AND COP OFFICES.
 3. SEE LANDSCAPING PLANS FOR PLANTING AND HARDSCAPE DETAILS.
 4. ADJUST UTILITY COVER BY LOWERING TO ALLOW MILLING WITHOUT DAMAGING UTILITY ASSETS AND RE-ADJUST UTILITY COVER BY RAISING TO NEW FINISH GRADE ELEVATION. SEE UTILITY SHEETS FOR ADDITIONAL INFORMATION.
 5. ISOLATED PAVEMENT REPAIR IS REQUIRED PRIOR TO FINISH RESURFACING/PAVING OPERATION. ISOLATED PAVEMENT REPAIR/BASE REPAIR LOCATIONS TO BE MARKED IN THE FIELD AFTER COMPLETION OF COLD-PLANE OPERATION. LENGTH AND WIDTH OF BASE REPAIR AREA VARIES WITH A MINIMUM WIDTH OF 6 FEET.
 6. SLURRY SEAL LIMITS NOT SHOWN. SEE NOTE 7 ON SHEET 3 FOR LIMITS.

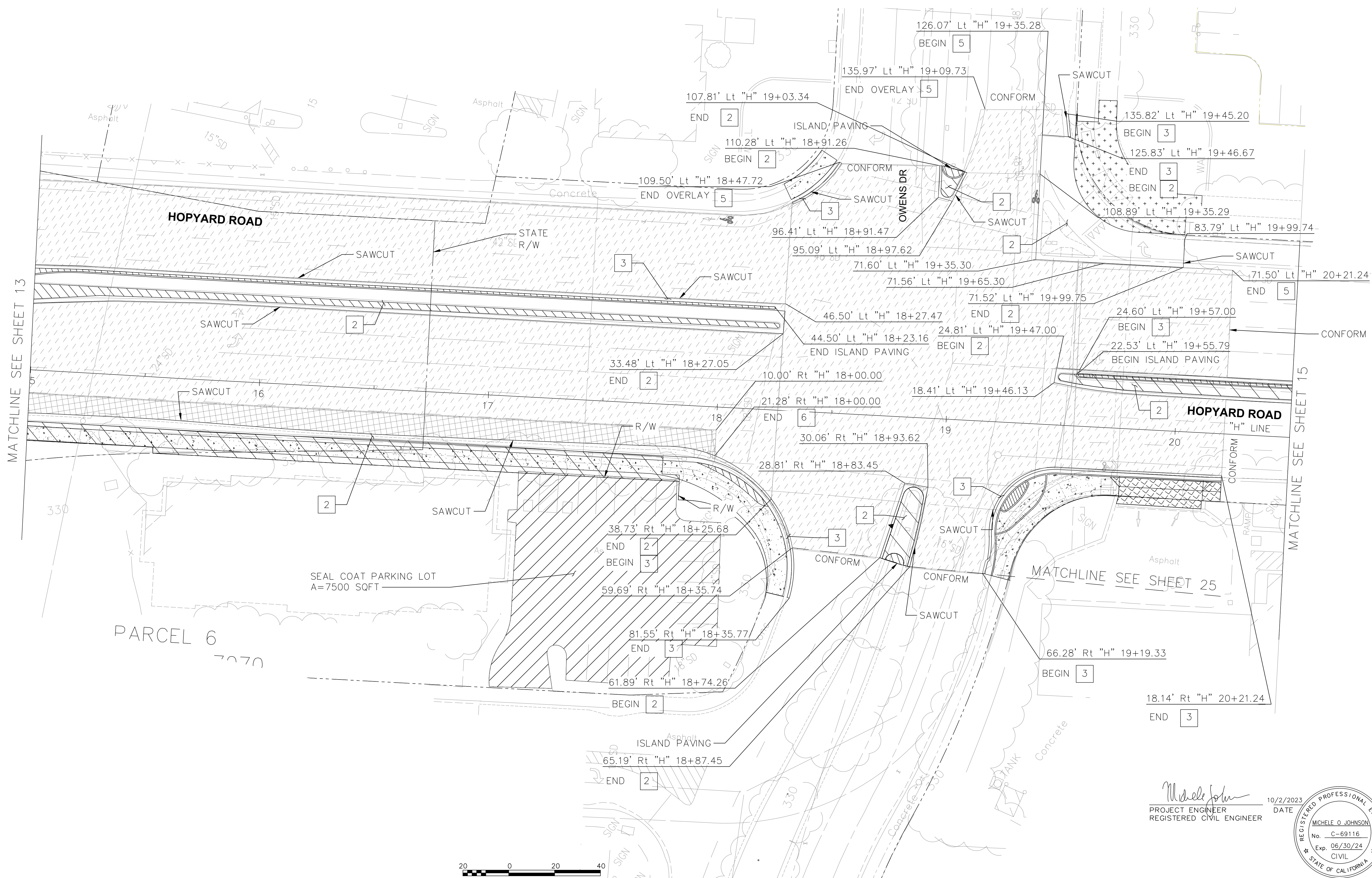
Michele Johnson
 PROJECT ENGINEER
 REGISTERED CIVIL ENGINEER
 10/2/2023
 DATE

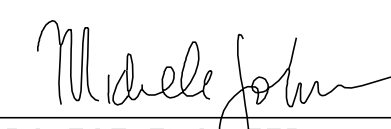


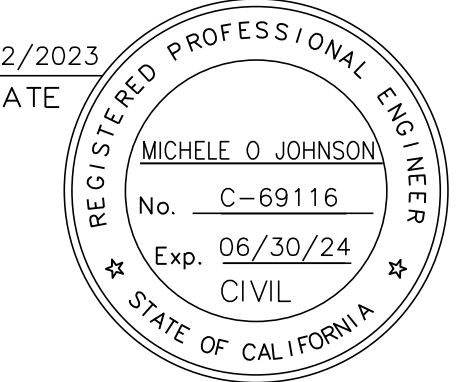

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REV.	DATE	DESCRIPTION	 THE CITY OF PLEASANTON	CITY OF PLEASANTON Public Works Department	 consor <small>344 Thomas L. Berkley Way, Suite 302C Oakland, California 94612 P: 925.416.1500</small>	HOPYARD AND OWENS INTERSECTION IMPROVEMENT - CIP #15525 CONSTRUCTION DETAILS - PAVEMENT STRUCTURAL SECTION & OVERLAY	DESIGN: BK	DRAWN: JK	CHECKED: MB	SCALE: 1" = 20'	PROJECT NO.: CIP-15525	DATE: AUGUST 2023	DWG NO. 13 OF 36
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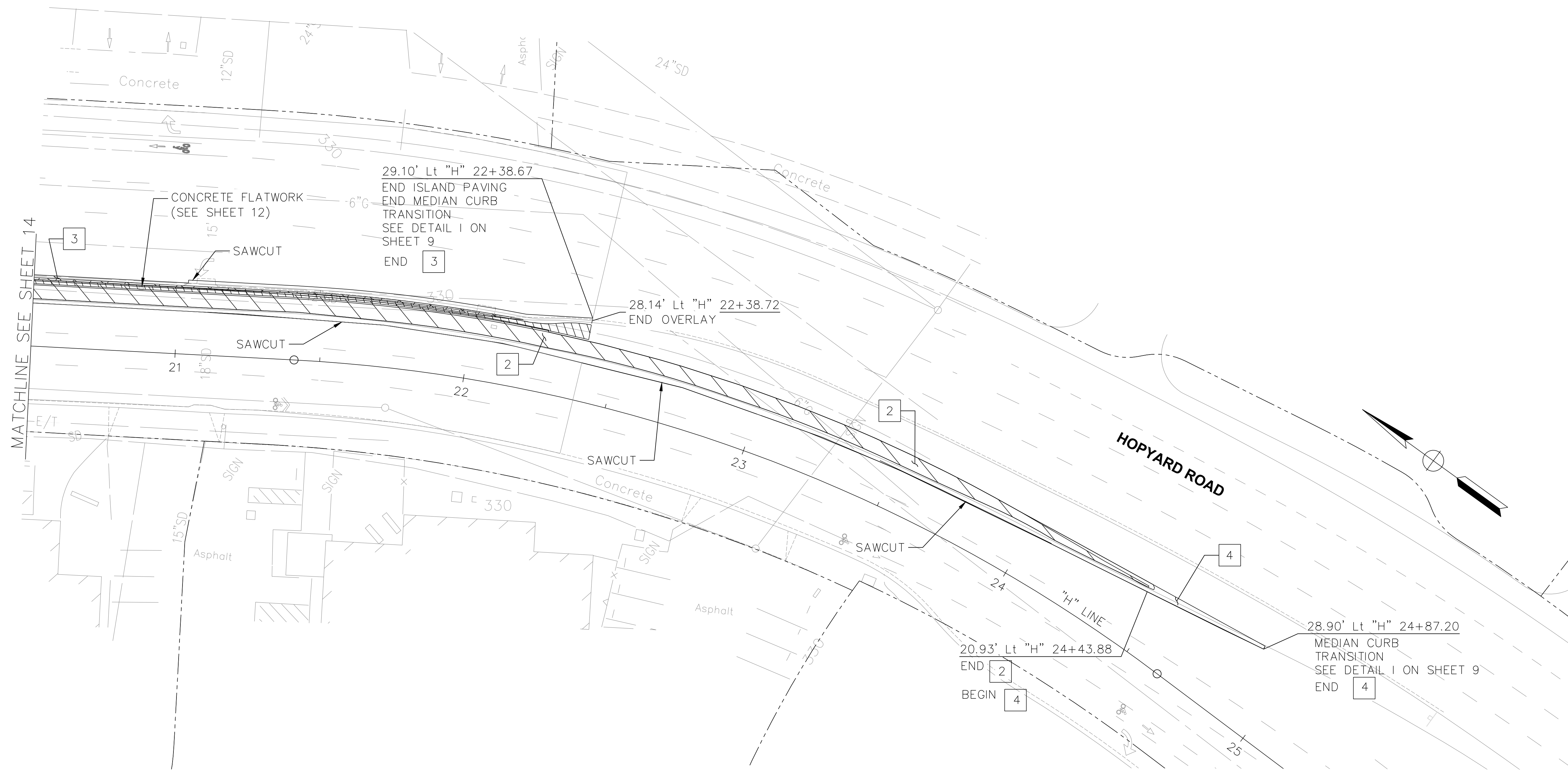



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 DATE: 10/2/2023



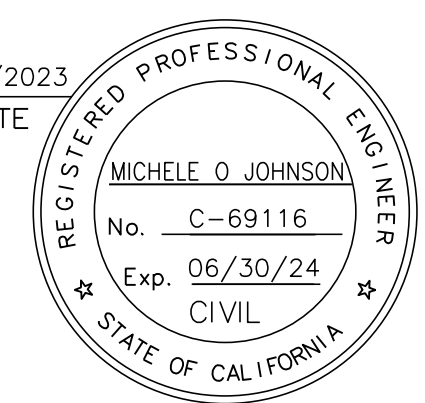
REV.	DATE	DESCRIPTION	 CITY OF PLEASANTON Public Works Department		 consor <small>344 Thomas L. Berkley Way, Suite 302C Oakland, California 94612 P: 925.416.1500</small>		HOPYARD AND OWENS INTERSECTION IMPROVEMENT - CIP #15525 CONSTRUCTION DETAILS - PAVEMENT STRUCTURAL SECTION & OVERLAY			DESIGN: BK	SCALE: 1" = 20'	DWG NO.
										DRAWN: JK	PROJECT NO.: CIP-15525	
										CHECKED: MB	DATE: AUGUST 2023	14 OF 36

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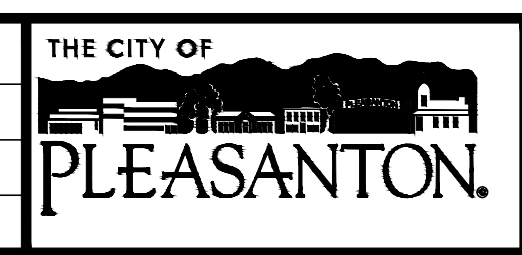


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10/2/2023
 DATE



REV.	DATE	DESCRIPTION



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 Public Works Department



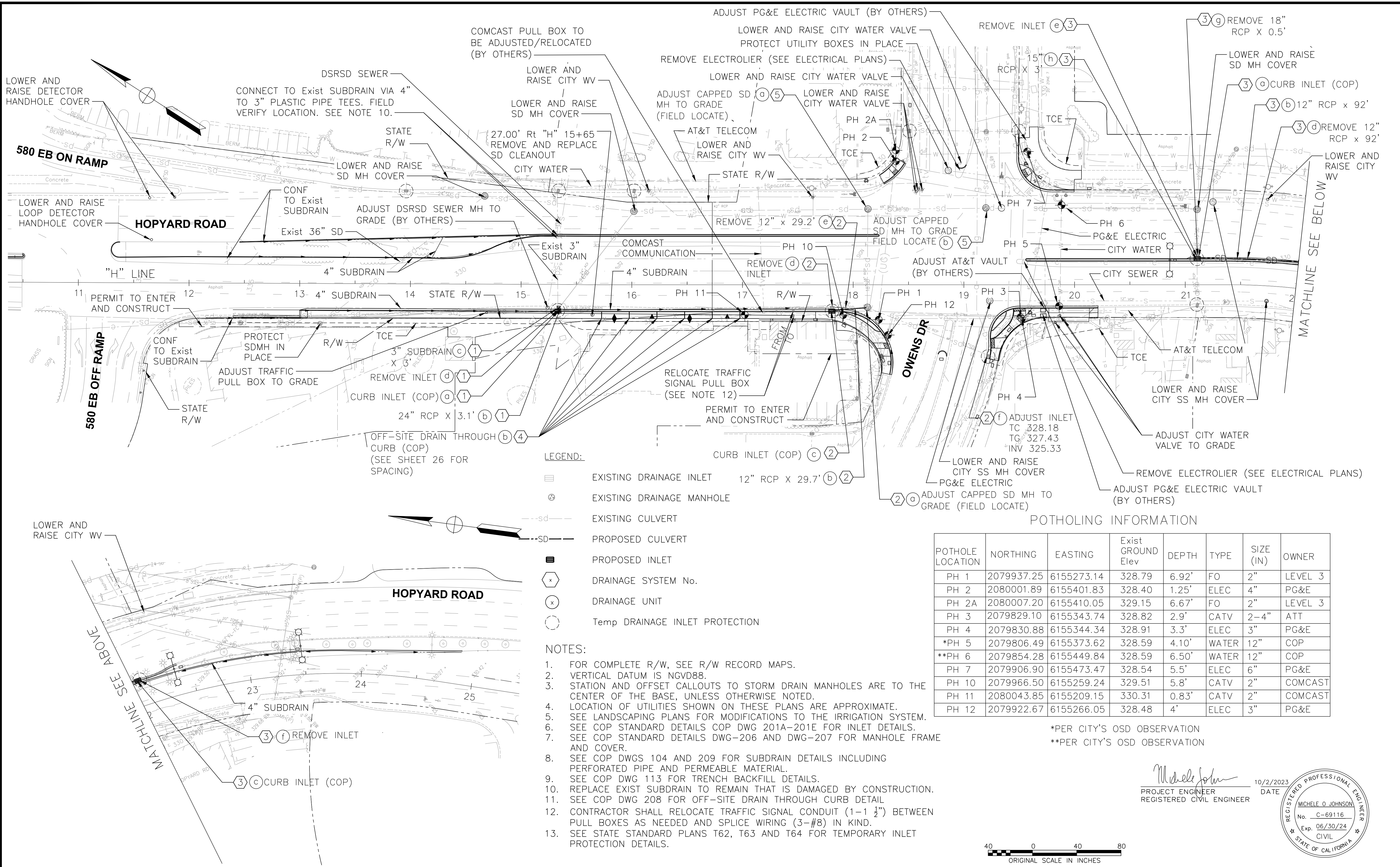
HOPYARD AND OWENS INTERSECTION IMPROVEMENT - CIP #15525
 CONSTRUCTION DETAILS - PAVEMENT STRUCTURAL SECTION & OVERLAY

DESIGN:	BK
DRAWN:	JK
CHECKED:	MB

SCALE:	1" = 20'
PROJECT NO.:	CIP-15525
DATE:	AUGUST 2023

DWG NO.
 15 OF 36

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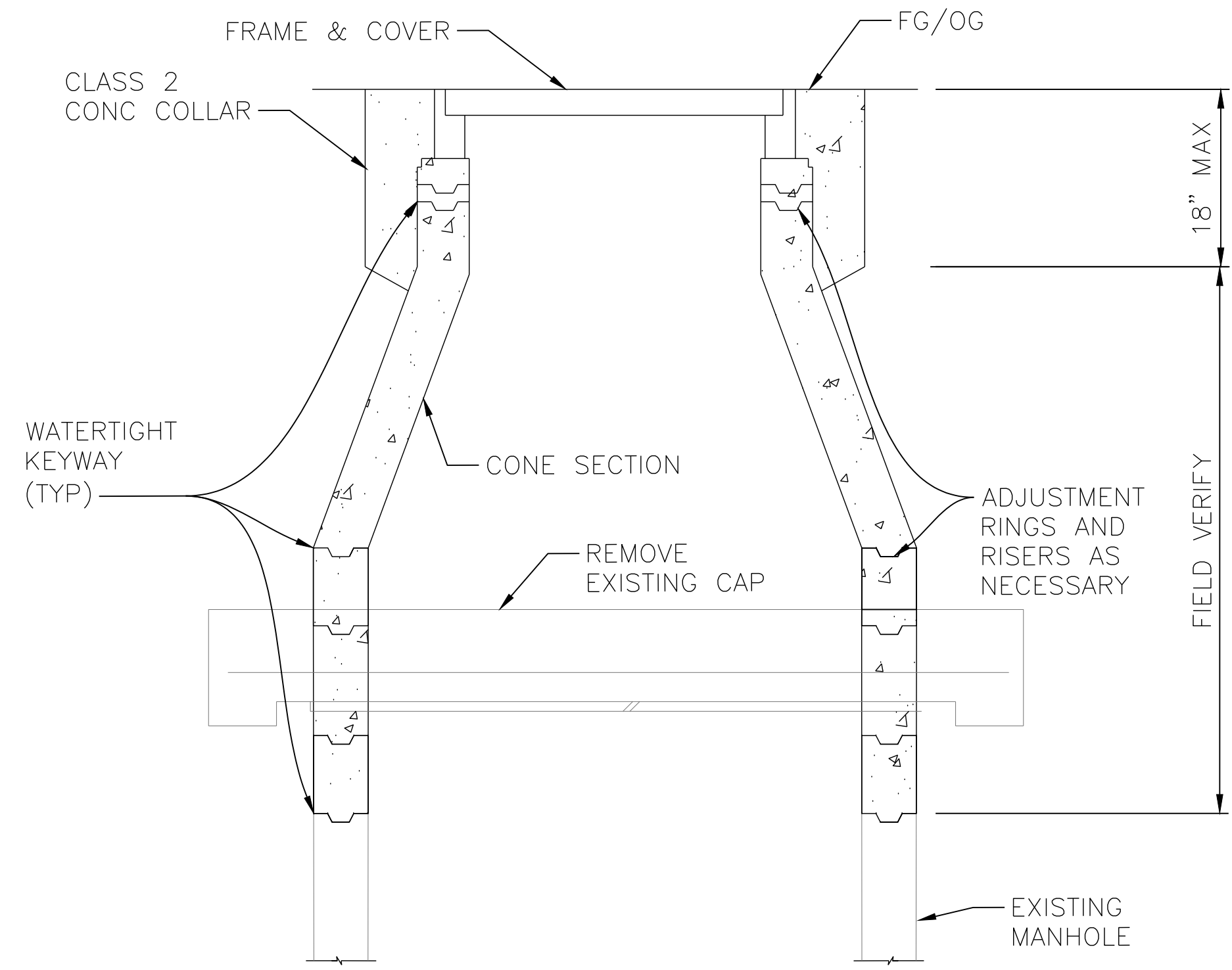


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 10/2/2023 DATE



GENERAL NOTES:

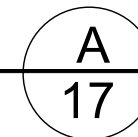
1. VERTICAL DATUM IS NAVD88.
2. ALL TIES TO STORM DRAIN MANHOLES ARE TO BE AT THE CENTER OF THE BASE, UNLESS OTHERWISE NOTED.
3. ALL TIES TO STORM DRAIN INLETS ARE TO BE AT THE CENTER OF THE BOX AT THE GUTTER FLOWLINE, UNLESS OTHERWISE NOTED.



NOTE: SEE COP STD DWG 203, 205, 206, AND 207 FOR DETAILS NOT SHOWN.

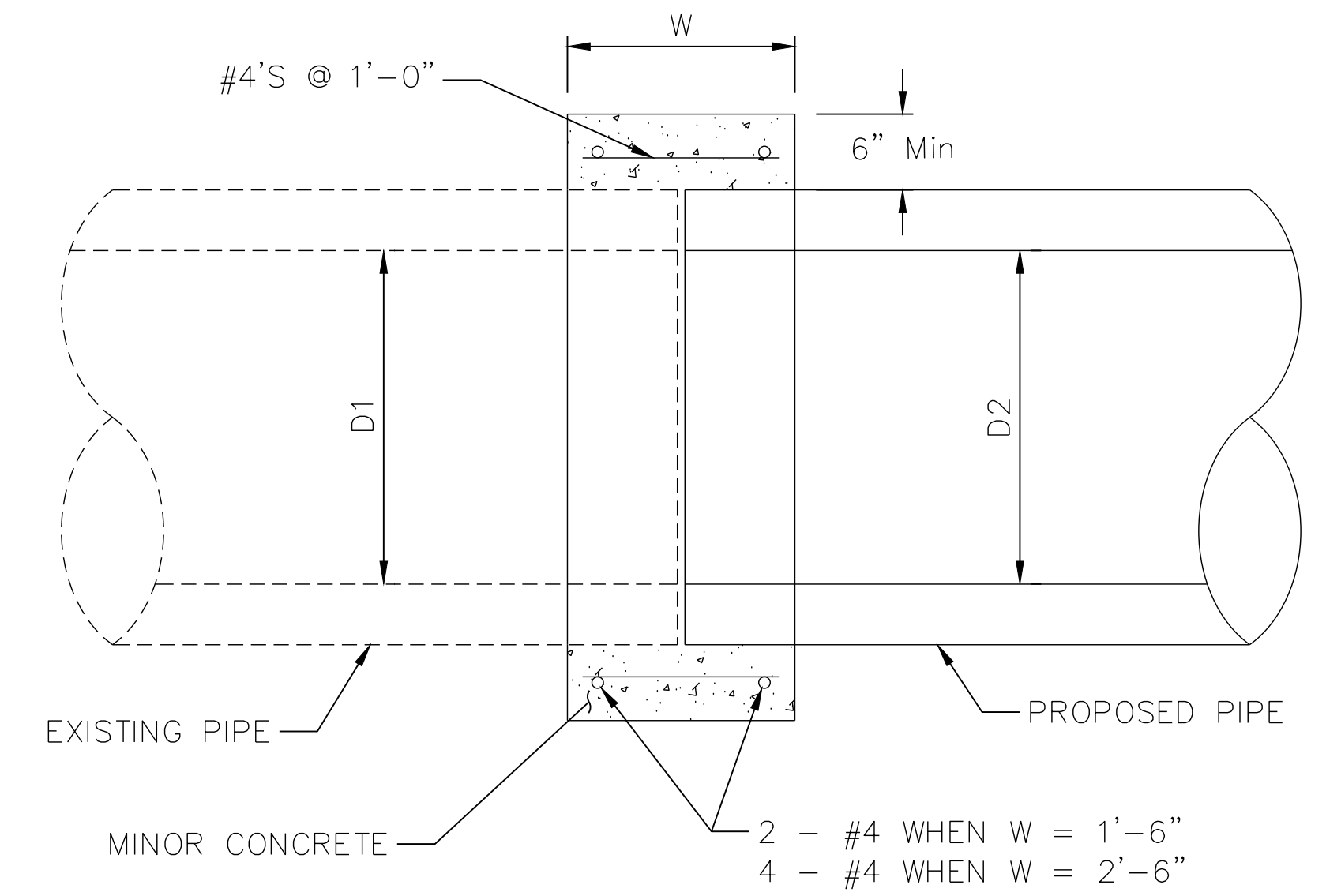
ADJUST MANHOLE TO GRADE

NTS



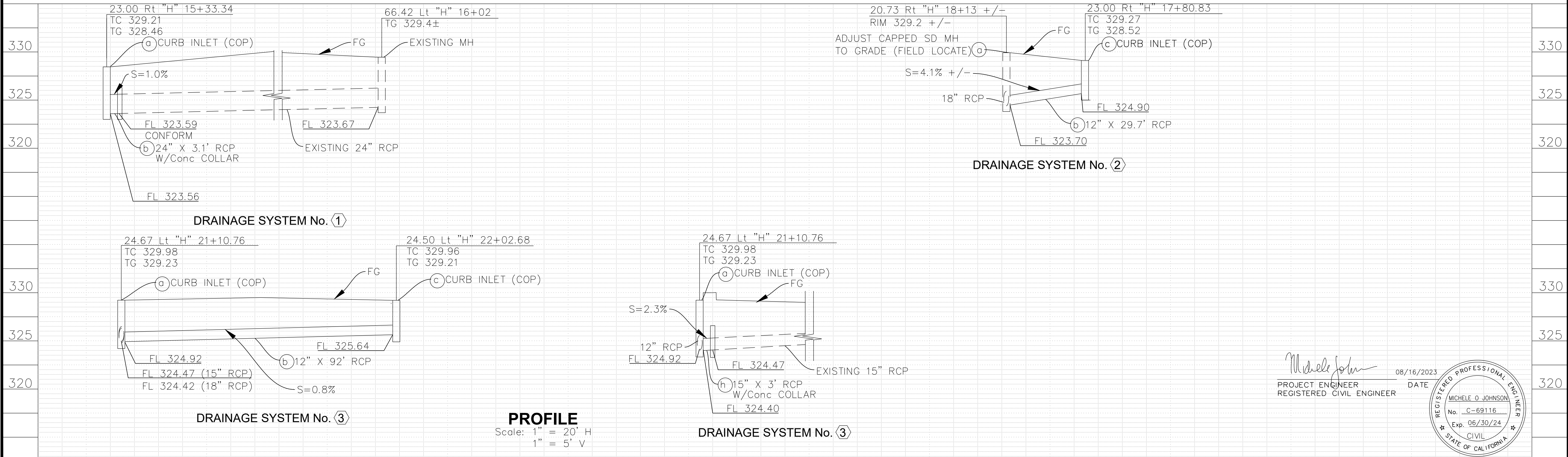
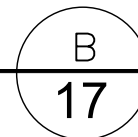
NOTES:

1. $W = 1'-6"$ WHERE $D2 \leq 2'-0"$
 $W = 2'-6"$ WHERE $2'-0" < D2$
2. SQUARE OR ROUND COLLAR OPTIONAL.
3. COLLAR TO BE USED FOR JOINING PROPOSED PIPE TO EXISTING PIPE, PIPES OF DIFFERENT TYPES OR PIPES OF DIFFERENT SIZES.



CONCRETE COLLAR

NTS



Michele Johnson
PROJECT ENGINEER
REGISTERED CIVIL ENGINEER
DATE: 08/16/2023



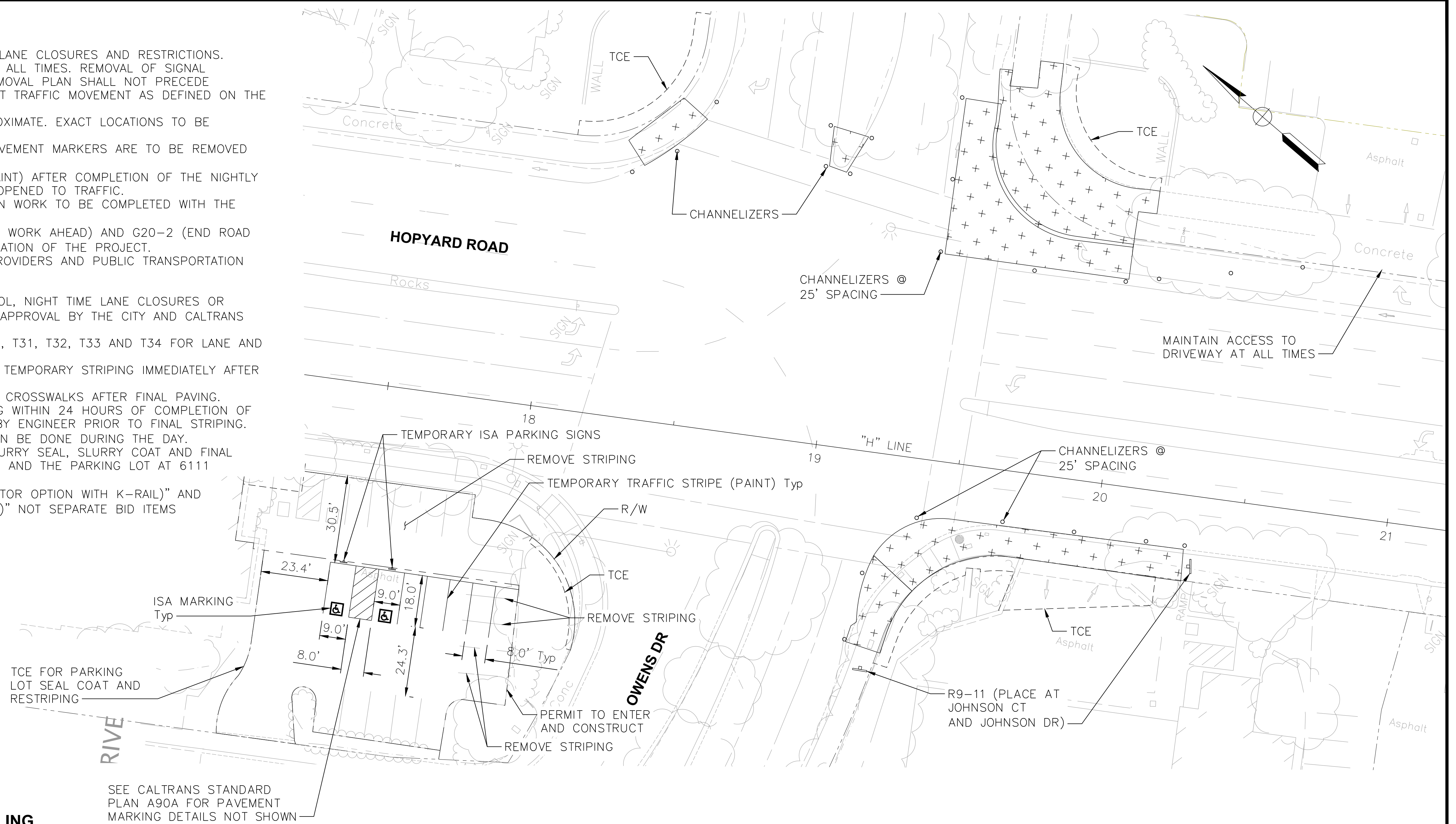
REV.	DATE	DESCRIPTION	<p>THE CITY OF PLEASANTON Public Works Department</p>	<p>consor 344 Thomas L. Berkley Way, Suite 302C Oakland, California 94612 P: 925.416.1500</p>	<p>HOPYARD AND OWENS INTERSECTION IMPROVEMENT - CIP #15525</p> <p>DRAINAGE PLAN AND PROFILE</p>	DESIGN:	SN	SCALE: AS SHOWN	DWG NO.
						DRAWN:	SN	PROJECT NO.: CIP-15525	

M:\CCO_Client\ Pleasanton\ P22-100_Hopyard and Owens Intersection Improvements\500-Design\505-CADD Files\Sheets\ P22-100-Drainage Profile Sheets.dwg, 11-30-23, 11:23am, jackson.kravets

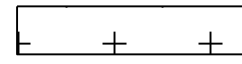
GENERAL NOTES:

1. MAINTAIN PEDESTRIAN TRAFFIC AT ALL TIMES.
2. SEE PROJECT SPECIAL PROVISIONS FOR ALLOWABLE LANE CLOSURES AND RESTRICTIONS.
3. TRAFFIC SIGNAL SYSTEM TO REMAIN OPERATIONAL AT ALL TIMES. REMOVAL OF SIGNAL EQUIPMENT AS DEFINED ON THE TRAFFIC SIGNAL REMOVAL PLAN SHALL NOT PRECEDE PLACEMENT OF NEW EQUIPMENT FOR THE EQUIVALENT TRAFFIC MOVEMENT AS DEFINED ON THE TRAFFIC SIGNAL MODIFICATION PLAN.
4. LOCATION OF CONSTRUCTION AREA SIGNS ARE APPROXIMATE. EXACT LOCATIONS TO BE DETERMINED BY THE ENGINEER.
5. CONFLICTING STRIPING, PAVEMENT MARKINGS AND PAVEMENT MARKERS ARE TO BE REMOVED BEFORE ROADWAY IS OPENED TO TRAFFIC.
6. CONTRACTOR SHALL PLACE TEMPORARY STRIPING (PAINT) AFTER COMPLETION OF THE NIGHTLY PAVEMENT OPERATIONS PRIOR TO THE ROAD BEING OPENED TO TRAFFIC.
7. UNDERGROUND DRAINAGE, ELECTRICAL AND IRRIGATION WORK TO BE COMPLETED WITH THE ADJACENT PAVING DURING THAT STAGE.
8. CONTRACTOR TO PLACE AND MAINTAIN W20-1 (ROAD WORK AHEAD) AND G20-2 (END ROAD WORK) SIGNS PER MUTCD GUIDELINES FOR THE DURATION OF THE PROJECT.
9. CONTRACTOR TO NOTIFY ALL EMERGENCY SERVICE PROVIDERS AND PUBLIC TRANSPORTATION BEFORE COMMENCING WORK.
10. LOOPS TO BE PLACED PRIOR TO FINAL PAVING.
11. CONTRACTOR TO SUBMIT PLANS FOR TRAFFIC CONTROL, NIGHT TIME LANE CLOSURES OR DETOUR (BETWEEN 9PM AND 6AM) AS NEEDED FOR APPROVAL BY THE CITY AND CALTRANS ENGINEER.
12. SEE CALTRANS STANDARD PLANS T9, T11, T11A, T30, T31, T32, T33 AND T34 FOR LANE AND SIDEWALK CLOSURE DETAILS.
13. CONTRACTOR TO USE CHIP SEAL MARKERS ONLY AS TEMPORARY STRIPING IMMEDIATELY AFTER FINAL PAVING.
14. CONTRACTOR TO USE TEMP MARKING TAPE TO MARK CROSSWALKS AFTER FINAL PAVING.
15. CONTRACTOR SHALL CAT-TRACK TEMPORARY STRIPING WITHIN 24 HOURS OF COMPLETION OF FINAL PAVING. CAT-TRACKING SHALL BE APPROVED BY ENGINEER PRIOR TO FINAL STRIPING.
16. WORK BEHIND THE TEMPORARY RAILING (TYPE K) CAN BE DONE DURING THE DAY.
17. STAGE 3 WORK INCLUDES COLD PLANE, OVERLAY SLURRY SEAL, SLURRY COAT AND FINAL STRIPLING ACTIVITIES ON HOPYARD RD, OWENS DRIVE AND THE PARKING LOT AT 6111 JOHNSON COURT.
18. "TEMPORARY ALTERNATIVE CRASH CUSHION (CONTRACTOR OPTION WITH K-RAIL)" AND "TEMPORARY RAILING (TYPE K) (CONTRACTOR OPTION)" NOT SEPARATE BID ITEMS



LEGEND
 # PAVEMENT DETAIL NUMBER



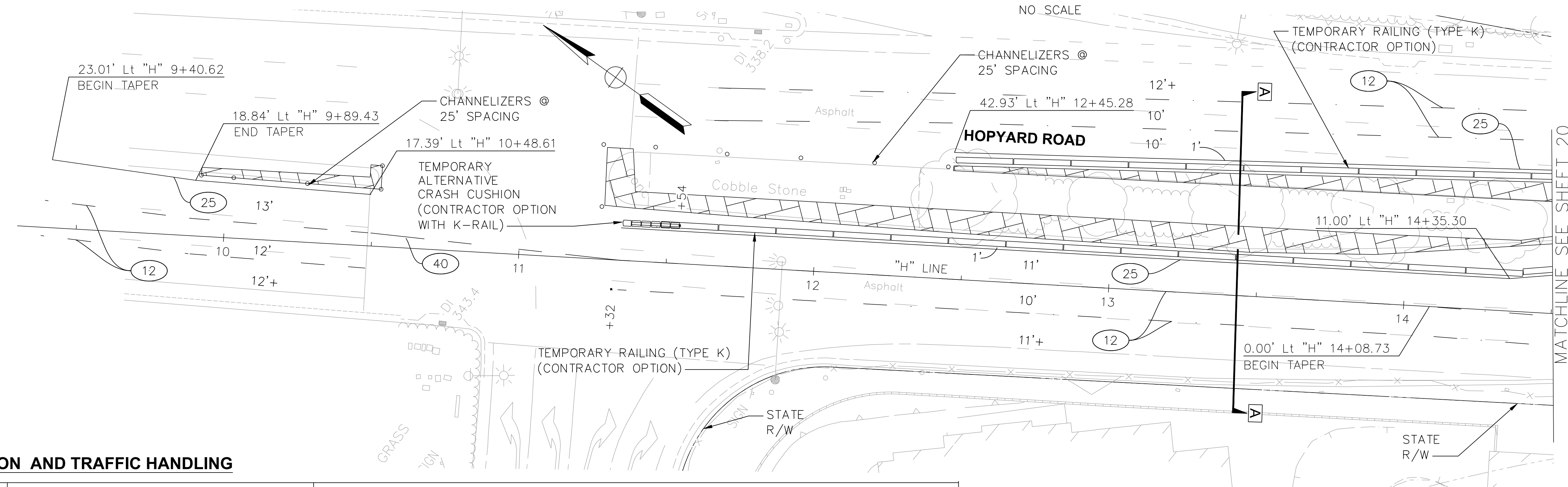
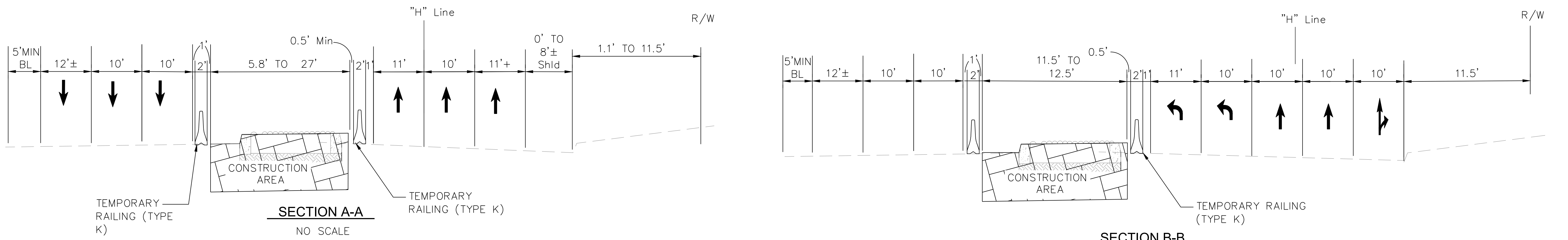
STAGE CONSTRUCTION AND TRAFFIC HANDLING

STAGE	CONSTRUCTION HOURS	WORK TO BE PERFORMED	TRAFFIC
1A	9:00PM - 6:00AM 	a. SOUTHEAST QUADRANT OF INTERSECTION - PLACE NEW SIGNAL POLES WITHIN THE SIDEWALK BEFORE REMOVING THE SIGNAL IN THE PORKCHOP ISLAND, DEMOLISH PORKCHOP ISLAND, CURB, GUTTER, SIDEWALK AND PAVEMENT. CONSTRUCT PAVEMENT, CURB, GUTTER AND CURB RAMP. b. NORTHEAST QUADRANT OF INTERSECTION - DEMOLISH CURB, GUTTER, SIDEWALK. CONSTRUCT PAVEMENT, CURB, GUTTER AND CURB RAMP. c. OWENS DRIVE EAST OF INTERSECTION - REMOVE PORTION OF MEDIAN ISLAND AND CONSTRUCT MEDIAN NOSE. REMOVE ELECTROLIER AND SIGNAL HEAD AFTER PLACEMENT OF NE SIGNAL EQUIPMENT IN THE SOUTHEAST QUADRANT. d. SOUTHWEST QUADRANT OF THE INTERSECTION - DEMOLISH EXISTING AND CONSTRUCT CURB, GUTTER, SIDEWALK AND CURB RAMPS AND REFUGE ISLAND. PLACE NEW SIGNAL EQUIPMENT IN THIS QUADRANT. REMOVE OR COVER CONFLICTING SIGNAL EQUIPMENT IN MEDIAN AS NEEDED. e. PARKING LOT AT 6111 JOHNSON COURT - TEMPORARILY STRIPE PARKING LOT	a. MAINTAIN PEDESTRIAN TRAFFIC WITH SIGNED DETOURS AS NECESSARY. b. MAINTAIN EXISTING STRIPING.




 PROJECT ENGINEER
 REGISTERED CIVIL ENGINEER
 DATE 10/2/2023


M:\CCO_Client\ Pleasanton\22-100 Hopyard and Owens Intersection Improvements\500-Design\505 - CADD Files\Sheets\22-100_SC & TH Sheets\1A.dwg 11-24-23 11:24am jackson.kravets



STAGE CONSTRUCTION AND TRAFFIC HANDLING

STAGE	CONSTRUCTION HOURS	WORK TO BE PERFORMED	TRAFFIC
1B	9:00PM - 6:00AM	a. INSTALL TEMPORARY STRIPING AND SIGNS AS SHOWN. b. REMOVE PORTIONS OF EXISTING MEDIAN ISLAND FROM STA 9+50 TO 24+87 AND CONSTRUCT ADJACENT PAVEMENT AND MEDIAN ISLAND TO FINAL GRADE. STAGE MEDIAN ISLAND REMOVAL AND PAVEMENT WITHIN THE CROSSWALK SEPARATE FROM THE OTHER MEDIAN ISLAND DEMOLITION AND PAVING ACTIVITIES TO MAXIMIZE PEDESTRIAN USE OF THE FULL WIDTH OF THE CROSSWALK.	LANE CONFIGURATIONS SHOWN REPRESENT THE TYPICAL DAYTIME LANE CONFIGURATIONS ALLOWED. SEE PROJECT SPECIAL PROVISIONS FOR ALLOWABLE LANE CLOSURES AND RESTRICTIONS. TEMPORARY RAILING TYPE K SHOWN TO PROTECT DROPOFFS GREATER THAN 0.15 FEET WITHIN 15 FEET OF A TRAFFIC LANE DURING THE TYPICAL DAYTIME LANE CONFIGURATION. CONTRACTOR HAS THE OPTION TO TEMPORARILY GRADE EXCAVATED AREAS WITH A 4:1 SIDESLOPE OR COVER THE WORK AREA WITH STEEL PLATES WHEN TRAFFIC IS WITHIN 15 FEET OF A 0.15 FOOT DROPOFF OR AN EQUIPMENT STORAGE AREA. a. MAINTAIN PEDESTRIAN TRAFFIC WITH SIGNED DETOURS AS NECESSARY. b. SOUTHBOUND TRAFFIC NORTH OF OWENS - SHIFT TRAFFIC TO THE WEST. REDUCE LANE WIDTHS TO 10' MIN. c. SOUTHBOUND TRAFFIC SOUTH OF OWENS - SHIFT TRAFFIC TO THE WEST AND REDUCE INSIDE LANES TO 10' AND OUTSIDE LANE TO 12'±. d. NORTHBOUND TRAFFIC SOUTH OF OWENS DR - SHIFT TRAFFIC SLIGHTLY TO THE EAST. STRIPE THE SECOND INSIDE LANE AS A LEFT TURN LANE AS SHOWN. REDUCE LANE WIDTHS TO 10' AN OUTSIDE LANE TO 11'. e. NORTHBOUND TRAFFIC NORTH OF OWENS DR - SHIFT TRAFFIC TO EAST. REDUCE INSIDE LANE WIDTHS TO 10' AND OUTSIDE LANE TO 12'±.



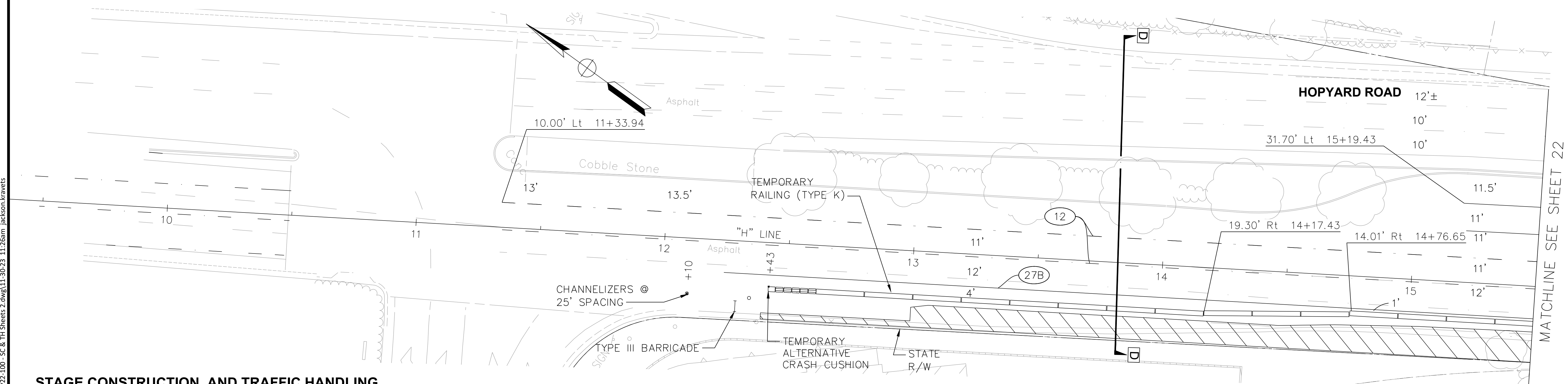
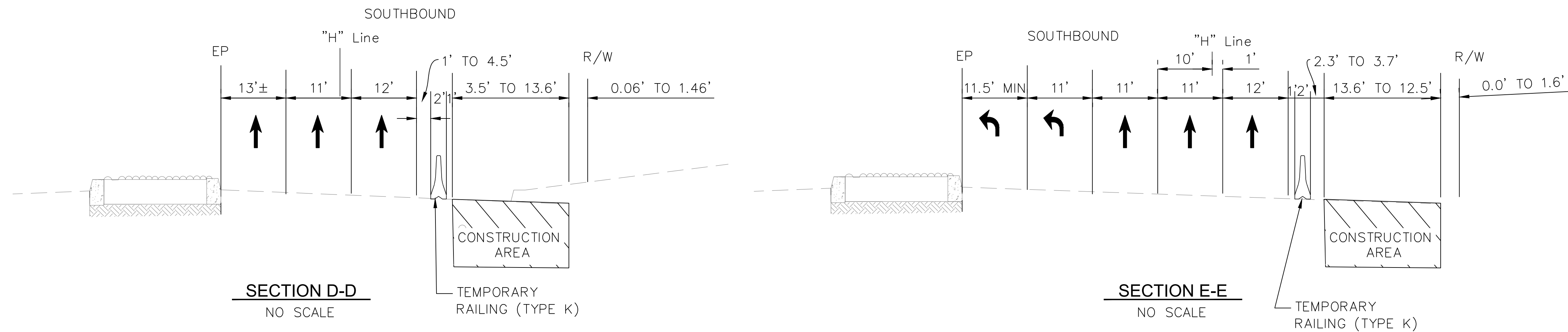
NOTE: SEE SHEET 18 FOR GENERAL NOTES AND LEGEND

Michele Johnson
PROJECT ENGINEER
REGISTERED CIVIL ENGINEER

10/2/2023
DATE

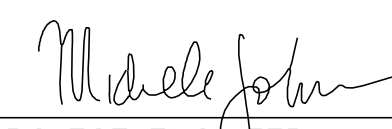
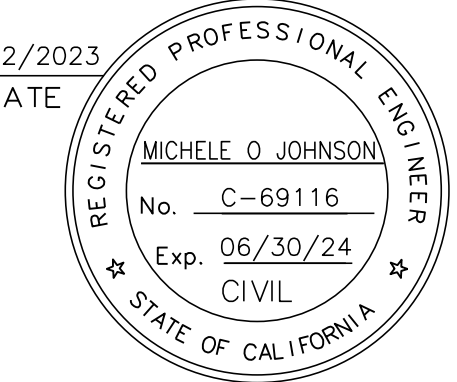
REGISTERED PROFESSIONAL ENGINEER
MICHELE O JOHNSON
No. C-69116
Exp. 06/30/24
CIVIL
STATE OF CALIFORNIA

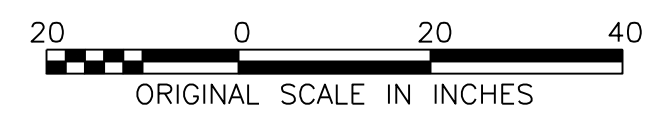
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STAGE CONSTRUCTION AND TRAFFIC HANDLING

STAGE	CONSTRUCTION HOURS	WORK TO BE PERFORMED	TRAFFIC
2	9:00PM - 6:00AM	a. INSTALL TEMPORARY STRIPING AND SIGNS AS SHOWN. b. SOUTHBOUND NORTH OF OWENS DRIVE - REMOVE EXISTING OUTSIDE CURB AND GUTTER FROM STA "H" 12+40 TO 18+33. c. SOUTHBOUND NORTH OF OWENS DRIVE - CONSTRUCT CURB AND GUTTER WITH RAISED CONCRETE BIKE PATH, CURB RAMP, PAVEMENT, STORM DRAIN STRUCTURES AND SOUNDWALL. d. OWENS DR WEST OF THE INTERSECTION - REMOVE PORTION OF MEDIAN ISLAND AND CONSTRUCT MEDIAN NOSE	LANE CONFIGURATIONS SHOWN REPRESENT THE TYPICAL DAYTIME LANE CONFIGURATIONS ALLOWED. SEE PROJECT SPECIAL PROVISIONS FOR ALLOWABLE LANE CLOSURES AND RESTRICTIONS. TEMPORARY RAILING TYPE K SHOWN TO PROTECT DROPOFFS GREATER THAN 0.15 FEET WITHIN 15 FEET OF A TRAFFIC LANE DURING THE TYPICAL DAYTIME LANE CONFIGURATION. CONTRACTOR HAS THE OPTION TO TEMPORARILY GRADE EXCAVATED AREAS WITH A 4:1 SIDESLOPE OR COVER THE WORK AREA WITH STEEL PLATES WHEN TRAFFIC IS WITHIN 15 FEET OF A 0.15 FOOT DROPOFF OR AN EQUIPMENT STORAGE AREA. a. SOUTHBOUND TRAFFIC NORTH OF OWENS - SHIFT TRAFFIC EAST AND REDUCE ALL LANES TO 11' MIN. b. MAINTAIN PEDESTRIAN TRAFFIC WITH SIGNED DETOURS AS NECESSARY. c. SOUTHBOUND TRAFFIC SOUTH OF OWENS DR - REDUCE OUTSIDE LANE WIDTH TO 10±. d. OWENS DR WEST OF INTERSECTION - REDUCE EB & WB INSIDE LANES TO 10±.

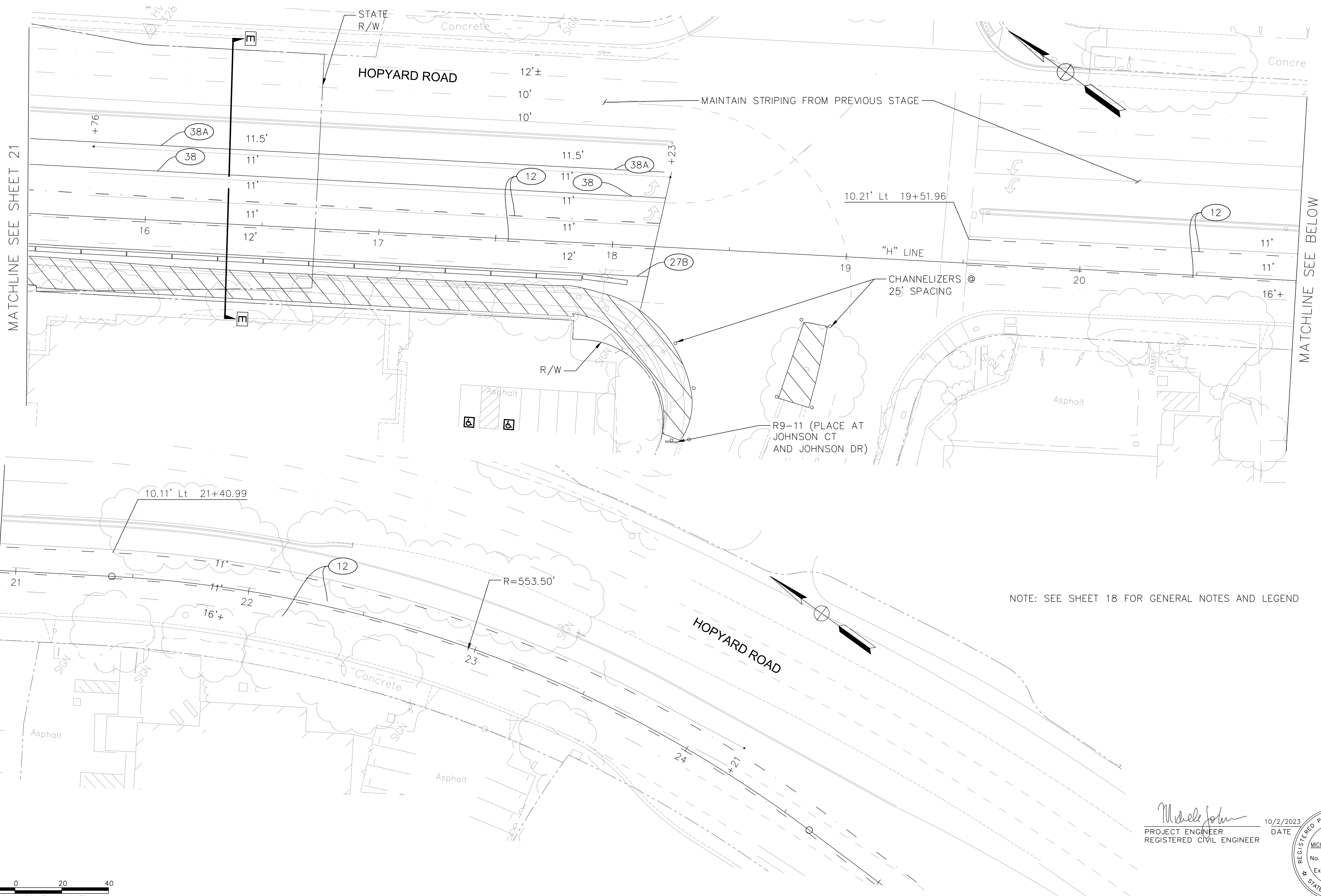

 PROJECT ENGINEER
 REGISTERED CIVIL ENGINEER
 DATE 10/2/2023




NOTE: SEE SHEET 18 FOR GENERAL NOTES AND LEGEND

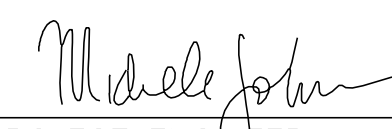
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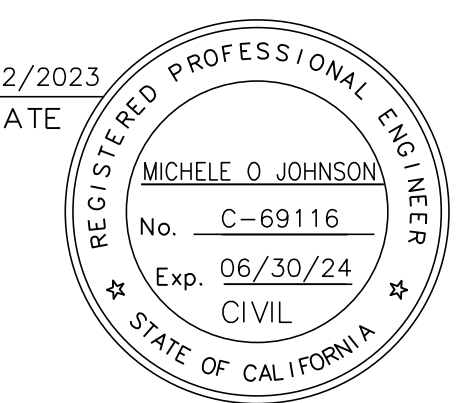
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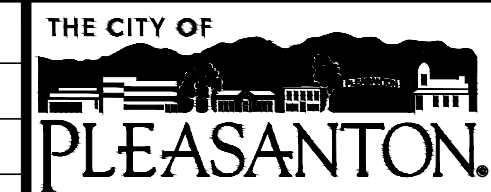



NOTE: SEE SHEET 18 FOR GENERAL NOTES AND LEGEND

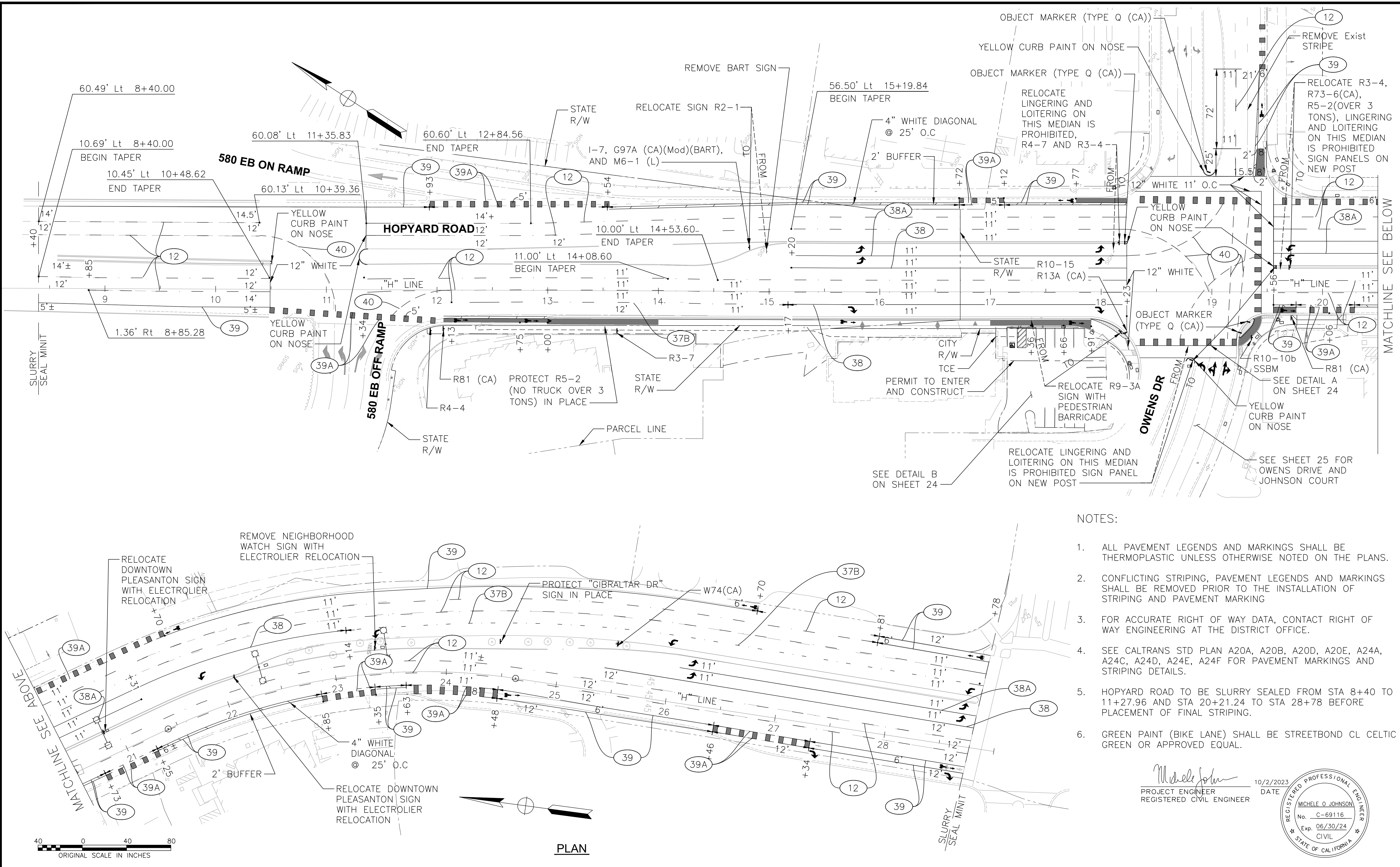



 PROJECT ENGINEER
 REGISTERED CIVIL ENGINEER
 DATE: 10/2/2023



REV.	DATE	DESCRIPTION	 CITY OF PLEASANTON Public Works Department	 consor <small>344 Thomas L. Berkley Way, Suite 302C Oakland, California 94612 P: 925.416.1500</small>	HOPYARD AND OWENS INTERSECTION IMPROVEMENT - CIP #15525 STAGE CONSTRUCTION AND TRAFFIC HANDLING - STAGE 2	DESIGN: BK	SCALE: 1" = 20'	DWG NO.
						DRAWN: JK	PROJECT NO.: CIP-15525	
						CHECKED: MB	DATE: AUGUST 2023	22 OF 36

M:\CCO_Client\ Pleasanton\222-100 Hopyard and Owens Intersection Improvements\500-Design\505-CADD Files\Sheets\222-100 - Pavement Delineation.dwg 11:30:23 11:27am Jackson.Kravets

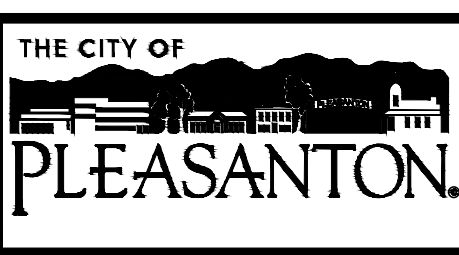


- NOTES:**
1. ALL PAVEMENT LEGENDS AND MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED ON THE PLANS.
 2. CONFLICTING STRIPING, PAVEMENT LEGENDS AND MARKINGS SHALL BE REMOVED PRIOR TO THE INSTALLATION OF STRIPING AND PAVEMENT MARKING
 3. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
 4. SEE CALTRANS STD PLAN A20A, A20B, A20D, A20E, A24A, A24C, A24D, A24E, A24F FOR PAVEMENT MARKINGS AND STRIPING DETAILS.
 5. HOPYARD ROAD TO BE SLURRY SEALED FROM STA 8+40 TO 11+27.96 AND STA 20+21.24 TO STA 28+78 BEFORE PLACEMENT OF FINAL STRIPING.
 6. GREEN PAINT (BIKE LANE) SHALL BE STREETBOND CL CELTIC GREEN OR APPROVED EQUAL.

Michele Johnson
 PROJECT ENGINEER
 REGISTERED CIVIL ENGINEER
 10/2/2023 DATE

REGISTERED PROFESSIONAL ENGINEER
 MICHELE O JOHNSON
 No. C-691116
 Exp. 06/30/24
 CIVIL
 STATE OF CALIFORNIA

REV.	DATE	DESCRIPTION

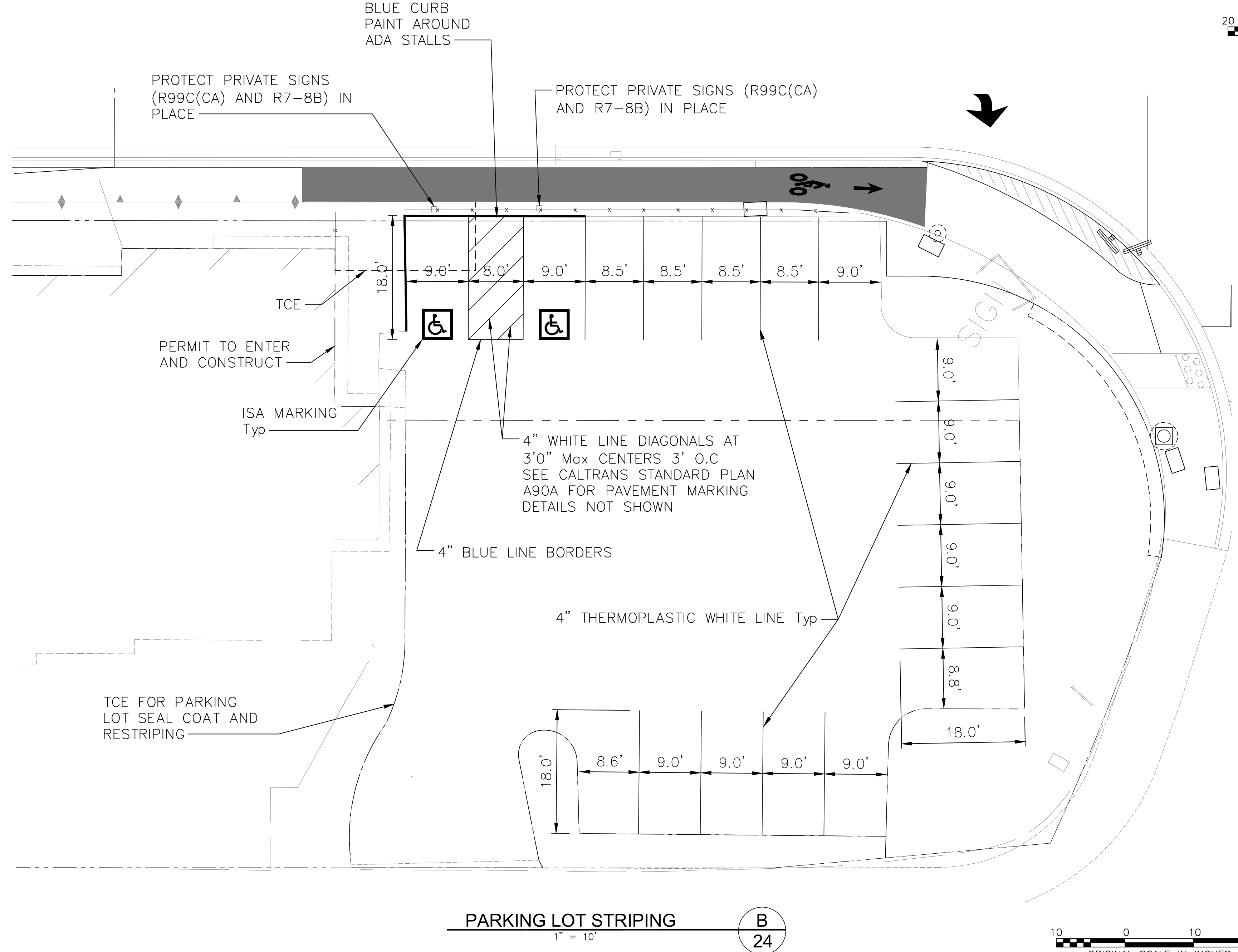
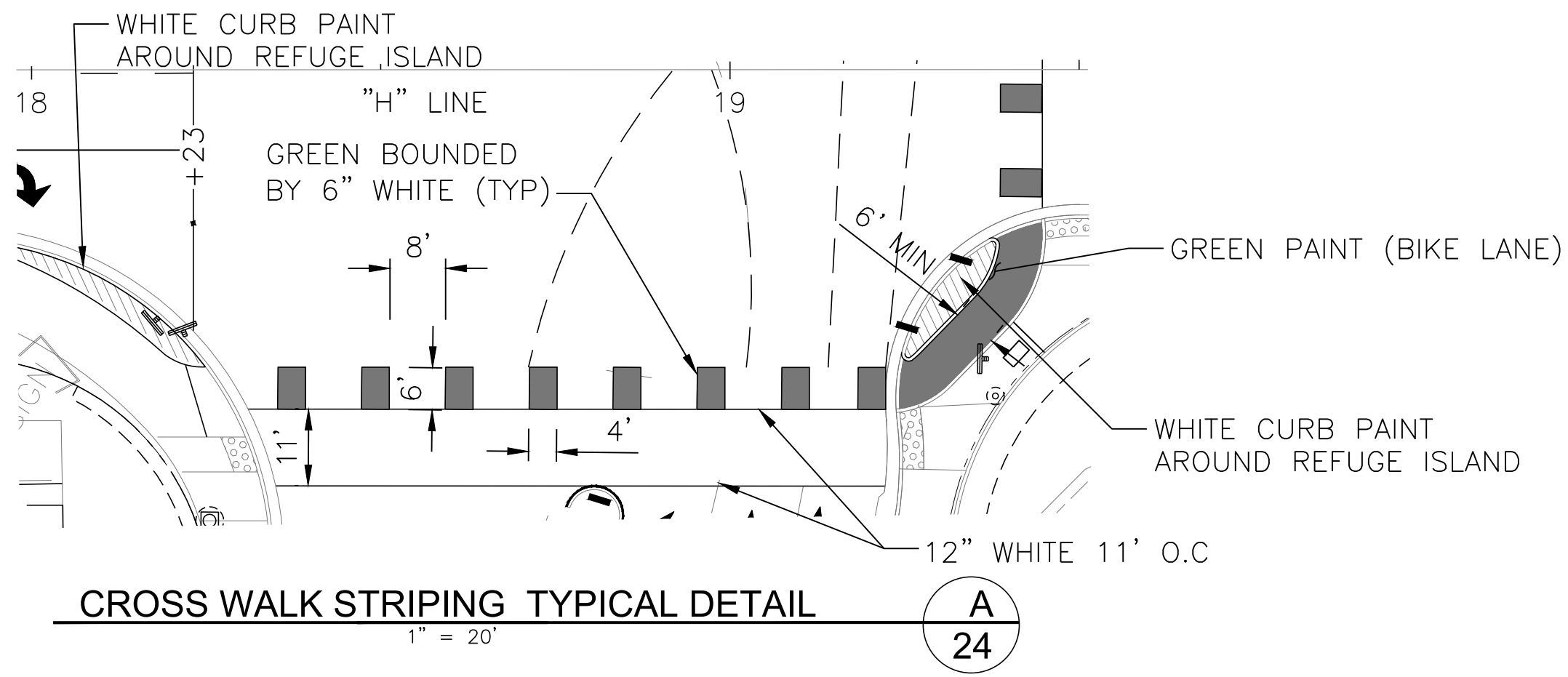


CITY OF PLEASANTON
 Public Works Department



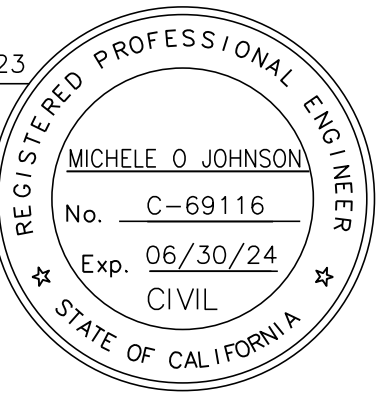
HOPYARD AND OWENS INTERSECTION IMPROVEMENT - CIP #15525
 PAVEMENT DELINEATION AND SIGNS

DESIGN: BK	SCALE: 1" = 40'	DWG NO.
DRAWN: JK	PROJECT NO.: CIP-15525	
CHECKED: MB	DATE: AUGUST 2023	23 OF 36



Michele Johnson
 PROJECT ENGINEER
 REGISTERED CIVIL ENGINEER

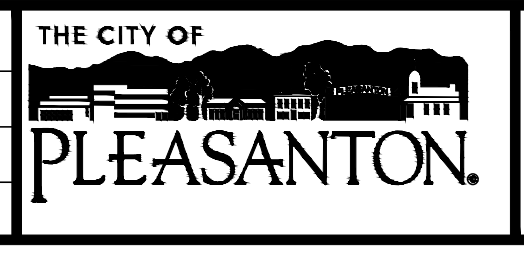
10/2/2023
 DATE



PARKING LOT STRIPING
 1" = 10'
 B
 24

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REV.	DATE	DESCRIPTION



CITY OF PLEASANTON
 Public Works Department



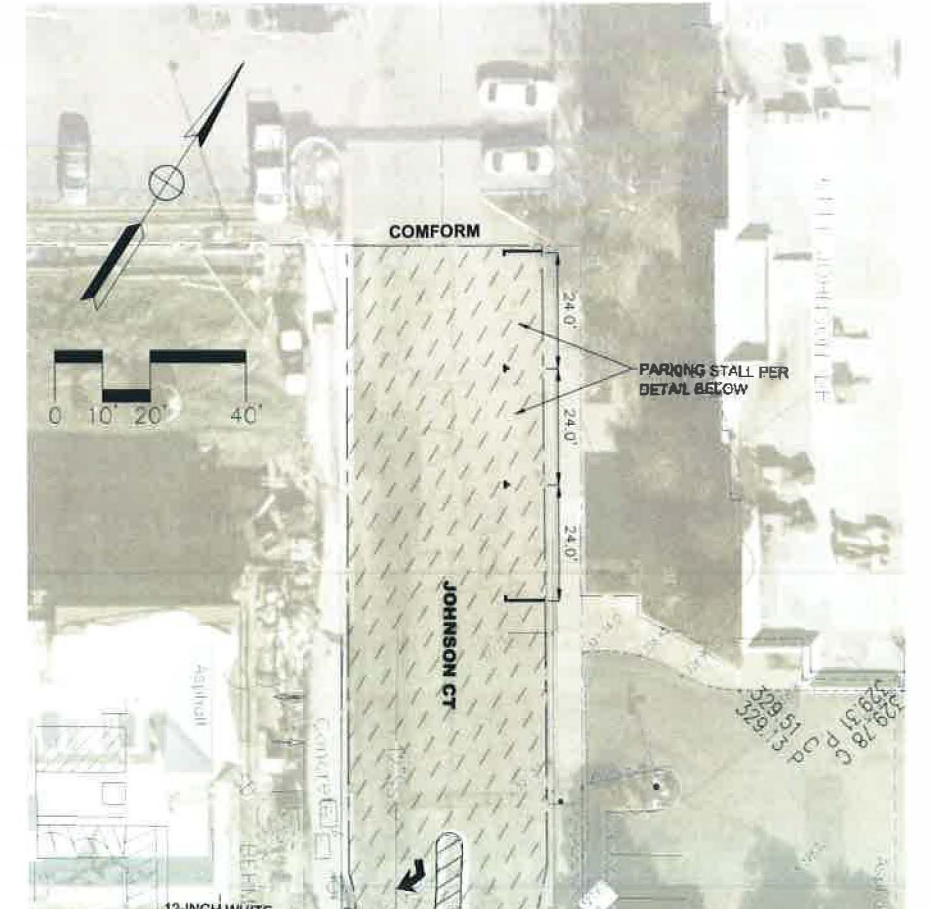
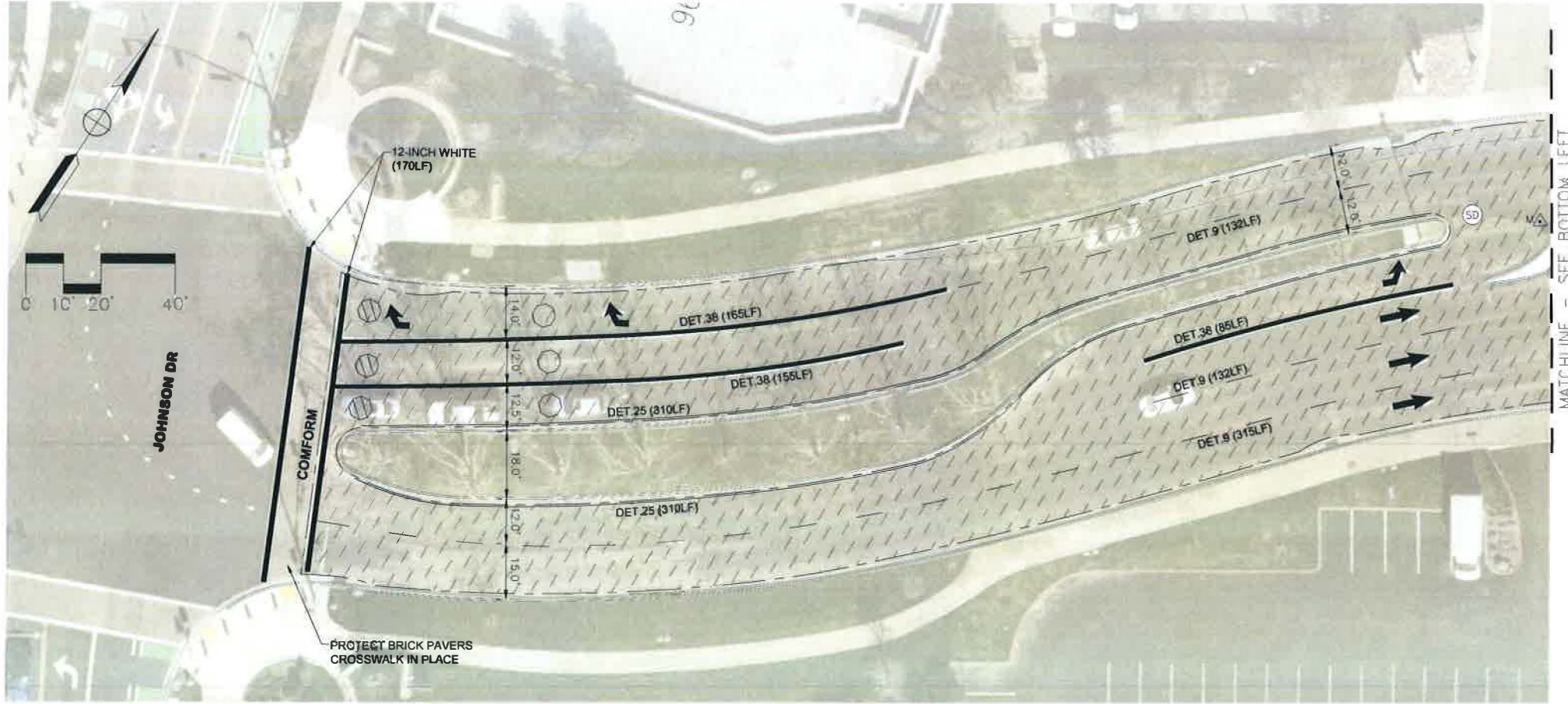
HOPYARD AND OWENS INTERSECTION IMPROVEMENT - CIP #15525
 PAVEMENT DELINEATION AND SIGNS

DESIGN:	BK
DRAWN:	JK
CHECKED:	MB

SCALE:	AS SHOWN
PROJECT NO.:	CIP-15525
DATE:	AUGUST 2023

DWG NO.
 24 OF 36

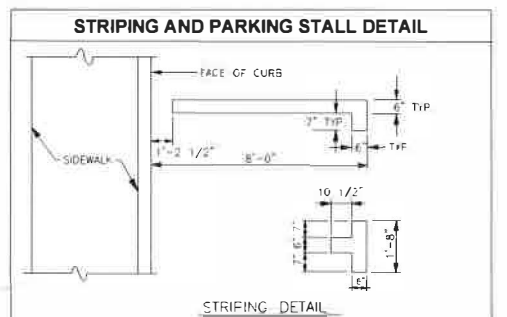
\s\lead\p\w\Engineering\Streets\Hopyard&Owens\Right\Turn\Design\Drawings\CAD\Landscaping and Striping Plans.dwg 10-23 02:07:20 am smpguyen



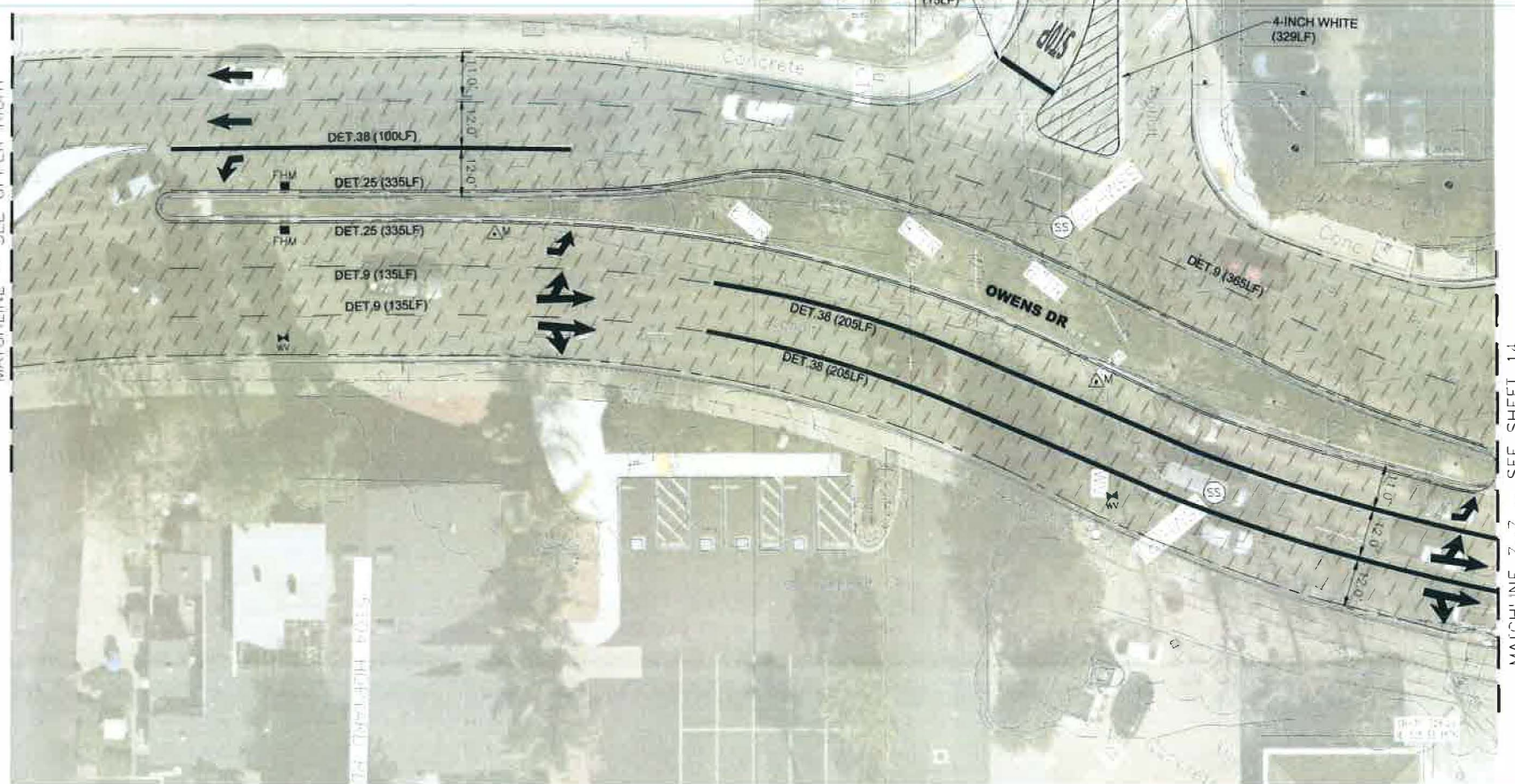
QUANTITY TABLE FOR OWENS DRIVE AND JOHNSON COURT		
1	1/2" HMA	715 TON
2	COLD PLANE (1.75")	53,170 SF
3	BASE REPAIR (DIG OUT)	11,000 SF
4	LOWER W/IRONS	5
5	LOWER MH	3
6	RAISING W/IRONS TO GRADE	5
7	RAISING MH TO GRADE	3
8	DETAIL 9	1214 LF
9	DETAIL 25	1290 LF
10	DETAIL 38	915 LF
11	FHM	2 EA
12	TYPE I ARROW	5
13	TYPE IV ARROW	7
14	TYPE VII ARROW	4
15	TYPE A LOOP*	3
16	TYPE D LOOP*	3
17	4" WHITE	329 LF
18	12" WHITE	185 LF
19	STOP LEGEND	1
20	6" WHITE PARKING STALL	3

- NOTES:**
- PAVEMENT REPAIR AREA (DIG-OUT) TO BE MARKED IN FIELD AFTER COLD PLANE.
 - DIG-OUT VARIES IN LENGTH WITH MINIMUM WIDTH OF 6 FT.
 - ALL MEASUREMENT ARE FROM F/C TO F/C.

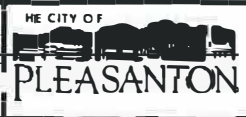
- LEGEND:**
- MILL AND OVERLAY AREA (1 = .17')
 - TYPE D TRAFFIC LOOP
 - TYPE A TRAFFIC LOOP



- NOTES:**
- ALL EXISTING STRIPING SHALL BE REMOVED BY GRINDING BEFORE NEW THERMOPLASTIC STRIPING IS APPLIED.
 - THE WHITE THERMOPLASTIC SHALL CONTAIN THE REFLECTIVE GLASS BEADS, (PER STATE STANDARD SPECIFICATIONS).
 - ALL DIMENSIONS PARALLEL TO CURB IN PARKING STALL DETAIL ARE CENTERLINE TO CENTERLINE.



REV	DATE	DESCRIPTION



CITY OF PLEASANTON
PUBLIC WORKS DEPARTMENT

200 OLD BERNAL AVENUE
PLEASANTON, CA 94566
P: 925.437.4005

HOPYARD AND OWENS INTERSECTION IMPROVEMENT
OWENS DRIVE AND JOHNSON COURT RESURFACING AND STRIPING PLAN

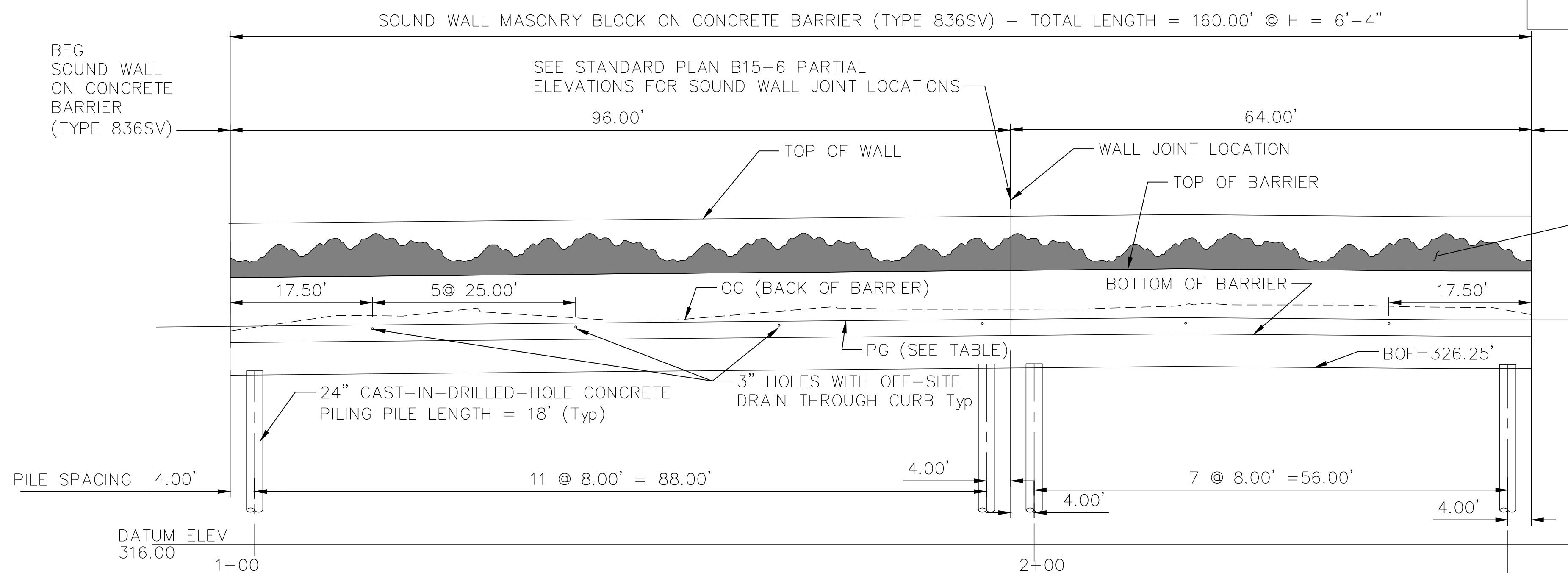
DESIGN	HH	SCALE:	AS SHOWN	DWG NO
DRAWN	SN	PROJECT NO:	CIP-15525	
CHECKED	HH	DATE:	8-10-2023	25 OF 36

NOTES:

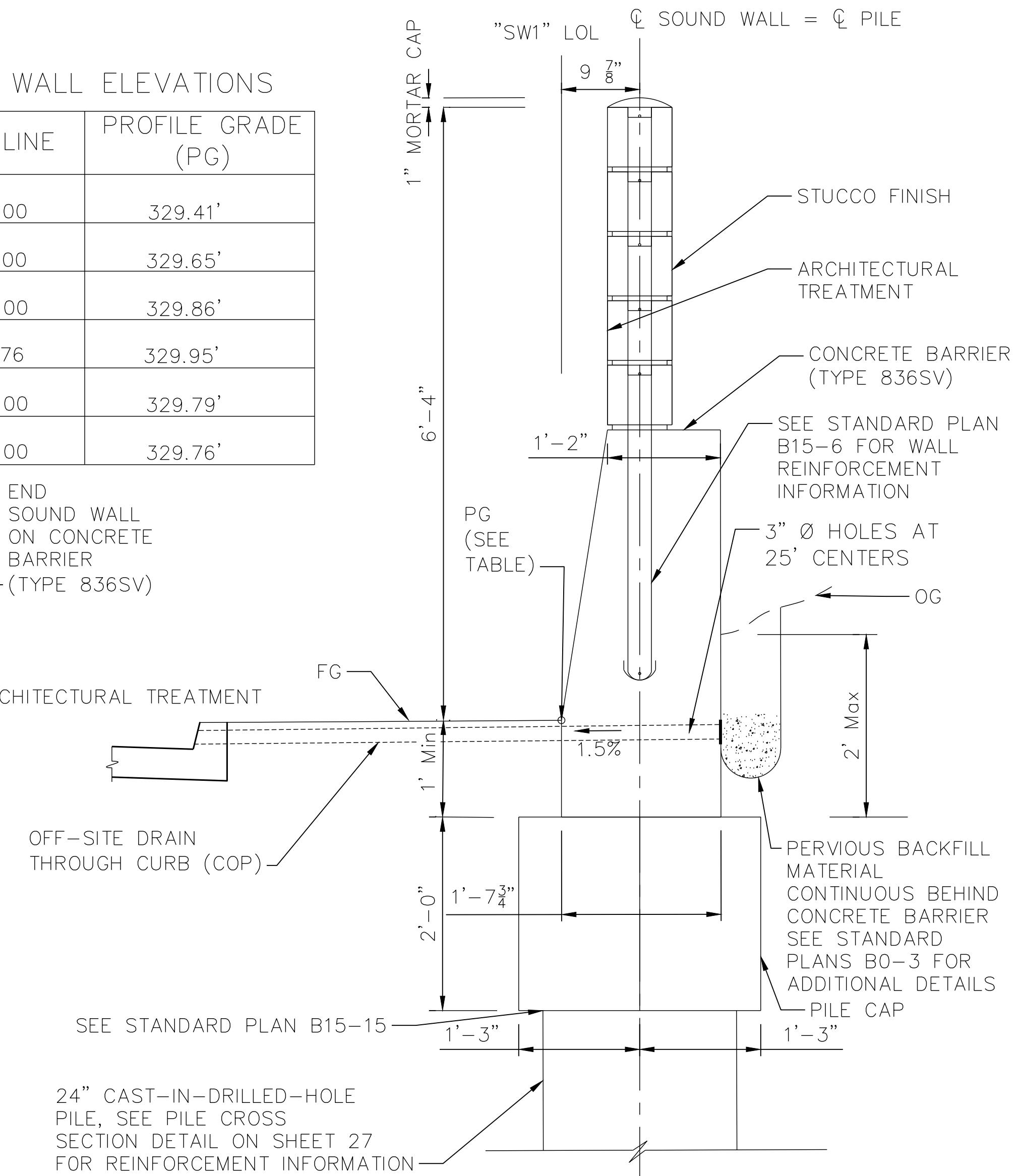
- CONTRACTOR SHALL NOTIFY UTILITY OWNERS 2 WEEKS BEFORE COMMENCING WORK.
- ARCHITECTURAL TREATMENT RENDERING SHOWS THE DESIGN INTENT, CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR FINAL APPROVAL FROM THE CITY.
- THE CONCRETE COLOR FOR THE BARRIER PORTION OF THE SOUND WALL SHOULD BE ADOBE 61078 BY DAVIS COLORS - INSTALL PER MANUFACTURER'S RECOMMENDATION
- REFER TO SPECIAL PROVISIONS FOR STUCCO FINISH
- STUCCO FINISH COAT LAYER 2 SHALL ONLY BE APPLIED TO THE STREET SIDE OF THE CMU BLOCK AND SHALL BE PER THE AUTOCAD TEMPLATE PROVIDED BY THE CITY. NO SMUDGING SHALL BE ALLOWED
- SOUND WALL TO RECEIVE STUCCO TREATMENT ON ALL SIDES OF THE WALL
- ARCHITECTURAL TREATMENT (PLEASANTON RIDGE) IS ONLY ON THE ROADSIDE OF WALL
- REFER TO SPECS FOR STUCCO FINISH LAYER AND COATS
- FOR DETAILS NOT SHOWN, SEE SOUND WALL DETAILS SHEET

SOUND WALL ELEVATIONS

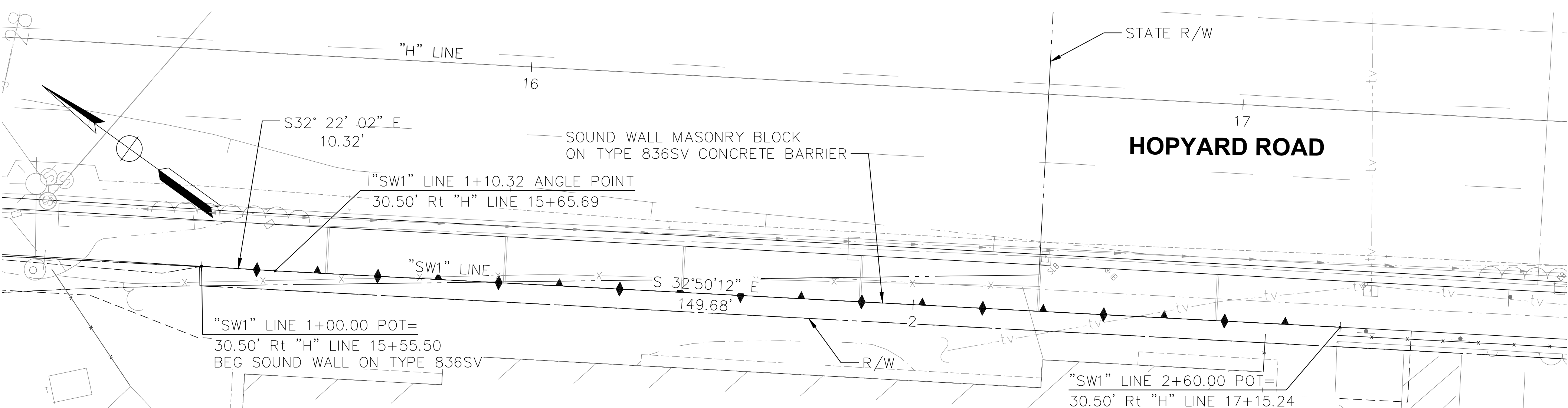
"SW1" LINE	PROFILE GRADE (PG)
1+00.00	329.41'
1+50.00	329.65'
2+00.00	329.86'
2+16.76	329.95'
2+50.00	329.79'
2+60.00	329.76'



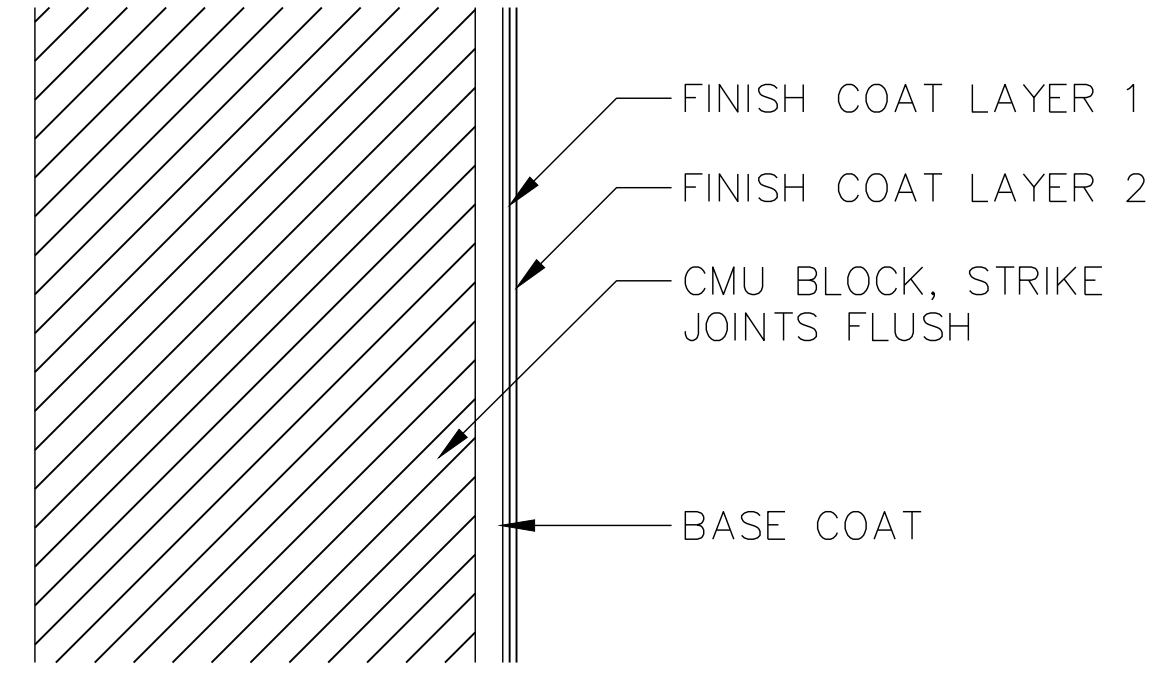
MIRRORED ELEVATION
SCALE: 1" = 10' Horiz, 1" = 5' Vert



TYPICAL SECTION
NO SCALE



PLAN
SCALE: 1" = 10'



STUCCO FINISH DETAIL
NO SCALE

PROJECT ENGINEER
 REGISTERED CIVIL ENGINEER
 DATE: 11/07/23

M:\CCO_Client\Pleasanton\222-100 Hopyard and Owens Intersection Improvements\500-Design\305 - CADD Files\Sheets\222-100 - Soundwall.dwg, 11:30:23 11/29/23 jackson.kravets

REV.	DATE	DESCRIPTION	 CITY OF PLEASANTON Public Works Department	 consor 344 Thomas L. Berkley Way, Suite 302C Oakland, California 94612 P: 925.416.1500	HOPYARD AND OWENS INTERSECTION IMPROVEMENT - CIP #15525 SOUND WALL PLAN AND PROFILE	DESIGN: BK DRAWN: JK CHECKED: MB	SCALE: 1" = 10' PROJECT NO.: CIP-15525 DATE: AUGUST 2023	DWG NO. 26 OF 36
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DESIGN DATA

DESIGN: AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS
8TH EDITION WITH CALIFORNIA AMENDMENTS
PREFACED DATE APRIL 2019
TMS 402-16
2019 CALIFORNIA BUILDING CODE

WS: 36.5 psf ON SOUND WALL

LS: VARIED SURCHARGE ON LEVEL GROUND SURFACE

DESIGN SEISMIC LOAD:
0.72 DEAD LOAD

DESIGN IMPACT LOAD:
TL-3 @ 4'-0" ABOVE FINISHED GROUND

SOIL: $\phi = 25^\circ$
 $\gamma = 123$ pcf
 $H_e = 2'-0"$

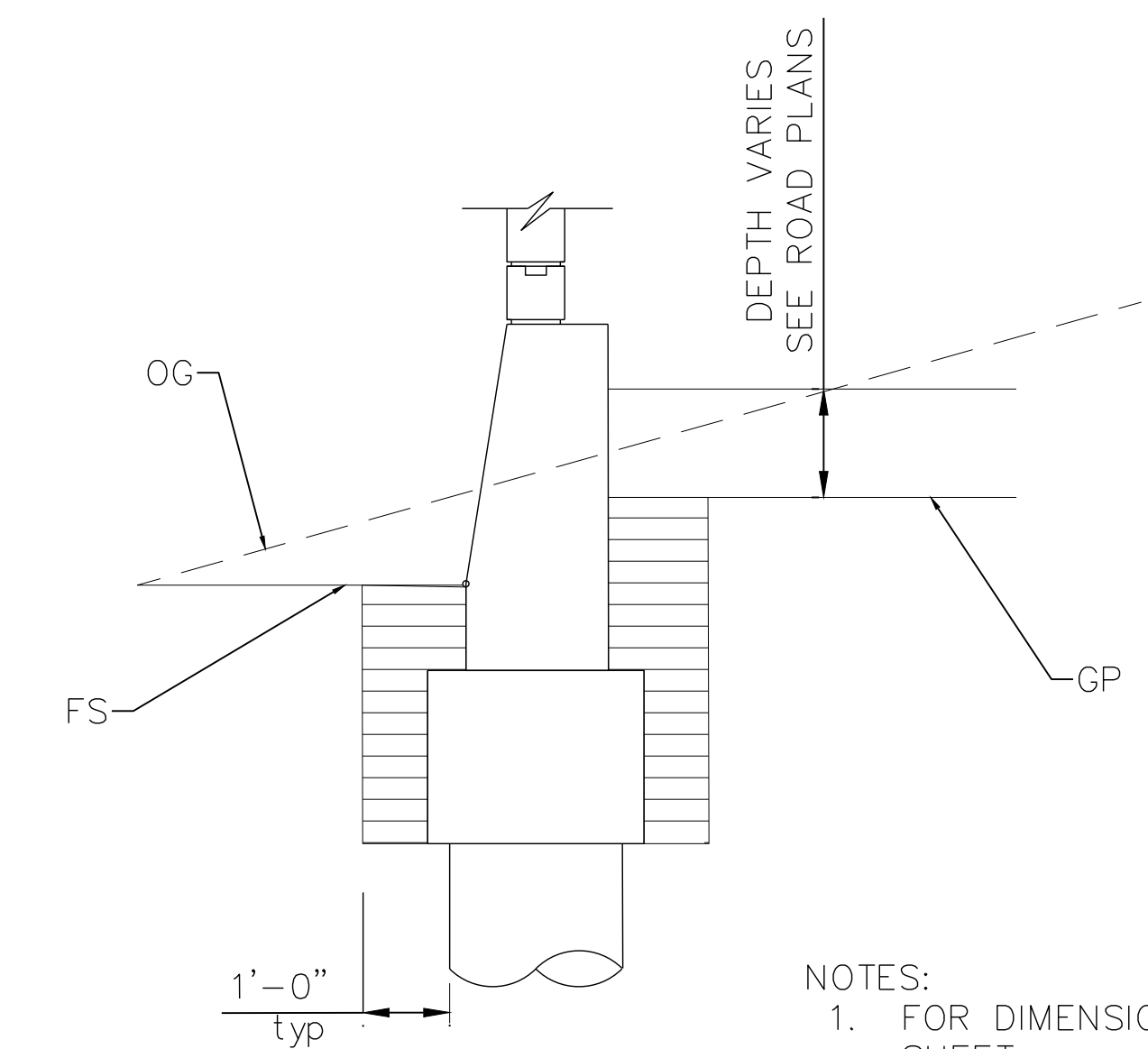
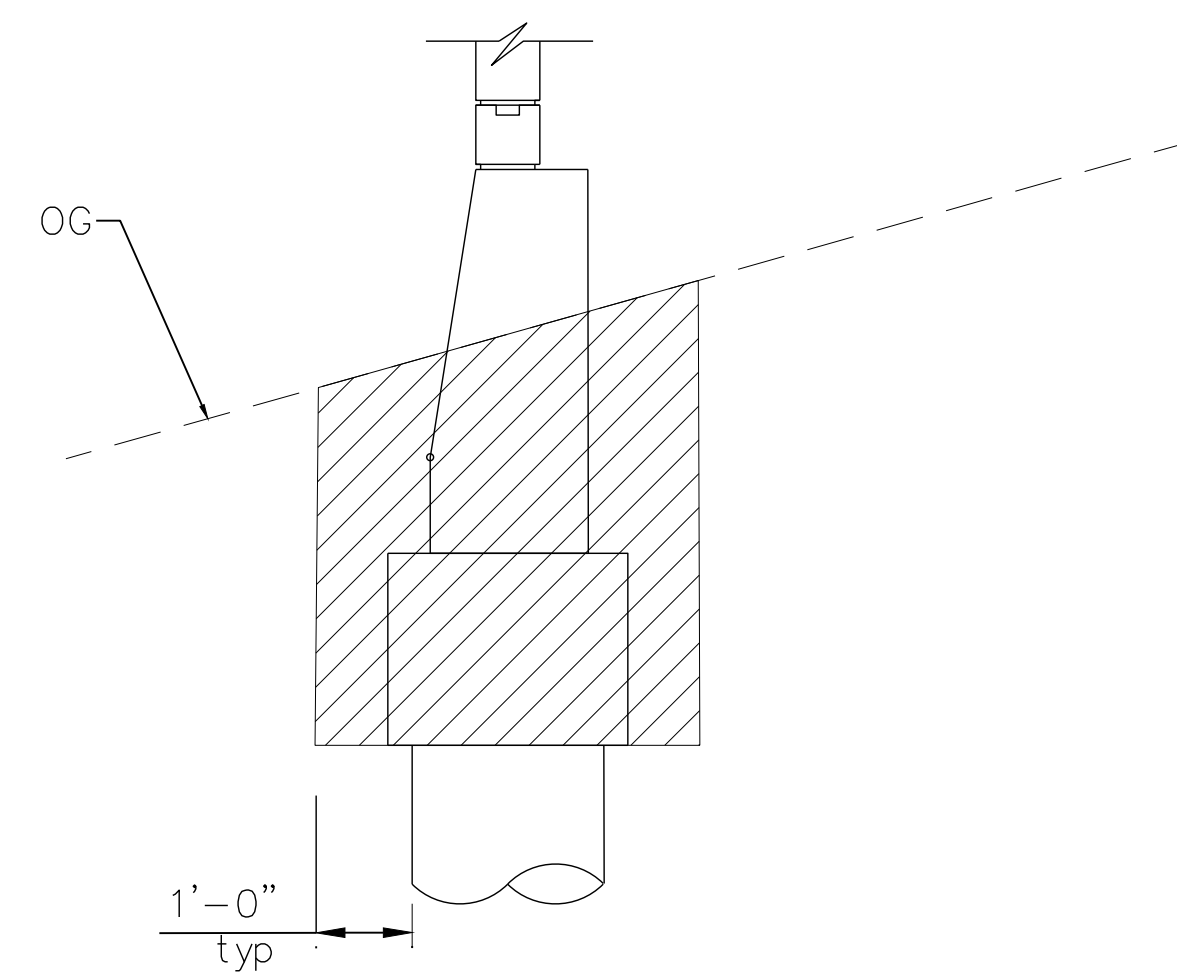
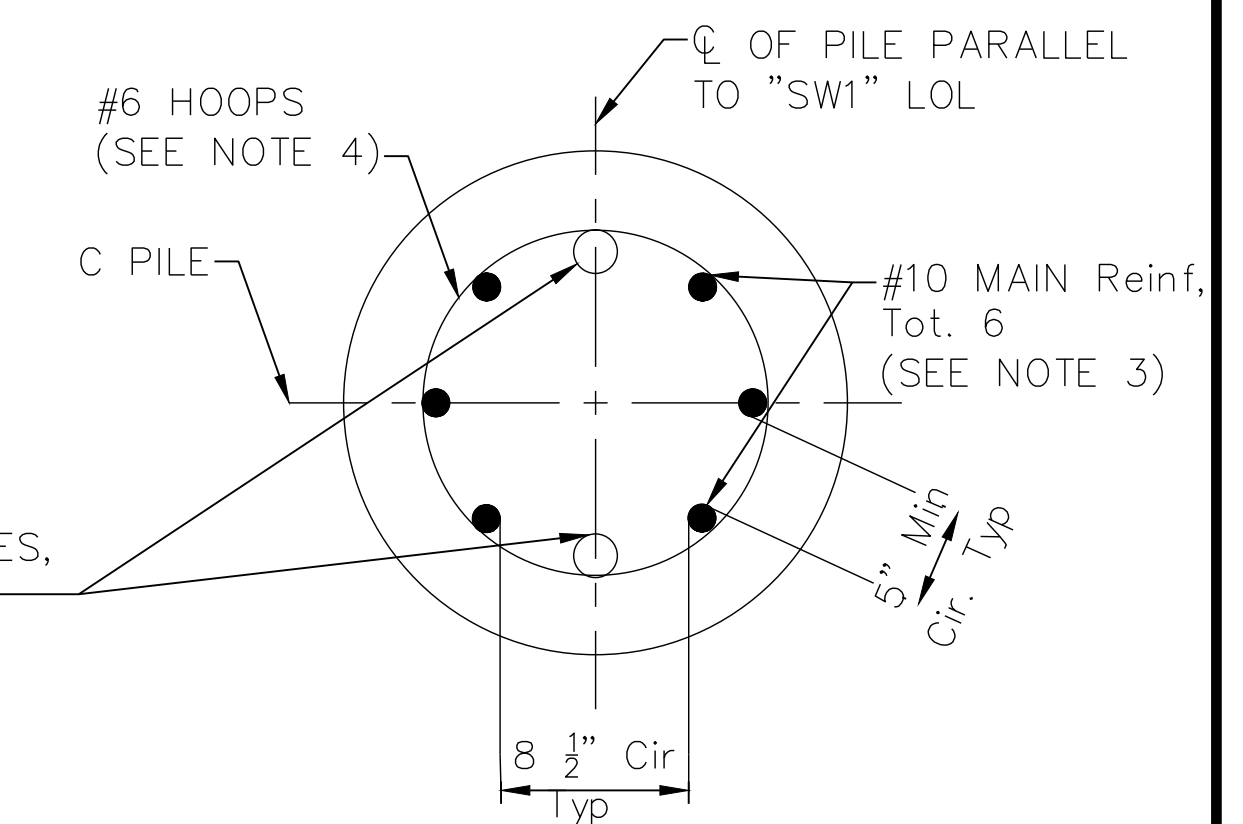
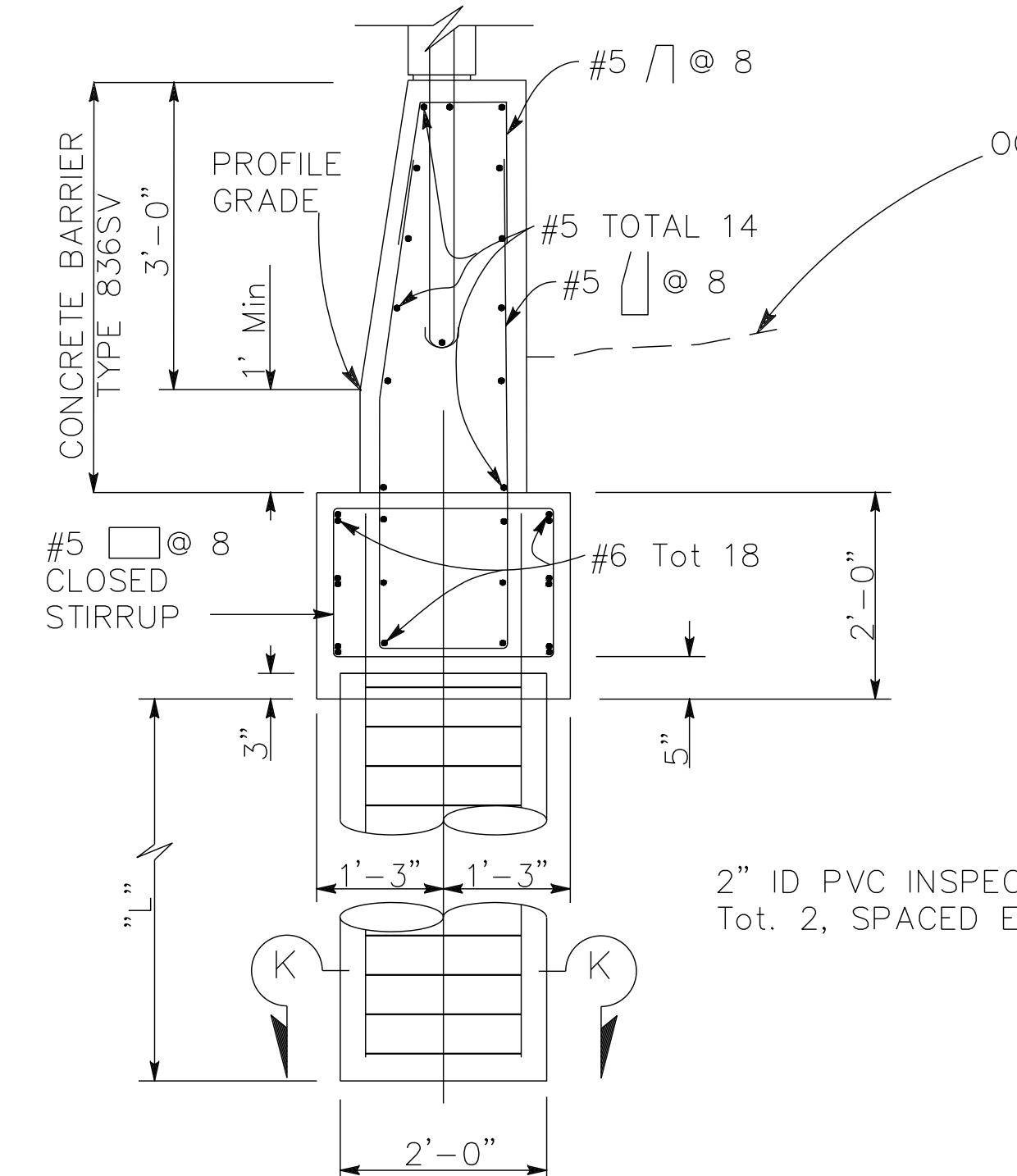
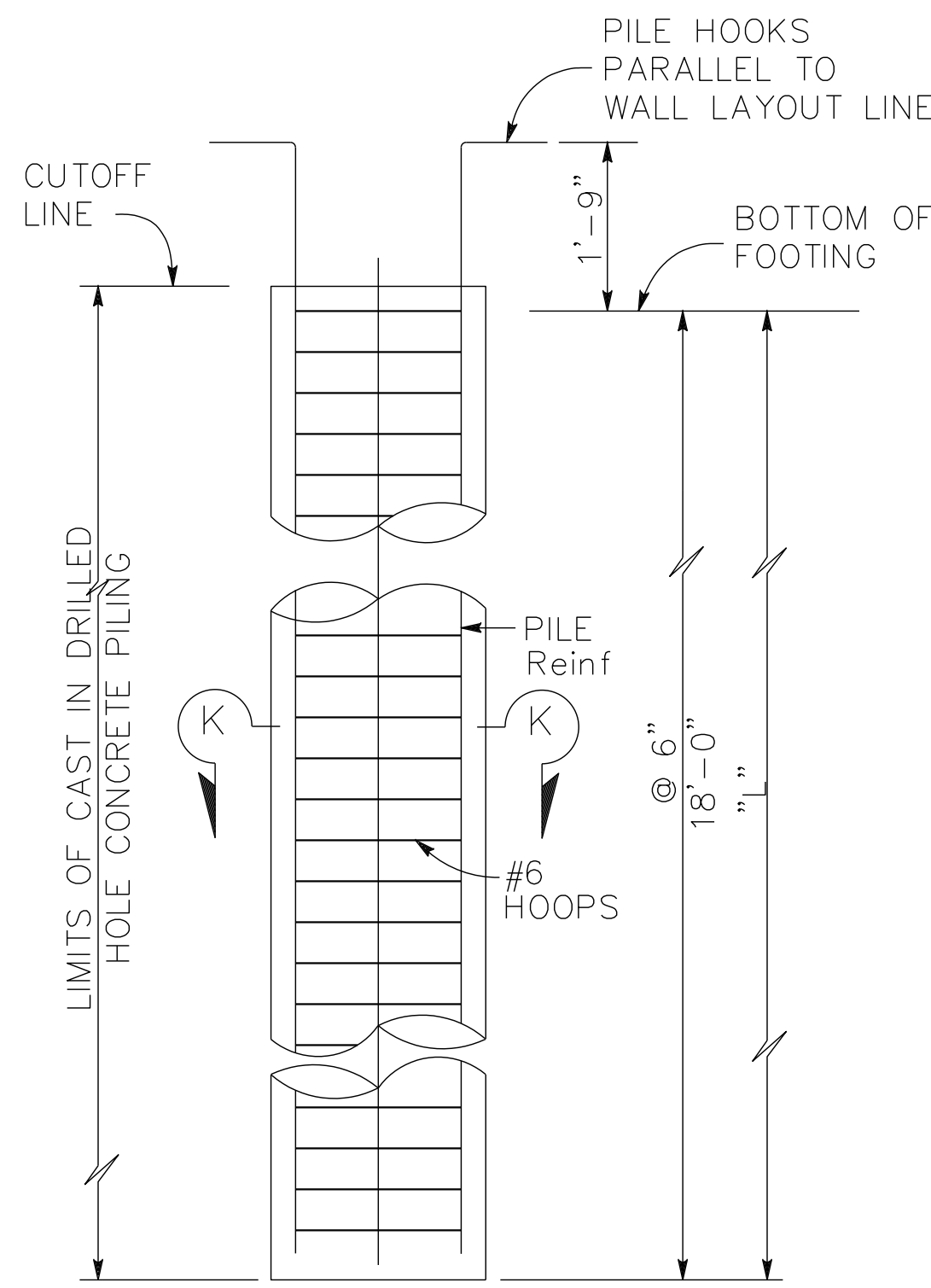
REINFORCED
CONCRETE: $f'_c = 3.6$ ksi
 $f_y = 60$ ksi

MASONRY: $f'_m = 2000$ psi *
 $f'_m = 2500$ psi FOR HIGH-STRENGTH BLOCKS ONLY *
*PROVIDE MATERIALS TO ACHIEVE THE NET COMPRESSIVE STRENGTH OF CONCRETE MASONRY UNIT EQUAL OR GREATER THAN THE SPECIFIED f'_m .

LOAD COMBINATIONS AND LIMIT STATES
SERVICE I $Q = 1.00DC + 1.00EV + 1.00EH + 1.00LS + 0.30WS$
SERVICE II $Q = 1.00DC + 1.00EV + 1.00EH + 1.00WS$
STRENGTH I $Q = \alpha DC + \beta EV + 1.50EH + 1.75LS$
STRENGTH III $Q = \alpha DC + \beta EV + 1.50EH + 1.40WS$
STRENGTH V $Q = \alpha DC + \beta EV + 1.50EH + 1.35LS + 0.40WS$
EXTREME I $Q = 1.00DC + 1.00EV + 1.00EH + 1.00EQD + 1.00EQE$

WHERE:

- Q: FORCE OF EFFECTS
- α : 1.25 OR 0.90, WHICH EVER CONTROLS DESIGN
- β : 1.35 OR 1.00, WHICH EVER CONTROLS DESIGN
- DC: DEAD LOAD OF STRUCTURE COMPONENTS
- EH: HORIZONTAL EARTH PRESSURE
- EV: VERTICAL EARTH FILL PRESSURE
- LS: LIVE LOAD SURCHARGE
- EQE: SEISMIC EARTH PRESSURE
- EQD: SOIL AND STRUCTURE COMPONENTS INERTIA.
SOIL INERTIA IGNORED FOR STEM DESIGN
- WS: WIND LOAD ON SOUND WALL AND BARRIER.



LIMITS OF PAYMENT FOR EXCAVATION AND BACKFILL

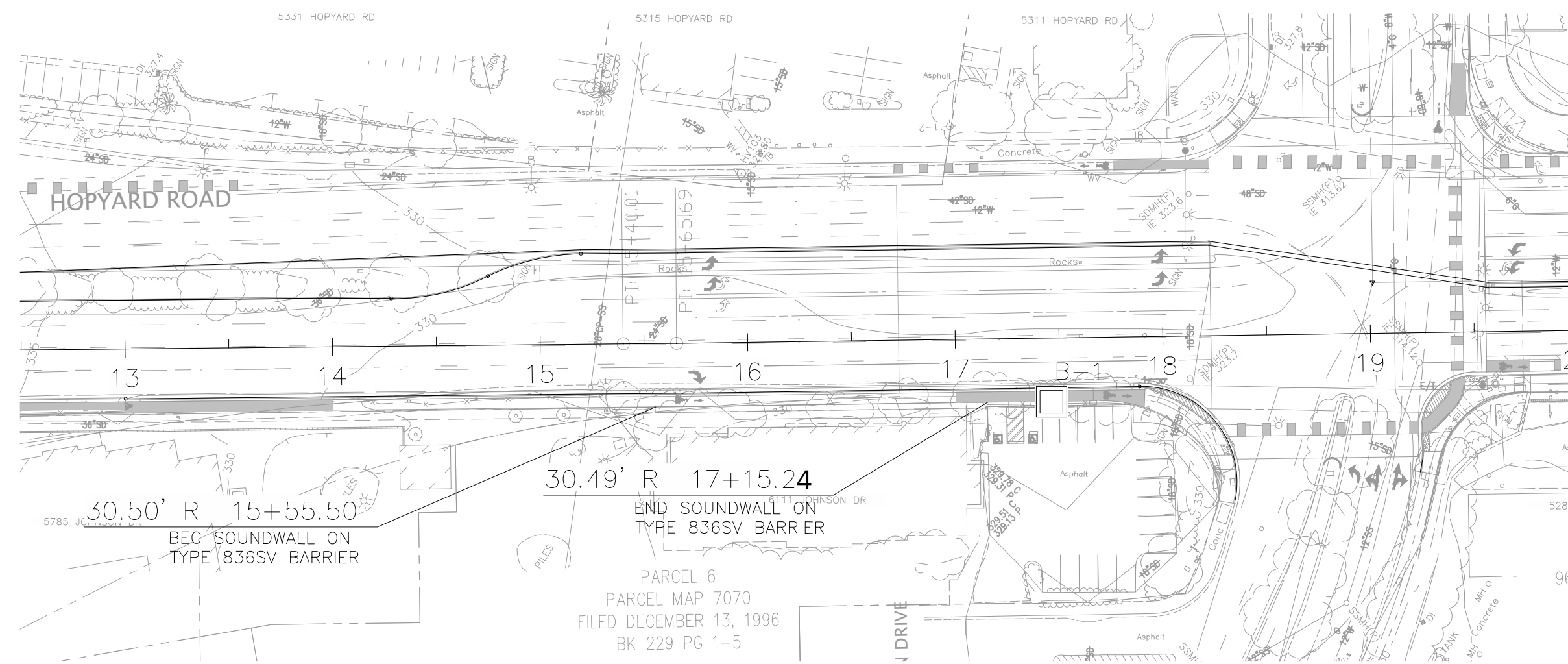
- LEGEND:**
- STRUCTURE EXCAVATION (SOUND WALL)
 - STRUCTURE BACKFILL (SOUND WALL)

- NOTES:**
1. FOR DIMENSIONS NOT SHOWN SEE SOUND WALL PLAN AND PROFILE SHEET
 2. FOR DETAILS NOT SHOWN, SEE STANDARD PLAN B15-6, B15-7, AND B15-15
 3. NO SPLICES ALLOWED IN MAIN CAST-IN-DRILLED-HOLE PILE REINFORCEMENT
 4. HOOPS TO HAVE ULTIMATE SPLICE

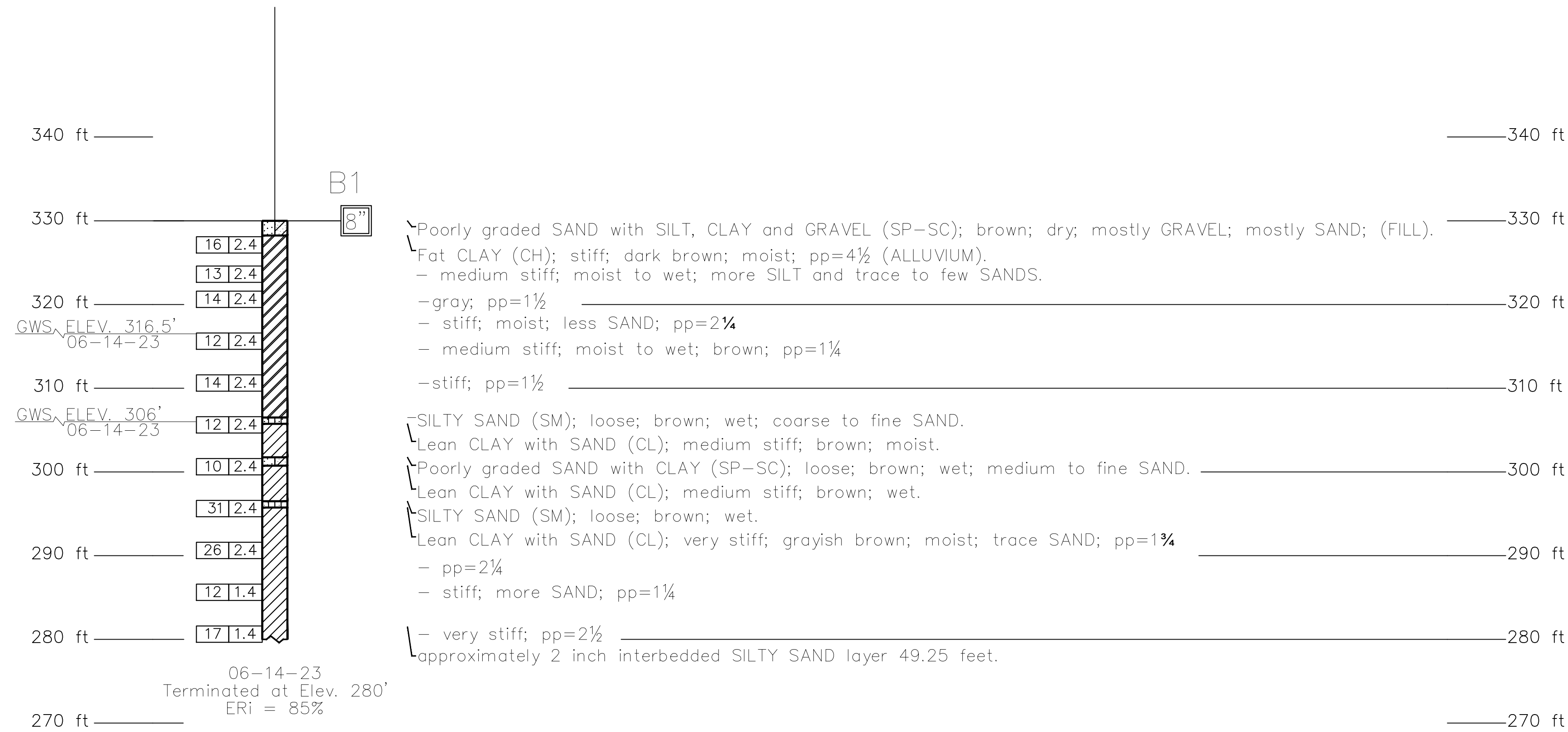
11/07/23
DATE
PROJECT ENGINEER
REGISTERED CIVIL ENGINEER
SCOTT MCCAULEY
No. 71495
Exp. 12/31/2023
CIVIL
STATE OF CALIFORNIA

M:\CCQ_Clients\Pleasanton\222-100 Hopyard and Owens Intersection Improvements\500-Design\505 - CADD Files\Sheets\22-100 - SoundWall2.dwg 11-30-23 11:30am jackson.kravets

REV.	DATE	DESCRIPTION	<p>CITY OF PLEASANTON Public Works Department</p>	<p>consor 344 Thomas L. Berkley Way, Suite 302C Oakland, California 94612 P: 925.416.1500</p>	<p>HOPYARD AND OWENS INTERSECTION IMPROVEMENT - CIP #15525</p> <p>SOUND WALL PLAN AND PROFILE</p>	DESIGN: BK	SCALE: AS SHOWN	DWG NO.
						DRAWN: JK	PROJECT NO.: CIP-15525	
						CHECKED: MB	DATE: AUGUST 2023	27 OF 36



PLAN VIEW
SCALE : 1" = 60'



NOTES:

- 1) BORING WAS DRILLED WITH A TRUCK MOUNTED CME55 WITH 8-INCH HOLLOW-STEM AUGER.
- 2) RELATIVELY UNDISTURBED SOIL SAMPLES WERE OBTAINED BY DRIVING A 3-INCH OUTSIDE DIAMETER, WITH A 2.4-INCH INSIDE DIAMETER (CALIFORNIA MODIFIED) SPLIT-SPOON SAMPLER FOR MODIFIED CALIFORNIA SAMPLING METHODS AND A 2-INCH OUTSIDE DIAMETER WITH A 1.4-INCH INSIDE DIAMETER SPLIT-SPOON SAMPLER FOR STANDARD PENETRATION TEST SAMPLING METHODS.
- 3) THE BORING LOGS AND RELATED INFORMATION REPRESENT THE OPINION OF THE PROFESSIONAL ENGINEER/GEOLOGIST AS TO THE CHARACTER OF THE MATERIAL AT THE LOCATIONS SHOWN. SOIL AND GROUNDWATER CONDITIONS BETWEEN ADJACENT TEST HOLES AND AT OTHER LOCATIONS MAY DIFFER FROM THOSE SHOWN. GROUNDWATER CONDITIONS MAY CHANGE WITH PASSAGE OF TIME.
- 4) TEST BORING LOCATIONS WERE DETERMINED IN THE FIELD BASED ON STAKING AND PACING FROM MAPPED SITE FEATURES. THE LOCATIONS OF THE EXPLORATIONS SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE MEASURING METHODS USED.
- 5) 140-POUND AUTOMATIC HAMMER FALLING 30 INCHES WAS USED TO DRIVE SAMPLERS.
- 6) VISUAL CLASSIFICATION OF EARTH MATERIALS WAS BASED ON FIELD INSPECTION AND WAS CONFIRMED OR REVISED WITH LABORATORY TEST RESULTS.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	ALA	580	19.86	28	36

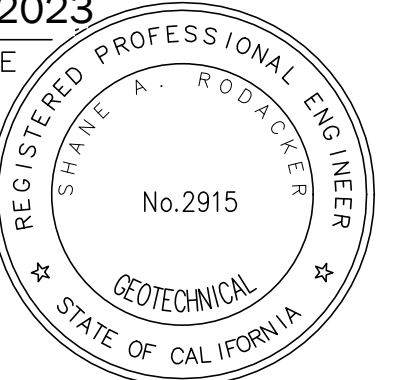
9/29/2023
DATE

PLANS APPROVAL DATE

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of scanned copies of this plan sheet.

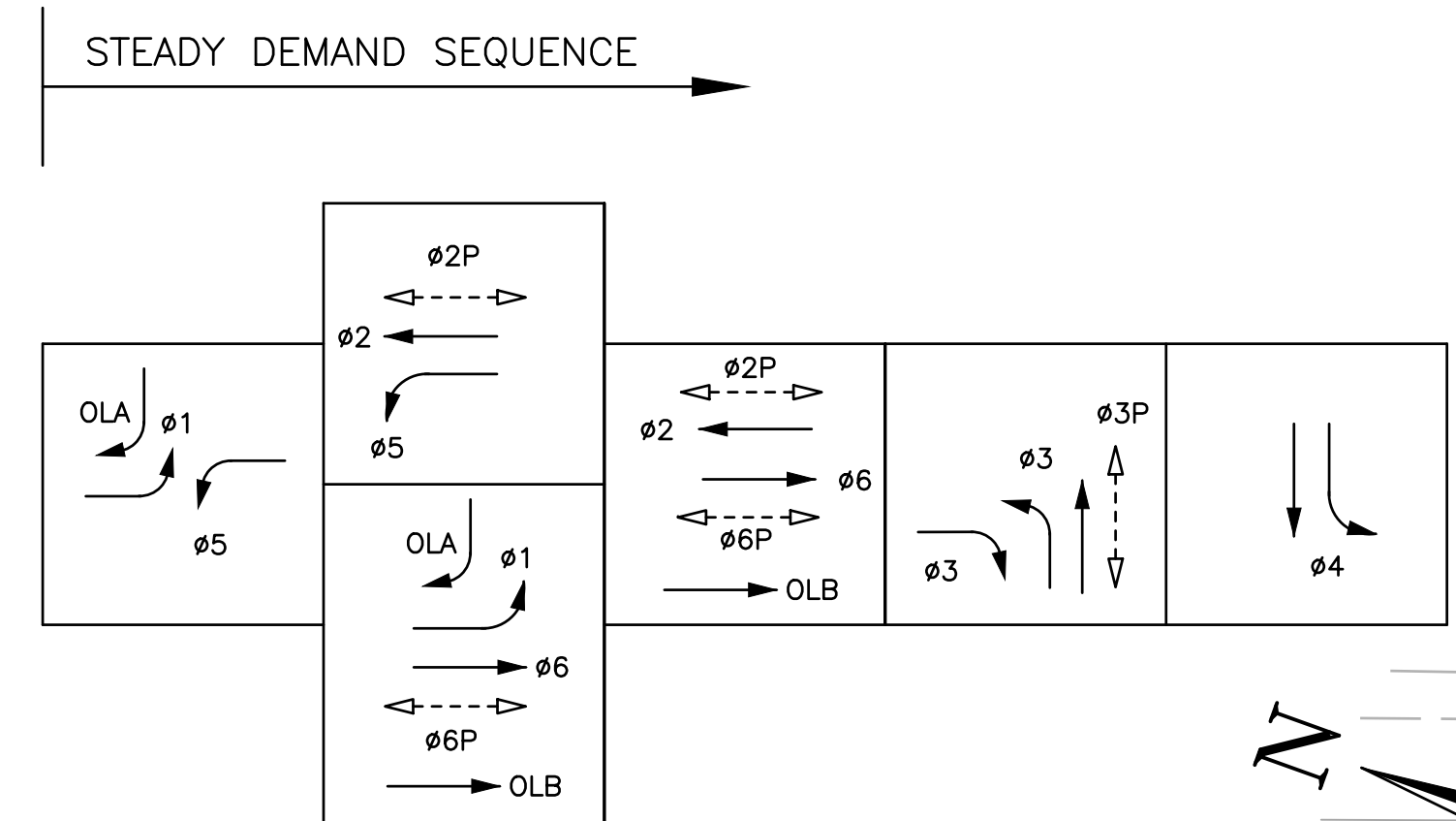
GEOCON CONSULTANTS INC.
6671 BRISA STREET, LIVERMORE, CA 94550
PHONE 925-961-5271
PROJECT NO. E8685-04-23

THIS LOTB SHEET WAS PREPARED IN ACCORDANCE WITH THE CALTRANS SOIL & ROCK LOGGING, CLASSIFICATION, AND PRESENTATION MANUAL (2022 EDITION). SEE 2022 STANDARD PLANS A10F AND A10G FOR SOIL LEGEND, AND A10H FOR ROCK LEGEND.



Y:\PROJECTS\E8685-04-23 Hopyard and Owens Soundwall\LOTB\E8685-04-23 LOTB1.dwg, 7-31-23, 01:04pm, wilkins

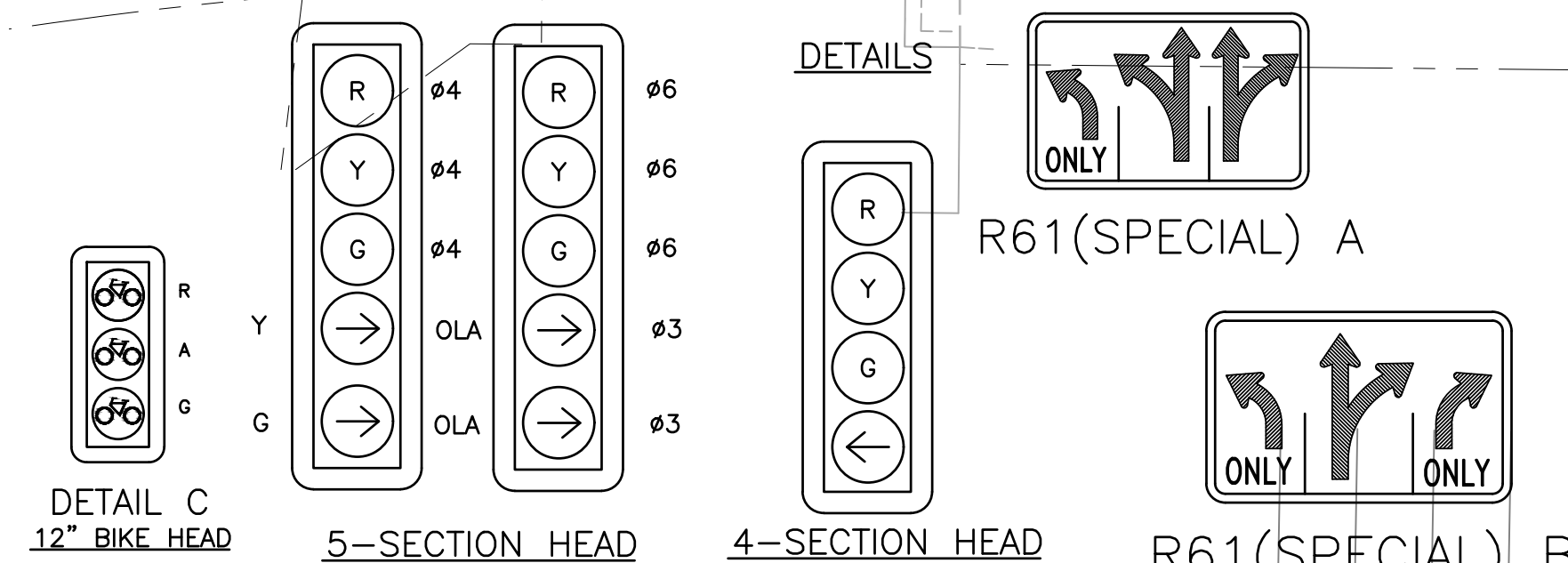
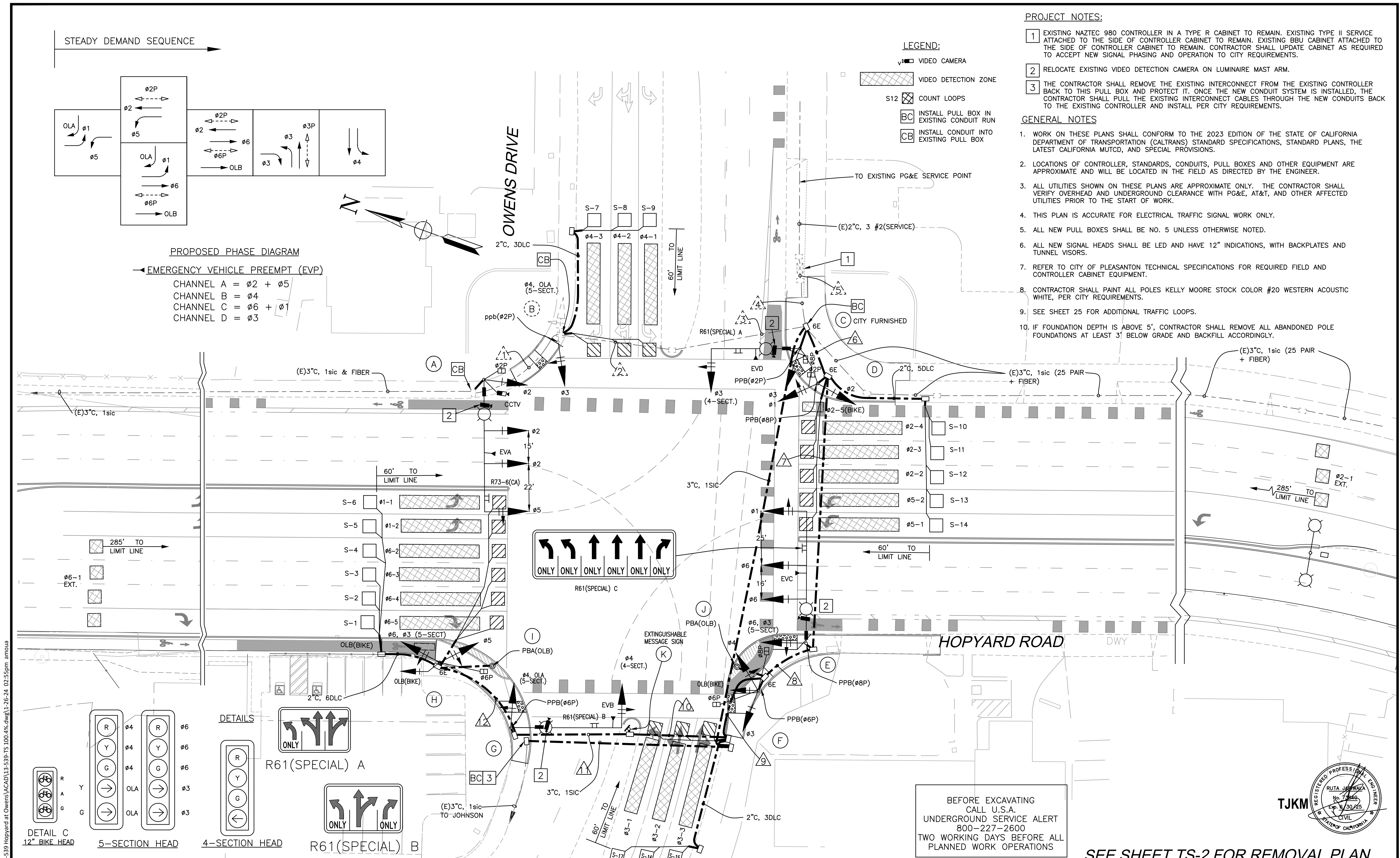
REV.	DATE	DESCRIPTION	<p>THE CITY OF PLEASANTON</p>	<p>CITY OF PLEASANTON Department of Engineering</p>	<p>HOPYARD AND OWENS INTERSECTION IMPROVEMENT</p> <p>SOUND WALL LOG OF TEST BORINGS</p>	DESIGN:	SCALE:	DWG NO.
						DRAWN: CW	PROJECT NO.: CIP-15525	
						CHECKED: SR	DATE: SEPTEMBER 2023	28 OF 36



PROPOSED PHASE DIAGRAM
← EMERGENCY VEHICLE PREEMPT (EVP)
 CHANNEL A = $\phi 2 + \phi 5$
 CHANNEL B = $\phi 4$
 CHANNEL C = $\phi 6 + \phi 1$
 CHANNEL D = $\phi 3$

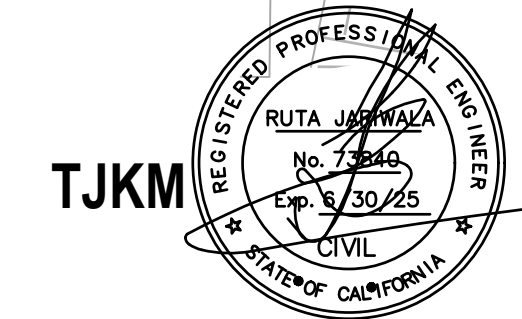
- LEGEND:**
- VIDEO CAMERA
 - VIDEO DETECTION ZONE
 - S12 COUNT LOOPS
 - BC INSTALL PULL BOX IN EXISTING CONDUIT RUN
 - CB INSTALL CONDUIT INTO EXISTING PULL BOX

- PROJECT NOTES:**
- 1 EXISTING NAZTEC 980 CONTROLLER IN A TYPE R CABINET TO REMAIN. EXISTING TYPE II SERVICE ATTACHED TO THE SIDE OF CONTROLLER CABINET TO REMAIN. EXISTING BBU CABINET ATTACHED TO THE SIDE OF CONTROLLER CABINET TO REMAIN. CONTRACTOR SHALL UPDATE CABINET AS REQUIRED TO ACCEPT NEW SIGNAL PHASING AND OPERATION TO CITY REQUIREMENTS.
 - 2 RELOCATE EXISTING VIDEO DETECTION CAMERA ON LUMINAIRE MAST ARM.
 - 3 THE CONTRACTOR SHALL REMOVE THE EXISTING INTERCONNECT FROM THE EXISTING CONTROLLER BACK TO THIS PULL BOX AND PROTECT IT. ONCE THE NEW CONDUIT SYSTEM IS INSTALLED, THE CONTRACTOR SHALL PULL THE EXISTING INTERCONNECT CABLES THROUGH THE NEW CONDUITS BACK TO THE EXISTING CONTROLLER AND INSTALL PER CITY REQUIREMENTS.
- GENERAL NOTES**
1. WORK ON THESE PLANS SHALL CONFORM TO THE 2023 EDITION OF THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS) STANDARD SPECIFICATIONS, STANDARD PLANS, THE LATEST CALIFORNIA MUTCD, AND SPECIAL PROVISIONS.
 2. LOCATIONS OF CONTROLLER, STANDARDS, CONDUITS, PULL BOXES AND OTHER EQUIPMENT ARE APPROXIMATE AND WILL BE LOCATED IN THE FIELD AS DIRECTED BY THE ENGINEER.
 3. ALL UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL VERIFY OVERHEAD AND UNDERGROUND CLEARANCE WITH PG&E, AT&T, AND OTHER AFFECTED UTILITIES PRIOR TO THE START OF WORK.
 4. THIS PLAN IS ACCURATE FOR ELECTRICAL TRAFFIC SIGNAL WORK ONLY.
 5. ALL NEW PULL BOXES SHALL BE NO. 5 UNLESS OTHERWISE NOTED.
 6. ALL NEW SIGNAL HEADS SHALL BE LED AND HAVE 12" INDICATIONS, WITH BACKPLATES AND TUNNEL VISORS.
 7. REFER TO CITY OF PLEASANTON TECHNICAL SPECIFICATIONS FOR REQUIRED FIELD AND CONTROLLER CABINET EQUIPMENT.
 8. CONTRACTOR SHALL PAINT ALL POLES KELLY MOORE STOCK COLOR #20 WESTERN ACOUSTIC WHITE, PER CITY REQUIREMENTS.
 9. SEE SHEET 25 FOR ADDITIONAL TRAFFIC LOOPS.
 10. IF FOUNDATION DEPTH IS ABOVE 5', CONTRACTOR SHALL REMOVE ALL ABANDONED POLE FOUNDATIONS AT LEAST 3' BELOW GRADE AND BACKFILL ACCORDINGLY.



BEFORE EXCAVATING
 CALL U.S.A.
 UNDERGROUND SERVICE ALERT
 800-227-2600
 TWO WORKING DAYS BEFORE ALL
 PLANNED WORK OPERATIONS

SEE SHEET TS-2 FOR REMOVAL PLAN



L:\CITIES\Pleasanton\13-539 Hopyard at Owens\ACAD\13-539-TS 100.4%_dwg 1-26-24 02:55pm amoua

REV.	DATE	DESCRIPTION	THE CITY OF PLEASANTON		CITY OF PLEASANTON Department of Engineering		TRAFFIC SIGNAL MODIFICATION PLAN		DESIGN: ESB	SCALE: 1"=20'	DWG. NO. TS-1
			305 Hacienda Drive, Suite 550 Pleasanton, CA 94588		TJKM		HOPYARD AND OWENS INTERSECTION IMPROVEMENTS		DRAWN: AT	PROJECT NO.: 13-539	29 OF 36
									CHECKED: ESB	DATE: AUGUST 2023	
									TRAFFIC ENGINEER:		

GENERAL NOTES

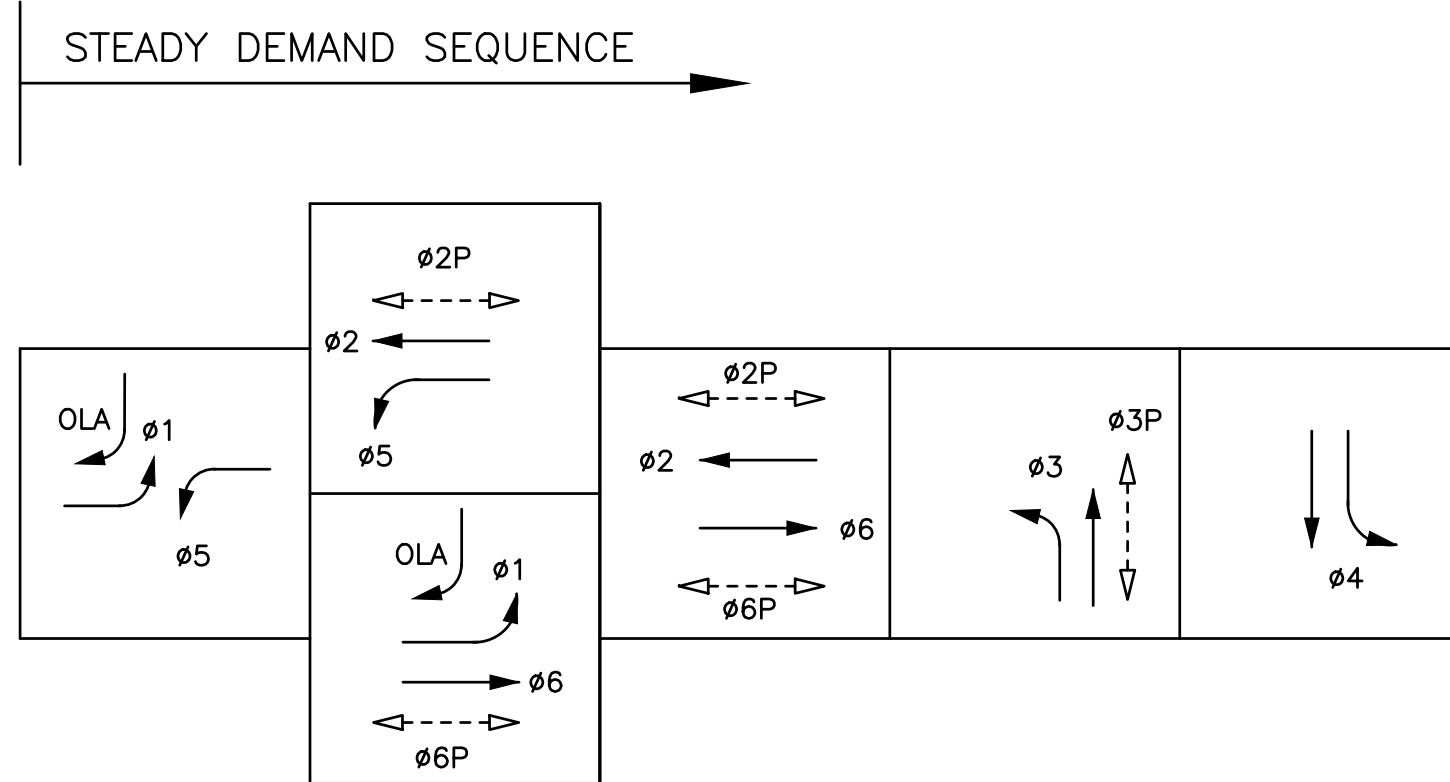
1. ALL TRAFFIC SIGNAL POLES AND SIGNAL EQUIPMENT SHALL BE **RC** BY THE CONTRACTOR

LEGEND

AB ABANDON. IF APPLIED TO CONDUIT, REMOVE CONDUCTORS

RC EQUIPMENT OR MATERIAL TO BE REMOVED AND BECOME THE PROPERTY OF THE CONTRACTOR

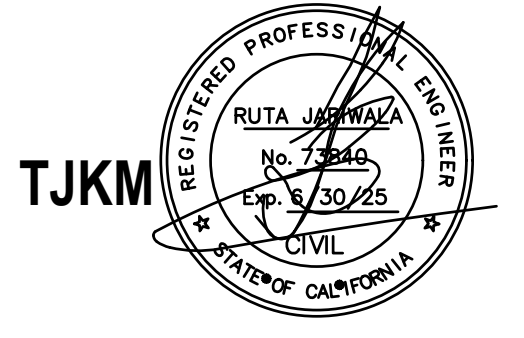
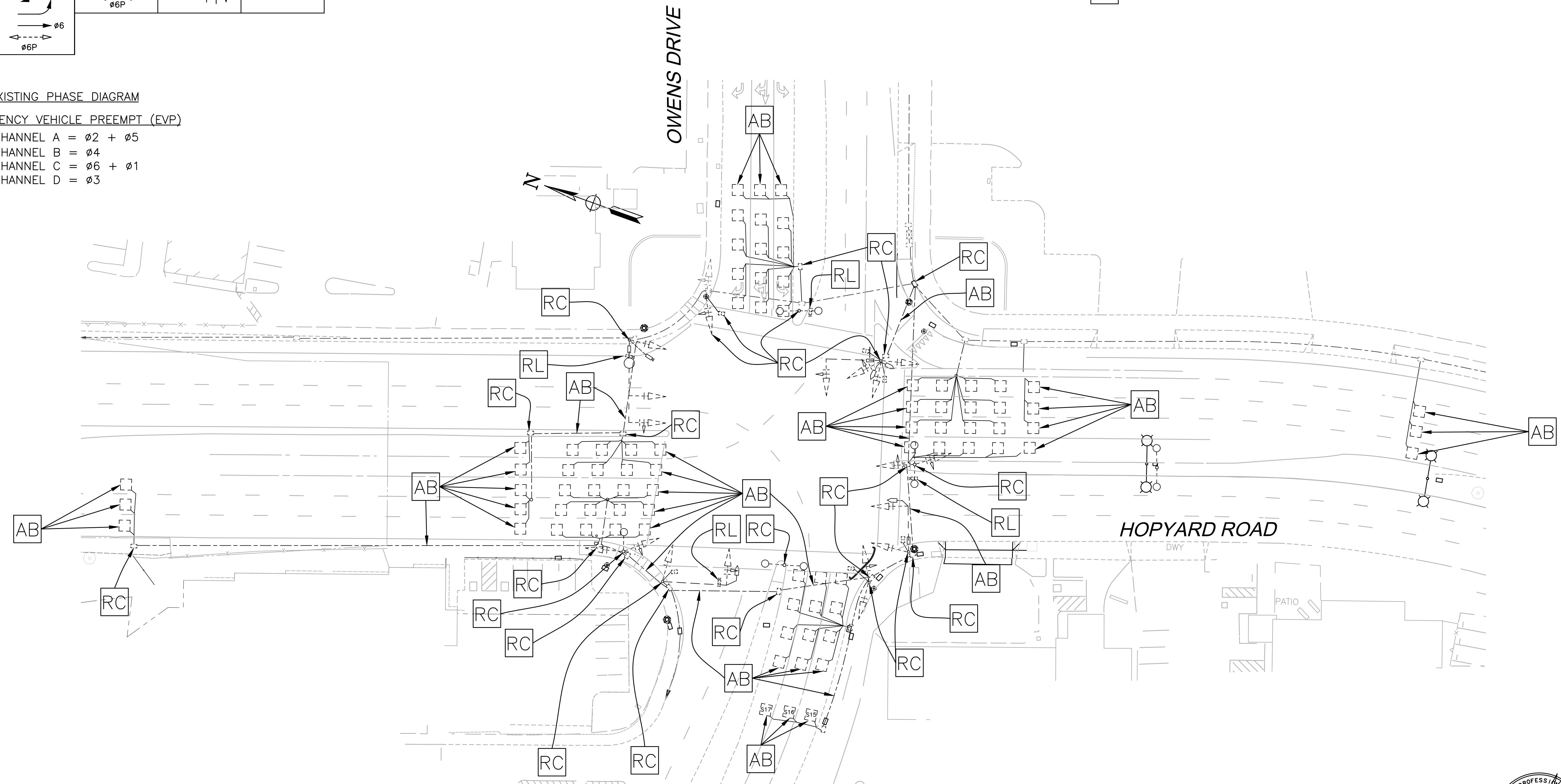
RL RELOCATE EQUIPMENT



EXISTING PHASE DIAGRAM

EMERGENCY VEHICLE PREEMPT (EVP)

- CHANNEL A = $\phi 2 + \phi 5$
- CHANNEL B = $\phi 4$
- CHANNEL C = $\phi 6 + \phi 1$
- CHANNEL D = $\phi 3$



L:\CITIES\Pleasanton\13-539 Hopyard at Owens\ACAD\13-539-TS 100.4%.dwg 1-26-24 02:55pm amoua

REV.	DATE	DESCRIPTION	THE CITY OF PLEASANTON		CITY OF PLEASANTON Department of Engineering		TJKM 4305 Hacienda Drive, Suite 550 Pleasanton, CA 94588 tjkm@tjkm.com		TRAFFIC SIGNAL REMOVAL PLAN HOPYARD AND OWENS INTERSECTION IMPROVEMENTS		DESIGN: ESB	SCALE: 1"=30'	DWG. NO. TS-2
			CITY OF PLEASANTON		Department of Engineering		TJKM		TRAFFIC SIGNAL REMOVAL PLAN		DRAWN: AT	PROJECT NO.: 13-539	
			CITY OF PLEASANTON		Department of Engineering		TJKM		TRAFFIC SIGNAL REMOVAL PLAN		CHECKED: ESB	DATE: AUGUST 2023	30 OF 36
			CITY OF PLEASANTON		Department of Engineering		TJKM		TRAFFIC SIGNAL REMOVAL PLAN		TRAFFIC ENGINEER:		

CONDUCTOR TABLE													
AWG	CIRCUIT	RUNS											
		1	2	3	4	5	6	7	8	9	10	11	12
NO. 14	Ø1				3	3	3						
	Ø2	3	3	3	6	6	3						
	Ø3		3	3	8	8	5	5	5	2	2	2	2
	Ø4		3	3	6	6	3	3	3	3	3	3	
	Ø5	3	3	3	6	6	3	3	3	3	3	3	3
	Ø6				3	3	3	3	3	3	3	3	3
	OLA		2	2	4	4	2	2	2	2	2	2	
	Ø2P	2	2	2	4	4	2						
	Ø6P				2	2	2	2	2	2	2	2	2
	Ø8P				2	2	2	2	2				
	OLB(BIKE)				2	2	2	2	2	2	2	2	2
	APS(Ø2P)		2	2	2	2							
	APS(Ø6P)				2	2	2	2	2	2	2		
	APS(Ø8P)				2	2	2	2					
	APS(OLB BIKE)				2	2	2	2	2	2	2	2	2
	APS COMMON	1	1	1	1	2	2	1	1	1	1	1	1
	EXTINGUISHABLE SIGN					3	3	3	3	3	3		
	SPARES	3	3	3	3	6	6	3	3	3	3	3	3
	IISNS	2	2	2	4	4	2	2	2	2	2	2	2
	TOTAL No. 14	14	24	24	62	69	49	40	35	30	30	27	18
NO. 8	SIGNAL NEUTRAL	1	1	1	2	2	1	1	1	1	1	1	
	LUMINAIRE	2	2	2	4		2	2	2	2	2		
	TOTAL No. 8	3	3	3	6	2	3	3	3	3	3	1	
VIDEO CABLE	CCTV VIDEO/POWER (CAT5E)	1	1	1	1	1							
	VIDEO DETECTION	1	1	1	4	4	2	2	1	1	1	1	
	TOTAL CABLES	2	2	2	5	5	2	2	1	1	1	1	
DLC	Ø1				2	2	2	2	2	2	2	2	
	Ø2				3	3	3						
	Ø3				3	3	3	3	3	3			
	Ø4		3	3	3	3							
	Ø5				2	2	2						
	Ø6				4	4	4	4	4	4	4	4	
	S-1 THRU S-6				6	6	6	6	6	6	6	6	
	S-7,S-8,S-5,&S-9		3	3	3	3							
S-10 THRU S-14				5	5	5							
S-15, S-16,&S-17				3	3	3	3	3	3				
TOTAL DLC		6	6	34	34	28	18	18	18	12	12	12	
OPTICOM CABLE	EVA (Ø2 + Ø5)	1	1	1	1	1							
	EVB (Ø4 + Ø7)				1	1	1	1	1	1	1		
	EVC (Ø6 + Ø1)				1	1	1						
	EVD (Ø8 + Ø3)				1	1							
	TOTAL CABLES	1	1	1	4	4	2	2	1	1	1	1	
CONDUIT SIZE	3"	3"	3"	2-3"	2-3"	4"	4"	4"	4"	4"	4"	4"	
CONDUIT FILL	11%	18%	18%	35%	34%	30%	22%	20%	19%	16%	15%	11%	

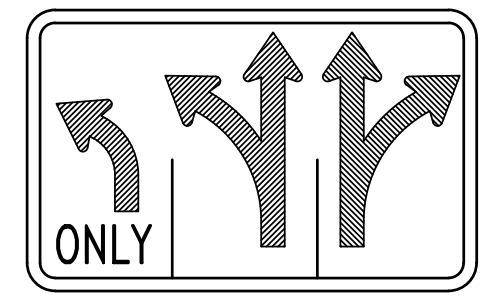
(E) = EXISTING E E E E E N N N N N N N
(N) = NEW INTERSECTION SHALL BE WIRED WITH ALL NEW CONDUCTOR/CABLES

EQUIPMENT SCHEDULE											
No.	STANDARD			VEH SIG MTG		PED SIGNAL		PPB		HPS** LUMINAIRE	SPECIAL REQUIREMENTS
	Type ***	Sig. M.A.	Lum.M.A.	Mast Arm	Pole	Ø	MTG	Ø	ARROW		
(A)	61-5-100	60'	15'	MAS MAS MAS	SV-1-T	2	SP-1-T	-	-	200W	RELOCATE EXISTING ELSNS (Owens Dr) TO NEW SMA. INSTALL R73-6(CA) AND OPTICOM CHANNEL "A" ON SMA. INSTALL CCTV ON POLE. RELOCATE EXISTING VIDEO DETECTION CAMERA TO LMA.
(B)	1-B (E)	-	-	-	TV-2-T	-	-	2 (E)	RIGHT (E)	-	
(C)	26-4-100 ****	40'	15'	MAS	SV-1-T	8	SP-1-T	2	LEFT	200W	RELOCATE EXISTING ELSNS (Hopyard Rd). INSTALL R61(SPECIAL) A, AND OPTICOM CHANNEL "D" ON SMA. RELOCATE EXISTING VIDEO DETECTION CAMERA TO LMA.
(D)	1-B	-	-	-	TV-2-T	2	SP-1-T	8	RIGHT	-	
(E)	61-5-100	60'	15'	MAS MAS MAS	SV-1-T	-	-	8	LEFT	200W	RELOCATE EXISTING ELSNS (OWENS DR). INSTALL R61(SPECIAL) C, AND OPTICOM CHANNEL "C" ON SMA. RELOCATE EXISTING VIDEO DETECTION CAMERA TO LMA.
(F)	1-B	-	-	-	TV-3-T *	6 8	SP-2-T	6	RIGHT	-	
(G)	29-5-100	50'	15'	MAS	SV-1-T	-	-	6	LEFT	200W	RELOCATE EXISTING ELSNS (Hopyard Rd). INSTALL R61(SPECIAL) B, AND OPTICOM CHANNEL "B" ON SMA. RELOCATE EXISTING VIDEO DETECTION CAMERA TO LMA.
(H)	1-B	-	-	-	TV-3-T *	6	SP-1-T	-	-		
(I)	PBA	-	-	-	-	-	-	OLB	RIGHT		
(J)	PBA	-	-	-	-	-	-	OLB	LEFT		
(K)	1-B	-	-	-	-	-	-	-	-		FURNISH AND INSTALL EXTINGUISHABLE MESSAGE SIGN. BLANK-OUT R3-1 SIGN OR APPROVED EQUAL PER CITY REQUIREMENTS.

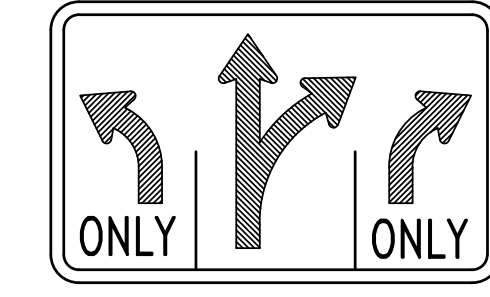
(E) = EXISTING
ALL EQUIPMENT IS NEW UNLESS NOTED OTHERWISE
* 12" BIKE HEAD TO BE INSTALLED.
** LUMINAIRES SHALL BE LED GE EVOLVE ERL2-0-16-D3-30-A-GRAY-L
*** CONTRACTOR SHALL PAINT ALL POLES KELLY MOORE STOCK COLOR #20 WESTERN ACOUSTIC WHITE, PER CITY REQUIREMENTS
**** POLE "C" WILL BE CITY FURNISHED. THE CONSTRUCTION CONTRACTOR SHALL PICK UP THE SIGNAL POLE FROM THE OSD AT 3333 BUSCH ROAD, PLEASANTON, CA 94566



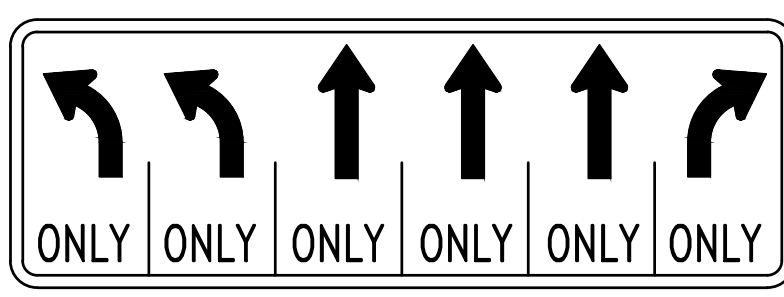
R73-6



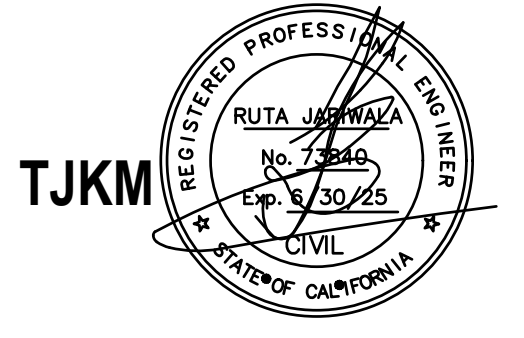
R61(SPECIAL) A



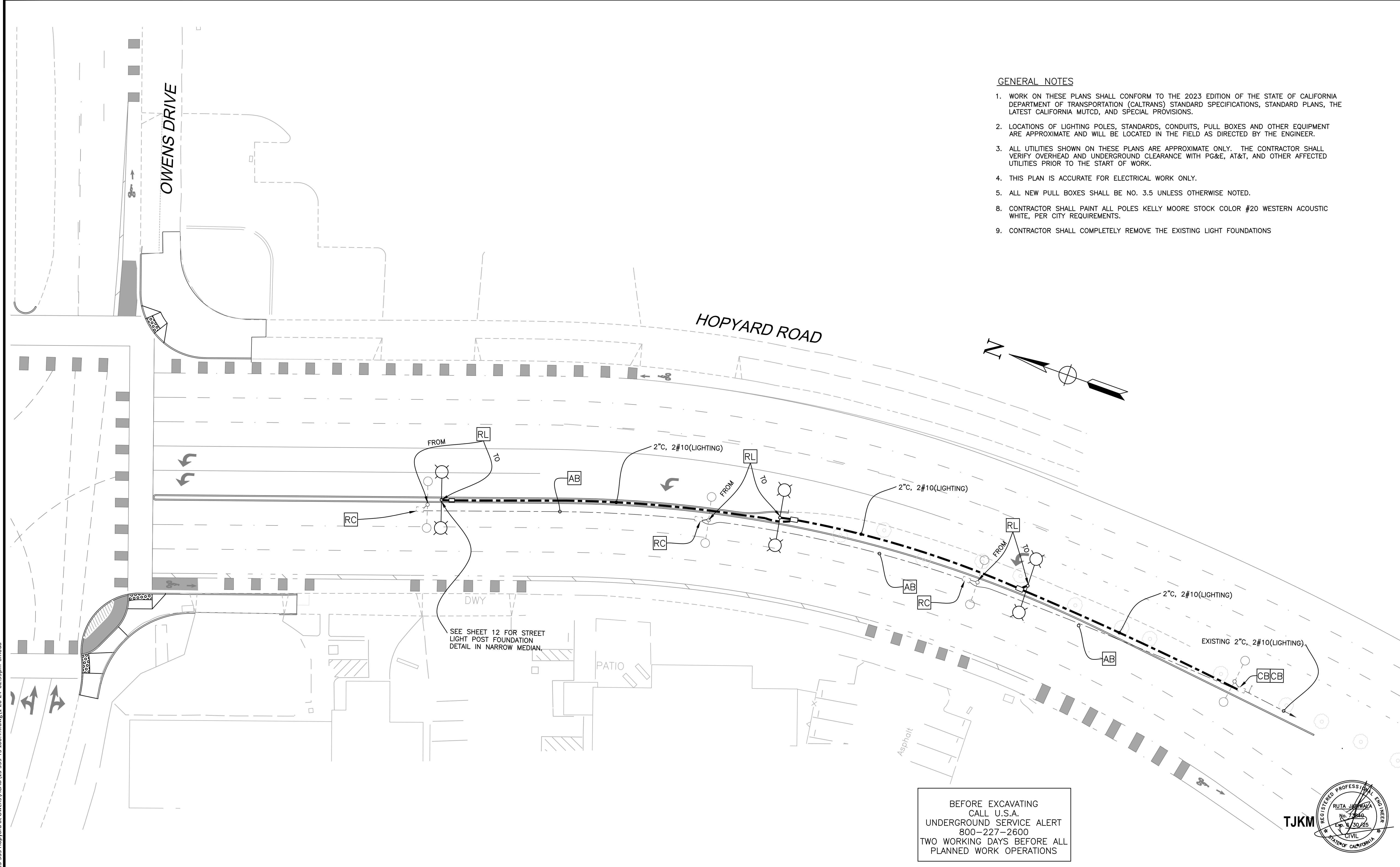
R61(SPECIAL) B



R61(SPECIAL) C

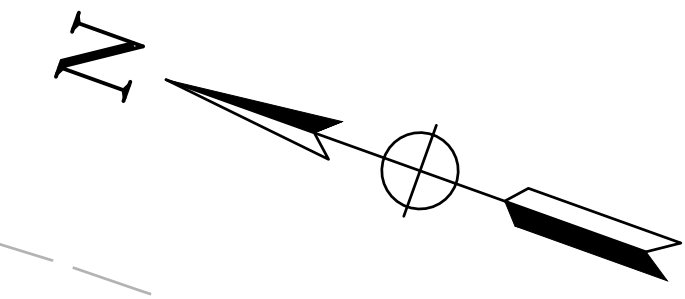


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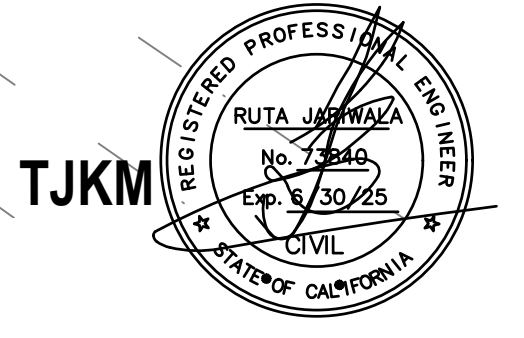
GENERAL NOTES

1. WORK ON THESE PLANS SHALL CONFORM TO THE 2023 EDITION OF THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS) STANDARD SPECIFICATIONS, STANDARD PLANS, THE LATEST CALIFORNIA MUTCD, AND SPECIAL PROVISIONS.
2. LOCATIONS OF LIGHTING POLES, STANDARDS, CONDUITS, PULL BOXES AND OTHER EQUIPMENT ARE APPROXIMATE AND WILL BE LOCATED IN THE FIELD AS DIRECTED BY THE ENGINEER.
3. ALL UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL VERIFY OVERHEAD AND UNDERGROUND CLEARANCE WITH PG&E, AT&T, AND OTHER AFFECTED UTILITIES PRIOR TO THE START OF WORK.
4. THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.
5. ALL NEW PULL BOXES SHALL BE NO. 3.5 UNLESS OTHERWISE NOTED.
6. CONTRACTOR SHALL PAINT ALL POLES KELLY MOORE STOCK COLOR #20 WESTERN ACOUSTIC WHITE, PER CITY REQUIREMENTS.
7. CONTRACTOR SHALL COMPLETELY REMOVE THE EXISTING LIGHT FOUNDATIONS



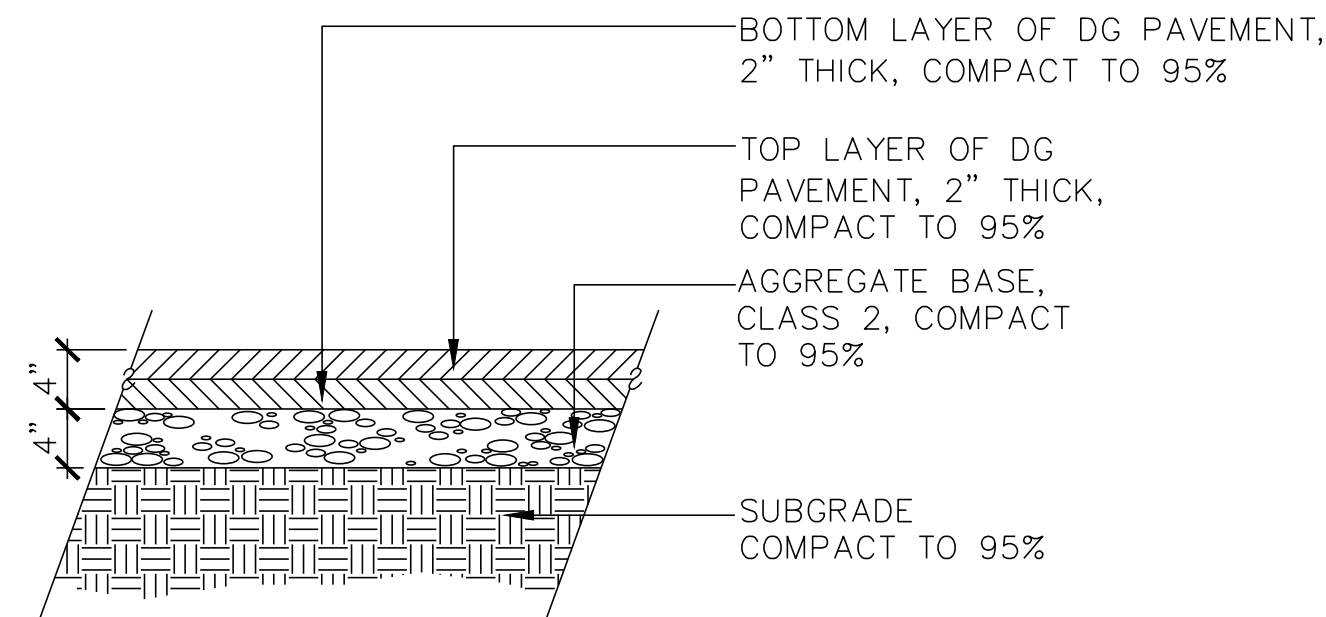
SEE SHEET 12 FOR STREET LIGHT POST FOUNDATION DETAIL IN NARROW MEDIAN.

BEFORE EXCAVATING
CALL U.S.A.
UNDERGROUND SERVICE ALERT
800-227-2600
TWO WORKING DAYS BEFORE ALL
PLANNED WORK OPERATIONS



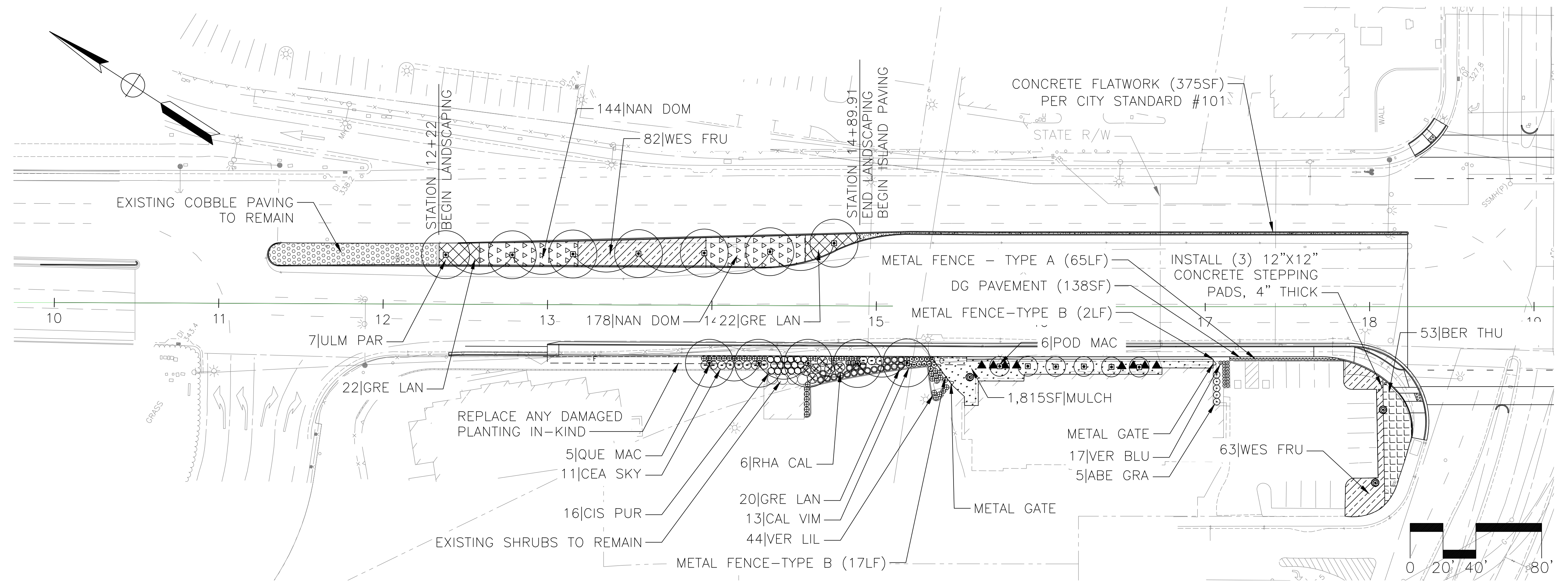
L:\CITIES\Pleasanton\13-539 Hopyard at Owens\ACAD\13-539-TS 100.4% dwg 1-26-24 02:55pm amoua

REV.	DATE	DESCRIPTION	<p>THE CITY OF PLEASANTON.</p>	<p>CITY OF PLEASANTON Department of Engineering</p>	<p>TJKM 4305 Hacienda Drive, Suite 550 Pleasanton, CA 94588 tjkm@tjkm.com</p>	<p>STREET LIGHTING PLAN</p> <p>HOPYARD AND OWENS INTERSECTION IMPROVEMENTS</p>	<p>DESIGN: ESB</p> <p>DRAWN: LP</p> <p>CHECKED: ESB</p> <p>TRAFFIC ENGINEER:</p>	<p>SCALE: 1"=20'</p> <p>PROJECT NO.: 13-539</p> <p>DATE: AUGUST 2023</p>	<p>DWG NO. TS-4</p> <p>32 OF 36</p>
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NOTE: BOTTOM LAYER OF DG PAVING SHALL BE COMPACTED BEFORE INSTALLATION OF TOP LAYER

DECOMPOSED GRANITE
NTS



PLANTING NOTES

- MULCH:** CONTRACTOR TO INSTALL A 3" LAYER OF MULCH IN ALL PLANTING AREAS. MULCH TO BE PROVIDED BY THE CITY. CONTRACTOR SHALL BE RESPONSIBLE FOR PICKING UP THE MULCH FROM THE CITY CORPORATION YARD AND DELIVERING THE MULCH TO THE SITE. CONTRACTOR SHALL COORDINATE WITH THE CITY A MINIMUM OF ONE WEEK IN ADVANCE OF MULCH PICK-UP.
- EXISTING PLANT MATERIAL:** PROTECT ALL EXISTING PLANT MATERIAL TO REMAIN. REPAIR ANY DAMAGES INCURRED AS A DIRECT RESULT OF THIS CONTRACT TO THE CITY'S SATISFACTION AT NO ADDITIONAL COST.
- GROUND COVER:** PROVIDE GROUND COVER AT INDICATED ON-CENTER SPACING THROUGHOUT ALL AREAS TO BE PLANTED. GROUND COVER SHALL BE PROVIDED UP TO THE WATERING BASIN OF ALL TREES AND SHRUBS.
- QUANTITIES:** THE QUANTITIES SHOWN ON THE LABELS ARE NOT TO BE CONSTRUED AS THE COMPLETE AND ACCURATE LIMITS OF THE CONTRACT. FURNISH AND INSTALL ALL PLANTS SHOWN SCHEMATICALLY ON THE DRAWINGS.
- TOPSOIL:** ALL PLANTING AREAS TO RECEIVE A SIX INCH LAYER OF NATIVE TOPSOIL PER CITY STANDARD SPECIFICATIONS.
- SOILS TESTING:** SEE CITY STANDARD SPECIFICATIONS FOR TESTING OF TOPSOIL AND AMENDMENTS.
- ROOT BARRIER:** DEEP ROOT CORP. #UB24-2. INSTALL FLUSH WITH INSIDE FACE OF CURB OR PAVEMENT EVERYWHERE TREES ARE WITHIN 8 FEET OF CURB OR PAVEMENT.
- PLANT PLACEMENT:** THE LAYOUT OF THE PROPOSED PLANTING SHALL BE REVIEWED WITH THE CITY LANDSCAPE ARCHITECT PRIOR TO PLANTING. REFER TO CITY STANDARD SPECIFICATIONS FOR MORE INFORMATION.

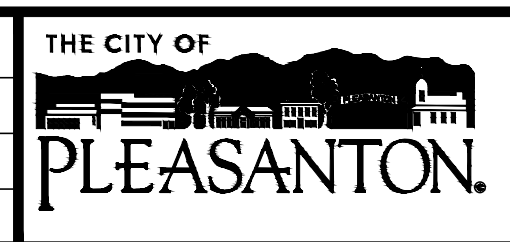
PLANT LIST

LEGEND	ABBREV.	BOTANICAL NAME	COMMON NAME	SIZE	WATER NEEDS	SPACING	CITY STND	DWG. NO.	QTY.
TREES									
□	POD MAC	PODOCARPUS MACROPHYLLUS	YEW PINE	24" BOX	M	AS SHOWN	806		6
○	QUE MAC	QUERCUS MAC. 'URBAN PINNACLE'	URBAN PINNACLE OAK	24" BOX	M	AS SHOWN	806		5
○	ULM PAR	ULMUS PARVIFOLIA 'ALLEE'	CHINESE ELM	24" BOX	M	AS SHOWN	806		7
VINES									
▲	FIC PUM	FICUS PUMILA	CREeping FIG	1 GAL.	M	AS SHOWN	816		8
SHRUBS/GRASSES									
⊙	ABE GRA	ABELIA GRANDIFLORA 'KALEIDOSCOPE'	KALEIDOSCOPE ABELIA	5 GAL.	M	4'-0"	809		5
⊙	BER THU	BERBERIS THUNBERGII 'ATROPURPUREA'	RED-LEAF JAPANESE BARBERRY	5 GAL.	M	4'-0"	809		53
⊙	CAL VIM	CALLISTEMON VIMINALIS 'LITTLE JOHN'	LITTLE JOHN BOTTLE BRUSH	1 GAL.	L	3'-0"	809		13
⊙	CEA SKY	CEANOTHUS 'SKYLARK'	SKYLARK CALIFORNIA LILAC	5 GAL.	L	5'-0"	809		11
⊙	CIS PUR	CISTUS PURPUREUS	PURPLE ROCKROSE	5 GAL.	L	4'-0"	809		16
⊙	GRE LAN	GREVILLEA LANIGERA 'COASTAL GEM'	WOOLLY GREVILLEA	1 GAL.	L	4'-0"	809		44
⊙	NAN DOM	NANDINA DOMESTICA 'FIREPOWER'	FIREPOWER HEAVENLY BAMBOO	1 GAL.	L	2'-6"	809		322
⊙	RHA CAL	RHAMNUS CAL. 'MOUND SAN BRUNO'	COFFEEBERRY	5 GAL.	L	6'-0"	809		6
⊙	VER BLU	VERBENA 'BLUE VIOLET'	BLUE VIOLET VERBENA	1 GAL.	L	2'-0"	809		17
⊙	VER LIL	VERBENA LILACINA 'DE LA MINA'	CEDROS ISLAND VERBENA	1 GAL.	L	3'-0"	809		44
⊙	WES FRU	WESTRINGIA FRUTICOSA 'BLUE GEM'	COAST ROSEMARY	5 GAL.	L	4'-0"	809		145
■	CONCRETE		CONCRETE FLATWORK					101	
■	DG PAVEMENT		DG PAVEMENT						
■	MULCH ONLY		SEE PLANTING NOTE #1						
⊙	EXISTING TREE		TO REMAIN						



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REV.	DATE	DESCRIPTION

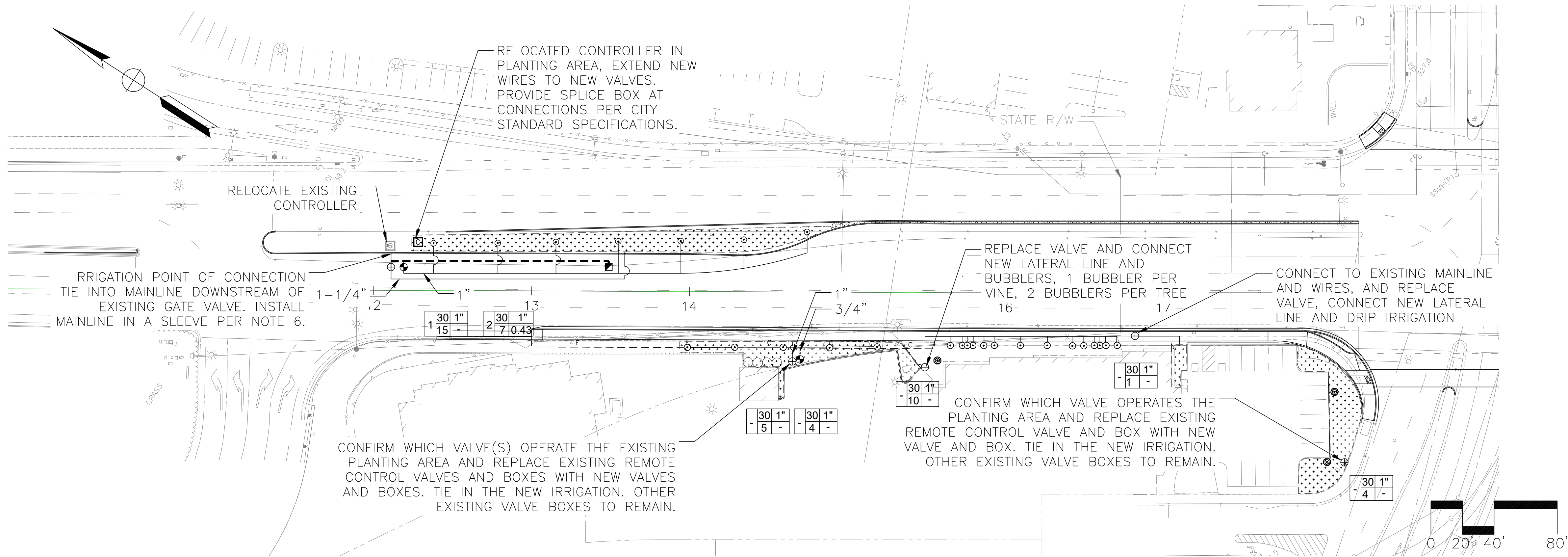


CITY OF PLEASANTON
PUBLIC WORKS DEPARTMENT

200 OLD BERNAL AVENUE
PLEASANTON, CA 94566
P: 925.437.4005

HOPYARD AND OWENS INTERSECTION IMPROVEMENT
PLANTING PLAN - HOPYARD ROAD (NORTH OF OWENS DRIVE)

DESIGN:	MG	SCALE:	AS SHOWN	DWG NO.
DRAWN:	SN	PROJECT NO.:	CIP-15525	
CHECKED:	MG	DATE:	8-10-2023	33 OF 36



IRRIGATION NOTES

- SPECIFICATIONS:** SEE IRRIGATION SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- VERIFICATION:** SYSTEM DESIGN IS BASED ON 50 P.S.I. AND 15 G.P.M. AVAILABLE AT DISCHARGE OUTLET OF METER OR OTHER POINT OF CONNECTION. VERIFY SAME AND NOTIFY CITY'S REPRESENTATIVE IF SUCH DATA ADVERSELY AFFECTS THE OPERATION OF THE SYSTEM. SUCH NOTICE SHALL BE MADE IN WRITING AND PRIOR TO COMMENCING ANY IRRIGATION WORK.
- UTILITIES:** VERIFY LOCATION OF ALL ON-SITE UTILITIES. RESTORATION OF DAMAGED UTILITIES SHALL BE MADE AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE CITY.
- SCHEMATIC:** SYSTEM FEATURES ARE SHOWN SCHEMATICALLY FOR GRAPHIC CLARITY. INSTALL ALL PIPING AND VALVES IN COMMON TRENCHES WHERE FEASIBLE AND INSIDE PLANTING AREAS WHENEVER POSSIBLE. ALL VALVES SHALL BE LOCATED IN GROUND COVER OR SHRUB AREAS WHENEVER POSSIBLE.
- CODES:** IRRIGATION SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH ALL LOCAL CODES AND MANUFACTURER'S SPECIFICATIONS. NOTIFY CITY'S REPRESENTATIVE BY TELEPHONE AND IN WRITING OF ANY CONFLICTS PRIOR TO INSTALLATION.
- SLEEVING:** ADEQUATELY SIZE ALL SLEEVES SHOWN ON PLAN. SLEEVES SHALL BE INSTALLED AT THE NECESSARY DEPTHS PRIOR TO PAVEMENT CONSTRUCTION. SLEEVING SHALL EXTEND 1'-0" FROM EDGE OF PAVING INTO PLANTING AREA. SLEEVE SHALL BE SCH 40 PVC, 2X SIZE OF IRRIGATION LINE.
- QUICK COUPLING VALVES:** INSTALL ON TRIPLE SWING JOINT. LOCATE 12 INCHES AWAY FROM EDGE OF WALKS, WALLS, CURBS, AND HEADERBOARDS WITHIN PLANTING AREAS. PROVIDE CITY WITH ONE OPERATING KEY, TWO SETS OF LOCKING COVER KEYS, AND ONE SWIVEL HOSE ELL.
- MAINLINE BREAK:** SHOULD THE EXISTING MAINLINE BREAK OR BE SHUT OFF FOR ANY REASON DURING THE COURSE OF CONSTRUCTION THE CONTRACTOR SHALL HAND WATER ALL TREES, SHRUBS, TURF, AND GROUND COVER THAT THE EXISTING IRRIGATION SYSTEM WATERS. CONTINUE TO DO SO UNTIL THE IRRIGATION SYSTEM IS OPERABLE.
- IRRIGATION VALVES:** LOCATE ALL VALVES IN THE PLANTING AREA.
- SYSTEM TEST:** OPERATE EACH VALVE PRIOR TO COMMENCING WORK AND DOCUMENT FUNCTIONALITY.
- IRRIGATION ON PRIVATE PROPERTY:** CONTRACTOR SHALL COORDINATE THE INSTALLATION OF THE IRRIGATION MODIFICATIONS WITH THE CITY AND PRIVATE PROPERTY OWNERS, OR THEIR APPROVED REPRESENTATIVE, PRIOR TO INSTALLATION.

IRRIGATION LEGEND

- BUBBLER, RAINBIRD 1401 SERIES, SEE CITY STANDARD DETAIL #815
 - MAINLINE, SCH. 40 PVC, 1-1/2" SIZE, SEE CITY STANDARD DETAIL #804
 - LATERAL LINE, SCH 40 PVC, SIZE PER PLAN, SEE CITY STANDARD DETAIL #804
 - QUICK COUPLING VALVE, RAINBIRD, 44LRC, SEE CITY STANDARD DETAIL #802
 - ⊕ REMOTE CONTROL VALVE, GRISWOLD DWS SERIES, VALVES IN MEDIAN SHALL INCLUDE INSTALLATION OF SOLENOID COMPATIBLE WITH CONTROLLER, SEE CITY STANDARD DETAIL #801
 - ⊕ DRIP IRRIGATION VALVE ASSEMBLY, GRISWOLD DWS SERIES VALVE, VALVES IN MEDIAN SHALL INCLUDE INSTALLATION OF SOLENOID COMPATIBLE WITH CONTROLLER. SEE CITY STANDARD DETAIL #816
 - ▨ IN-LINE DRIP IRRIGATION, RAINBIRD XFCV-06-18, 0.6 GPM EMITTER AND 18-INCH EMITTER SPACING. SPACE LATERAL ROWS AT 18-INCHES ON CENTER. INSTALL ALL LINES AT GRADE AND COVER WITH MULCH PER PLANTING PLAN. INSTALL RAINBIRD DRIP INDICATORS, AIR RELIEF VALVES, AND FLUSH VALVES PER RAINBIRD RECOMMENDATIONS. REVIEW LAYOUT WITH CITY PARKS DIVISION PRIOR TO CONSTRUCTION, BRETT GABBANI, (925) 931-5572
- VALVE #
 OPERATING PRESSURE
 VALVE SIZE
 PRECIPITATION RATE
 APPROXIMATE GPM THROUGH VALVE

Maximum Applied Water Allowance (MAWA)	Project Type	ETo	ETAF	Special Landscape Area (SLA)	Total Landscape Area including SLA	MAWA (gal/yr)
	Non-residential	46.2	0.45	-	7,997	103,080

MAWA = (ETo) * (0.62) * [(ETAF * LA) + ((1 - ETAF) * SLA)]

Estimated Total Water Use (ETWU)	ETo	(SF * PF) / IE	SLA	ETWU (gal/yr)
	46.2	3,311	-	94,827

ETWU = (ETo) * (0.62) * [(PF * SF) / IE] + SLA

Difference between MAWA and ETWU 8,253 Project meets water budget.

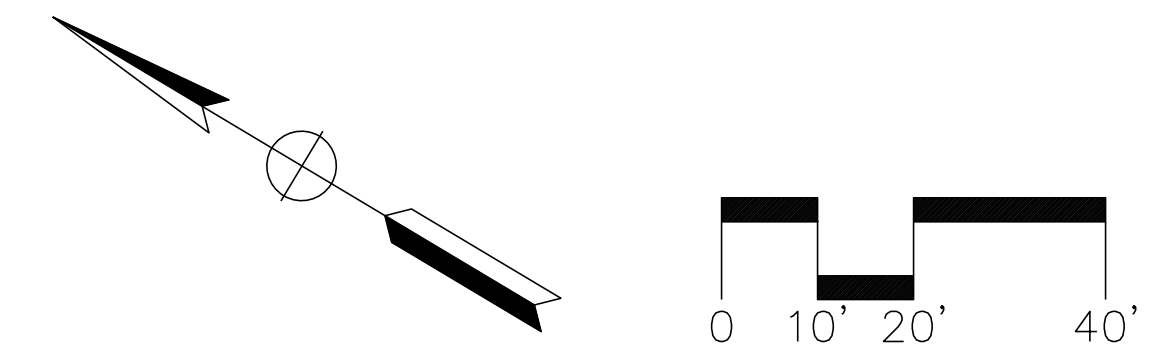
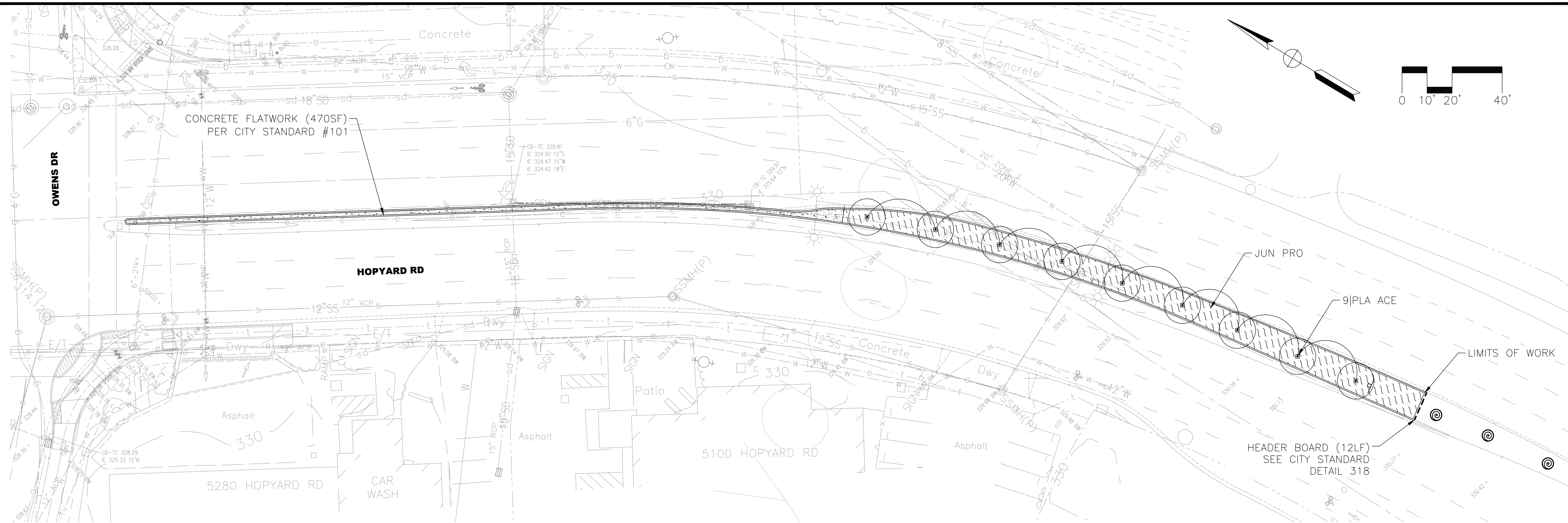
ETWU Calculation (Regular landscape areas)	Zone #	Description	Select irrigation	Square Feet (SF)	Plant Factor (PF)	Irrigation Efficiency (IE)	(SF * PF) / IE
	1	shrubs	Drip	5,915	0.30	0.81	2,191
	2	trees	Bubbler	112	0.50	0.81	69
	3	shrubs	Spray	1,970	0.40	0.75	1,051
	4						-
	Landscape area (not including SLA)				7,997		3,311

ETWU Calculation (Special Landscape Areas SLA)	Description	Square Feet (SF)	Plant Factor / Irrigation Efficiency (PF/IE)	(SF * PF) / IE
	Edible planting area	0	1.0	-
	Multi-use and sports field turf area	0	1.0	-
	Area irrigated with recycled water	0	1.0	-
	Total SLA	0		0

Total Landscape Area (including SLA) from ETWU Calculation 7,997



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PLANTING NOTES

- MULCH:** CONTRACTOR TO INSTALL A 3" LAYER OF MULCH IN ALL PLANTING AREAS. MULCH TO BE PROVIDED BY THE CITY. CONTRACTOR SHALL BE RESPONSIBLE FOR PICKING UP THE MULCH FROM THE CITY CORPORATION YARD AND DELIVERING THE MULCH TO THE SITE. CONTRACTOR SHALL COORDINATE WITH THE CITY A MINIMUM OF ONE WEEK IN ADVANCE OF MULCH PICK-UP.
- EXISTING PLANT MATERIAL:** PROTECT ALL EXISTING PLANT MATERIAL TO REMAIN. REPAIR ANY DAMAGES INCURRED AS A DIRECT RESULT OF THIS CONTRACT TO THE CITY'S SATISFACTION AT NO ADDITIONAL COST.
- GROUNDCOVER:** PROVIDE GROUNDCOVER AT INDICATED ON-CENTER SPACING THROUGHOUT ALL AREAS TO BE PLANTED. GROUNDCOVER SHALL BE PROVIDED UP TO THE WATERING BASIN OF ALL TREES AND SHRUBS.
- QUANTITIES:** THE QUANTITIES SHOWN ON THE LABELS ARE NOT TO BE CONSTRUED AS THE COMPLETE AND ACCURATE LIMITS OF THE CONTRACT. FURNISH AND INSTALL ALL PLANTS SHOWN SCHEMATICALLY ON THE DRAWINGS.
- TOPSOIL:** ALL PLANTING AREAS TO RECEIVE A SIX INCH LAYER OF NATIVE TOPSOIL PER CITY STANDARD SPECIFICATIONS.
- SOILS TESTING:** SEE CITY STANDARD SPECIFICATIONS FOR TESTING OF TOPSOIL AND AMENDMENTS.
- ROOT BARRIER:** DEEP ROOT CORP. #UB24-2. INSTALL FLUSH WITH INSIDE FACE OF CURB EVERYWHERE TREES ARE WITHIN 8 FEET OF CURB OR PAVEMENT.
- PLANT PLACEMENT:** THE LAYOUT OF THE PROPOSED PLANTING SHALL BE REVIEWED WITH THE CITY LANDSCAPE ARCHITECT PRIOR TO PLANTING. REFER TO CITY STANDARD SPECIFICATIONS FOR MORE INFORMATION.

PLANT LIST

LEGEND	ABBREV.	BOTANICAL NAME	COMMON NAME	SIZE	WATER NEEDS	SPACING	CITY STND	DWG. NO.	QTY.	
TREES										
	PLA ACE	PLATANUS ACERIFOLIA 'BLOODGOOD'	BLOODGOOD LONDON PLANE	24" BOX	M	AS SHOWN	806		9	
	JUN PRO	JUNIPERUS PROCUMBENS 'NANA'	JAPANESE GARDEN JUNIPER	1 GAL.	L	4'-0"	809		154	
	EXISTING TREE TO REMAIN									
	CONCRETE	CONCRETE FLATWORK						101		



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REV.	DATE	DESCRIPTION	<p>THE CITY OF PLEASANTON</p>	<p>CITY OF PLEASANTON PUBLIC WORKS DEPARTMENT</p>	<p>200 OLD BERNAL AVENUE PLEASANTON, CA 94566 P: 925.437.4005</p>	<p>HOPYARD AND OWENS INTERSECTION IMPROVEMENT</p> <p>PLANTING PLAN - HOPYARD ROAD (SOUTH OF OWENS DRIVE)</p>	<p>DESIGN: MG</p> <p>DRAWN: SN</p> <p>CHECKED: MG</p>	<p>SCALE: AS SHOWN</p> <p>PROJECT NO.: CIP-15525</p> <p>DATE: 8-10-2023</p>	<p>DWG NO.</p> <p>35 OF 36</p>
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