

GENERAL NOTES:

1. ALL WORK SHOWN HEREON SHALL BE DONE IN ACCORDANCE WITH THE CITY OF ARCADIA STANDARDS AND SPECIFICATIONS, AND APPENDIX J OF THE 2025 CALIFORNIA BUILDING CODE.

2. PRIOR TO THE START OF GRADING ALL EXISTING VEGETATION AND DEBRIS, INCLUDING EXISTING STRUCTURES, FOOTINGS, FOUNDATIONS, RUBBLE, TREES, AND ROOT SYSTEMS SHALL BE REMOVED FROM THE SITE TO THE SATISFACTION OF THE SOILS ENGINEER.

3. REMOVAL OF DEBRIS, EXISTING FILL AND DISTURBED NATURAL SOILS SHALL BE EXCAVATED TO THE SATISFACTION OF THE SOILS ENGINEER.

4. THE SOILS ENGINEER SHALL THEN INSPECT THE EXPOSED SOILS, AND ANY ADDITIONAL OVER EXCAVATION SHALL THEN BE MADE IN ACCORDANCE WITH THE SOILS ENGINEER'S RECOMMENDATIONS AND AS CONTAINED IN THE SOILS REPORT.

5. THE EXPOSED SOILS SHALL THEN BE SCARIFIED TO A MINIMUM DEPTH OF 6 INCHES, BROUGHT TO PROPER MOISTURE CONTENT AND COMPACTED TO AT LEAST 90 % OF THE MAXIMUM DENSITY, AS DETERMINED BY APPENDIX J OF THE 2025 CALIFORNIA BUILDING CODE OR EQUIVALENT COMPACTION SHALL BE OBTAINED BY METHODS SPECIFIED BY THE SOILS ENGINEER.

6. IF ANY UNFORESEEN SUBSURFACE STRUCTURES ARE ENCOUNTERED DURING CONSTRUCTION THEY SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE SOILS ENGINEER AND BUILDING DEPARTMENT BEFORE PROCEEDING FURTHER.

7. THE CONTRACTOR SHALL TAKE PROTECTIVE MEASURES SO AS NOT TO CAUSE ANY MUD, SILT OR DEBRIS TO BE DEPOSITED ONTO PUBLIC OR ADJACENT PROPERTY AT ALL TIMES DURING CONSTRUCTION. ANY MUD OR DEBRIS ON PUBLIC PROPERTY SHALL BE REMOVED IMMEDIATELY; DUST SHALL BE CONTROLLED BY WATERING OR OTHER APPROVED METHOD THROUGHOUT THE GRADING AND BUILDING CONSTRUCTION OPERATION.

8. PRIOR TO THE START OF ANY BUILDING CONSTRUCTION THE CONTRACTOR SHALL FURNISH THE CITY WITH CERTIFICATIONS FROM THE CIVIL ENGINEER AND SOILS ENGINEER THAT BUILDING PAD SUBGRADES ARE WITHIN 0.10 FOOT OF THE APPROVED PLANS AND THAT THE PROPER COMPACTION HAS BEEN OBTAINED.

9. NO GRADING SHALL COMMENCE WITHOUT OBTAINING A GRADING PERMIT AND NOTIFYING THE BUILDING INSPECTOR 24 HOURS PRIOR TO START OF WORK.

10. RESPONSIBILITY FOR GRADING AND INSPECTION SHALL BE ASSUMED BY THE ENGINEER OF RECORD IN ACCORDANCE WITH APPENDIX J OF THE 2025 CALIFORNIA BUILDING CODE.

11. THE SOILS ENGINEER SHALL ALSO BE RESPONSIBLE TO VERIFY AND REPORT THAT PROPER COMPACTION HAS BEEN OBTAINED BY SUBCONTRACTOR AND AGENCIES CONCERNING UTILITY LINE BACKFILL INCLUDING, BUT NOT LIMITED TO SEWERS, WATER LINES, ELECTRICAL, GAS AND LANDSCAPE IRRIGATION LINES.

12. CERTIFICATES OF FINAL LOT GRADING ARE TO BE SUBMITTED TO THE BUILDING AND SAFETY DIVISION PRIOR TO THE FINAL BUILDING INSPECTION.

13. AN "AS-BUILT" GRADING PLAN AND CERTIFICATION OF COMPLIANCE WITH SAID GRADING PLAN IS TO BE SUBMITTED TO THE BUILDING AND SAFETY DIVISION PRIOR TO RELEASE OF GRADING BOND AND PRIOR TO FINAL GRADING INSPECTION.

14. ALL SLOPES EXCEEDING 5' IN VERTICAL HEIGHT AND EXCEEDING 5:1 SLOPE ARE TO BE PLANTED WITH APPROVED PLANT MATERIAL AND PROVIDED WITH APPROVED WATERING SYSTEM.

15. NO ADJUSTMENT OF ELEVATION SHALL BE MADE WITHOUT PRIOR WRITTEN APPROVAL OF THE BUILDING OFFICIAL AND THE CIVIL ENGINEERING OF RECORD.

16. ALL P.C.C. WATER CARRYING DEVICES WITH MINIMUM SLOPES LESS THAN 0.5% WILL BE WATER TESTED PRIOR TO THE FINAL FINISH. ANY RESIDUAL PONDING IN EVIDENCE AT TIME OF INSPECTION SHALL BE CAUSE FOR REMOVAL AND REPLACEMENT.

17. ALL WALLS OVER 3 FT. IN FINISH HEIGHT REQUIRE SEPARATE PERMITS AND INSPECTION.

18. ALL WORK WITHIN THE PUBLIC RIGHT OF WAY REQUIRES PERMITS AND INSPECTION ISSUED BY THE ENGINEERING DIVISION.

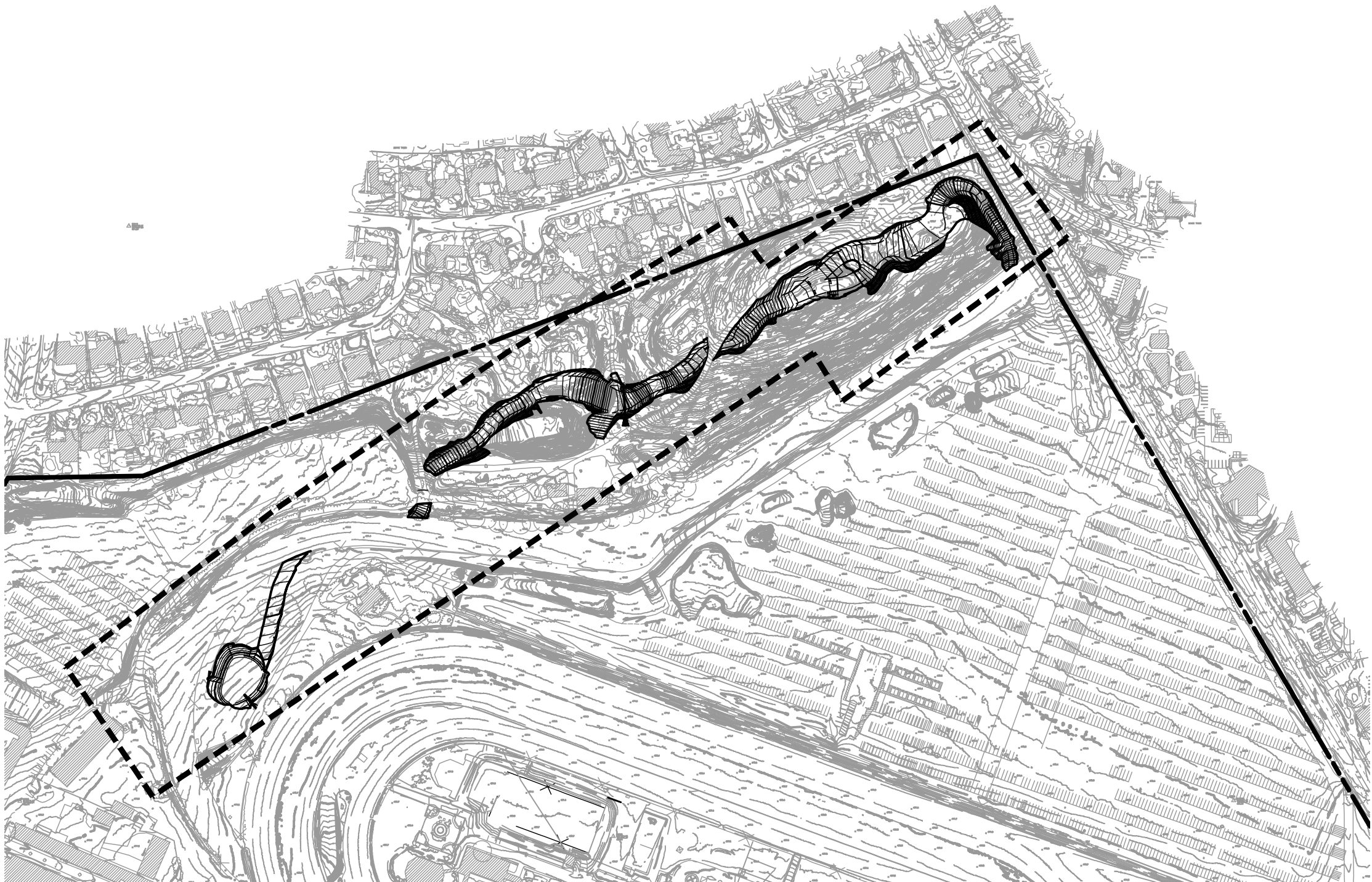
19. IN THE EVENT THAT THE PROJECT EXCAVATES ANY PORTION OF A CITY STREET THAT IS LISTED UNDER THE CITY'S 5 YEAR PAVEMENT REHABILITATION MORATORIUM AT THE TIME OF EXCAVATION, THE OWNER AND/OR DEVELOPER WILL BE RESPONSIBLE FOR REPAVING THE STREET FULL WIDTH FROM PROPERTY LINE TO PROPERTY LINE OR TO THE CITY ENGINEER'S SATISFACTION PRIOR TO FINAL PROJECT ACCEPTANCE.

20. GRADING CONTRACTOR SHALL NOTIFY THE SOILS ENGINEER NOT LESS THAN 72 HR. IN ADVANCE OF THE LOCATION OF ANY SOILS PROPOSED FOR IMPORT. EACH PROPOSED IMPORT SOURCE SHALL BE SAMPLED, TESTED, AND APPROVED PRIOR TO DELIVERY OF SOILS FOR USE ON THE SITE.

21. WE HEREBY CERTIFY THAT WE HAVE REVIEWED THIS PLAN AND THAT IT CONFORMS TO SOILS REPORT NO.1697A, DATED JUNE 2026 AND LETTER OR REVIEW FOR 285 W HUNTINGTON DR, ARCADIA, CALIFORNIA 91007 DATED JUNE 2026 SOILS REPORT NO. 1697A, PREPARED BY: GROUP DELTA CONSULTANTS, INC.

22. THE UNDERSIGNED CIVIL ENGINEER WILL BE RESPONSIBLE FOR PROFESSIONAL INSPECTION IN ACCORDANCE WITH APPENDIX J OF THE 2025 CALIFORNIA BUILDING CODE.
- STATE LIC. NO. C.E.

LA 28 PRECISE GRADING
FOR
SANTA ANITA PARK-HILLSIDE



INDEX MAP

SCALE: 1"=300'

SHEET INDEX

SHT NO.	DESCRIPTION
C-1	TITLE SHEET
C-2	INDEX SHEET
C-3	PRECISE GRADING PLAN
C-4	PRECISE GRADING PLAN
C-5	PRECISE GRADING PLAN
C-6	PRECISE GRADING PLAN
C-7	SECTION SHEET
C-8	DETAIL SHEET
C-9	RETAINING WALL PROFILE
C-10	RETAINING WALL PROFILE
C-11	RETAINING WALL STRUCTURAL SHEETS
C-12	RETAINING WALL STRUCTURAL SHEETS

GRADING NOTES:

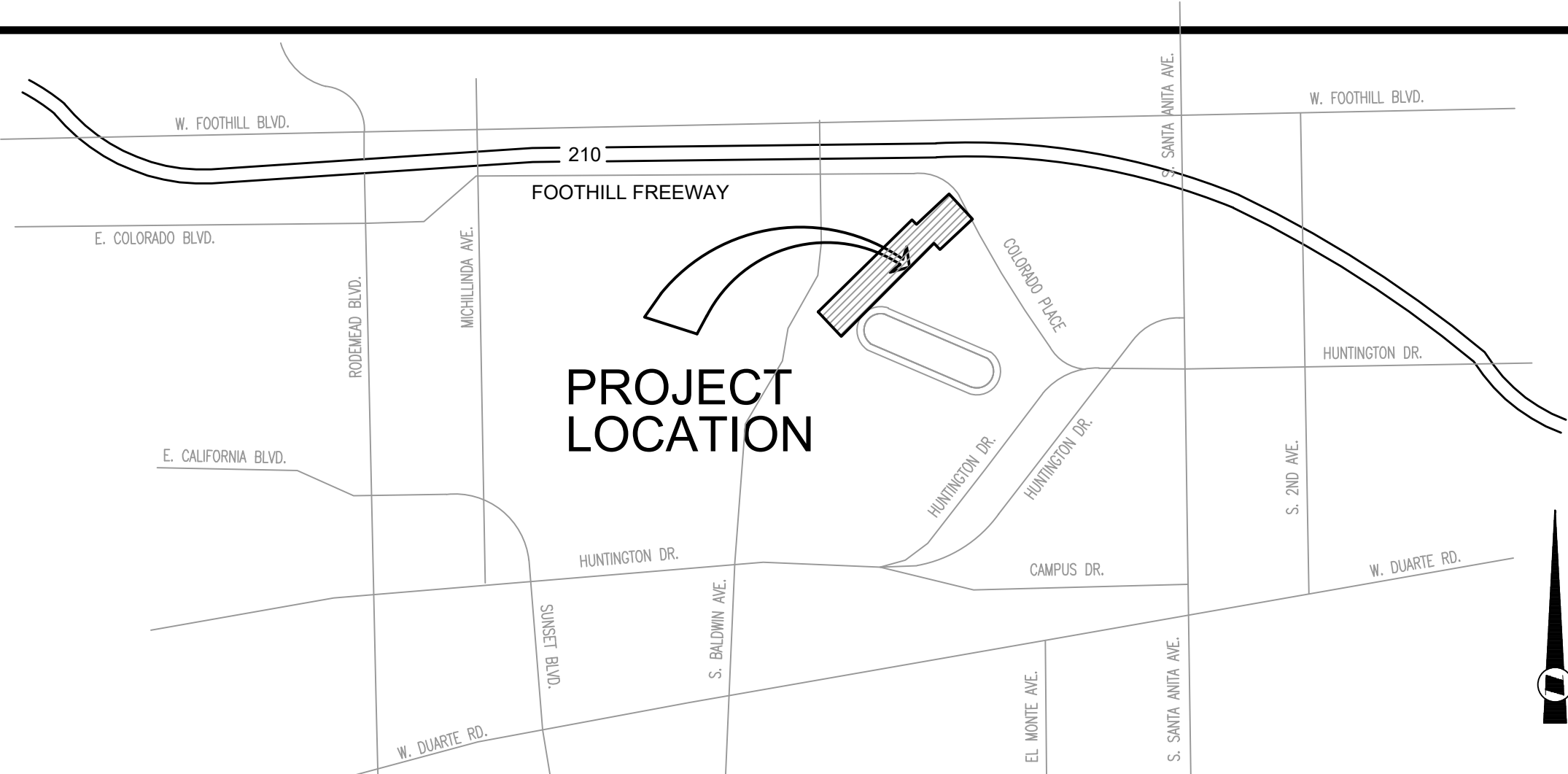
1. ALL GRADING SHALL CONFORM TO ARTICLE VIII, CHAPTER I, PART 1, SECTION 8110 OF THE CITY OF ARCADIA MUNICIPAL CODE.
2. CUT AND FILL.

A. MAXIMUM CUT SLOPE OF BE 2:1.

B. MAXIMUM FILL SLOPE TO BE 2:1.
3. INDICATE LOCATION OF MAXIMUM CUT AND FILL.
4. ALL FILL AND FILL SLOPE TO BE COMPACTED TO NOT LESS THAN NINETY (90%) OF MAXIMUM DENSITY.
5. NO GRADING SHALL COMMENCE UNTIL GRADING PERMIT HAS BEEN ISSUED BY THE CHIEF OF BUILDING OFFICIAL.
6. ESTIMATED PERIOD FOR COMPLETION OF GRADING:

GRADING WILL BEGIN:

TO BE COMPLETED BY:
7. OBTAIN PERMIT FROM CITY OF ARCADIA CITY ENGINEER FOR ALL WORK
8. REMOVE AND REPLACE DEFICIENT OR DAMAGED CURB AND GUTTER SIDEWALK AND/OR PAVEMENT TO THE SATISFACTION OF THE CITY INSPECTOR.
9. CONTACT PUBLIC WORKS INSPECTOR AT (626) 254-2725, AT LEAST 24 HOURS PRIOR TO CONSTRUCTION OF OFF-SITE IMPROVEMENTS. ALL OFF-SITE IMPROVEMENTS SHALL BE COMPLETED TO THE SATISFACTION OF THE PUBLIC WORKS SERVICES DIRECTOR PRIOR TO FINAL INSPECTION BY THE BUILDING AND SAFETY DIVISION AND PRIOR TO ACCEPTANCE
10. CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF FEDERAL, STATE, AND LOCAL LAWS AND REGULATIONS PERTAINING TO THE CLEAN AIR AND CLEAN WATER ACT.
11. SOILS ENGINEER WILL INSPECT THE EXCAVATION AT THE BOTTOM OF OVER-EXCAVATION TO DETERMINE THAT THE SOILS IS ADEQUATE PRIOR TO RECOMPACTION.



VICINITY MAP

NOT TO SCALE

LEGEND:

- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- DAYLIGHT LINE
- TOP/TOE
- GRADE BREAK
- FLOWLINE
- RETAINING WALL
- RIDGE LINE
- SAWCUT LINE
- EXISTING STORM DRAIN
- EXISTING WATER MAIN
- EXISTING FIRE WATER MAIN
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EXISTING OVERHEAD ELECTRICAL LINE
- EXISTING FENCE LINE
- EXISTING RAIL LINE
- EXISTING POWER POLE
- EXISTING STORM DRAIN GRATE
- EXISTING CATCH BASIN
- EXISTING STORM DRAIN MANHOLE
- EXISTING SEWER MANHOLE

CONSTRUCTION NOTES:

1. INSTALL 4" SDR-35 PERFORATED PVC PIPE (OR APPROVED EQUAL).
2. INSTALL 6" SDR-35 PVC PIPE (OR APPROVED EQUAL). BEDDING PER DETAIL A ON SHEET C-08
3. INSTALL VALTERRA 6" PVC KNIFE GATE VALVE (OR APPROVED EQUAL).
4. INSTALL QUAZITE 30" X 48" POLYMER CONCRETE STACKABLE VAULT BOX (OR APPROVED EQUAL)
5. INSTALL ADS HDPE FLARED END SECTION - 18" (OR APPROVED EQUAL) PER DETAIL 5 ON C-08
6. INSTALL 18" HDPE (OR APPROVED EQUAL) STORM DRAIN PIPE AND BEDDING PER DETAIL A ON SHEET C-08
7. INSTALL 24"x24" JENSEN DRAINAGE INLET (OR APPROVED EQUAL) PER DETAIL 7 ON C-08
8. INSTALL RIP-RAP PAD PER DETAIL 8 ON SHEET C-08
9. CONSTRUCT EARTH SWALE PER DETAIL 9 ON SHEET C-08
10. CONSTRUCT 4" GUNITE DISCHARGE PAD PER DETAIL 10 ON SHEET C-08
11. CONSTRUCT CONCRETE V-DITCH PER DETAIL 11 ON SHEET C-08

DECLARATION OF ENGINEER OF RECORD:

I HEREBY DECLARE THAT THE DESIGN OF THE IMPROVEMENTS SHOWN ON THESE PLANS COMPLIES WITH ALL PROFESSIONAL ENGINEERING STANDARDS AND PRACTICES. AS THE ENGINEER OF RECORD FOR THE PLANS, I ASSUME FULL RESPONSIBILITY FOR THE DESIGN OF THE IMPROVEMENTS. WITH RESPECT TO THE PLAN CHECK PERFORMED BY THE CITY OF ARCADIA, I UNDERSTAND AND ACKNOWLEDGE THE FOLLOWING: (1) THE PLAN CHECK IS A REVIEW FOR THE LIMITED PURPOSE OF ENSURING THE PLANS COMPLY WITH THE CITY'S STANDARDS, PROCEDURES, POLICIES, AND ORDINANCES, (2) THE PLAN CHECK IS NOT A DETERMINATION OF THE TECHNICAL ADEQUACY OF THE DESIGN OF THE IMPROVEMENTS, AND (3) THE PLAN CHECK DOES NOT RELIEVE ME OF MY LEGAL AND PROFESSIONAL RESPONSIBILITY FOR THE DESIGN OF THE IMPROVEMENTS. AS THE ENGINEER OF RECORD, I AGREE TO DEFEND, INDEMNIFY, AND HOLD HARMLESS THE CITY, ITS ELECTED OFFICIALS, EMPLOYEES, AND AGENTS FROM ANY AND ALL ACTUAL OF ALLEGED CLAIMS, DEMANDS, CAUSES OF ACTION, LIABILITY LOSS, DAMAGE, OR INJURY TO PROPERTY OR PERSONS, INCLUDING WRONGFUL DEATH, WHETHER IMPOSED BY A COURT OF LAW OR BY ADMINISTRATIVE ACTION OF ANY FEDERAL, STATE OR LOCAL GOVERNMENTAL AGENCY, ARISING OUT OF OR INCIDENT TO ANY NEGLIGENT ACTS, OMISSIONS, OR ERRORS BY THE ENGINEER OF RECORD, ITS EMPLOYEES, CONSULTANTS, OR AGENTS.

SIGNATURE OF ENGINEER OF RECORD

JASON H. FUKUMITSU

PRINT NAME

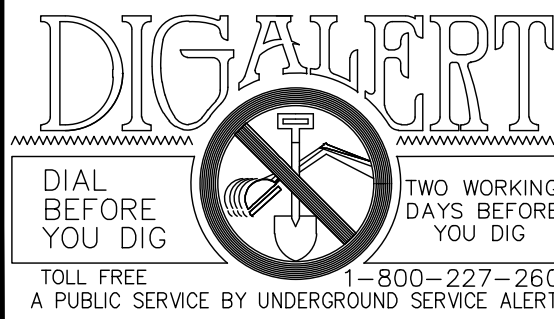
40695

LICENSE NO.

NOTES:

BASE SITE INFORMATION AND DIMENSIONS HAVE BEEN TAKEN FROM TOPO SURVEY, DATED NOV 28, 2023, PREPARED BY FUSCOE ENGINEERING, 6390 GREENWICH DRIVE, SUITE 170 SAN DIEGO, CA 92122. (858) 554 1500

C:\SANTA ANITA PARK\LA28\GRADING\PRECISE\MSA052-01_TITLE.DWG (07-07-26 10:12:52AM) Plotted by: ricardoy



HSA

HUNSAKER & ASSOCIATES

LOS ANGELES, INC.

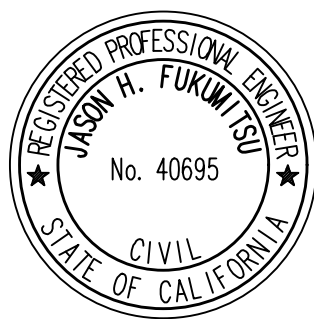
PLANNING • ENGINEERING • SURVEYING

26074 Avenue Hall, Suite #23 • Valencia, CA 91355

FX (661) 294-9890 • PH: (661) 294-2211

JASON H. FUKUMITSU

DATE

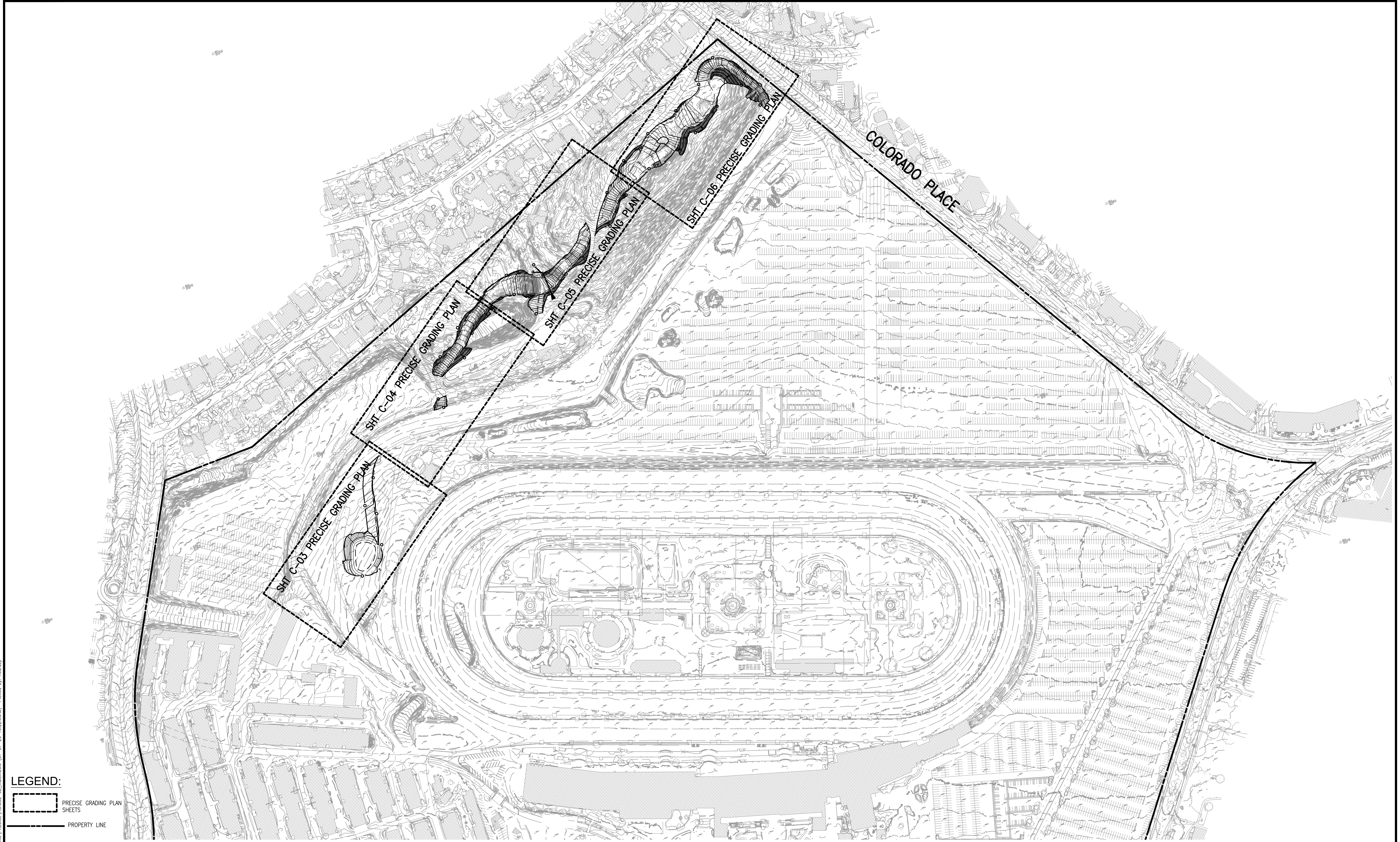


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				APPROVAL RECOMMENDED BY:			
				ASSOCIATE CIVIL ENGINEER RCE DATE			
				APPROVED BY:			
				CITY ENGINEER RCE DATE			

CITY OF ARCADIA
DEVELOPMENT SERVICES DEPARTMENT

SANTA ANITA PARK
LA 28
PRECISE GRADING-HILLSIDE
TITLE SHEET

SHEET C-01
DRAWING NO.
HSA052-01



LEGEND:

--- PRECISE GRADING PLAN SHEETS

--- PROPERTY LINE

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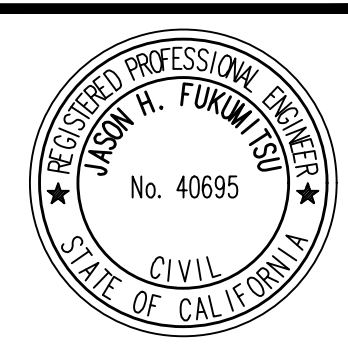
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CITY OF ARCADIA

DEVELOPMENT SERVICES DEPARTMENT

SANTA ANITA PARK

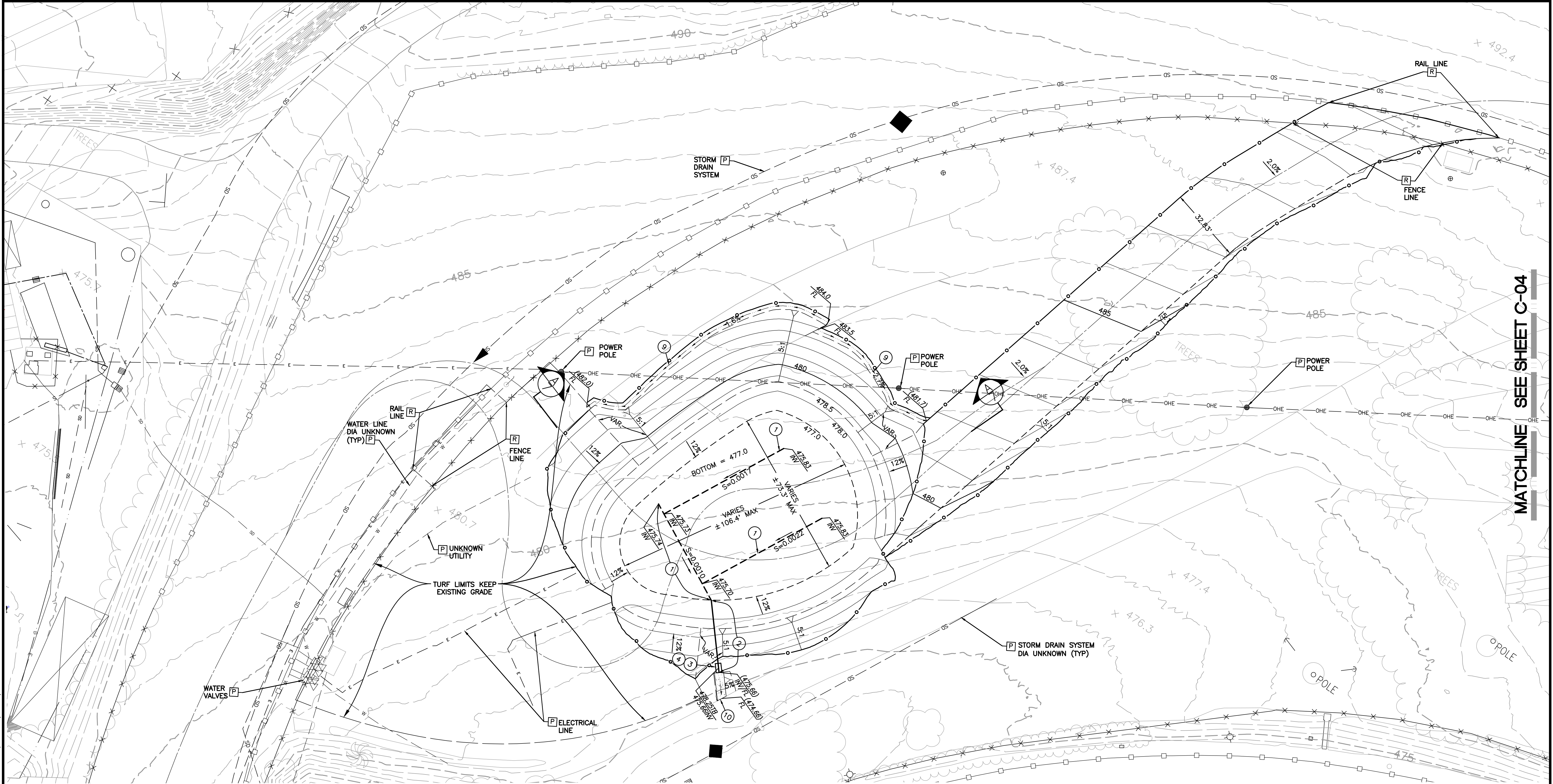
LA 28

PRECISE GRADING-HILLSIDE

INDEX SHEET

SHEET C-02

DRAWING NO. HSA052-02



LEGEND:

- | | | | |
|-------|------------------------|---------------|-----------------------------------|
| — | PROPOSED MAJOR CONTOUR | — FS — | EXISTING FIRE WATER MAIN |
| - - - | PROPOSED MINOR CONTOUR | — OHE — OHE — | EXISTING MAJOR CONTOUR |
| — • — | DAYLIGHT LINE | — X — X — | EXISTING MINOR CONTOUR |
| - - - | TOP/TOE | — □ — □ — | EXISTING OVERHEAD ELECTRICAL LINE |
| - - - | GRADE BREAK | — ● — ● — | EXISTING FENCE LINE |
| - - - | FLOWLINE | — ■ — ■ — | EXISTING RAIL LINE |
| - - - | SAWCUT LINE | — ■ — ■ — | EXISTING POWER POLE |
| - - - | EXISTING STORM DRAIN | — ■ — ■ — | EXISTING STORM DRAIN GRATE |
| - - - | EXISTING WATER MAIN | — ■ — ■ — | EXISTING CATCH BASIN |

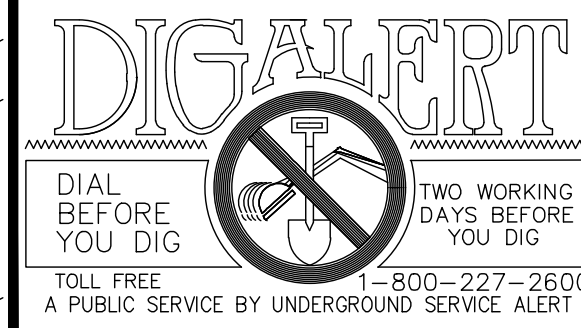
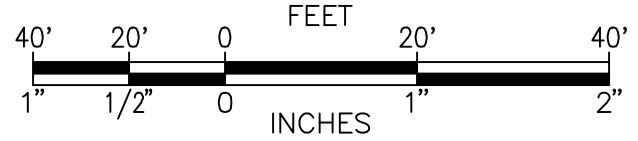
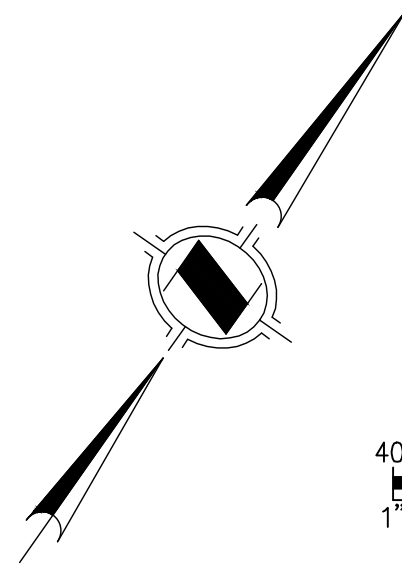
- ⊙ EXISTING STORM DRAIN MANHOLE
○ EXISTING SEWER MANHOLE

DISPOSITION NOTES

- [P] PROTECT IN PLACE
[R] REMOVE
[D] DEMO

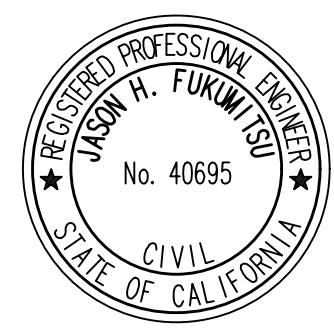
CONSTRUCTION NOTES:

- INSTALL 4" SDR-35 PERFORATED PVC PIPE (OR APPROVED EQUAL).
- INSTALL 6" SDR-35 PVC PIPE (OR APPROVED EQUAL). BEDDING PER DETAIL A ON SHEET C-08
- INSTALL VALTERRA 6" PVC KNIFE GATE VALVE (OR APPROVED EQUAL).
- INSTALL QUAZITE 30" X 48" POLYMER CONCRETE STACKABLE VAULT BOX (OR APPROVED EQUAL).
- CONSTRUCT EARTH SWALE PER DETAIL 9 ON SHEET C-08
- CONSTRUCT 4" GUNITE DISCHARGE PAD PER DETAIL 10 ON SHEET C-08



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JASON H. FUKUMITSU DATE



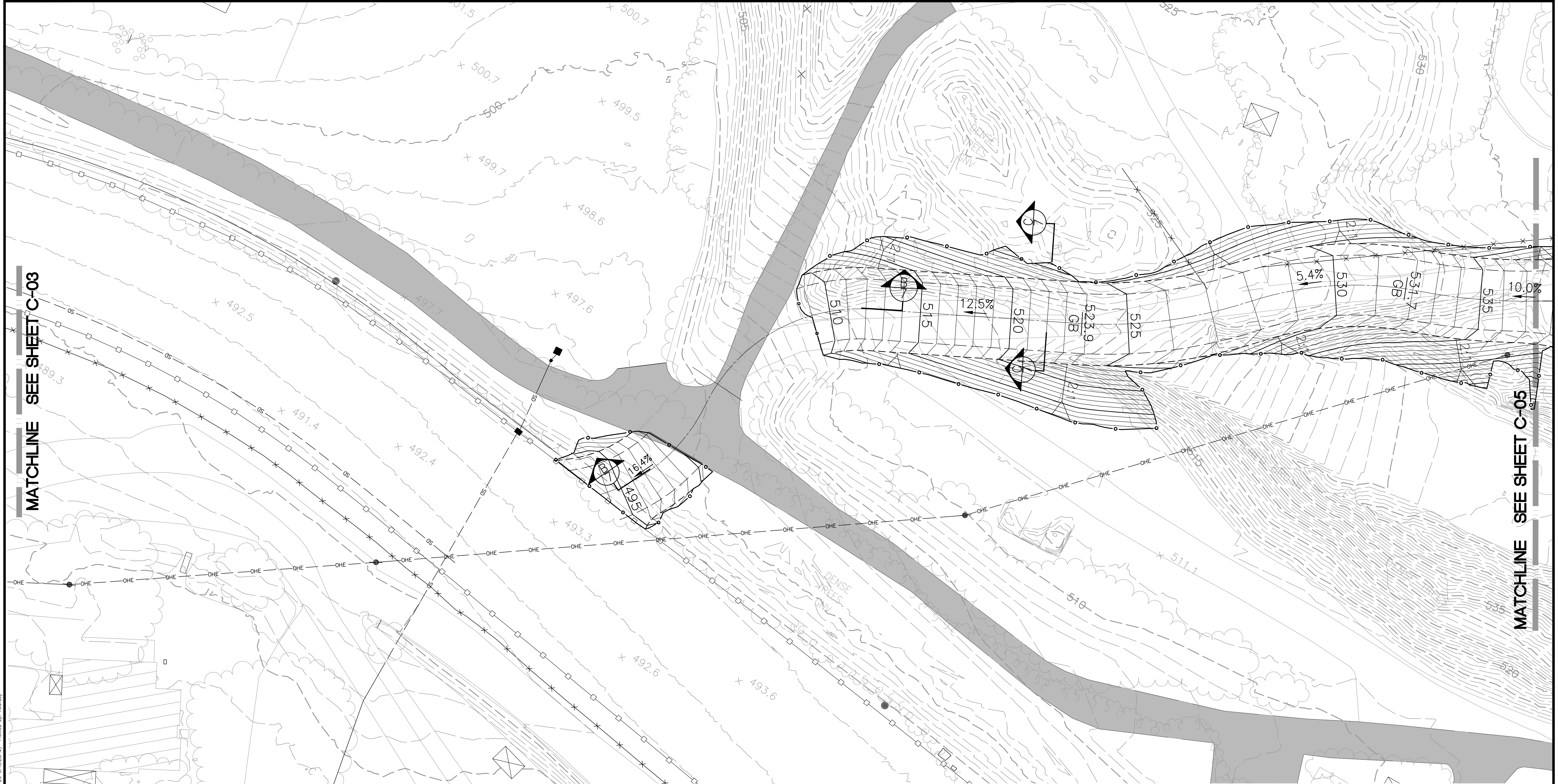
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			ASSOCIATE CIVIL ENGINEER RCE DATE			
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			CITY ENGINEER RCE DATE			

CITY OF ARCADIA
DEVELOPMENT SERVICES DEPARTMENT

SANTA ANITA PARK
LA 28
PRECISE GRADING PLAN
HILLSIDE

SHEET C-03

DRAWING NO.
HSA052-03

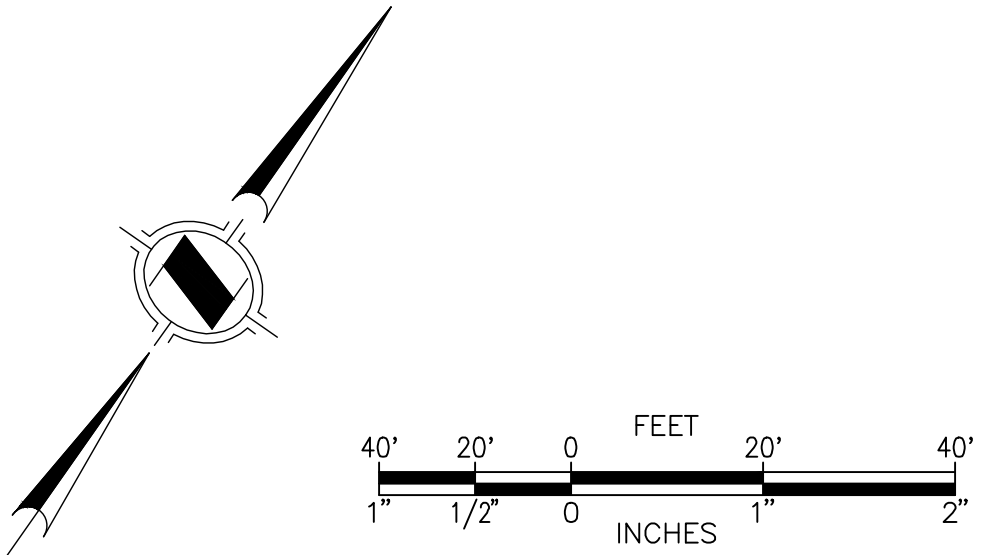


MATCHLINE SEE SHEET C-03

MATCHLINE SEE SHEET C-05

LEGEND:

- | | | | | | | |
|--|------------------------|--|-----|-----------------------------------|--|----------------------|
| | PROPOSED MAJOR CONTOUR | | SD | EXISTING STORM DRAIN | | EXISTING CATCH BASIN |
| | PROPOSED MINOR CONTOUR | | W | EXISTING WATER MAIN | | EXISTING POWER POLE |
| | DAYLIGHT LINE | | FS | EXISTING FIRE WATER MAIN | | PAVED ROAD |
| | TOP/TOE | | | EXISTING MAJOR CONTOUR | | |
| | GRADE BREAK | | | EXISTING MINOR CONTOUR | | |
| | FLOWLINE | | OHE | EXISTING OVERHEAD ELECTRICAL LINE | | |
| | SITE BOUNDARY | | x | EXISTING FENCE LINE | | |



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				APPROVED BY: CITY ENGINEER RCE DATE			

CITY OF ARCADIA
DEVELOPMENT SERVICES DEPARTMENT

SANTA ANITA PARK
LA 28
PRECISE GRADING PLAN
HILLSIDE

SHEET C-04
DRAWING NO. HSA052-04



MATCHLINE SEE SHEET C-04

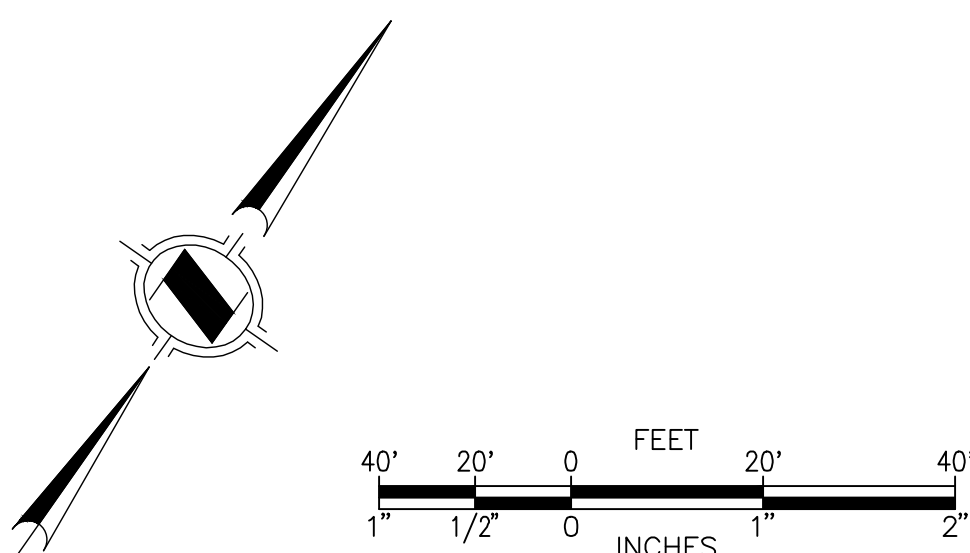
MATCHLINE SEE SHEET C-06

LEGEND:

- | | | | | | |
|--|------------------------|--|-----|--|--------------------------|
| | PROPOSED MAJOR CONTOUR | | SD | | EXISTING STORM DRAIN |
| | PROPOSED MINOR CONTOUR | | W | | EXISTING WATER MAIN |
| | DAYLIGHT LINE | | FS | | EXISTING FIRE WATER MAIN |
| | TOP/TOE | | | | EXISTING MINOR CONTOUR |
| | GRADE BREAK | | OHE | | EXISTING FENCE LINE |
| | FLOWLINE | | | | EXISTING POWER POLE |
| | RETAINING WALL | | | | PAVED ROAD |
| | SITE BOUNDARY | | | | |

CONSTRUCTION NOTES:

- ⑤ — INSTALL ADS HDPE FLARED END SECTION — 18" (OR APPROVED EQUAL) PER DETAIL 5 ON C-08
- ⑥ — INSTALL 18" HDPE (OR APPROVED EQUAL) STORM DRAIN PIPE AND BEDDING PER DETAIL A ON SHEET C-08
- ⑦ — INSTALL 24"x24" JENSEN DRAINAGE INLET (OR APPROVED EQUAL) PER DETAIL 7 ON C-08
- ⑧ — INSTALL RIP-RAP PAD PER DETAIL 8 ON SHEET C-08
- ⑪ — CONSTRUCT CONCRETE V-DITCH PER DETAIL 11 ON SHEET C-08



 DIAL BEFORE YOU DIG TWO WORKING DAYS BEFORE YOU DIG TOLL FREE 1-800-227-2600 A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT	 HUNSAKER & ASSOCIATES LOS ANGELES, INC. PLANNING • ENGINEERING • SURVEYING 26074 Avenue Hall, Suite #23 • Valencia, CA 91355 PH: (661) 294-9890		DRAWN BY	CHKD BY	APPROVED	DATE: 06/13/2026	JOB NO.: 0319-003-001	DRAWN BY: AS	DESIGNED BY: AS
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			APPROVAL RECOMMENDED BY: ASSOCIATE CIVIL ENGINEER RCE DATE						
APPROVED BY: CITY ENGINEER RCE DATE				CITY OF ARCADIA DEVELOPMENT SERVICES DEPARTMENT		SANTA ANITA PARK LA 28 PRECISE GRADING PLAN HILLSIDE		SHEET C-05 DRAWING NO. HSA052-05	

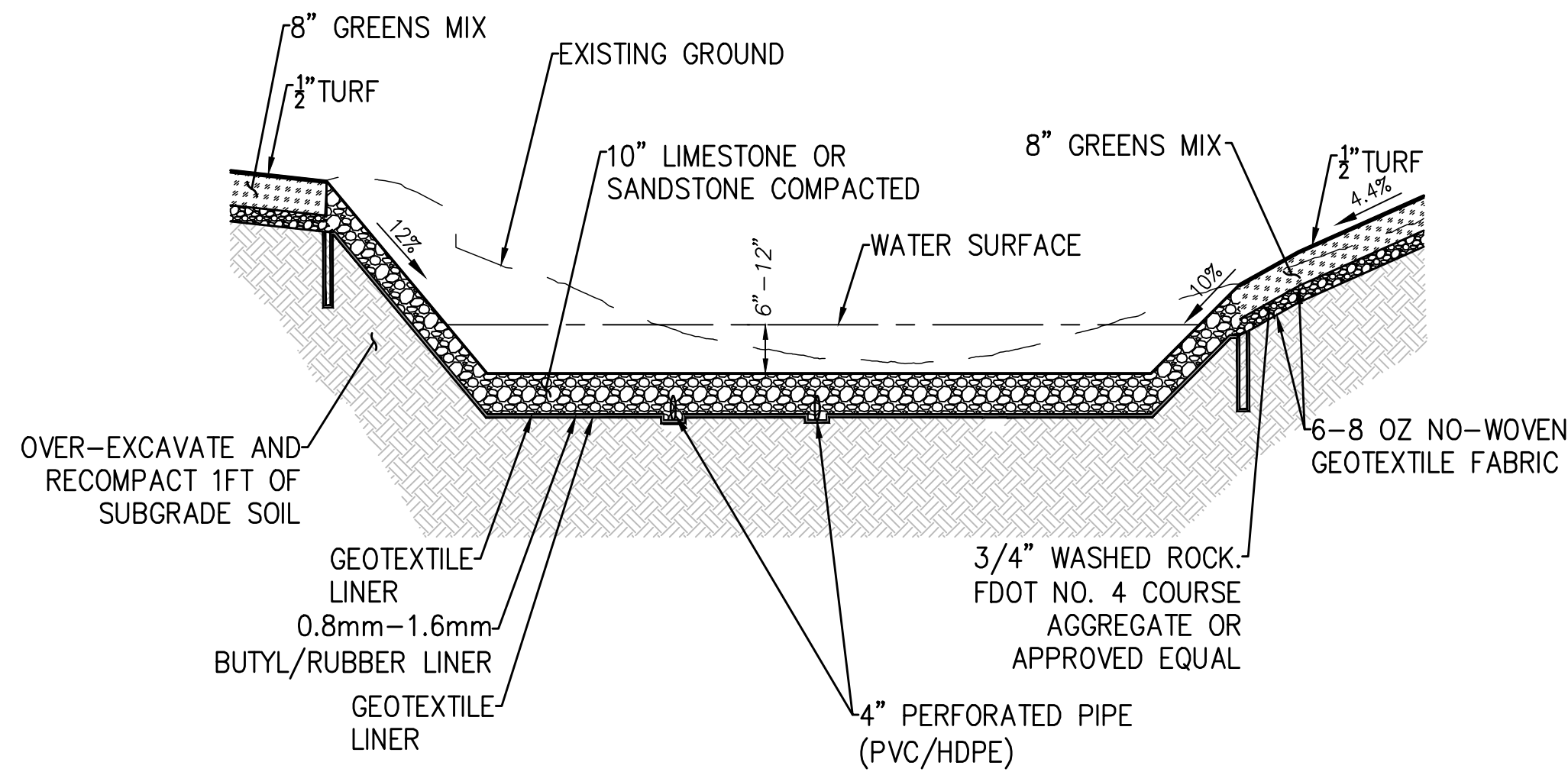
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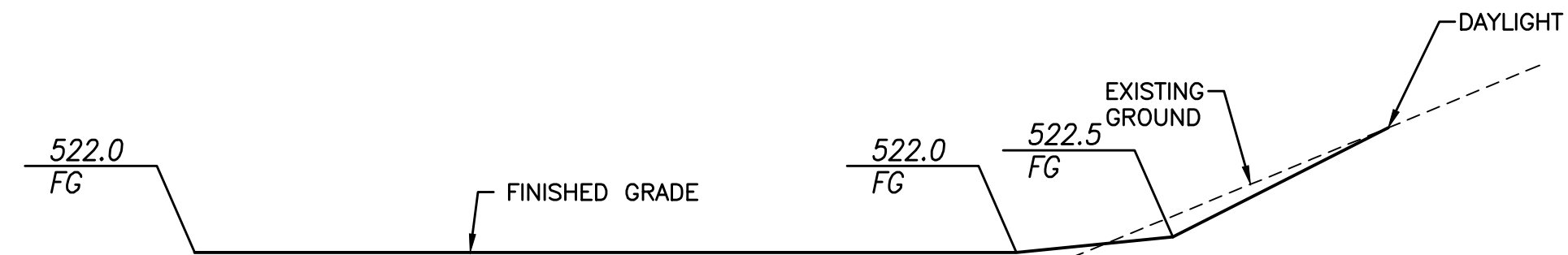
LEGEND:

- | | | |
|------------------------|-----|-----------------------------------|
| PROPOSED MAJOR CONTOUR | SD | EXISTING STORM DRAIN |
| PROPOSED MINOR CONTOUR | W | EXISTING WATER MAIN |
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| RETAINING WALL | X | EXISTING FENCE LINE |
| SITE BOUNDARY | | |
- EXISTING CATCH BASIN
- EXISTING POWER POLE
- PAVED ROAD

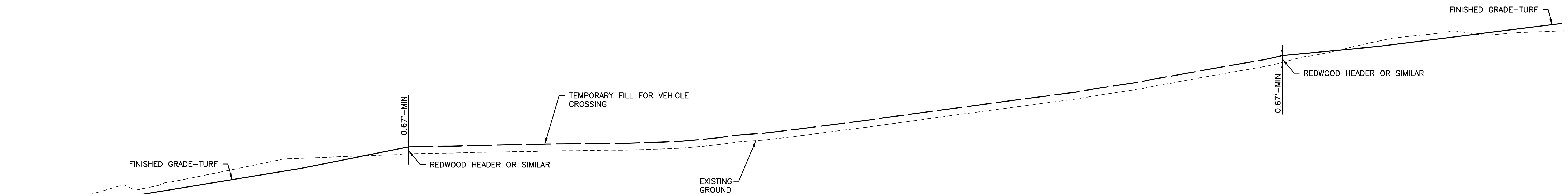
 DIAL BEFORE YOU DIG TOLL FREE 1-800-227-2600 A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT	 HUNSAKER & ASSOCIATES LOS ANGELES, INC. PLANNING • ENGINEERING • SURVEYING 26074 Avenue Hall, Suite #23 • Valencia, CA 91355 PH: (661) 294-9890		DRAWN BY	CHKD BY	APPROVED	DATE: 06/13/2026	JOB NO.: 0319-003-001	DRAWN BY: AS	DESIGNED BY: AS
						SCALE: 1"=20'	PROJ. NO.: 004	CHECKED BY: AS	PROJ. ENGR.: JF
						APPROVAL RECOMMENDED BY:			
						APPROVED BY:			
						ASSOCIATE CIVIL ENGINEER		RCE	DATE
						CITY ENGINEER		RCE	DATE
CITY OF ARCADIA DEVELOPMENT SERVICES DEPARTMENT									
SANTA ANITA PARK LA 28 PRECISE GRADING PLAN HILLSIDE									
SHEET C-06									
DRAWING NO. HSA052-06									



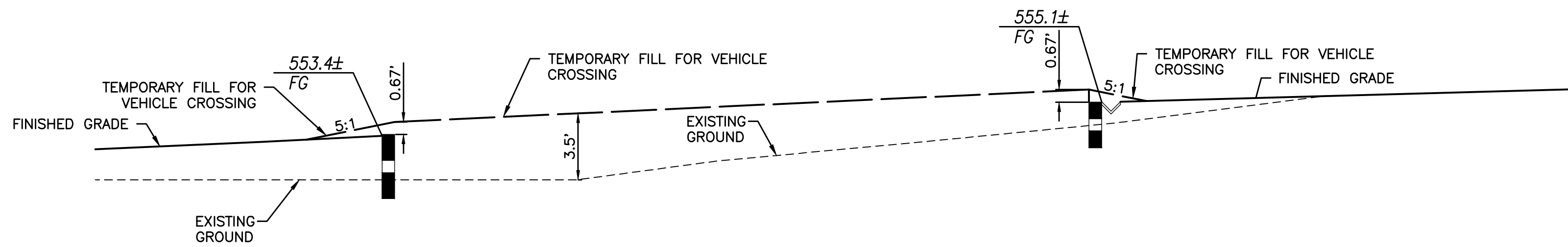
SECTION A-A
H:1"=30'. V:1"=3'



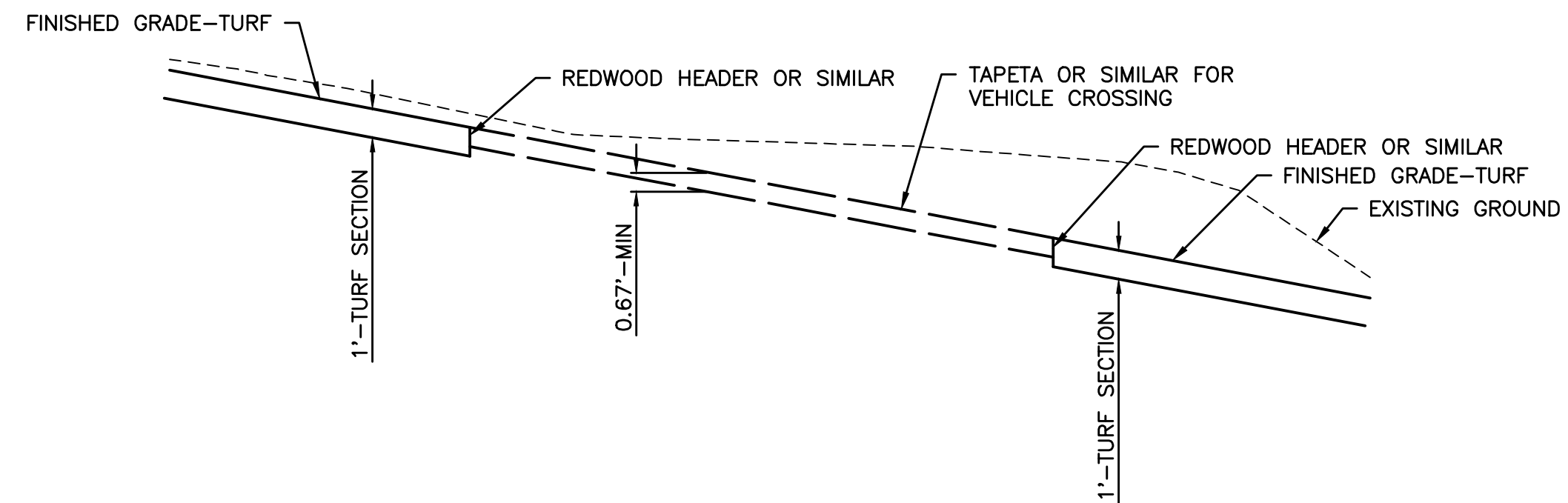
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NTS



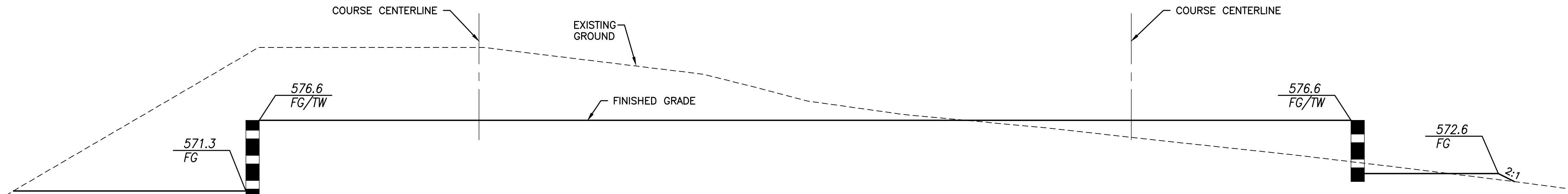
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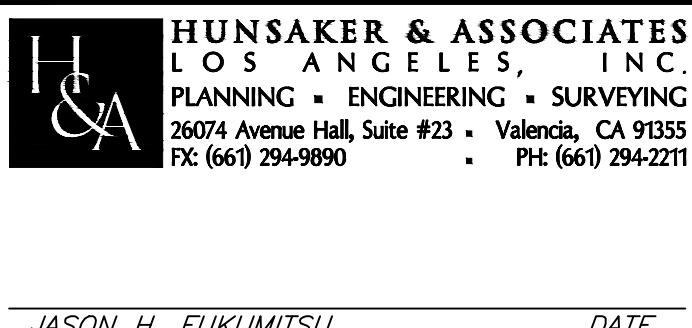
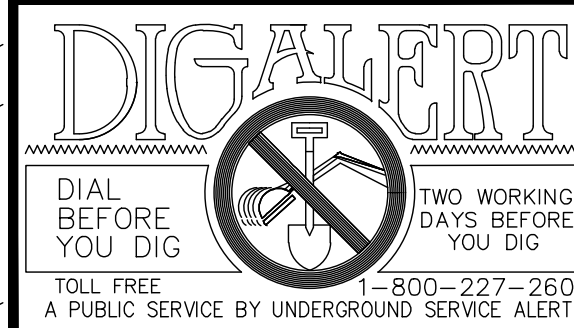
SECTION D-D
NTS



SECTION F-F
NTS



SECTION E-E
NTS



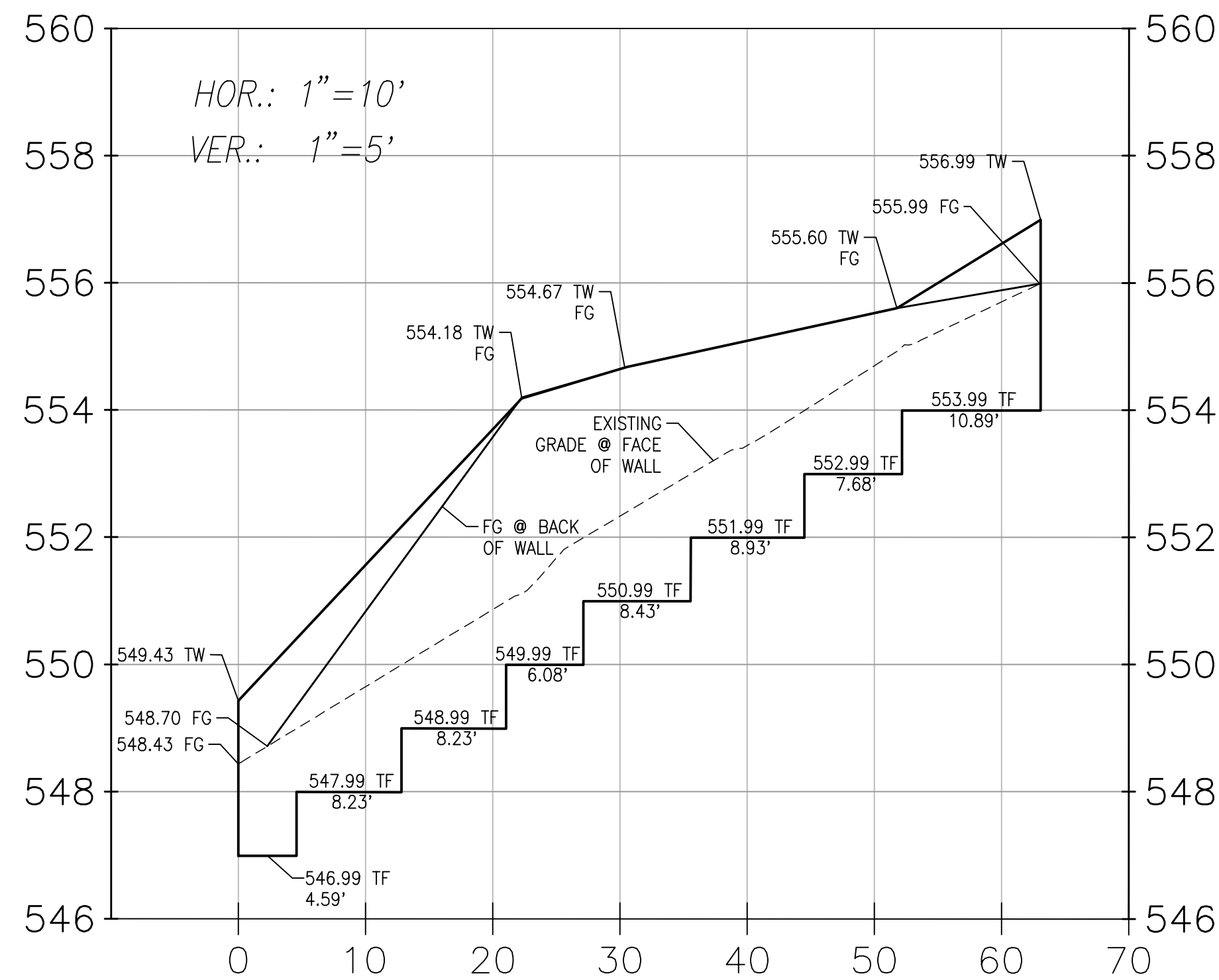
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				SCALE: AS SHOWN	PROJ. NO.: 004	CHECKED BY: AS	PROJ. ENGR.: JF
				APPROVAL RECOMMENDED BY:			
				ASSOCIATE CIVIL ENGINEER RCE DATE			
				APPROVED BY:			
				CITY ENGINEER RCE DATE			

CITY OF ARCADIA
DEVELOPMENT SERVICES DEPARTMENT

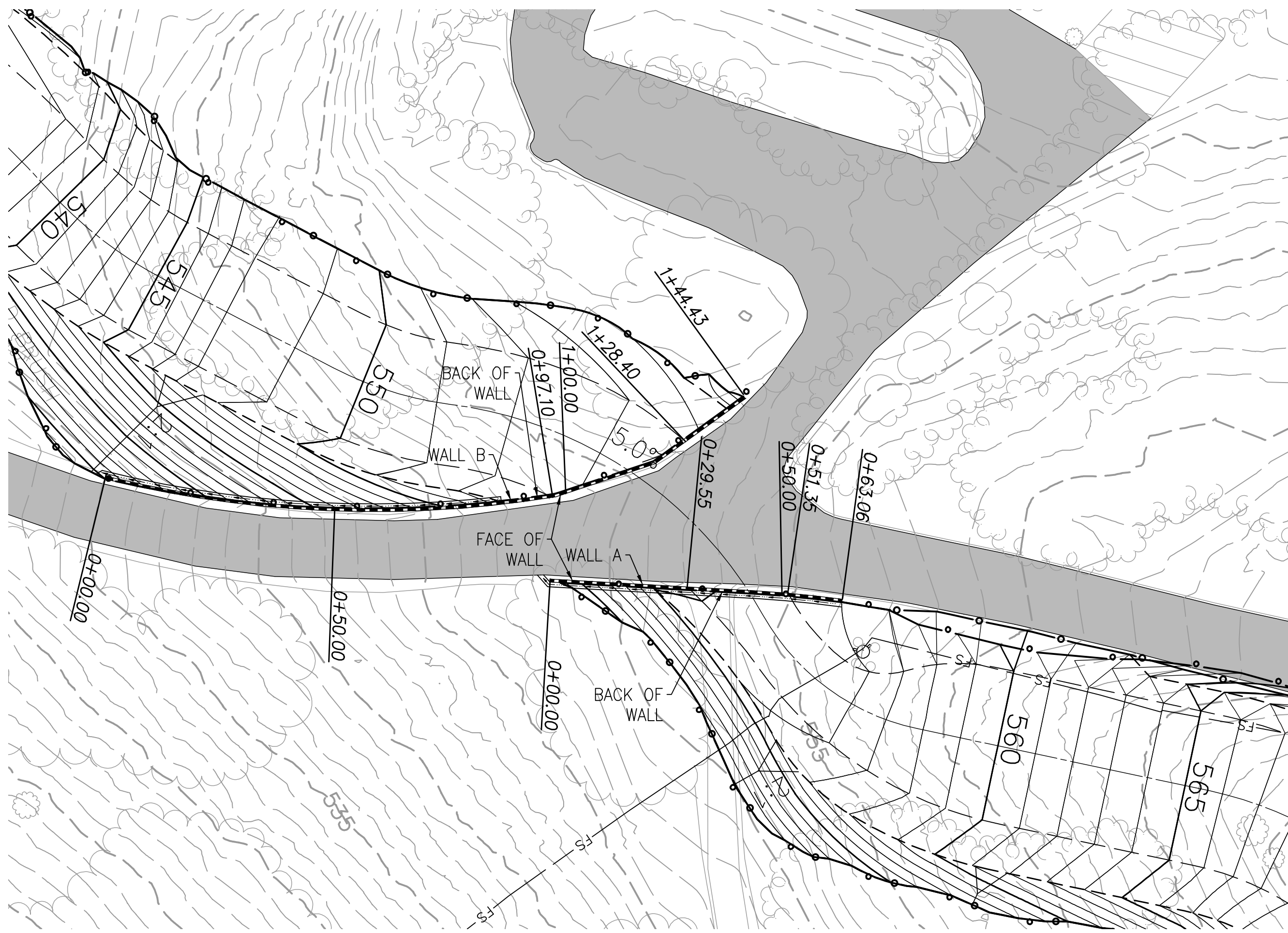
SANTA ANITA PARK
LA 28
PRECISE GRADING-HILLSIDE
SECTION SHEET

SHEET C-07
DRAWING NO.
HSA052-07

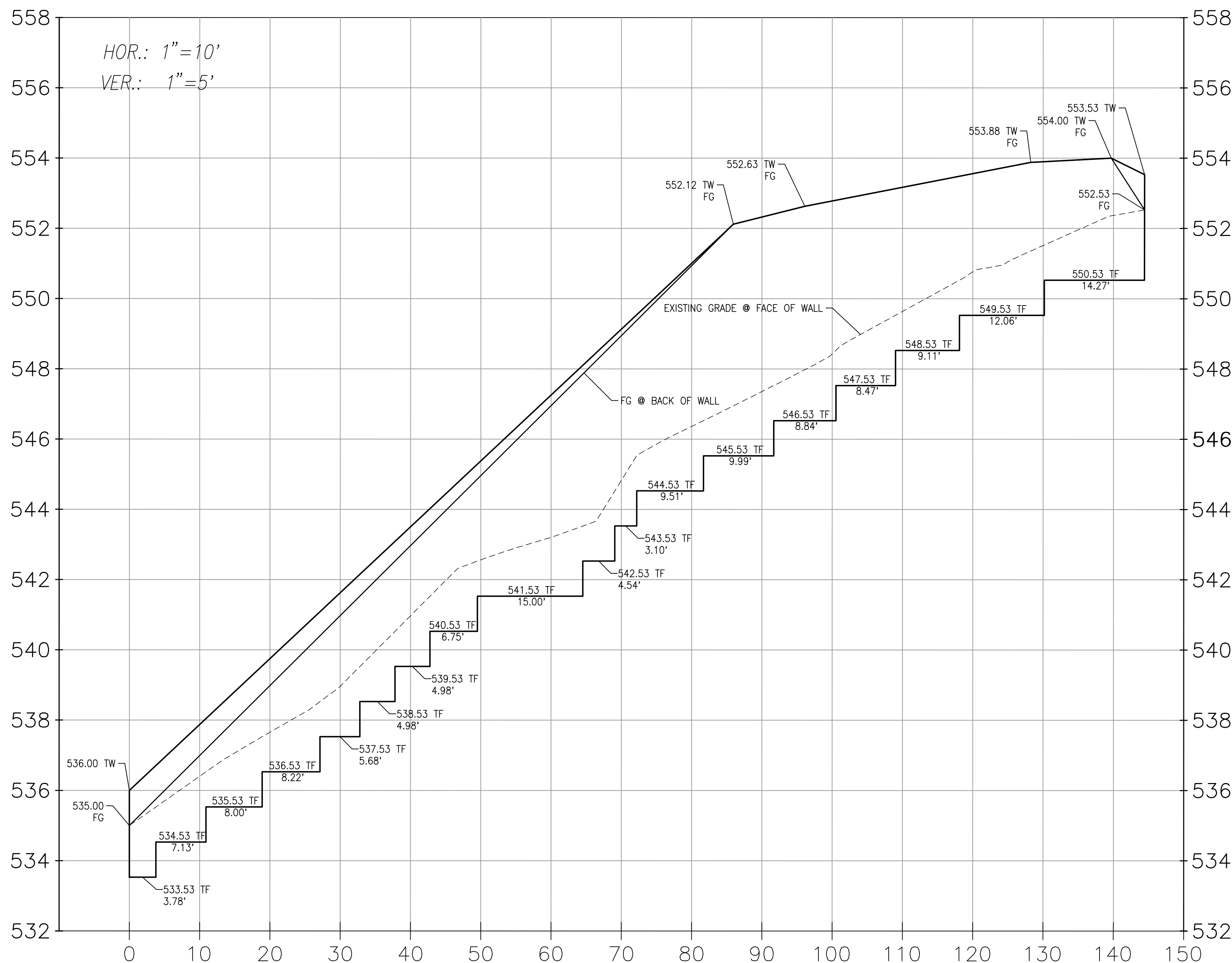




RETAINING WALL A PROFILE



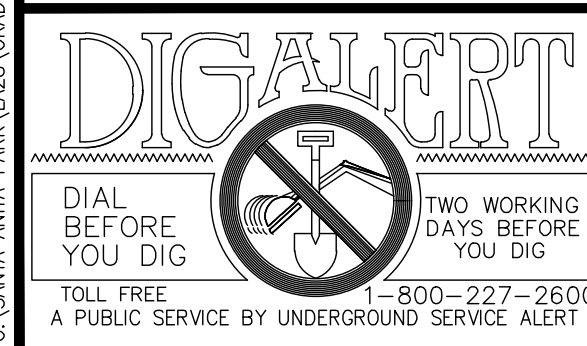
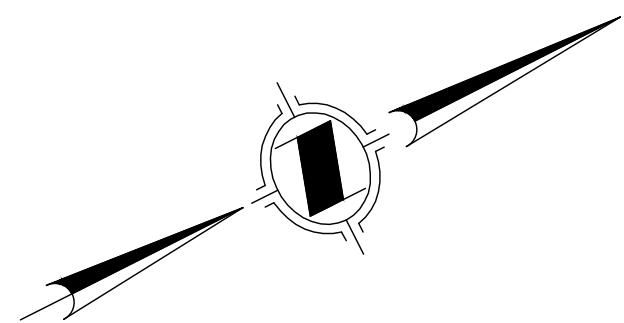
RETAINING WALL A AND B PLAN



RETAINING WALL B PROFILE

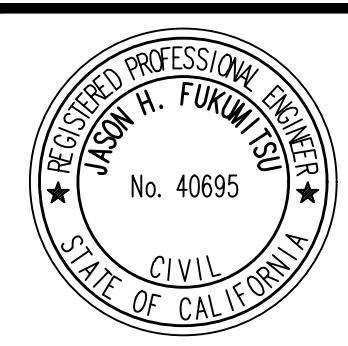
LEGEND:

- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- DAYLIGHT LINE
- TOP/TOE
- GRADE BREAK
- FLOWLINE
- EXISTING STORM DRAIN
- EXISTING WATER MAIN
- EXISTING FIRE WATER MAIN
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- RETAINING WALL



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JASON H. FUKUMITSU DATE

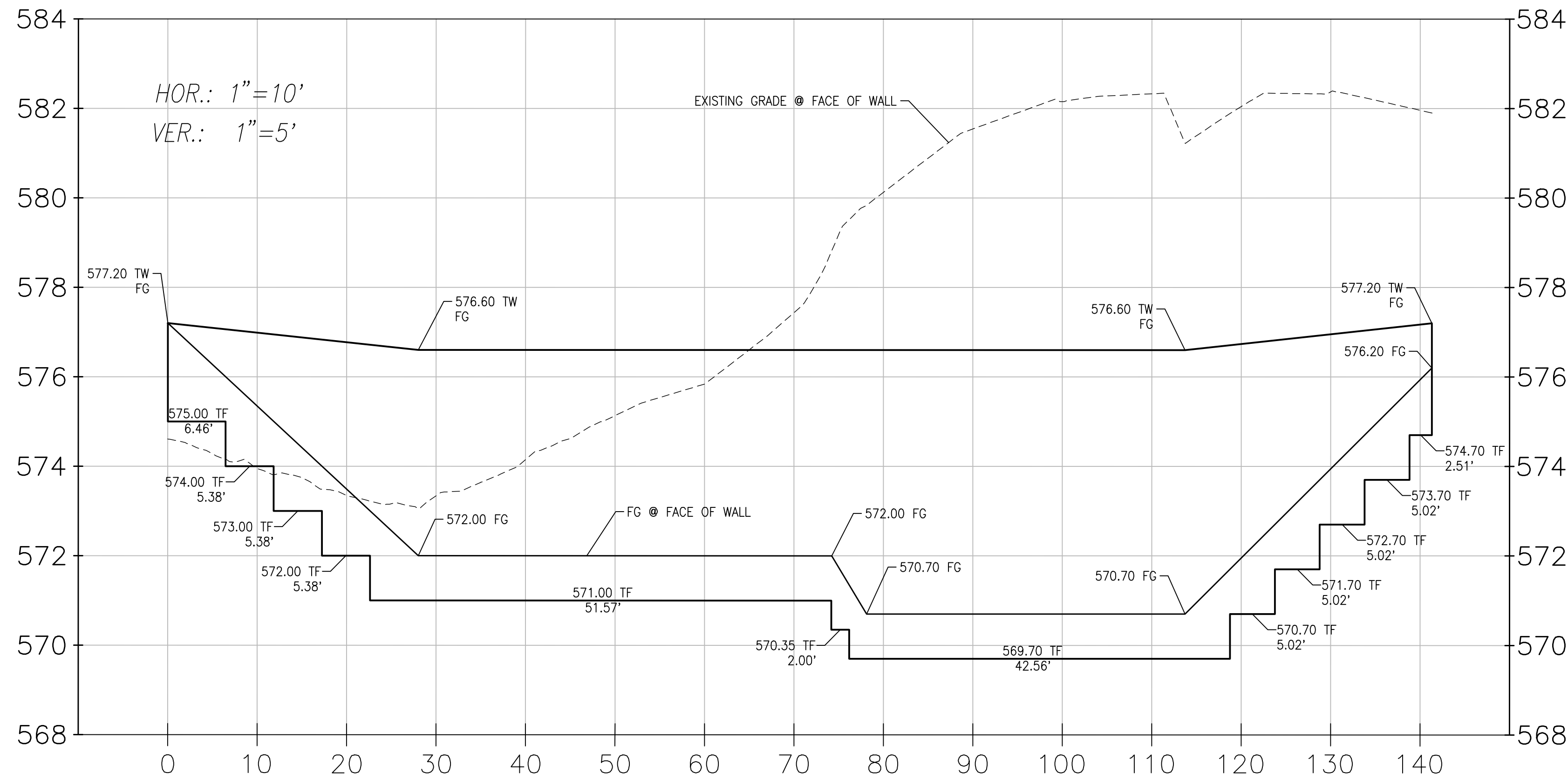


DRAWN BY:	CHKD BY:	APPROVED:	DATE: 06/13/2026	JOB NO.: 0319-003-001	DRAWN BY: AS	DESIGNED BY: AS
			SCALE: 1"=20'	PROJ. NO.: 004	CHECKED BY: AS	PROJ. ENGR.: JF
APPROVAL RECOMMENDED BY:						
ASSOCIATE CIVIL ENGINEER RCE DATE:						
APPROVED BY:						
CITY ENGINEER RCE DATE:						

CITY OF ARCADIA
DEVELOPMENT SERVICES DEPARTMENT

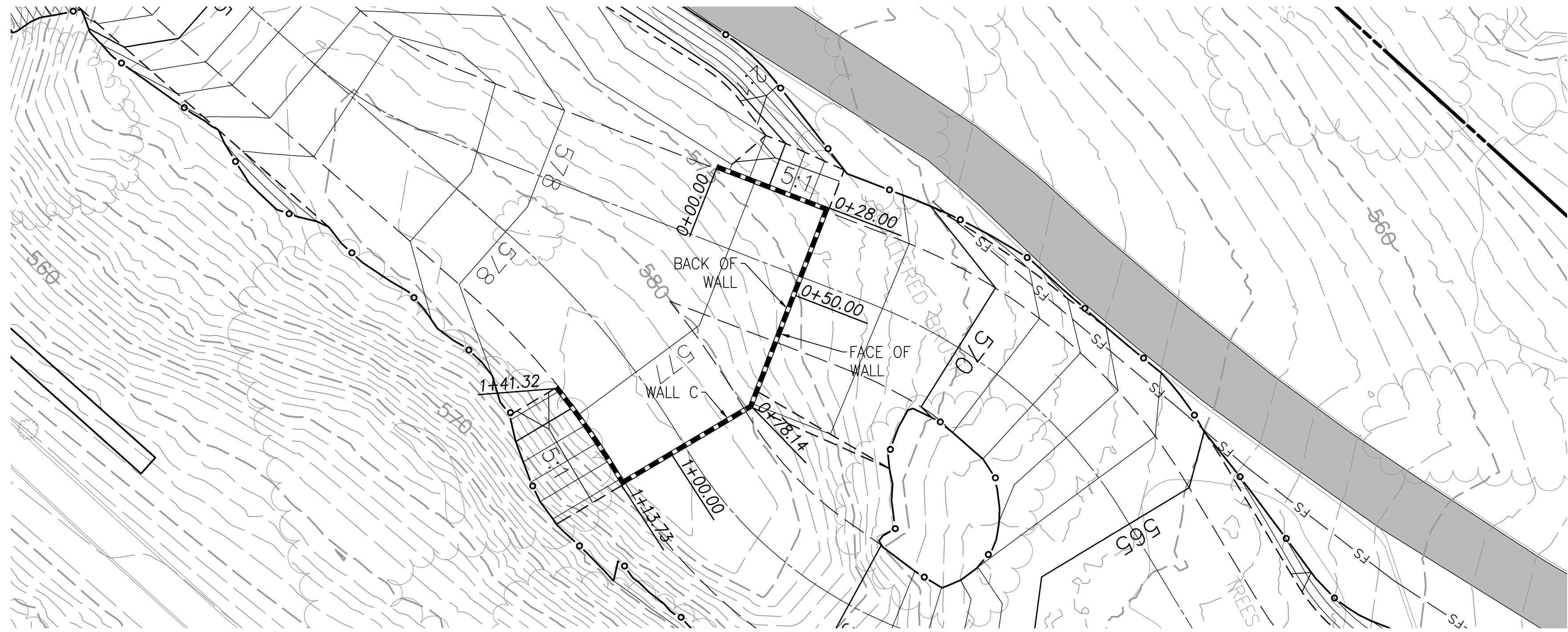
SANTA ANITA PARK
LA 28
RETAINING WALL PROFILE

SHEET C-09
DRAWING NO.
HSA052-09

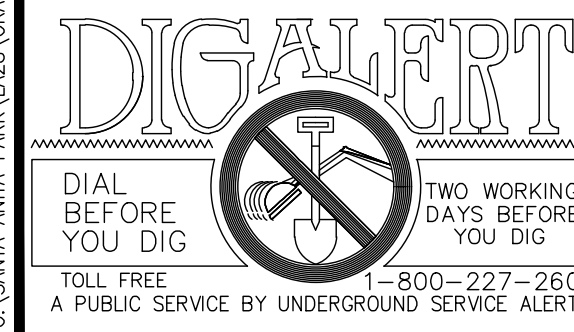
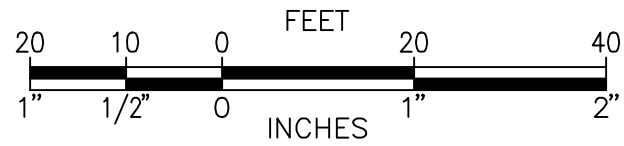
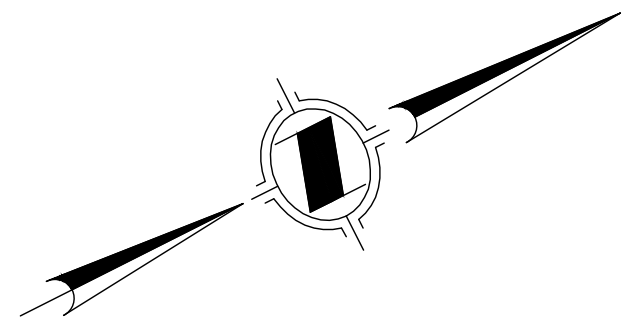


- LEGEND:**
- PROPOSED MAJOR CONTOUR
 - PROPOSED MINOR CONTOUR
 - DAYLIGHT LINE
 - TOP/TOE
 - GRADE BREAK
 - FS
 - EXISTING FIRE WATER MAIN
 - EXISTING MAJOR CONTOUR
 - EXISTING MINOR CONTOUR
 - RETAINING WALL
 - SITE BOUNDARY
 - PAVED ROAD

RETAINING WALL C PROFILE

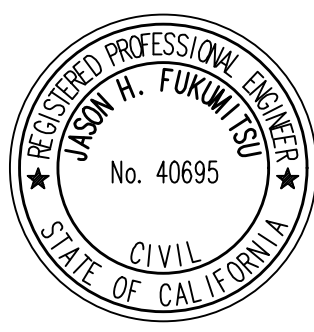


RETAINING WALL C PLAN



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JASON H. FUKUMITSU DATE

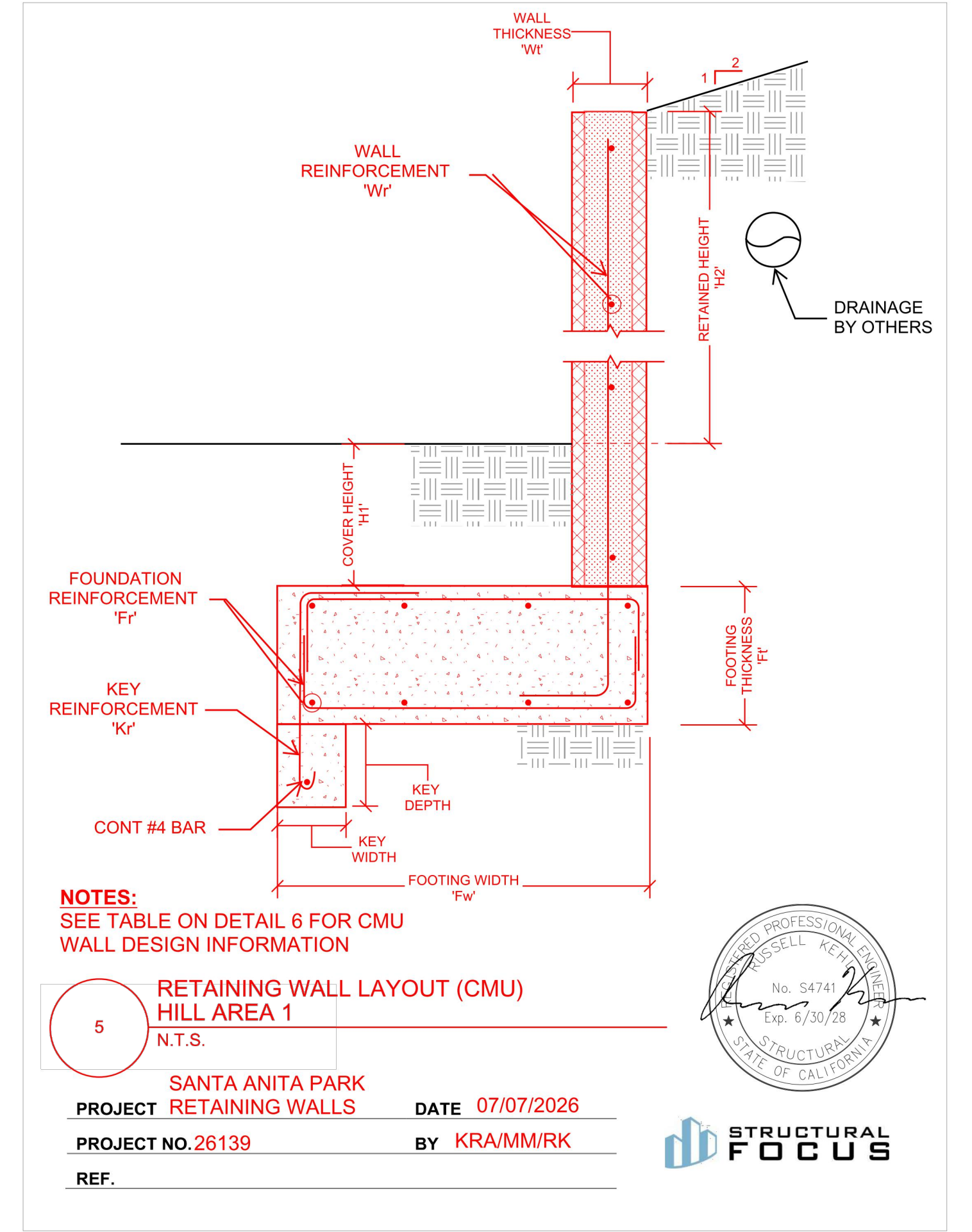
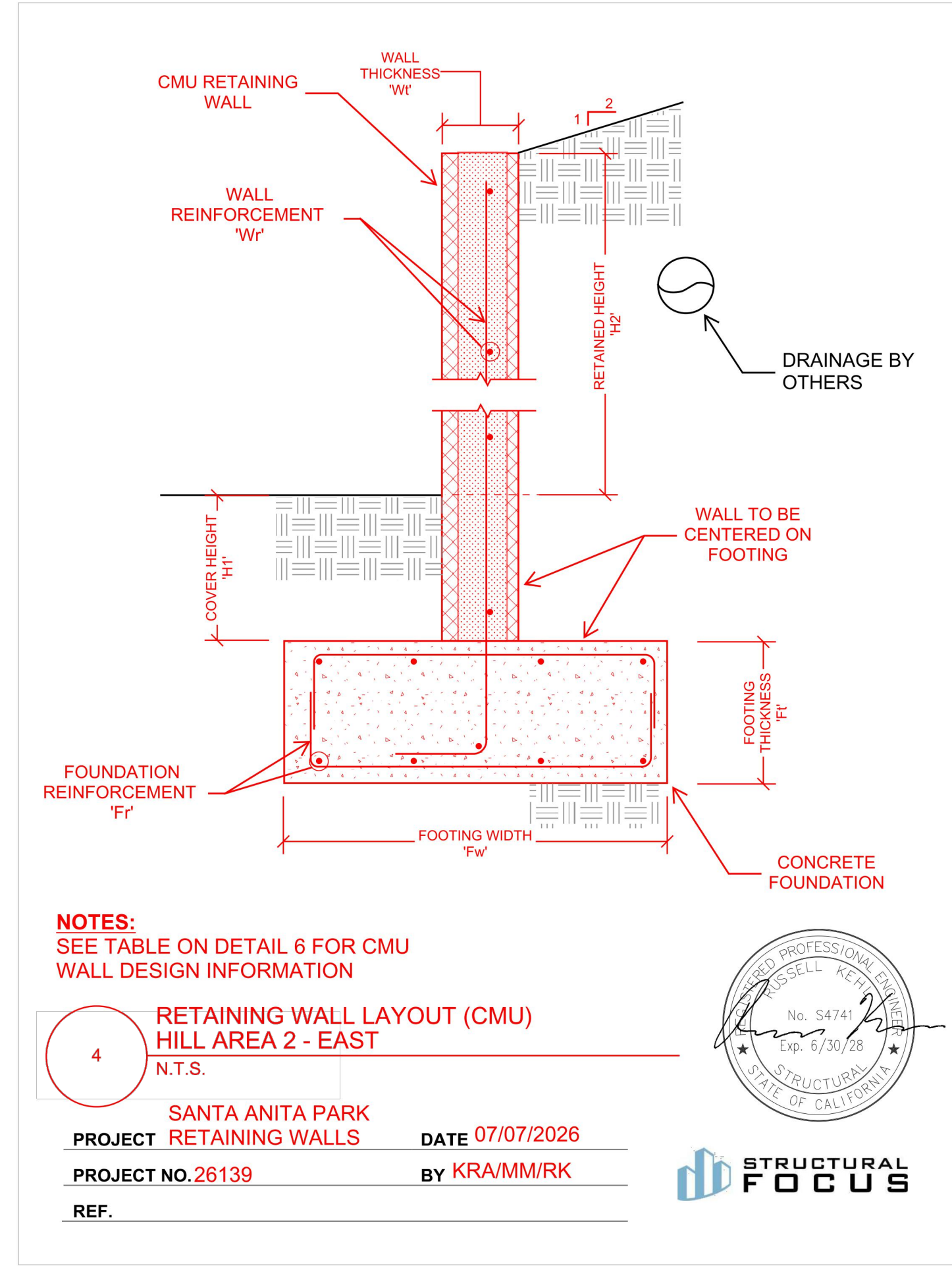
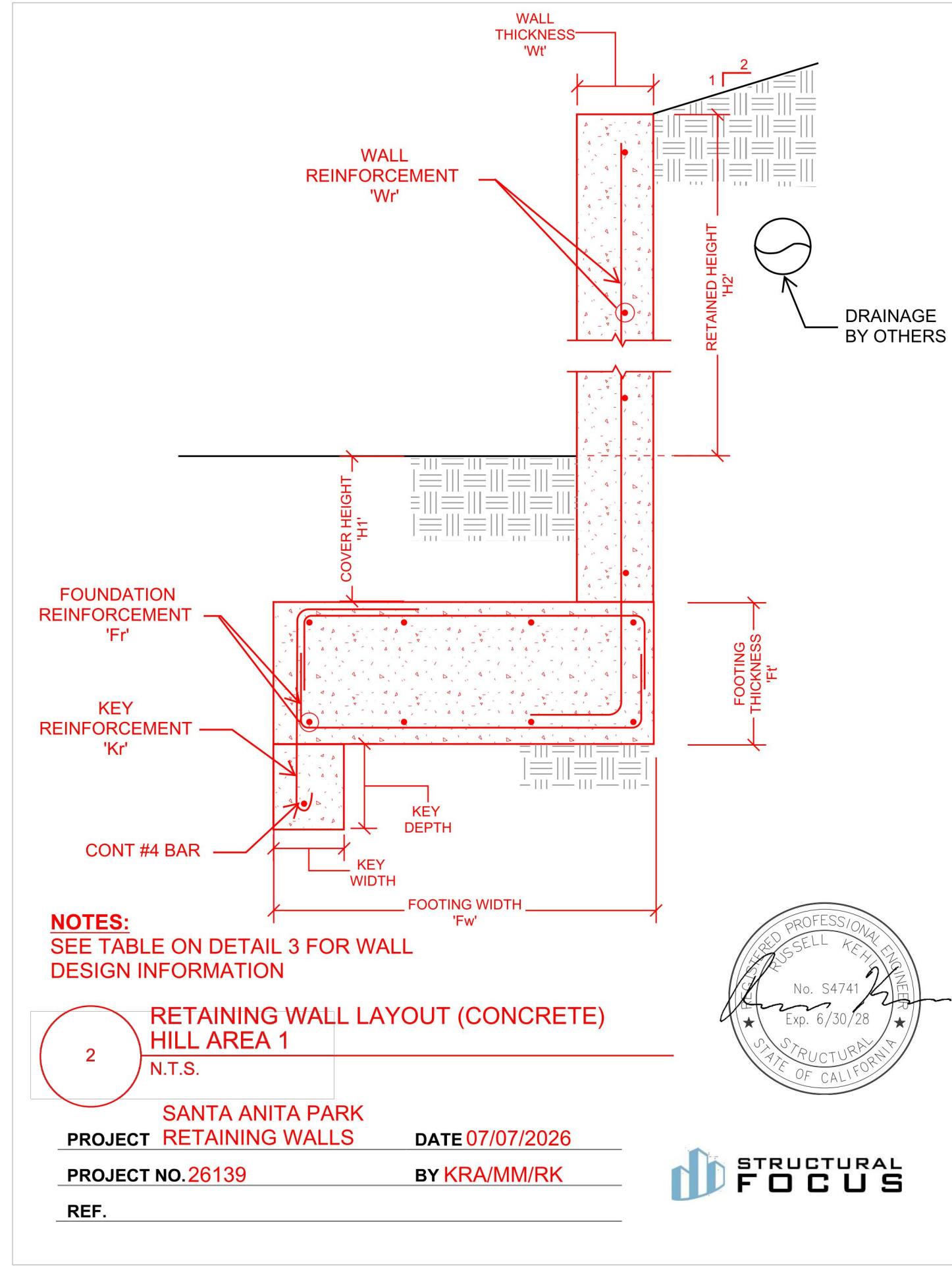
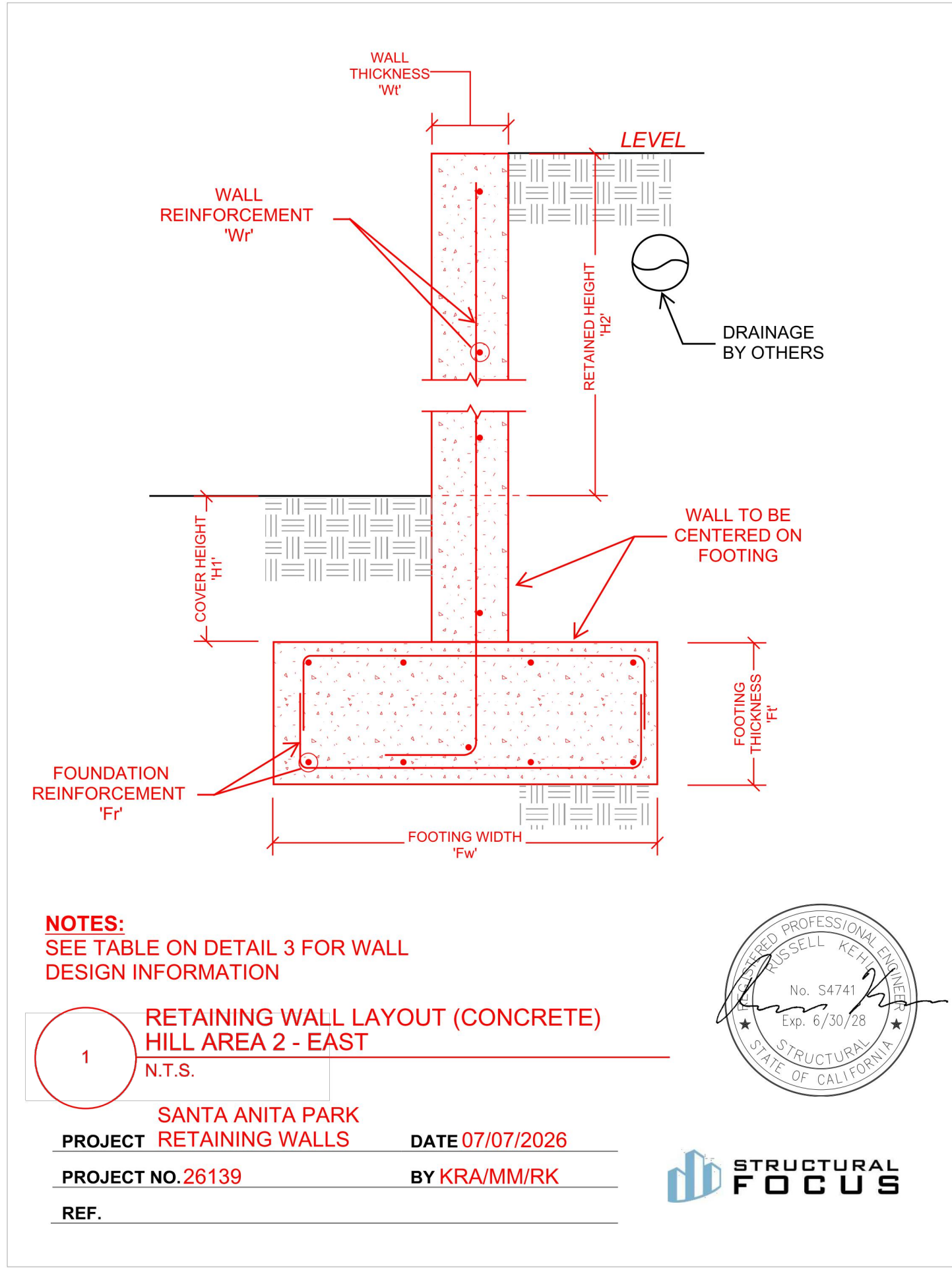


DRAWN BY:	CHKD BY:	APPROVED:	DATE: 06/13/2026	JOB NO.: 0319-003-001	DRAWN BY: AS	DESIGNED BY: AS
			SCALE: 1"=20'	PROJ. NO.: 004	CHECKED BY: AS	PROJ. ENGR.: JF
			APPROVAL RECOMMENDED BY:			
			ASSOCIATE CIVIL ENGINEER RCE DATE			
			APPROVED BY:			
			CITY ENGINEER RCE DATE			

CITY OF ARCADIA
DEVELOPMENT SERVICES DEPARTMENT

SANTA ANITA PARK
LA 28
RETAINING WALL PROFILE

SHEET C-10
DRAWING NO. HSA052-10



	COVER HEIGHT 'H1' (in)	RETAINED HEIGHT 'H2' (ft)	FOOTING THICKNESS 'Ft' (in)	FOOTING WIDTH 'Fw' (ft)	FOOTING REINFORCEMENT 'Fr'	WALL THICKNESS 'Wt' (in)	WALL REINFORCEMENT 'Wr'
1 HILL AREA 2 (EAST)	12" MIN	3'-6" MAX	18"	3'-6"	#4 @ 6" O.C. E.W. T&B	6"	#4 @ 12" O.C. VERT #4 @ 12" O.C. HORIZ
2 HILL AREA 2 (EAST)	12" MIN	6'-0" MAX	24"	5'-6"	#6 @ 10" O.C. E.W. T&B	8"	#6 @ 12" O.C. VERT #4 @ 8" O.C. HORIZ
3 HILL AREA 1 (2:1 SLOPE)	12" MIN	3'-6" MAX	18"	4'-6"	#4 @ 6" O.C. E.W. T&B	6"	#4 @ 9" O.C. VERT #4 @ 9" O.C. HORIZ
4 HILL AREA 1 (2:1 SLOPE)	12" MIN	6'-0" MAX	24"	7'-10"	#6 @ 10" O.C. E.W. T&B	10"	#6 @ 12" O.C. E.F. VERT #4 @ 12" O.C. E.F. HORIZ

	KEY DEPTH (in)	KEY WIDTH (in)	KEY REINFORCEMENT 'Kr'
3 HILL AREA 1 (2:1 SLOPE)	12"	8"	#4 @ 12" O.C.
4 HILL AREA 1 (2:1 SLOPE)	18"	12"	#4 @ 9" O.C.

3 DESIGN TABLE (CONCRETE WALL)
N.T.S.
SANTA ANITA PARK
PROJECT RETAINING WALLS DATE 07/07/2026
PROJECT NO. 26139 BY KRA/MM/RK
REF.



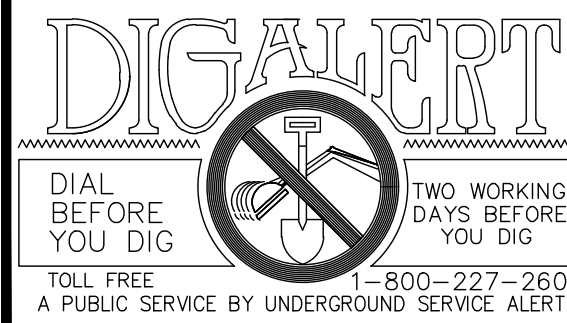
	COVER HEIGHT 'H1' (in)	RETAINED HEIGHT 'H2' (ft)	FOOTING THICKNESS 'Ft' (in)	FOOTING WIDTH 'Fw' (ft)	FOOTING REINFORCEMENT 'Fr'	WALL THICKNESS 'Wt' (in)	WALL REINFORCEMENT 'Wr'
1 HILL AREA 2 (EAST)	12" MIN	3'-6" MAX	18"	3'-6"	#4 @ 6" O.C. E.W. T&B	8" BLOCK	#4 @ 8" O.C. VERT #4 @ 8" O.C. HORIZ
2 HILL AREA 2 (EAST)	12" MIN	6'-0" MAX	24"	5'-6"	#6 @ 10" O.C. E.W. T&B	10" BLOCK	#6 @ 8" O.C. VERT #4 @ 8" O.C. HORIZ
3 HILL AREA 1 (2:1 SLOPE)	12" MIN	3'-6" MAX	18"	4'-6"	#4 @ 6" O.C. E.W. T&B	8" BLOCK	#4 @ 8" O.C. VERT #4 @ 8" O.C. HORIZ
4 HILL AREA 1 (2:1 SLOPE)	12" MIN	6'-0" MAX	24"	7'-10"	#6 @ 10" O.C. E.W. T&B	10" BLOCK	#6 @ 8" O.C. E.F. VERT #4 @ 8" O.C. E.F. HORIZ

	KEY DEPTH (in)	KEY WIDTH (in)	KEY REINFORCEMENT 'Kr'
3 HILL AREA 1 (2:1 SLOPE)	12"	8"	#4 @ 12" O.C.
4 HILL AREA 1 (2:1 SLOPE)	18"	12"	#4 @ 9" O.C.

6 DESIGN TABLE (CMU WALL)
N.T.S.
SANTA ANITA PARK
PROJECT RETAINING WALLS DATE 07/07/2026
PROJECT NO. 26139 BY KRA/MM/RK
REF.



G:\SANTA ANITA PARK\LA28\GRAVING\PRECISE\MSA052-11_WALL STRUCTURAL CALCS.DWG (07-07-26 1:52:23PM) Plotted by: rrandy



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				SCALE: AS SHOWN	PROJ. NO.: 004	CHECKED BY: AS	PROJ. ENGR.: JF
				APPROVAL RECOMMENDED BY:			
				ASSOCIATE CIVIL ENGINEER	RCE	DATE:	
				APPROVED BY:			
				CITY ENGINEER	RCE	DATE:	

CITY OF ARCADIA DEVELOPMENT SERVICES DEPARTMENT	SANTA ANITA PARK LA 28 RETAINING WALL STRUCTURAL SHEETS	SHEET C-11 DRAWING NO. HSA052-11
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