BID NO. LCF 25/26-03
SITEWORK/SITE UTILITIES FOR MODULAR BUILDINGS INSTALLATION PHASE 2
AT PARADISE CANYON ELEMENTARY SCHOOL

ADDENDUM NO. 3

PROJECT NUMBER: 95150

LA CAÑADA UNIFIED SCHOOL DISTRICT

June 3, 2026

RECEIPT OF THIS ADDENDUM MUST BE ACKNOWLEDGED ON BID FORM WHEN SUBMITTED

ADDENDUM NO. 3

The following changes, additions, deletions or corrections shall become a part of the Contract Documents for the project named above and all other conditions shall remain the same. The bidders shall be responsible for transmitting this information to all affected subcontractors and suppliers prior to the closing of bids. Prospective Bidders shall acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject Bidder to disqualification.

Item No. AD-3-1:
RFI: Please confirm per the responsibility matrix, the following systems are by district and not in scope of work - Backbone and Horizontal Cabling, Intercom Clock System, telephone system, Surveillance Cameras.
Response: See updated responsibility matrices in the drawings in this Addendum 3.

Item No. AD-3-2:
RFI: Responsibility matrix states that horizontal cabling and video surveillance cameras are OFOI, however system symbol notes on 5ES0.01 state to provide Cat6A cable to camera locations. Please confirm if who is providing camera and cabling.
Response: See updated responsibility matrices in the drawings in this Addendum 3.

Item No. AD-3-3:
RFI: Is there any skilled and trained or labor agreement needs on this project?
Response: No.

Item No. AD-3-4:
RFI: Can site walk attendance list be provided for qualified bidders.
Response: Site Walk Sign-in Sheet is posted on District website.

Item No. AD-3-5:
RFI: Please confirm finish and style, cylinder requirements (related to Access Control System Responsibility Matrix)
Response: please refer to updated responsibility matrix provided in this Addendum 3.

Item No. AD-3-6:
RFI: Assistive Listening System is noted as owner furnished. 275126 notes to provide portable systems. Please confirm that ALS devices are owner furnished.
Response: The portable ALS devices/kits are Owner-Furnished.

Item No. AD-3-7:
RFI: 274100 calls for an Extron MLC200 Plus, 1/5ET0.04 shows an MLC100 Plus. Please confirm which controller should be included.
Response: MLC200 Plus is required. See revised Detail 1/5ET0.04.

Item No. AD-3-8:
RFI: Reference above project, on Utility Plans 5C1.51 & 5C1.52. Note SD3 indicates the MaxWell IV for AC Units. It does not show the location and number of MaxWell IV

units on the plan.
Response: SD3 MaxWell IV is for drywell units, not AC Units, as described in the RFI. For location and quantity of drywells, please find keynote(s) 'SD3' on the utility plans.

Item No. AD-3-9:
RFI: Could you please confirm that the maximum lunch shelter column height is 14'-6", as indicated in Detail 8k/S1? On Sheet S2, there is a reference to the column at Detail 4k/S1; however, Detail 4k/S1 does not appear to include a column height chart. Could you please clarify?
Response: The height at top of post is 14'6". The clear height at the eave is 13'.

Item No. AD-3-10:
RFI: Addendum No. 02 indicates that acoustical/sound blankets are to be installed on the 8-foot chain-link fence in accordance with Special Conditions Temporary Fencing Attachment C. Could you please confirm whether the sound blankets are required along the entire temporary fence perimeter, or only on sections of fencing that face occupied existing buildings?
Response: Provide sound blankets around the portions of the temporary fencing that face the school.

Item No. AD-3-11:
RFI: The contract requirements state, "Contractor shall not commence Work, nor shall it allow any Subcontractor to commence Work under this Contract, until Contractor and its Subcontractor(s) have procured all required insurance. Contractor shall deliver to the District, in duplicate, complete endorsements (or entire insurance policies) and certificates indicating the required coverages have been obtained, and the District has approved these documents." Given that this project includes XBE participation goals, and certain XBE subcontractors may not be able to meet all the insurance requirements applicable to the prime contractor, please clarify whether these insurance provisions may be modified or waived for subcontractors. Alternatively, will the District consider accepting reduced or alternative insurance requirements for subcontractors to support achievement of project participation goals?
Response: The insurance requirement is as stated in the General Conditions.

Item No. AD-3-12:
Drawing: 5C1.31 – GRADING PLAN
Revisions: Drain elevations adjusted. Additional elevations added at rims, drains and corners of buildings. Riser heights added at stairs. Slopes slightly revised.

Item No. AD-3-13:
Drawing: 5C1.32 – GRADING PLAN
Revisions: Drain elevations adjusted. Additional elevations added at rims, drains and corners of buildings. Riser heights added at stairs. Slopes slightly revised.

Item No. AD-3-14:

Drawing: 5C1.42 – HORIZONTAL CONTROL AND PAVING PLAN
Revisions: Callouts revised. Curb cuts/weepholes added to plan where needed and construction note P19 added.

Item No. AD-3-15:
Drawing: 5C1.51 – UTILITY PLAN
Revisions: Perforated pipe north of Building F added. SD overflow shifted north. Roof drain revised to match plumbing. Area drains and piping added to plan where required. SD9 Storm Drain Daylight construction note reference added. SD17 Perforated Pipe construction note added.

Item No. AD-3-16:
Drawing: 5C1.52 – UTILITY PLAN
Revisions: Roof drain revised to match plumbing. Area drains and piping added to plan where required. SD9 Storm Drain Daylight construction note reference added. SD17 Perforated Pipe construction note added.

Item No. AD-3-17:
Drawing: 5C5.00 – DETAILS
Revisions: Existing Wall Perforated Drain detail added (9/5C5.00).

Item No. AD-3-18:
Drawing: 5C5.01 – DETAILS
Revisions: Doweled Construction Joint for Vehicular Paving detail added (8/5C5.01). Expansion Joint added to existing Isolation joint detail (2/5C5.00).

Item No. AD-3-19:
Drawing: 5C5.02 – DETAILS
Revisions: Asphalt Pavement detail revised (1/5C5.02). Weephole detail added (2/5C5.02). Storm Drain Daylight detail added (4/5C5.02). Wall Drainage detail revised (7/5C5.02).

Item No. AD-3-20:
Drawing: 5PS0.01 - PLUMBING LEGEND AND GENERAL NOTES
Revisions: Note 1 removed from Plumbing General Notes.

Item No. AD-3-21:
Drawing: 5PS1.01 - PLUMBING SITE PLAN
Revisions: Adjustments made to match civil drawings. Keynote 5 call out going to nothing removed. Incorrect SD connections removed.

Item No. AD-3-22:
Drawing: 5PS1.10 - PLUMBING FIRST FLOOR PLAN
Revisions: Cleanouts added. Lines from keynotes 5 and 10 removed. Keynotes 5 and 10 changed where needed to reflect Civil's needs.

Item No. AD-3-23:
Drawing: 5PS1.2 - PLUMBING ROOF PLAN
Revisions: General note G added.

Item No. AD-3-24:
Drawing: 5PS2.00 - PLUMBING DETAILS
Revisions: Detail 4 changed to show an air gap instead of hard connection. Detail 6 added.

Item No. AD-3-25:
Drawing: 5EFA1.00 – FIRE ALARM SITE PLAN.
Revisions: Revised fire alarm feeders to building D. Added new fire alarm pull box between building C and D

Item No. AD-3-26:
Drawing: 5ES0.01 – SECURITY SYMBOLS, ABBREVIATIONS, & DRAWING INDEX
Revisions: Revised Video Surveillance and Access Control System symbol definitions to align with the updated Security Scope Responsibility Matrices on Sheet 5ES0.03.

Item No. AD-3-27:
Drawing: 5ES0.03 - SECURITY SCOPE RESPONSIBILITY MATRIX
Revisions: Revised Video Surveillance and Access Control System Scope Responsibility Matrices per District direction.

Item No. AD-3-28:
Drawing: 5ET0.03 - TELECOM SCOPE RESPONSIBILITY MATRIX
Revisions: Revised Telecommunications System, Classroom AV System, and Assistive Listening System Scope Responsibility Matrices. Revised Note 3.

Item No. AD-3-29:
Drawing: 5ET0.04 - AUDIO VISUAL SYSTEM NOTES & DETAILS
Revisions: Detail 1: Revised AV control panel from Extron MLC 100 Plus to Extron MLC 200 Plus.

Item No. AD-3-30:
Drawing: 5ET0.07 - TELECOMMUNICATIONS DETAILS
Revisions: Detail 2: Revised speaker model from Valcom V-9805 to Valcom VIP-581A IP Angle Surface Mount Unit per District direction.

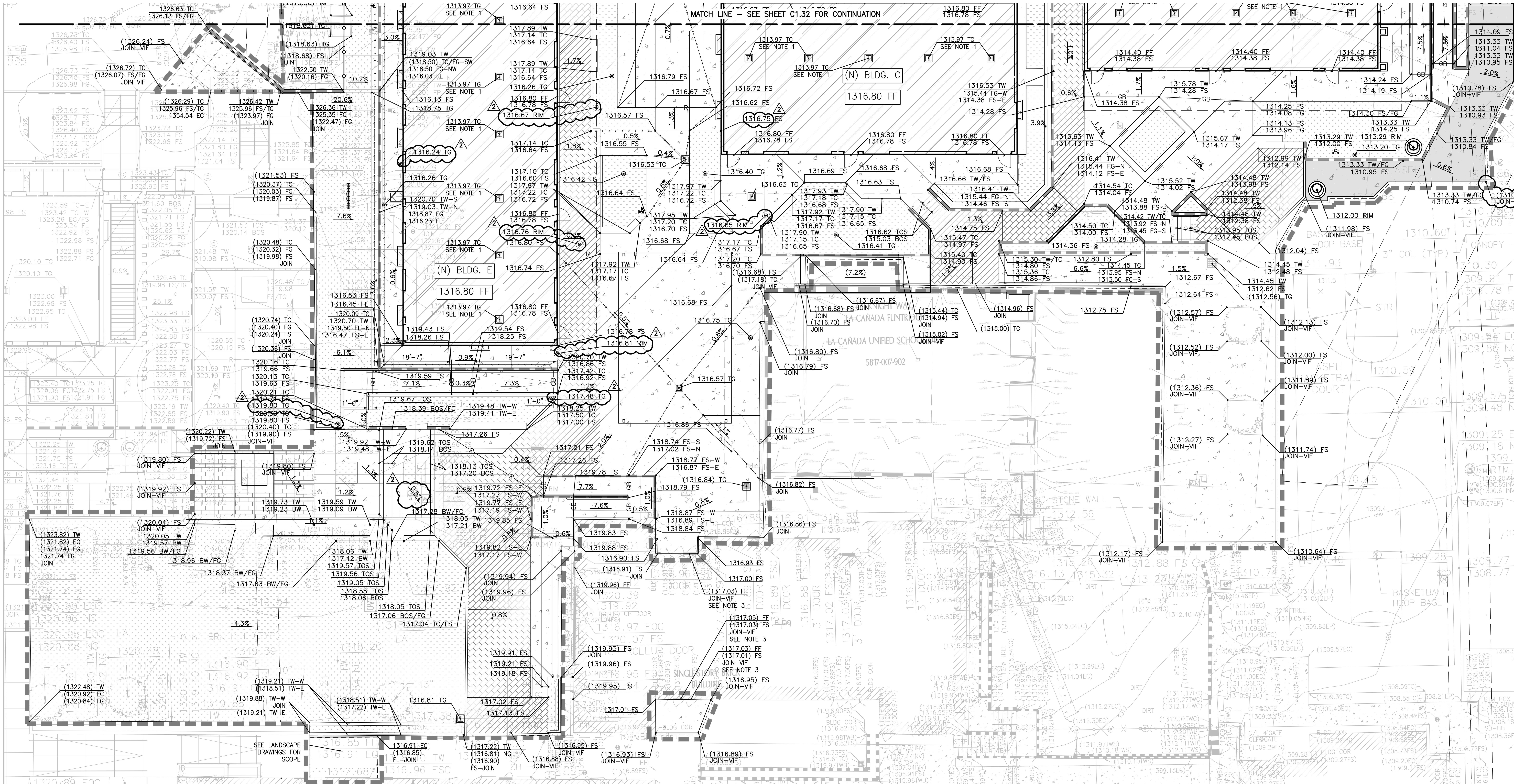
Item No. AD-3-31:
Drawing: 5ET1.01 - TELECOMMUNICATIONS SITE PLAN
Revisions: Revised Keynote 3 to clarify coordination and routing requirements for underground low-voltage conduits crossing beneath Building E.

Item No. AD-3-32:
Additional POC drawings (not reviewed by DSA) have been included for reference.

Attachments:

- DSA-Approved Drawings
  - 5C1.31 – GRADING PLAN
  - 5C1.32 – GRADING PLAN
  - 5C1.42 – HORIZONTAL CONTROL AND PAVING PLAN
  - 5C1.51 – UTILITY PLAN
  - 5C1.52 – UTILITY PLAN
  - 5C5.00 – DETAILS
  - 5C5.01 – DETAILS
  - 5C5.02 – DETAILS
  - 5PS0.01 - PLUMBING LEGEND AND GENERAL NOTES
  - 5PS1.01 - PLUMBING SITE PLAN
  - 5PS1.10 - PLUMBING FIRST FLOOR PLAN
  - 5PS1.2 - PLUMBING ROOF PLAN
  - 5PS2.00 - PLUMBING DETAILS
  - 5EFA1.00 – FIRE ALARM SITE PLAN
  - 5ES0.01 – SECURITY SYMBOLS, ABBREVIATIONS, & DRAWING INDEX
  - 5ES0.03 – AUDIO VISUAL SYSTEM NOTES & DETAILS
  - 5ET0.03 – TELECOM SCOPE RESPONSIBILITY MATRIX
  - 5ET0.04 – AUDIO VISUAL SYSTEM NOTES & DETAILS
  - 5ET0.07 – TELECOMMUNICATIONS DETAILS
  - 5ET1.01 – TELECOMMUNICATIONS SITE PLAN
- Reference Drawings
  - POC-C – POINT OF CONNECTION PLAN
  - POC-D – POINT OF CONNECTION PLAN
  - POC-E1 – POINT OF CONNECTION PLAN
  - POC-E2 – POINT OF CONNECTION PLAN
  - POC-F1 – POINT OF CONNECTION PLAN
  - POC-F2 – POINT OF CONNECTION PLAN
  - POC-2 – POINT OF CONNECTION DETAILS, CONCRETE FOUNDATION

End of Addendum #3



LEGEND

LIMIT OF WORK (SEE NOTE 4)	CONCRETE PAVING (REFER TO DETAIL 4, SHEET 5C5.00 FOR PEDESTRIAN PAVEMENT AND DETAIL 5, SHEET 5C5.01 FOR VEHICULAR PAVEMENT)
PROPERTY LINE	ASPHALT CONCRETE GRIND AND OVERLAY (REFER TO DETAIL 11, SHEET 5C5.01)
FLOW LINE	PLANTER AREA/LANDSCAPING (REFER TO LANDSCAPING PLANS FOR DETAILS)
GB — GB — GRADE BREAK	PROPOSED BUILDING (REFER TO ARCHITECTURAL PLANS FOR DETAILS)
R — R — R — RIDGE LINE	PAVERS (REFER TO LANDSCAPING PLANS FOR DETAILS)
EARTHEN SWALE	GRAVEL (REFER TO LANDSCAPE PLANS FOR DETAILS)
SAWCUT AND JOIN	P.I.P. RUBBER SURFACING (REFER TO LANDSCAPE PLANS FOR DETAILS)
TOP / TOE GRADE SLOPE (HORIZONTAL:VERTICAL)	
LIMITS OF GRADING	
GRADING BENCH	
—100— PROPOSED MAJOR CONTOUR	
—102— PROPOSED MINOR CONTOUR	
RETAINING WALL/SITE WALL (REFER TO STRUCTURAL PLANS FOR DETAILS)	
PLANTER WALL BRICK INFILL	
STORM DRAIN INLET	
AREA DRAIN/PLANTER DRAIN	

NOTES:

1. CRAWLSPACE SLAB TO DRAIN TOWARDS CATCH BASIN AT A MINIMUM SLOPE OF 0.5%. SEE STRUCTURAL NOTES ON SHEETS S1.1A–A – S1.1F–A FOR MORE DETAIL ON CRAWLSPACE SLAB.
2. REFER TO LANDSCAPING PLAN FOR MORE DETAILS REGARDING PAVERS AND DIFFERENT TYPES OF PAVERS TO BE USED.
3. THRESHOLD SHOULD BE 1/4 INCH BELOW FF. CONTRACTOR TO VERIFY FF ELEVATION BEFORE CONSTRUCTION.
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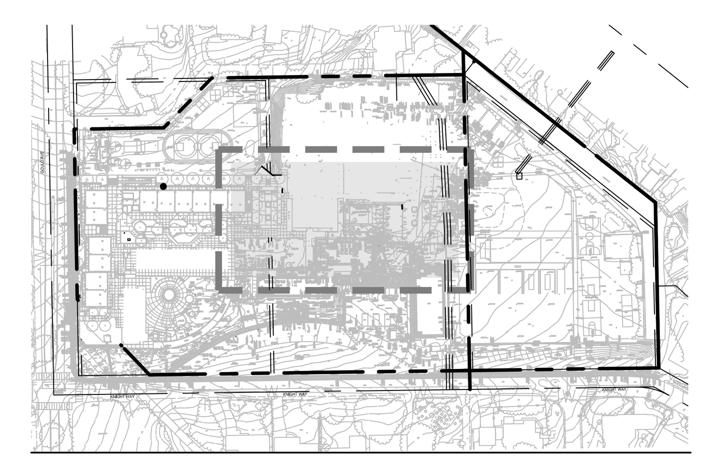

KEY MAP SCALE: 1"=200'

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0 5' 10'
SCALE: 1"=10'

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REGISTERED PROFESSIONAL ENGINEER
No. C77744
Exp. 6/30/27
CIVIL
STATE OF CALIFORNIA

PARADISE CANYON E.S.

PACKAGE 5 - NEW NORTH BUILDINGS

471 KNIGHT WAY, LA CAÑADA FLINTRIDGE, CA 91011

PROJECT NUMBER 20911

LICENSED ARCHITECT
HARRY R DRAKE
NO. C-014869
REN. 05-31-27
STATE OF CALIFORNIA

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#	REVISION DATE	DESCRIPTION
2	06/02/2026	ADDENDUM 3

DRAWING TITLE

GRADING PLAN

5C1.31

SCALE: AS INDICATED

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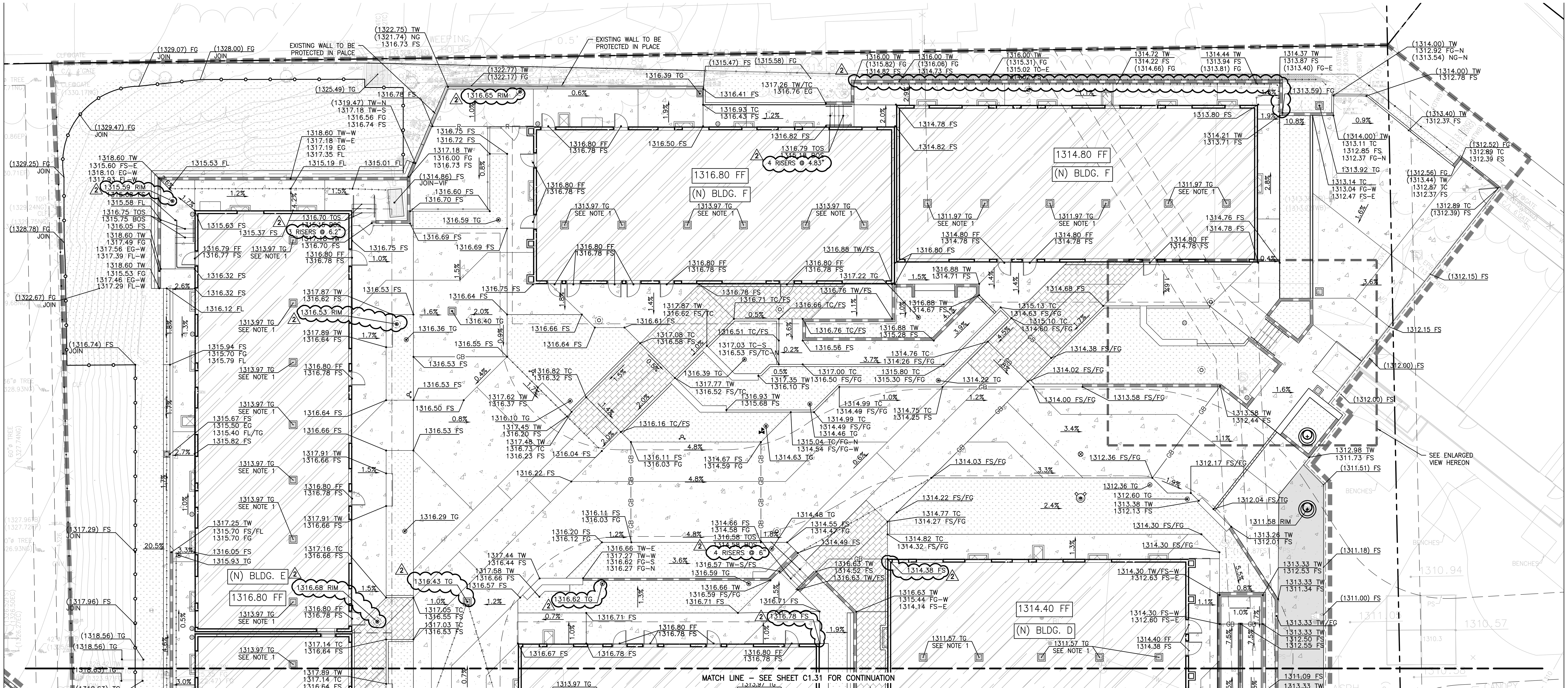

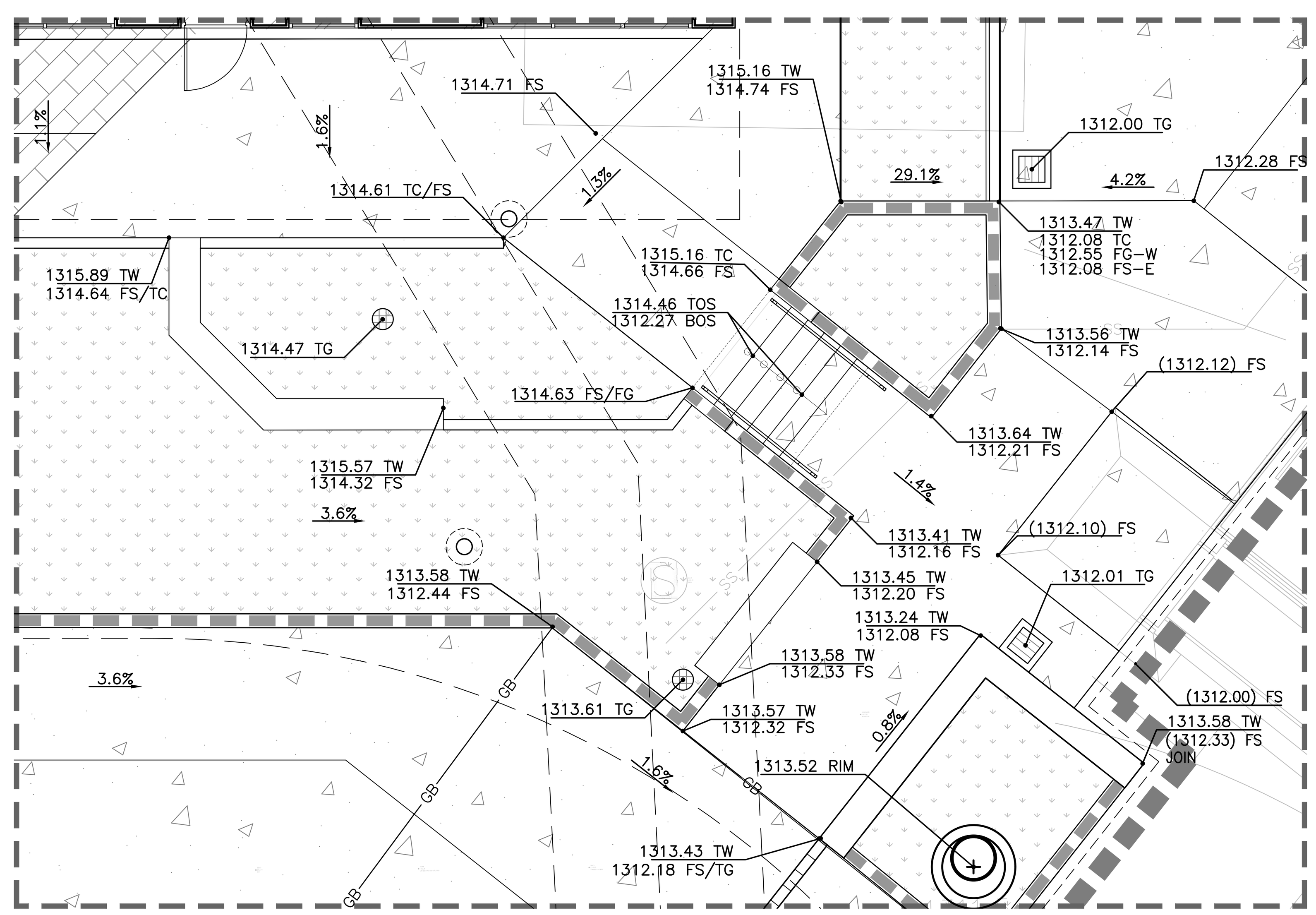

ENLARGED PLAN VIEW
SCALE: 1" = 5'
SEE SHEET C1.30 FOR OVERALL PLAN

LEGEND

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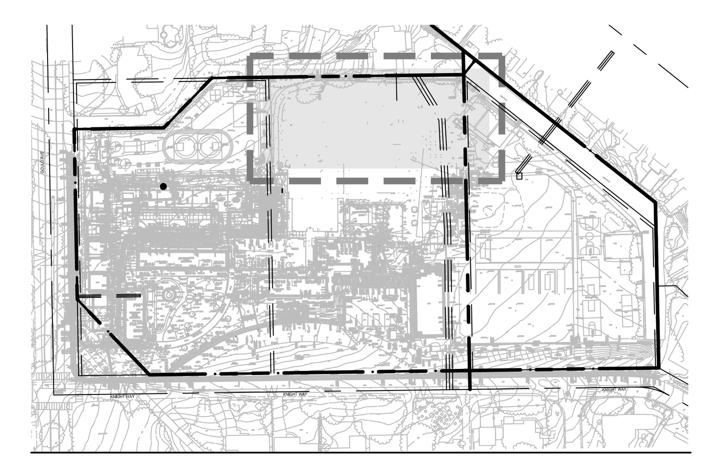
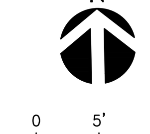


KEY MAP SCALE: 1"=200'



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#	REVISION DATE	DESCRIPTION
2	06/02/2026	ADDENDUM 3

DRAWING TITLE

GRADING PLAN

5C1.32

SCALE: AS INDICATED

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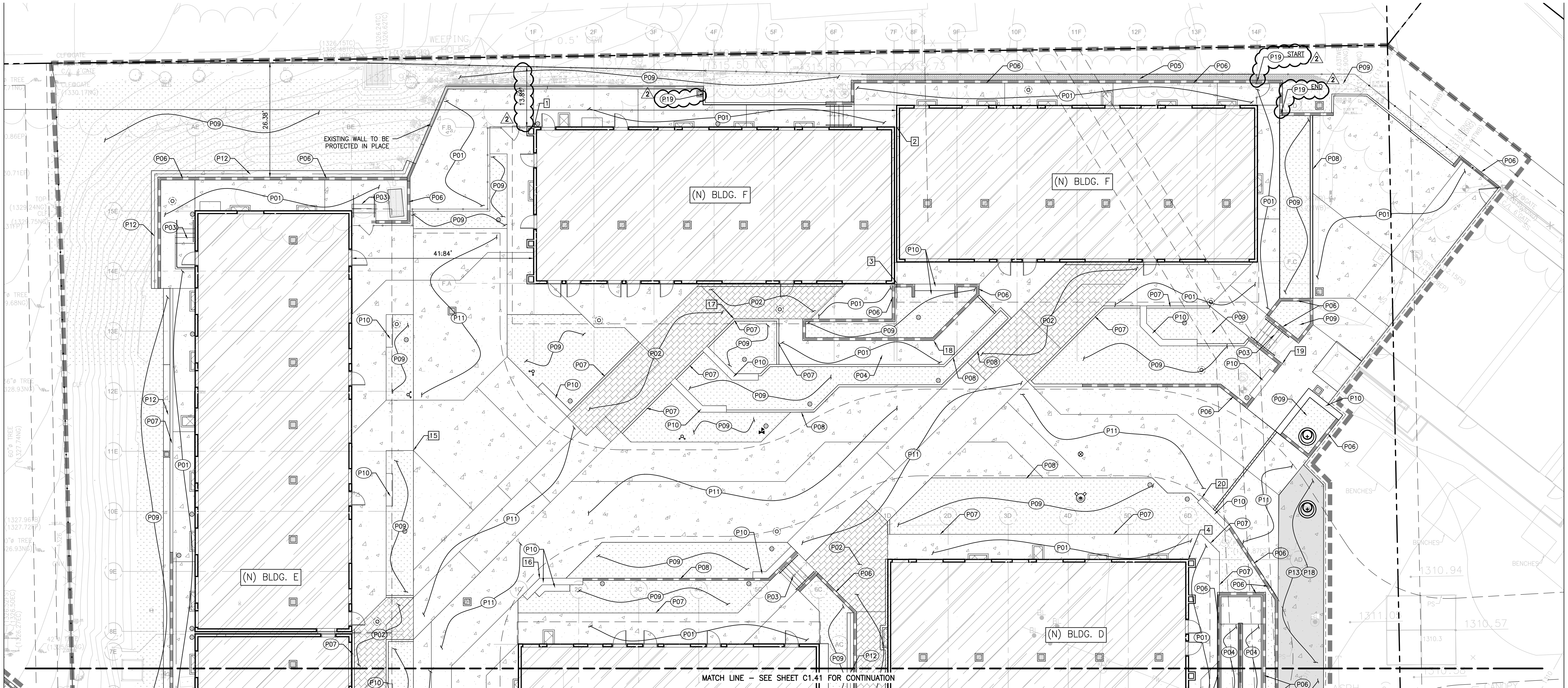


PAVING CONSTRUCTION NOTES

- P01 CONCRETE PAVEMENT PER DETAIL 4, SHEET 5C5.00.
- P02 PAVERS. SEE LANDSCAPING PLANS FOR ORIENTATION OF PAVERS. SEE LANDSCAPE PLANS, DETAIL 3, SHEET 5L2.01
- P03 STAIRS PER KPFF STRUCTURAL PLANS.
- P04 RAMP. SEE ARCHITECTURAL PLANS FOR DETAILS.
- P05 GRAVEL.
- P06 RETAINING WALL. SEE KPFF STRUCTURAL PLANS FOR DETAILS. REFER TO DETAIL 7, 5C5.02 FOR WALL DRAINAGE.
- P07 CONCRETE MOW CURB.
- P08 RAISED CONCRETE CURB PER DETAIL 4, SHEET 5C5.01.
- P09 LANDSCAPING. SEE LANDSCAPE PLANS FOR DETAILS.
- P10 CONCRETE SEAT WALL. SEE LANDSCAPE PLANS FOR DETAILS.
- P11 VEHICULAR CONCRETE PAVEMENT PER DETAIL 5, SHEET 5C5.01.
- P12 CONCRETE VALLEY GUTTER PER DETAIL 3, SHEET 5C5.01.
- P13 ASPHALT PAVING PER DETAIL 1, SHEET 5C5.02.
- P14 RESILIENT SURFACING. SEE LANDSCAPE PLANS FOR MORE DETAILS.
- P15 RAISED PLANTER WALL.
- P16 GRAVEL INFILL. SECTION PER DETAIL 4, SHEET 5C5.02.
- P17 TERRACED WALL.
- P18 CONCRETE GRIND AND OVERLAY PER DETAIL 1, SHEET 5C5.02.
- 2 P19 CURB CUT OR WEEPHOLES AT 2' O.C. PER DETAIL 2, SHEET 5C5.02 FOR DRAINAGE.

LEGEND

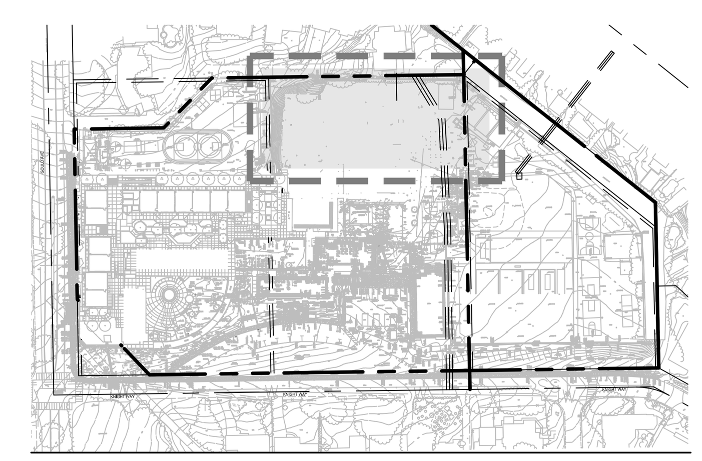
- LIMIT OF WORK
- PROPERTY LINE
- OVER EXCAVATION LINE
- FIRE LANE
- CONCRETE PAVING (REFER TO DETAIL 4, SHEET 5C5.00 FOR PEDESTRIAN PAVEMENT AND DETAIL 5, SHEET 5C5.01 FOR VEHICULAR PAVEMENT)
- ASPHALT CONCRETE GRIND AND OVERLAY (REFER TO DETAIL 1, SHEET 5C5.02)
- PLANTER AREA/LANDSCAPING (REFER TO LANDSCAPING PLANS FOR DETAILS)
- PROPOSED BUILDING (REFER TO ARCHITECTURAL PLANS FOR DETAILS)
- PAVERS (REFER TO LANDSCAPING PLANS FOR DETAILS)
- P.I.P. RUBBER SURFACING (REFER TO LANDSCAPE PLANS FOR DETAILS)
- RETAINING WALL/SITE WALL (REFER TO STRUCTURAL PLANS FOR DETAILS)
- PLANTER WALL BRICK INFILL
- HORIZONTAL CONTROL POINT (REFER TO POINT TABLE)

POINT TABLE

POINT NO.	NORTHING	EASTING	DESCRIPTION
1	7811.80	6693.38	GRID LINE INTERSECTION 1F & FB
2	7810.09	6777.14	GRID LINE INTERSECTION 8F & FB
3	7774.10	6776.40	GRID LINE INTERSECTION 8F & FA
4	7709.00	6842.29	GRID LINE INTERSECTION 6D & AD
5	7612.64	6647.18	GRID LINE INTERSECTION 1E & BE
6	7656.62	6686.69	GRID LINE INTERSECTION 1C & BC
7	7673.01	6841.56	GRID LINE INTERSECTION 6D & BD
8	7571.84	6650.40	NORTHWEST CORNER OF BUILDING B
9	7567.98	6618.64	SOUTHEAST CORNER OF STAIRS
10	7642.31	6668.91	SOUTHEAST CORNER OF PLANTER
11	7647.21	6734.91	TOP OF STAIR
12	7667.93	6789.60	NORTHEAST CORNER OF PLANTER
13	7630.84	6800.28	SOUTHEAST CORNER OF PLANTER
14	7651.61	6851.18	SOUTH CORNER OF RETAINING WALL
15	7737.82	6664.04	NORTHEAST CORNER OF PLANTER
16	7707.76	6692.54	TOP OF SEATWALL
17	7766.66	6738.59	NORTHWEST CORNER OF CURB
18	7760.73	6784.62	SOUTH CORNER OF RETAINING WALL
19	7753.76	6864.94	EAST CORNER OF RETAINING WALL
20	7723.23	6845.76	TOP CORNER OF SEAT WALL

NOTE TO CONTRACTOR/CONSTRUCTION SURVEYOR:

CONSTRUCTION STAKING FOR IMPROVEMENTS SHOWN ON THESE PLANS SHALL BE PERFORMED BY A LICENSED LAND SURVEYOR. CONSTRUCTION STAKING SURVEYOR SHALL BE RESPONSIBLE FOR COORDINATION OF THESE PLANS WITH SOURCE DRAWINGS PREPARED BY ARCHITECT, LANDSCAPE ARCHITECT, STRUCTURAL ENGINEER, MEP CONSULTANT AND ANY OTHER DISCIPLINE PRIOR TO START OF STAKING AND CONSTRUCTION. ANY DISCREPANCIES THAT OCCUR SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO THE START OF CONSTRUCTION SO THAT A CLARIFICATION CAN BE ISSUED.



KEY MAP SCALE: 1"=200'

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0 5' 10'
SCALE: 1"=10'

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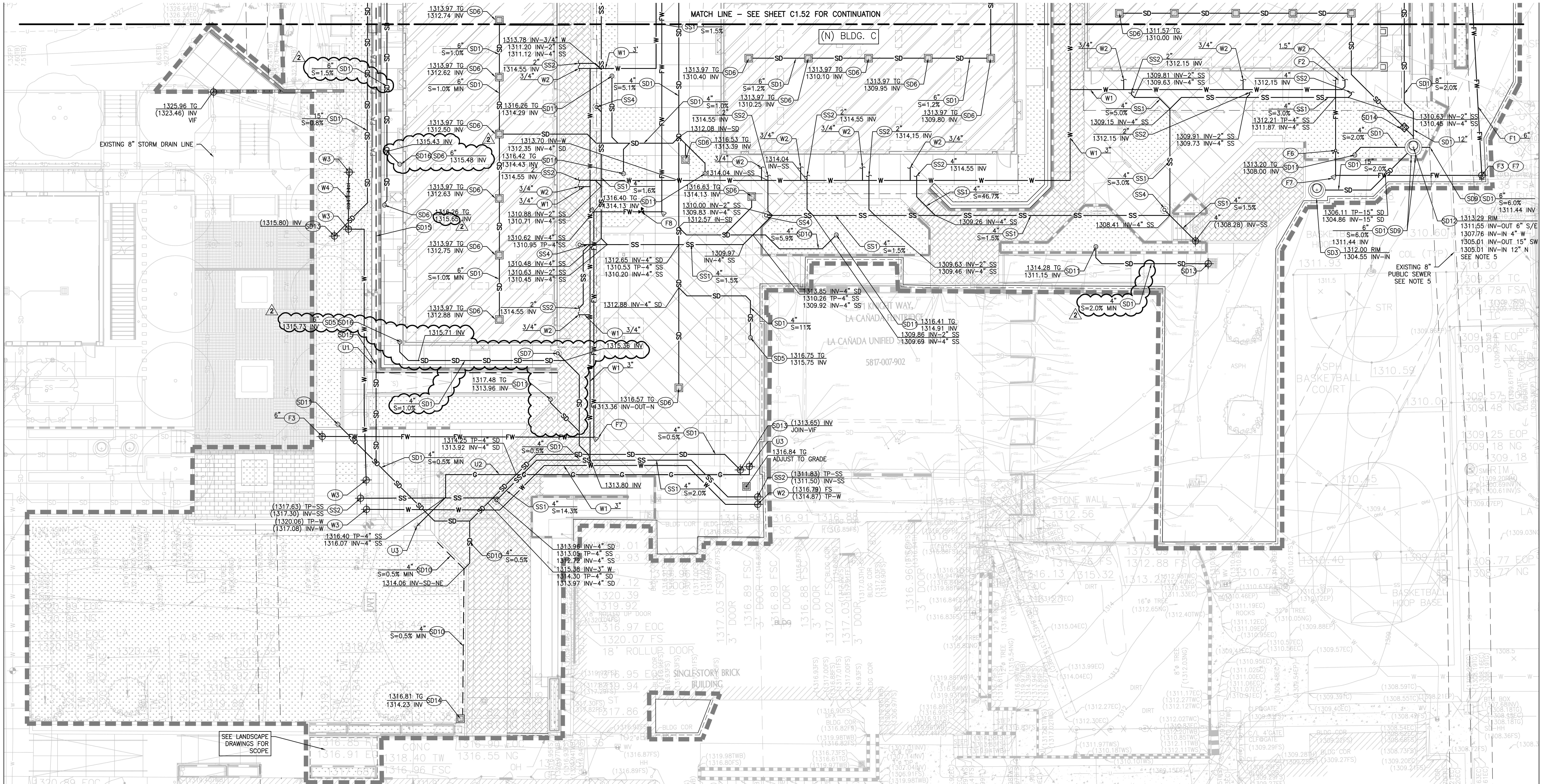
DRAWING TITLE

HORIZONTAL CONTROL AND PAVING PLAN

5C1.42

SCALE: AS INDICATED



UTILITY CONSTRUCTION NOTES:

STORM DRAIN

- SD1 PVC SDR–35 STORM DRAIN PIPE PER DETAIL 5, SHEET 5C5.00. SIZE AND SLOPE PER PLAN.
- SD2 POINT OF CONNECTION WITH BUILDING LATERAL PIPE. SEE PLUMBING DRAWINGS FOR CONTINUATION.
- SD3 MAXWELL IV DRYWELL. PER DETAIL 8, SHEET 5C5.02.
- SD4 CONTECH CDS PRETREATMENT UNIT. PER DETAIL 1, SHEET 5C5.03
- SD5 AREA DRAIN PER DETAIL 6, SHEET 5C5.00.
- SD6 JENSEN 12"X12" PRECAST CATCH BASIN. HEEL PROOF GRATE IN PEDESTRIAN AREAS.
- SD7 CLEANOUT PER DETAIL 8, SHEET 5C5.00.
- SD8 ACO K100 PRECAST HEAVY DUTY TRENCH DRAIN OR APPROVED EQUIVALENT.
- SD9 STORM DRAIN OVERFLOW OUTLET PER DETAIL 4, SHEET 5C5.02. 2
- SD10 TURF AREA PERFORATED PIPE PER DETAIL 10, SHEET 5C5.01.
- SD11 PLANTER DRAIN PER DETAIL 9, SHEET 5C5.01.
- SD12 CONTECH CDS PRETREATMENT UNIT, PER DETAIL 4, SHEET 5C5.03.
- SD13 CONNECT TO EXISTING STORM DRAIN. VERIFY INVERT IN FIELD.
- SD14 BACK WATER VALVE & BOX.
- SD15 PERFORATED PIPE PER DETAIL 7, SHEET 5C5.02 AND THE GEOTECHNICAL REPORT BLDG C D E & F FOR MORE DETAILS.
- SD16 ABOVEGROUND DOWNSPOUT. SEE PLUMBING FOR CONTINUATION.
- SD17 PERFORATED PIPE PER DETAIL 9, SHEET 5C5.00. 2

SANITARY SEWER

- SS1 PVC SDR–35 SANITARY SEWER PIPE PER DETAIL 5, SHEET 5C5.00. SIZE AND SLOPE PER PLAN.
- SS2 POINT OF CONNECTION WITH BUILDING LATERAL PIPE. SEE PLUMBING DRAWINGS AND AMS POINT OF CONNECTION PLAN FOR CONTINUATION.
- SS3 CONNECT TO EXISTING CAMPUS SEWER LINE. CONTRACTOR TO VERIFY POINT OF CONNECTION LOCATION AND INVERT ELEVATION IN FIELD.
- SS4 CLEANOUT PER DETAIL 8, SHEET 5C5.00.
- SS5 RELOCATE EXISTING PUBLIC SEWER LINE.
- SS6 PIPE ENCASEMENT PER DETAIL 3, SHEET 5C5.03.

DOMESTIC WATER

- W1 PVC SCHEDULE 40 DOMESTIC WATER PIPE PER DETAIL 5, SHEET 5C5.00. SIZE PER PLAN.
- W2 POINT OF CONNECTION WITH BUILDING LATERAL PIPE. SEE PLUMBING DRAWINGS AND AMS POINT OF CONNECTION PLAN FOR CONTINUATION.
- W3 CONNECT TO EXISTING CAMPUS WATER LINE.
- W4 RELOCATED BACKFLOW PREVENTOR.

FIRE WATER

- F1 PVC C–900 FIRE WATER PIPE PER DETAIL 5, SHEET 5C5.00. SIZE AND MATERIAL PER PLAN.
- F2 POINT OF CONNECTION TO FIRE RISER. SITE CONTRACTOR TO ROUTE FROM SITE POC TO FIRE RISER.
- F3 CONNECT TO EXISTING SITE FIRE WATER LINE.
- F4 GATE VALVE IN VALVE BOX PER DETAIL 2, SHEET 5C5.03.
- F5 FIRE HYDRANT. INSTALLATION BY VALLEY WATER COMPANY. SHOWN FOR COORDINATION PURPOSES ONLY. SEE DETAIL 7, SHEET 5C5.00.
- F6 FIRE DEPARTMENT CONNECTION PER DETAIL 6, SHEET 5C5.01.
- F7 THRUST BLOCK PER DETAIL 7, SHEET 5C5.01 OR SELF RESTRAINING MECHANICAL JOINT.
- F8 POST INDICATOR VALVE PER DETAIL 1, SHEET 5C5.01.
- F9 NOT USED.

OTHER UTILITIES

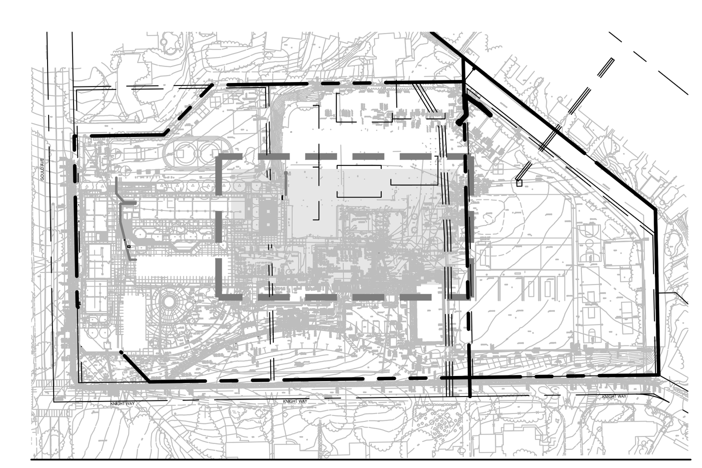
- U1 ELECTRICAL CONDUIT. SEE ELECTRICAL DRAWINGS FOR DETAILS AND SPECIFICATIONS. SHOWN FOR COORDINATION PURPOSES ONLY.
- U2 GAS LINE. MATCH EXISTING SIZE AND MATERIAL. PIPE TO MAINTAIN MINIMUM 24" COVER. SHOWN FOR COORDINATION PURPOSES ONLY.
- U3 GAS LINE POINT OF CONNECTION TO THE EXISTING CAMPUS GAS LINE. VERIFY INVERT IN THE FIELD.
- U4 ELECTRICAL CONDUIT POINT OF CONNECTION TO EXISTING CAMPUS ELECTRICAL LINE. SEE ELECTRICAL DRAWINGS FOR DETAILS AND SPECIFICATIONS. VERIFY INVERT IN FIELD.

LEGEND:

- LIMIT OF WORK
- PROPERTY LINE
- EASEMENT
- SEE STRUCTURAL DRAWINGS FOR DETAILS. SEE DETAIL 7, SHEET 5C5.02 AND THE GEOTECHNICAL REPORT BLDG C D E & F FOR MORE DETAILS.
- SS — SANITARY SEWER
- W — WATER
- DW — DOMESTIC WATER
- FW — FIRE WATER
- SD — STORM DRAIN
- G — GAS
- E — ELECTRIC
- T — TELEPHONE
- PERFORATED PIPE
- POINT OF CONNECTION
- COORDINATION POINT
- CAP OR PLUG
- UTILITY MANHOLE
- UTILITY CLEANOUT
- STORM DRAIN INLET
- AREA DRAIN/PLANTER DRAIN
- TRENCH DRAIN
- FIRE HYDRANT
- THRUST BLOCK
- FIRE DEPARTMENT CONNECTION (FDC)
- POST INDICATOR VALVE (PIV)
- WATER VALVE
- BACKFLOW ASSEMBLY
- UTILITY METER VAULT

NOTE:

1. IRRIGATION WATER METER, LINES AND APPURTENANCES BY OTHERS.
2. ALL BMP'S PROPOSED AS A PART OF THIS PROJECT ARE TO BE INSPECTED BY THE ENGINEER OF RECORD AFTER INSTALLATION AND PRIOR TO OBTAINING A CERTIFICATE OF OCCUPANCY.
3. PRIOR TO THE INSTALLATION OF ALL WATER, STORM DRAIN AND SEWER MAIN LINE CONNECTIONS, THE CONTRACTOR SHALL POTHOLE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF THE MAIN LINE. IF CONDITIONS DIFFER FROM THOSE ON THE PLAN, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND SHALL NOT BEGIN CONSTRUCTION UNTIL THE CHANGED CONDITION HAS BEEN EVALUATED.
4. 12" WATER LINE IDENTIFIED BY CONTRACTOR TO BE PROTECTED IN PLACE AND COVERAGE TO BE MAINTAINED.
5. THE CONTRACTOR SHALL EXERCISE CAUTION DURING THE INSTALLATION OF THE CDS UNIT DUE TO THE PROXIMITY OF AN EXISTING SEWER LINE. THE EXISTING SEWER LINE SHALL REMAIN UNDISTURBED DURING CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION OF THE SEWER LINE PRIOR TO EXCAVATION AND SHALL TAKE ALL NECESSARY PRECATUIONS TO AVOID DAMAGE OR DISTURBANCE TO THE EXISTING UTILITY. ANY CONFLICTS OR CONCERNS SHALL BE REPORTED TO THE ENGINEER PRIOR TO PROCEEDING WITH WORK IN THIS AREA.



KEY MAP SCALE: 1"=200'

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0 5' 10'
SCALE: 1"=10'

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PROFESSIONAL ENGINEER No. C77744 Exp. 6/30/27 CIVIL STATE OF CALIFORNIA

PARADISE CANYON E.S.
PACKAGE 5 - NEW NORTH BUILDINGS
471 KNIGHT WAY, LA CAÑADA FLINTRIDGE, CA 91011

PROJECT NUMBER 20911

LICENSED ARCHITECT HARRY R DRAKE NO. C-014869 REN. 05-31-27 STATE OF CALIFORNIA

ISSUE DATE	DESCRIPTION
04/19/2024	100% SCHEMATIC DESIGN
07/05/2024	50% DESIGN DEVELOPMENT
08/16/2024	100% DESIGN DEVELOPMENT
04/11/2025	50% CONSTRUCTION DOCUMENTS
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08/06/2025	DSA V1
12/05/2025	DSA V2
03/20/2026	DSA V3

#	REVISION DATE	DESCRIPTION
2	06/02/2026	ADDENDUM 3

DRAWING TITLE

UTILITY PLAN

5C1.51

SCALE: AS INDICATED

If this sheet is smaller than 30" high by 42" wide then it has been reduced.

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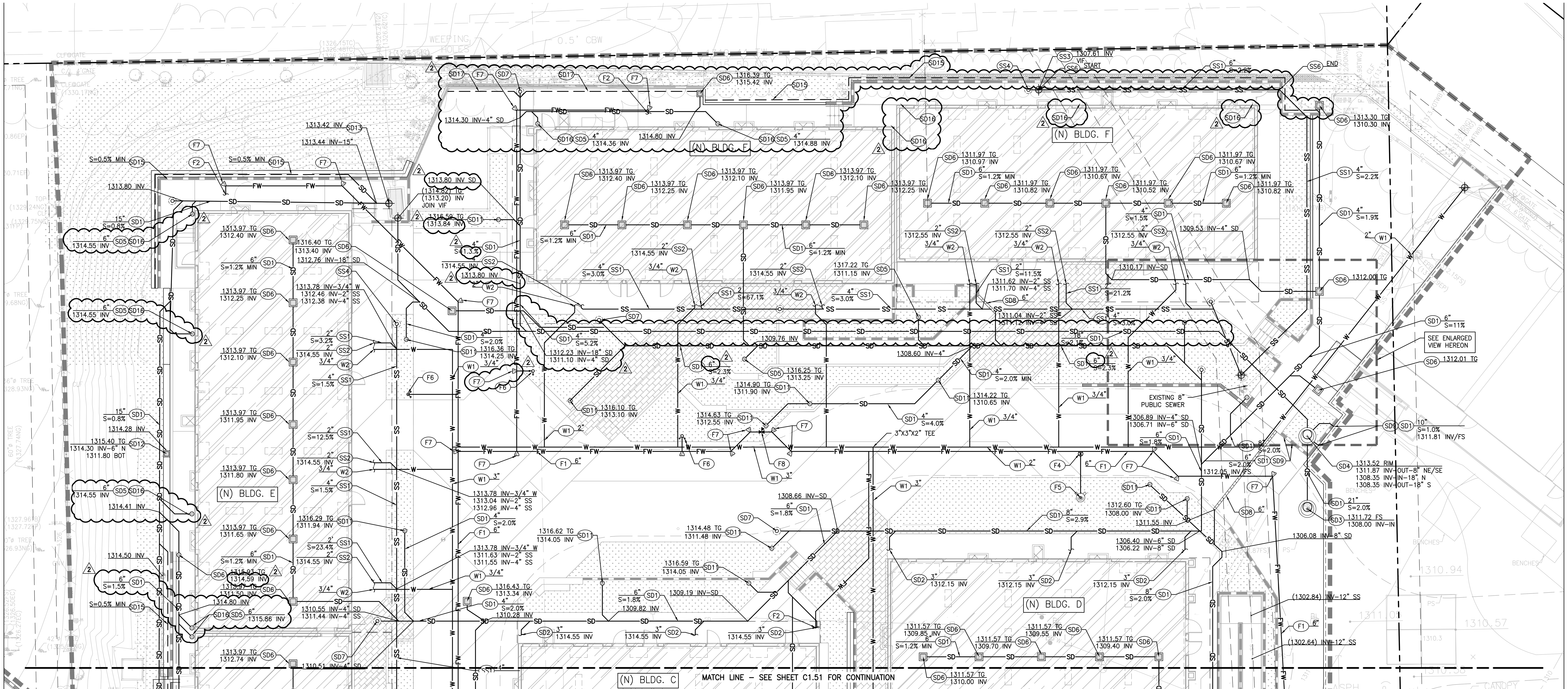

UTILITY CONSTRUCTION NOTES:

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W	WATER
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	UTILITY CLEANOUT
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	TRENCH DRAIN
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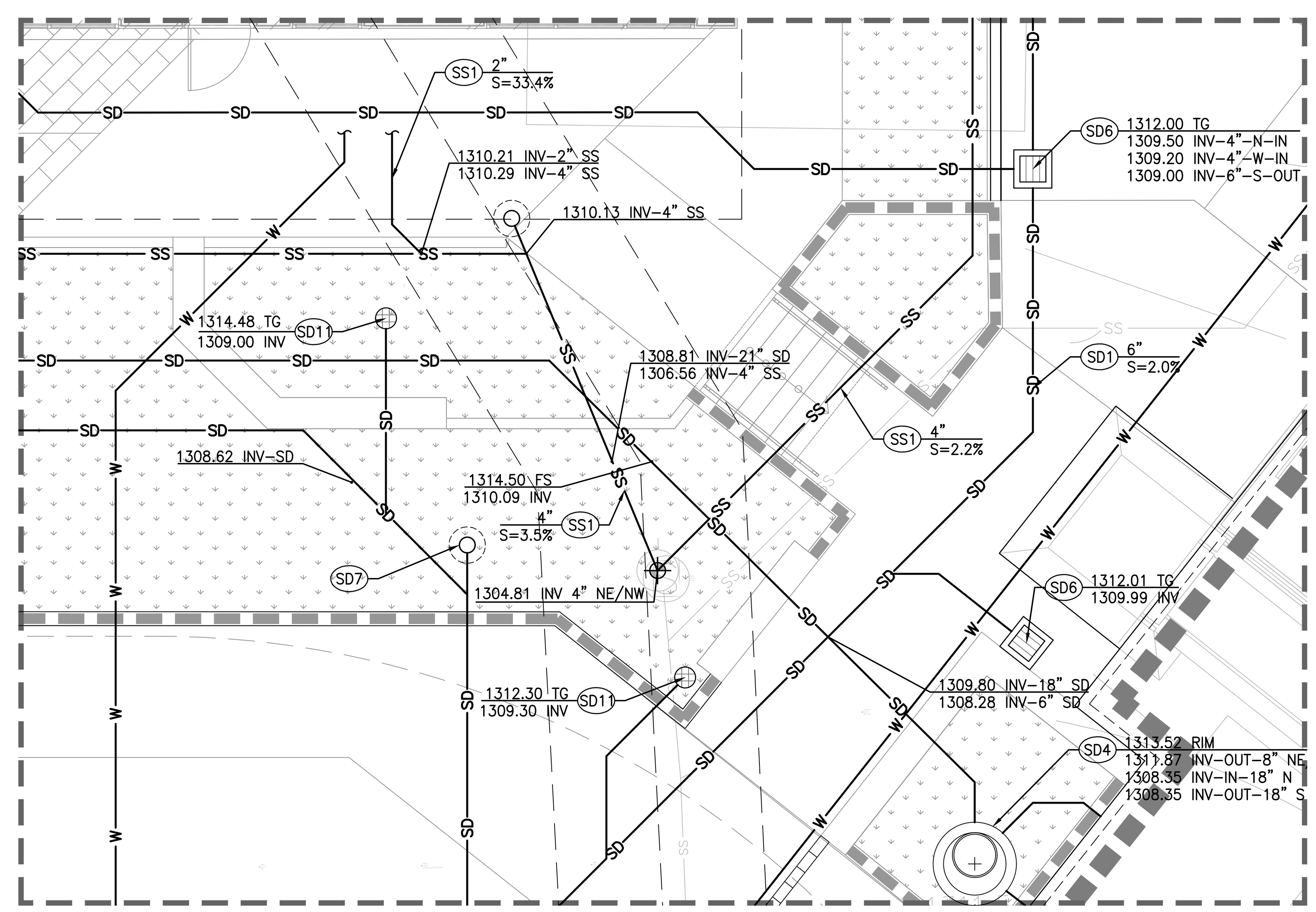
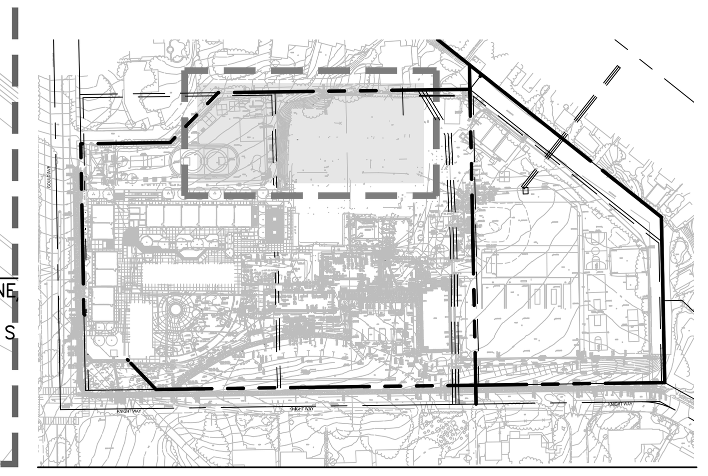
	POST INDICATOR VALVE (PIV)
	WATER VALVE
	BACKFLOW ASSEMBLY
	UTILITY METER VAULT



ENLARGED PLAN VIEW
SCALE: 1" = 5'
SEE SHEET C1.30 FOR OVERALL PLAN



KEY MAP SCALE: 1"=200'

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SCALE: 1"=10'

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CIVIL STATE OF CALIFORNIA

PARADISE CANYON E.S.

PACKAGE 5 - NEW NORTH BUILDINGS

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#	REVISION DATE	DESCRIPTION
2	06/02/2026	ADDENDUM 3

DRAWING TITLE

UTILITY PLAN

5C1.52

SCALE: AS INDICATED

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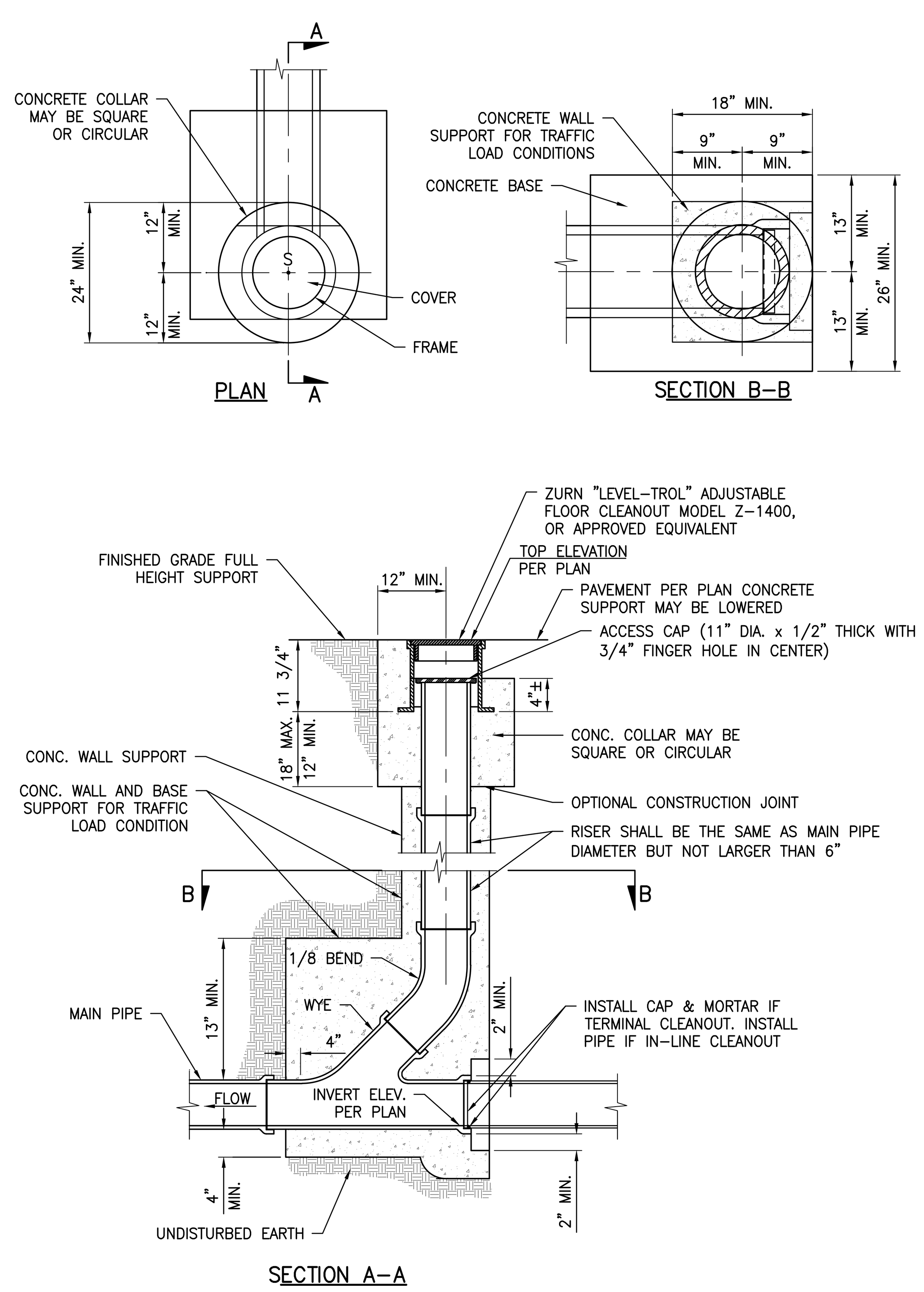
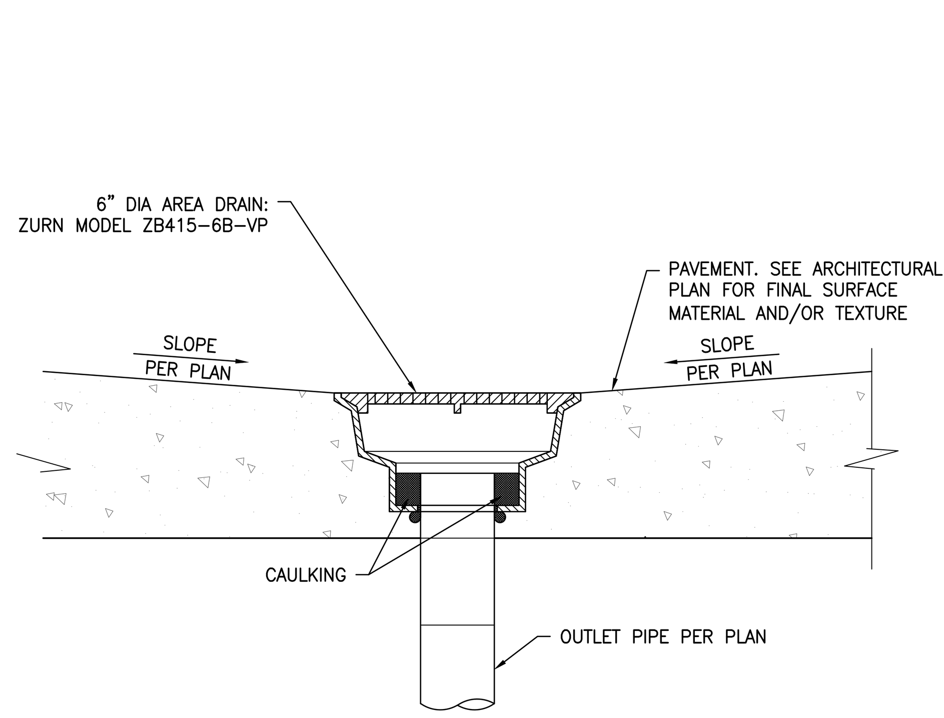


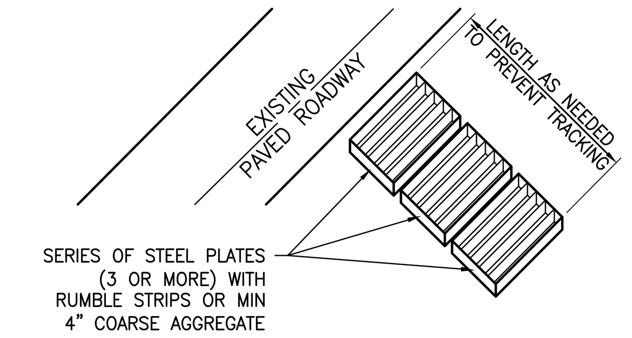
NOTES

1. SEE PROJECT PLANS FOR INVERT ELEVATION.
2. PIPE AND FITTINGS, EXCEPT AS OTHERWISE SHOWN ON HEREON, SHALL BE OF THE SAME MATERIAL AS THE SEWER, UNLESS APPROVED ADAPTERS ARE UTILIZED AND MAY BE ANY OF THE FOLLOWING:
   A. VC PIPE
   B. PE PIPE
   C. ABS SOLID PIPE
   D. ABS COMPOSITE PIPE
   E. PVC PLASTIC PIPE
3. PIPES AND FITTINGS SHALL BE PROPERLY ALIGNED AND MAINTAINED WHILE CONCRETE IS BEING PLACED AND ALLOWED TO HARDEN. JOINTS FOR PIPES AND FITTINGS SHALL BE MADE PRIOR TO PLACING CONCRETE. CONCRETE FOR BEDDING, ENCASEMENT, AND WALL SUPPORT FOR PIPES AND FITTINGS SHALL BE PLACED UNIFORMLY AROUND THE PIPE AND FITTINGS AS SHOWN HEREON TO MAINTAIN PROPER ALIGNMENT.
4. THE ACCESS FRAME, COVER AND CAP SHALL BE CAST IRON. THE FINGER HOLES MAY BE DRILLED OUT OR MAY BE BLOCKED OUT PRIOR TO CASTING; THEY SHALL NOT BE PUNCHED OUT.
5. THE CONTRACTOR, AT HIS OPTION, MAY PLACE EITHER CIRCULAR OR SQUARE CONCRETE PIPE WALL SUPPORTS AS SHOWN HEREON.

8 STANDARD CLEANOUT N.T.S.



6 NON–TRAFFIC AREA DRAIN N.T.S.



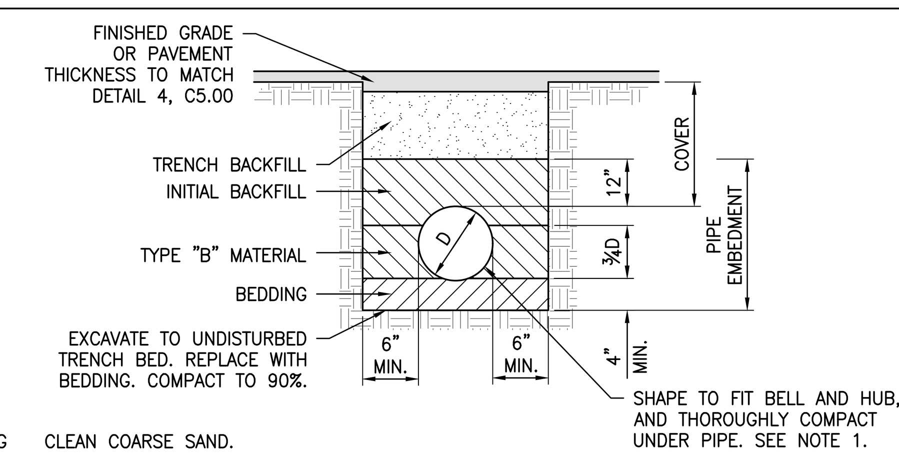
NOTES:

1. THE CONSTRUCTION ENTRANCE ROADWAYS SHALL BE STABILIZED SO AS TO PREVENT SEDIMENTS FROM BEING DEPOSITED INTO THE PUBLIC ROADS. DEPOSITIONS MUST BE SWEPT UP IMMEDIATELY AND MAY NOT BE WASHED DOWN BY RAIN OR OTHER MEANS INTO THE STORM DRAIN SYSTEM.
2. STABILIZED CONSTRUCTION ENTRANCE SHALL BE LOCATED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE OR FROM A PUBLIC RIGHT OF WAY, STREET, ALLEY, AND SIDEWALK OR PARKING AREA.
3. IF A WASH RACK IS INCLUDED, A SEDIMENT TRAP OF SOME KIND MUST ALSO BE PROVIDED TO COLLECT WASH WATER RUNOFF.
4. ALL VEHICLES ACCESSING THE CONSTRUCTION SITE SHALL UTILIZE THE STABILIZED CONSTRUCTION ENTRANCE.

STREET MAINTENANCE NOTES

1. REMOVE ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS IMMEDIATELY.
2. SWEEP PAVED AREAS THAT RECEIVE CONSTRUCTION TRAFFIC WHENEVER SEDIMENT BECOMES VISIBLE.
3. PAVEMENT WASHING WITH WATER IS PROHIBITED IF IT RESULTS IN A DISCHARGE TO THE STORM DRAIN SYSTEM

3 STABILIZED CONSTRUCTION ENTRANCE N.T.S.



BEDDING	CLEAN COARSE SAND.
CLEAN COARSE SAND	SHALL CONFORM TO THE REQUIREMENTS OF SAND FOR PORTLAND CEMENT CONCRETE AS SPECIFIED IN SECTION 200–1.5.5 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 2021 EDITION.
INITIAL BACKFILL	NATIVE MATERIAL – MAXIMUM SIZE NOT TO EXCEED 1 1/2".
TRENCH BACKFILL	NATIVE MATERIAL – 90% COMPACTION MIN. (95% COMPACTION IN UPPER 3.0' OF PAVED AREAS). UP TO CLASS IV SOILS, TYPE ML,CL. FINE GRAINED, LL<50, MEDIUM TO NO PLASTICITY. NOTE, IF CLASS IV SOIL, TYPE MH OR ALL CLASS V SOILS THEN USE CLEAN COURSE SAND.
"TYPE" B MATERIAL	SHALL BE ONE OF THE FOLLOWING: 1. NATIVE FREE DRAINING MATERIAL OR CRUSHED ROCK CONFORMING TO SUBSECTION 200–1.2 AND TABLE 200–1.2.1(A) OF THE "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION". FOR PIPES UP TO AND INCLUDING 15", MAXIMUM ROCK GRADATION SHALL BE ½". FOR PIPES OVER 15", MAXIMUM ROCK GRADATION SHALL BE ¾". 2. CLEAN COARSE SAND.

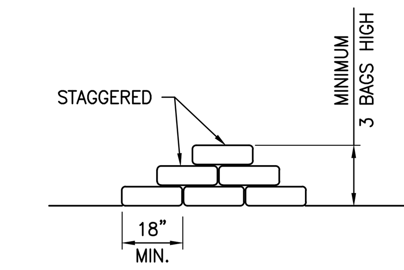
NOTES:

1. EXCAVATE FOR BELLS OR HUBS SO FULL LOAD IS CARRIED BY PIPE BARRELS.
2. TYPE "B" MATERIAL SHALL BE PLACED IN A MANNER SUCH AS SLICING SHOVEL–SPADING, OR SHOVEL RODDING TO INSURE COMPLETE FILLING OF THE "HAUNCH AREAS" BELOW THE PIPE. (JETTING OF TYPE "B" MATERIAL IS NOT AUTHORIZED UNLESS PREVIOUSLY APPROVED).
3. TRENCH BACKFILL SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 217–2 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 2021 EDITION. WATER DENSIFIED BACKFILL SHALL NOT BE USED.

5 FLEXIBLE PIPE BEDDING DETAIL N.T.S.

SLOPE INCLINATION	MAXIMUM SHEET FLOW LENGTH (FOR SLOPE INTERRUPTION)
< 4:1 (H:V)	*20'
4:1–2:1 (H:V)	*15'
> 2:1 (H:V)	*10'

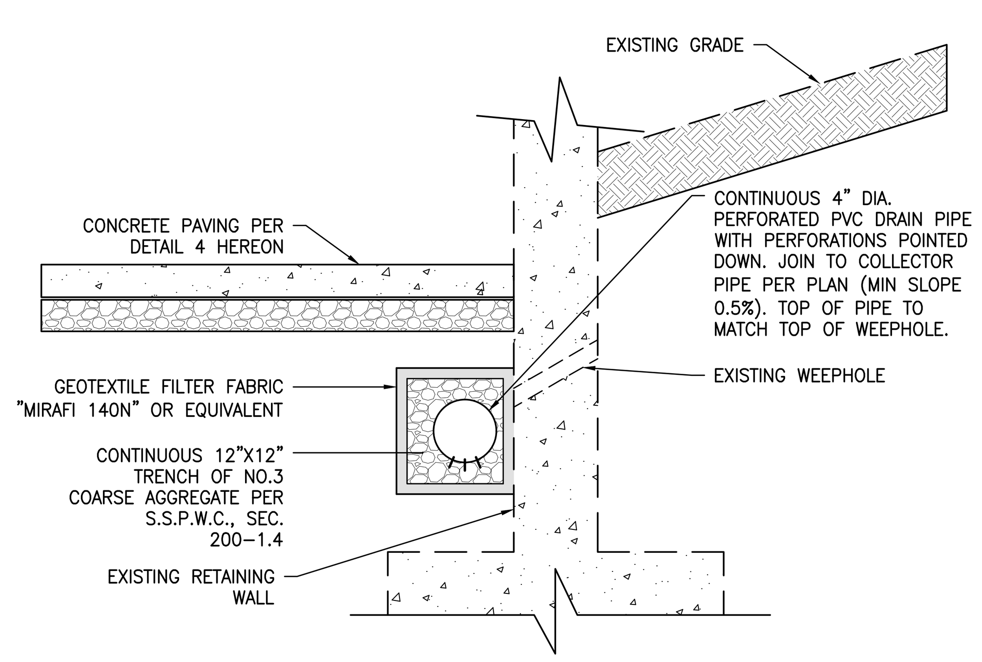
* FIRST ROW NEAR SLOPE TOE



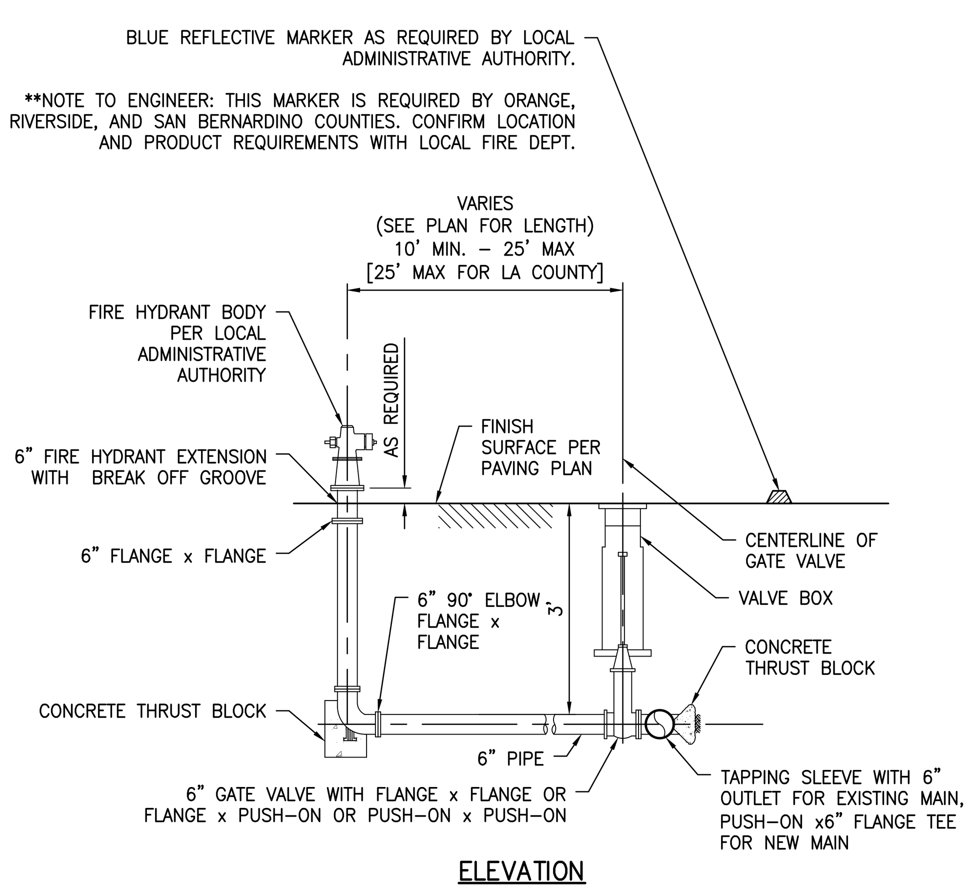
NOTES:

1. BAG MATERIAL: BAGS SHOULD BE WOVEN POLYPROPYLENE, POLYETHYLENE OR POLYAMIDE FABRIC, MINIMUM UNIT WEIGHT OF 4 OUNCES/YD², MULLEN BURST STRENGTH EXCEEDING 300 LB/IN² IN CONFORMANCE WITH THE REQUIREMENTS IN ASTM DESIGNATION D3786, AND ULTRAVIOLET STABILITY EXCEEDING 70% IN CONFORMANCE WITH THE REQUIREMENTS IN ASTM DESIGNATION D4355.
2. BAG SIZE: EACH GRAVEL–FILLED BAG SHOULD HAVE A LENGTH OF 18 IN., WIDTH OF 12 IN., THICKNESS OF 3 IN., AND MASS OF APPROXIMATELY 33 LBS. BAG DIMENSIONS ARE NOMINAL, AND MAY VARY BASED ON LOCALLY AVAILABLE MATERIALS.
3. FILL MATERIAL: FILL MATERIAL SHALL BE 0.5 TO 1.0 INCH CRUSHED ROCK, CLEAN AND FREE OF CLAY, ORGANIC MATTER, AND OTHER DELETERIOUS MATERIAL, OR OTHER SUITABLE OPEN–GRADED, NON–COHESIVE, POROUS GRAVEL.
4. TURN THE ENDS OF GRAVEL BAG BARRIER UP SLOPE TO PREVENT RUNOFF FROM GOING AROUND BARRIER.
5. USE PYRAMID APPROACH WHEN STACKING BAGS.

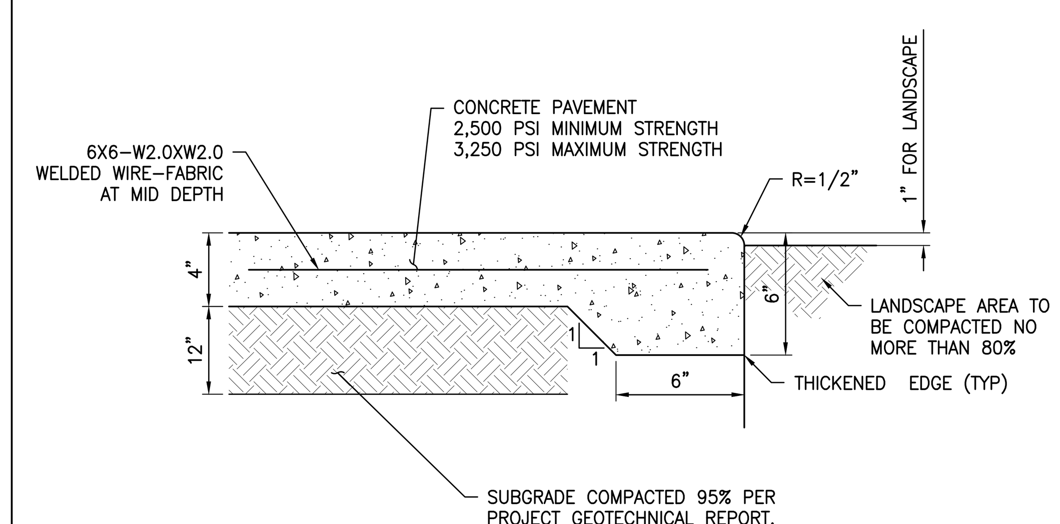
2 GRAVEL BAG BARRIER N.T.S.



9 EXISTING WALL PERFORATED DRAIN N.T.S.



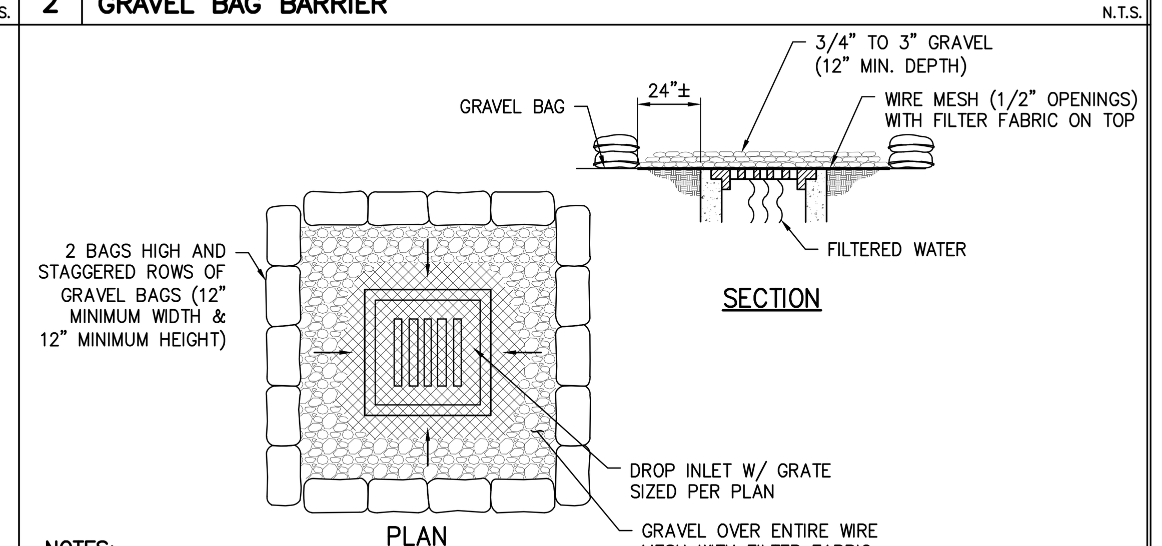
7 FIRE HYDRANT ASSEMBLY N.T.S.



NOTES:

1. ALL TREAD SURFACES SHALL BE SLIP–RESISTANT.
2. REFER TO ARCHITECTURAL DRAWINGS FOR COLOR, PATTERN, TEXTURE, AND FINISH.
3. SEE LANDSCAPE PLAN FOR LOCATION OF CONTROL JOINTS.
4. CONCRETE SHOWN IS EXEMPT FROM BATCH PLANT INSPECTION PER CBC SECTION 1705A.3.3.2.

4 PEDESTRIAN CONCRETE WALK SECTION N.T.S.



NOTES:

1. PLACE WIRE MESH OVER AND 1" (MINIMUM) BEYOND THE INLET STRUCTURE. (MESH OPENINGS NOT TO EXCEED 1/2" x 1/2" WIRE)
2. PLACE FILTER FABRIC OVER WIRE MESH.
3. PLACE 3/4" TO 3" GRAVEL OVER THE FILTER FABRIC/WIRE MESH (12" MINIMUM DEPTH OVER THE ENTIRE INLET OPENING).
4. BAG MATERIAL: BAGS SHOULD BE WOVEN POLYPROPYLENE, POLYETHYLENE OR POLYAMIDE FABRIC, MINIMUM UNIT WEIGHT OF 4 OUNCES/YD², MULLEN BURST STRENGTH EXCEEDING 300 LB/IN² IN CONFORMANCE WITH THE REQUIREMENTS IN ASTM DESIGNATION D3786, AND ULTRAVIOLET STABILITY EXCEEDING 70% IN CONFORMANCE WITH THE REQUIREMENTS IN ASTM DESIGNATION D4355.
5. BAG SIZE: EACH GRAVEL–FILLED BAG SHOULD HAVE A LENGTH OF 18 IN., WIDTH OF 12 IN., THICKNESS OF 3 IN., AND MASS OF APPROXIMATELY 33 LBS. BAG DIMENSIONS ARE NOMINAL, AND MAY VARY BASED ON LOCALLY AVAILABLE MATERIALS.
6. FILL MATERIAL: FILL MATERIAL SHALL BE 0.5 TO 1.0 INCH CRUSHED ROCK, CLEAN AND FREE OF CLAY, ORGANIC MATTER, AND OTHER DELETERIOUS MATERIAL, OR OTHER SUITABLE OPEN–GRADED, NON–COHESIVE, POROUS GRAVEL.
7. USE PYRAMID APPROACH WHEN STACKING BAGS.
8. LEAVE GAP OF ONE BAG ON TOP ROW TO SERVE AS SPILLWAY.

1 STORM DRAIN INLET PROTECTION N.T.S.

Practice
135 W. Green St Suite 200 Pasadena, CA 91105 | 626.568.1248 | practice-la.com

LA CAÑADA UNIFIED SCHOOL DISTRICT ESTABLISHED 1885

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700 South Flower Street
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www.kpff.com

REGISTERED PROFESSIONAL ENGINEER
No. C77744
Exp. 6/30/27
CIVIL
STATE OF CALIFORNIA

PARADISE CANYON E.S.

PACKAGE 5 - NEW NORTH BUILDINGS

471 KNIGHT WAY, LA CAÑADA FLINTRIDGE, CA 91011

PROJECT NUMBER 20911

LICENSED ARCHITECT
HARRY R DRAKE
NO. C-014869
REN. 05-31-27
STATE OF CALIFORNIA

ISSUE DATE	DESCRIPTION
04/19/2024	100% SCHEMATIC DESIGN
07/05/2024	50% DESIGN DEVELOPMENT
08/16/2024	100% DESIGN DEVELOPMENT
04/11/2025	50% CONSTRUCTION DOCUMENTS
07/18/2025	100% CONSTRUCTION DOCUMENTS
08/06/2025	DSA V1
12/05/2025	DSA V2
03/20/2026	DSA V3

#	REVISION DATE	DESCRIPTION
2	06/02/2026	ADDENDUM 3

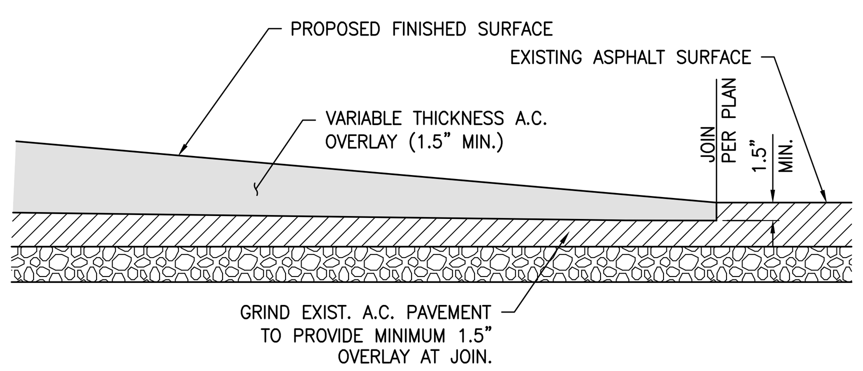
DRAWING TITLE

DETAILS

5C5.00

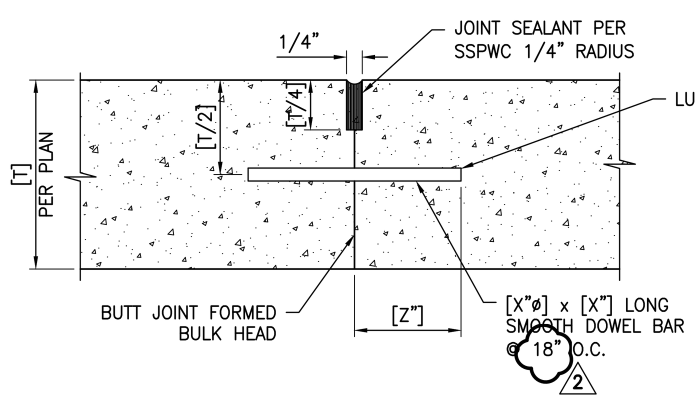
SCALE: AS INDICATED

11 ASPHALT CONCRETE OVERLAY JOIN DETAIL — N.T.S.

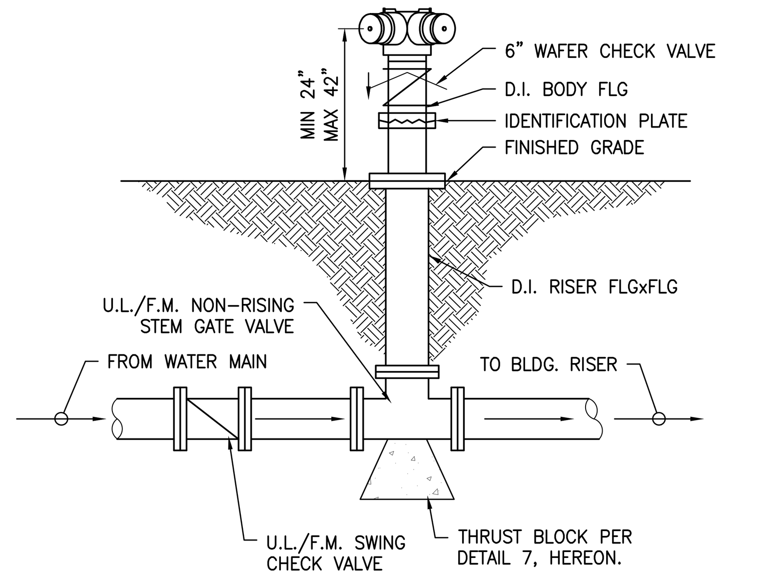


8 DOWELED CONSTRUCTION JOINT FOR (VEHICULAR PAVING ONLY) — N.T.S.

T in. (mm)	DOWEL DIAMETER X in. (mm)	DOWEL EMBEDMENT Z in. (mm)	TOTAL DOWEL LENGTH Y in. (mm)
6.0 (150)	3/4 (20)	5 (125)	14 (360)
6.5 (165)	7/8 (22)	5 (125)	14 (360)
7.0 (180)	1 (25)	6 (150)	16 (400)
7.5 (190)	1-1/8 (28)	7 (180)	16 (400)
≥ 8.0 (200)	1-1/4 (32)	8 (200)	17 (430)



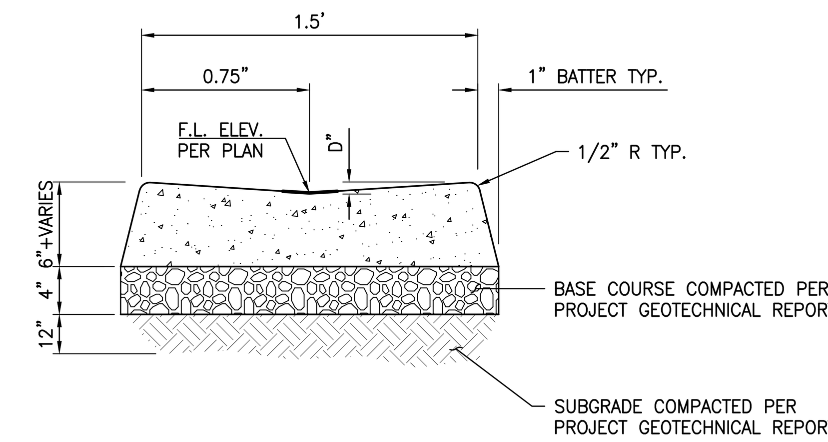
6 FIRE DEPARTMENT CONNECTION ASSEMBLY — N.T.S.



NOTES:

1. THE SYSTEM SHALL BE INSTALLED PER N.F.P.A. 13, 14, AND 24 (2013 ED.).
2. THE FDC IS CONCEPTUAL AND SHOWN FOR COORDINATION PURPOSES ONLY. THE CONTRACTOR SHALL COORDINATE THE FDC OUTLET CONFIGURATION WITH THE FIRE SPRINKLER DRAWINGS.
3. THE FDC SHALL BE PAINTED RED ON ANY EXPOSED SURFACES SUBJECT TO RUST OR CORROSION. COUPLING THREADS, OPERATION MECHANISMS, ANY COMPONENTS OR PORTION OF THE VALVE WHERE THE APPLICATION OF PAINT WOULD VIOLATE THE LISTING OR HINDER ITS OPERATION SHALL NOT BE PAINTED.
4. SIGN SHALL BE METAL, RAISED LETTERS MINIMUM 1" IN SIZE AND SHALL BE PERMANENTLY BANDED TO THE VALVE READING "FDC". SIGN SHALL BE ESCUTCHEON PLATE MARKING "AUTO SPKR." SIGN SHALL INDICATE THE STREET ADDRESS AND NAMES OF BUILDING SERVED. SIGNS SHALL BE PROVIDED AS OUTLINED IN THE LOS ANGELES COUNTY FIRE CODE, SECTION 912.5 SIGNS.

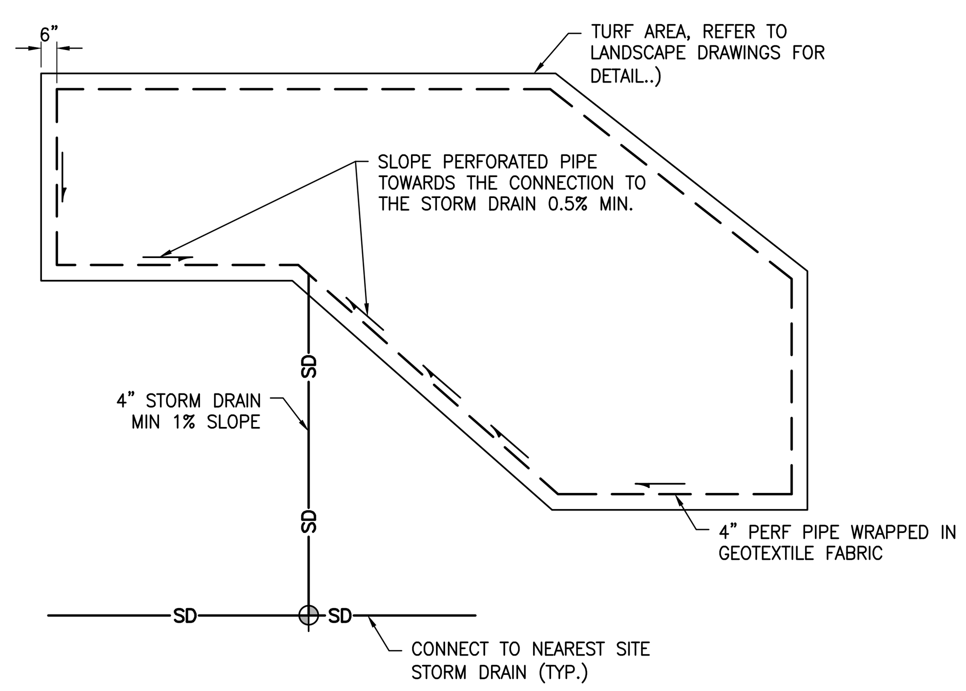
3 CONCRETE VALLEY GUTTER — N.T.S.



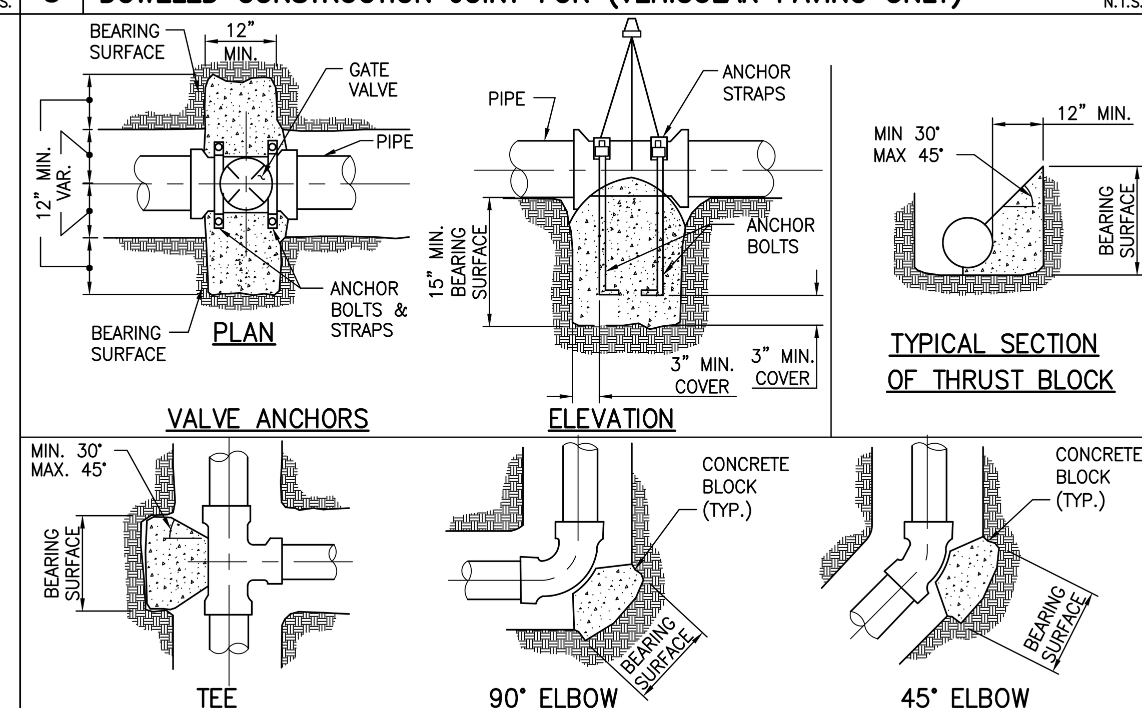
NOTES:

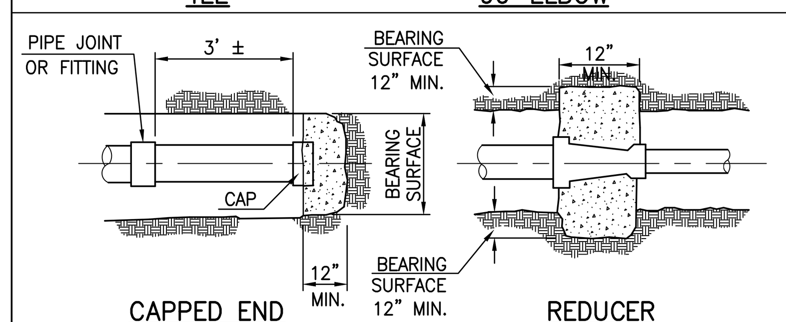
1. ISOLATION JOINTS SHALL BE PLACED ONLY AS SPECIFIED.
2. CONTROL JOINTS CONSISTING OF 1" DEEP SCORES SHALL BE PLACED AT 10' INTERVALS O.C.
3. CONCRETE SHOWN IS EXEMPT FROM BATCH PLANT INSPECTION PER CBC SECTION 1705A.3.3.2.

10 TYPICAL TURF AREA PERFORATED PIPE DETAIL — N.T.S.



7 THRUST AND ANCHOR BLOCK DETAILS — N.T.S.

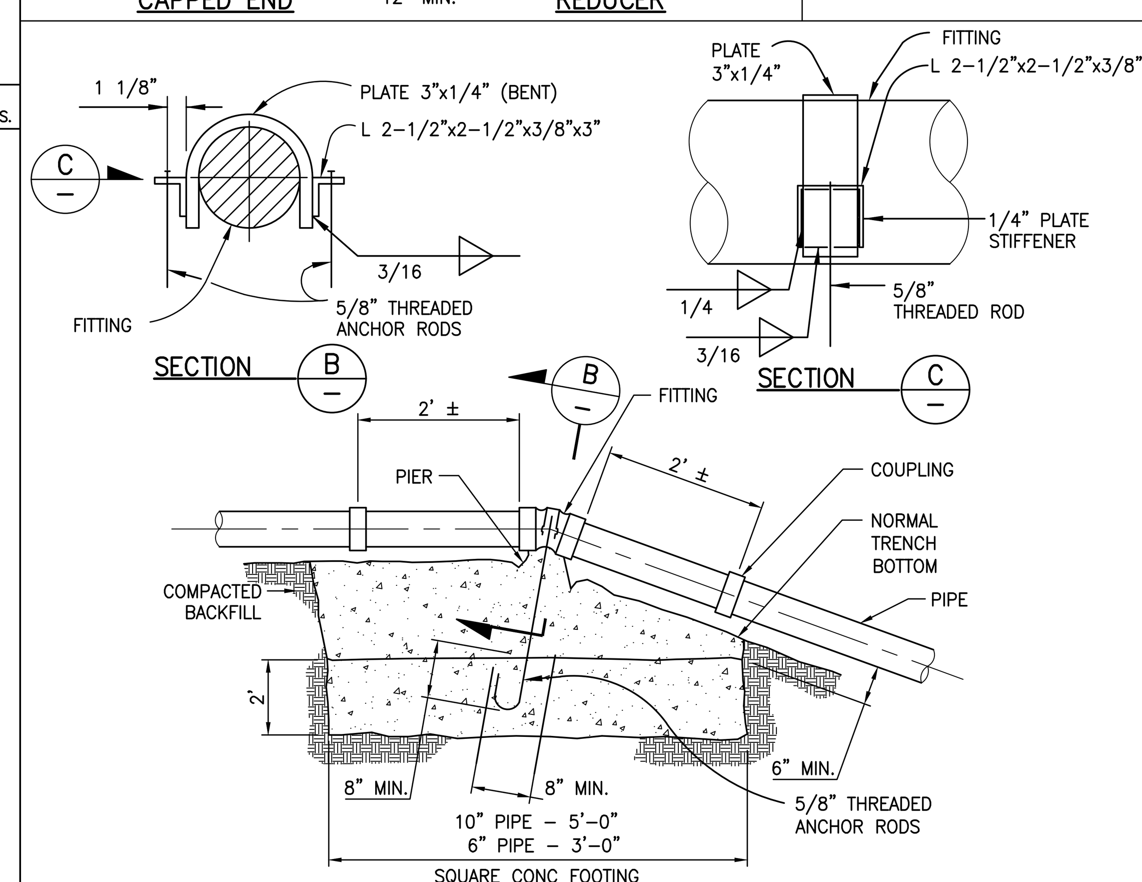




THRUST BLOCK BEARING AREAS – S.F.

MAIN SIZE	TEE*	BEND 90°	45°	22.5°	11.25°
4"	4	4	4	3	2
6"	4	6	4	3	2

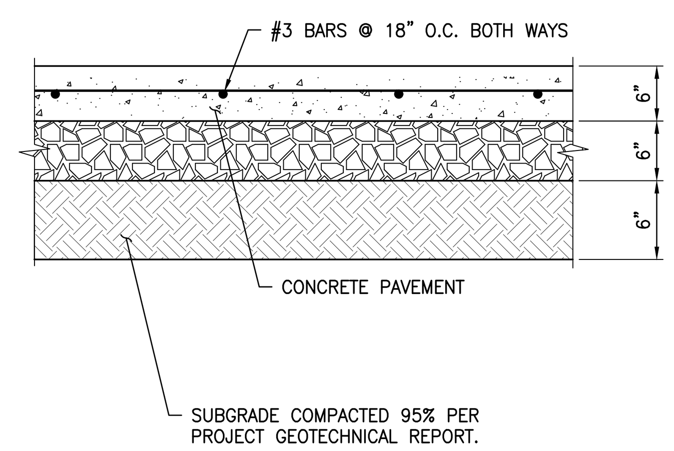
*INCLUDES TEES, PLUGS, CAPS, HYDRANTS & VALVES.



GENERAL NOTES:

1. ALL THRUST/ANCHOR BLOCKS SHALL BEAR AGAINST UNDISTURBED SOIL.
2. CONCRETE SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI.
3. ALL ANCHOR RODS AND ANCHOR BOLTS SHALL BE MINIMUM 5/8" DIA. & ANCHOR STRAPS SHALL BE 3"X1/4".
4. THRUST BLOCK DESIGN IS BASED ON A WATER PRESSURE OF 150 P.S.I., AND A MINIMUM ALLOWABLE SOIL BEARING VALUE OF 1500 P.S.F. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING SOIL BEARING VALUES AND THE POSITION AND SIZE OF BEARING AREAS, BASED UPON N.F.P.A. 24.
5. THE RATIO OF WIDTH TO HEIGHT OF THRUST BLOCKS SHALL NOT EXCEED 1.5 TO 1.

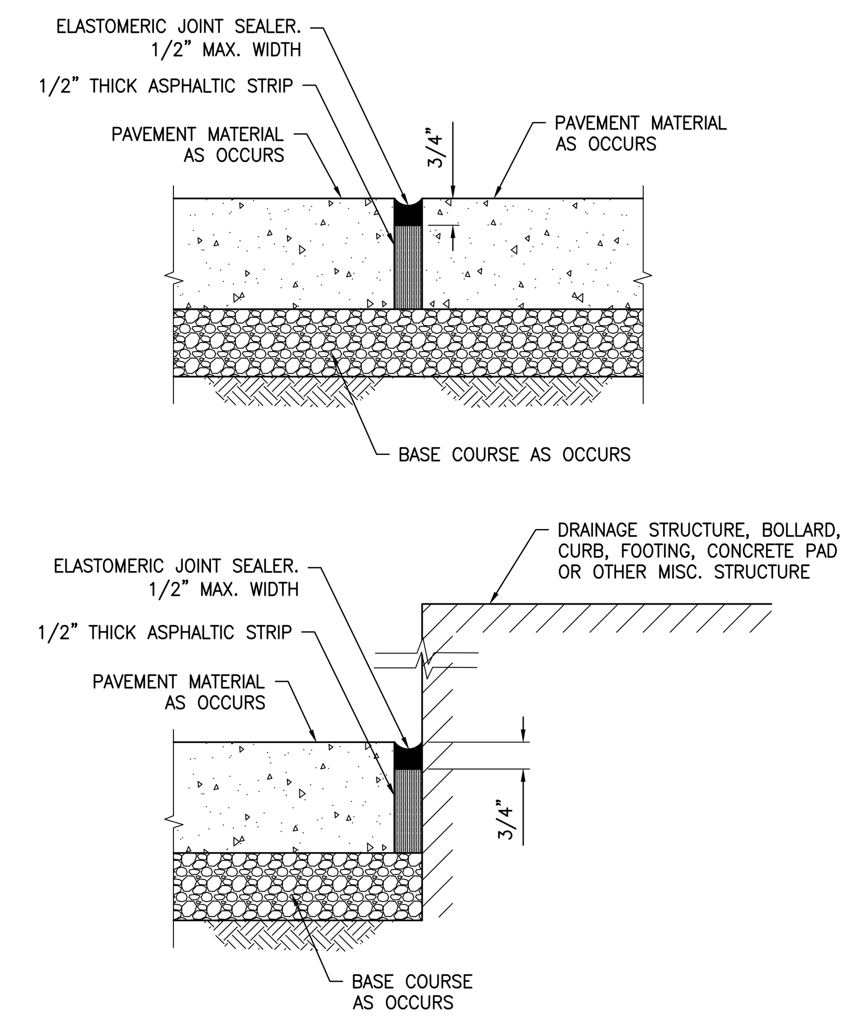
5 REINFORCED VEHICULAR CONCRETE PAVEMENT — N.T.S.



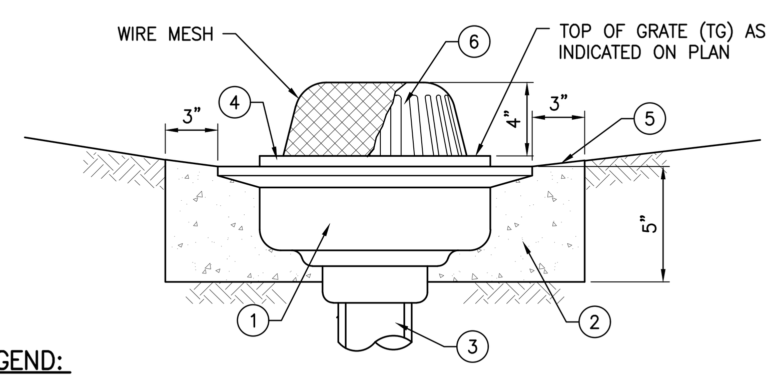
NOTES:

1. PAVEMENT SECTIONS ARE BASED ON RECOMMENDATIONS FROM THE PROJECT GEOTECHNICAL REPORT.
2. REFER TO ARCHITECTURAL PLANS FOR CONCRETE COLOR, PATTERN, TEXTURE, AND FINISH.
3. SEE PLAN FOR LOCATION OF CONTROL JOINTS.
4. ALL ROCKS LARGER THAN 3" IN DIMENSION SHALL BE REMOVED FROM SUBGRADE DURING PROCESSING, PER GEOTECHNICAL REPORT.
5. CONCRETE SHOWN IS EXEMPT FROM BATCH PLANT INSPECTION PER CBC SECTION 1705A.3.3.2.

2 ISOLATION JOINT/EXPANSION JOINT — N.T.S.



9 PLANTER DRAIN DETAIL — N.T.S.

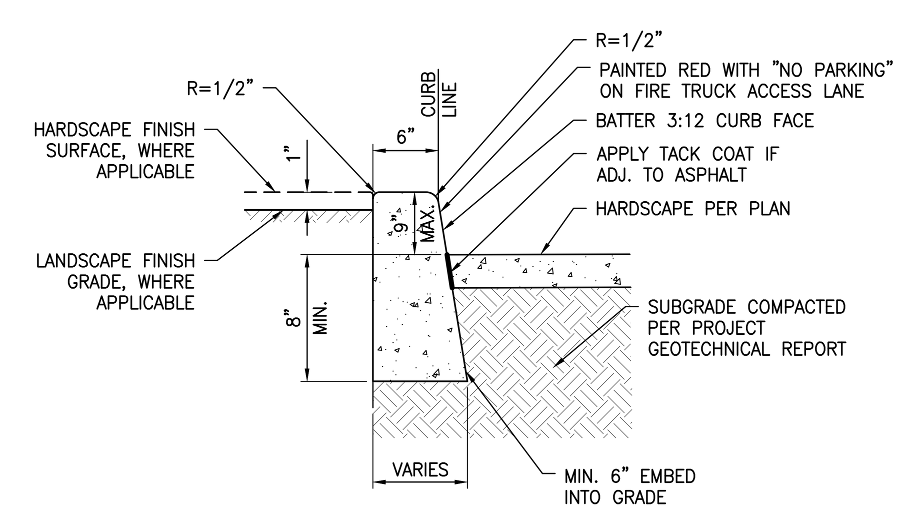


LEGEND:

1. GALVANIZED CAST IRON BODY AND GRATE AREA DRAIN.
2. 2,500 PSI PORTLAND CEMENT CONCRETE PAD (PAD MAY BE EITHER ROUND OR SQUARE IN PLAN VIEW).
3. OUTLET PIPE TO MATCH PIPE SIZE PER PLAN.
4. TOP OF DRAIN ELEVATION PER PLAN.
5. FINISH GRADE PER PLAN.
6. DOME TOP WHERE INDICATED ON PLAN (SEE TABLE BELOW)

SIZE	TYPE	ITEM DESCRIPTION	MODEL NO.	FREE AREA (SQ IN)
6" DIA.	DOME	JAY R. SMITH MFG. CO.	2671-U-G	25
6" DIA.	DOME	ZURN PLUMBING PRODUCTS	Z415-VP-G	12
12" DIA.	DOME	ZURN PLUMBING PRODUCTS	Z121-VP-G	78
12" DIA.	DOME	JAY R. SMITH MFG. CO.	2675-G	53

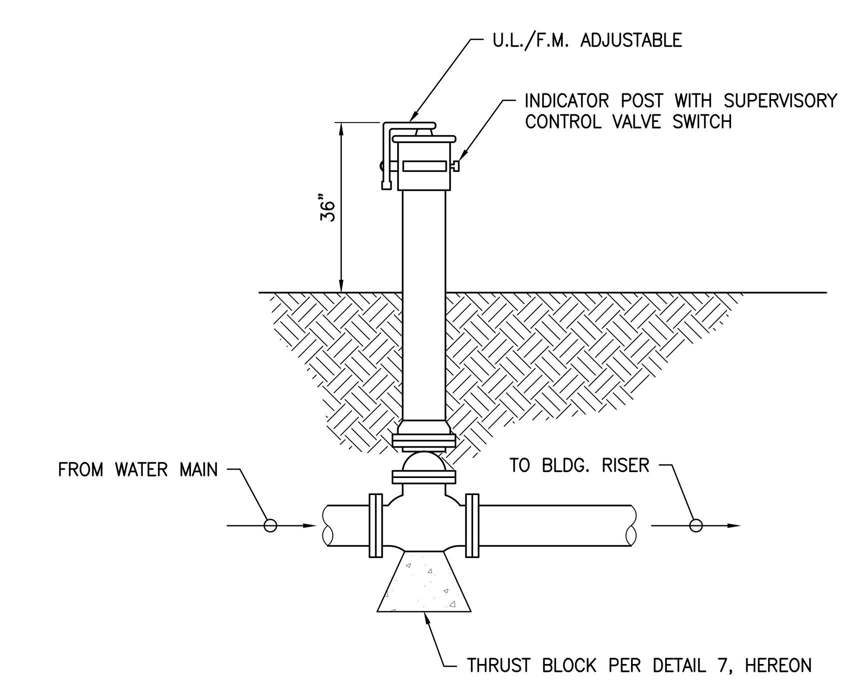
4 CONCRETE CURB — N.T.S.



NOTES:

1. ISOLATION JOINTS SHALL BE PLACED ONLY AS SPECIFIED.
2. CONTROL JOINTS CONSISTING OF 1" DEEP SCORES SHALL BE PLACED AT 10' INTERVALS O.C.
3. WHERE A WALK IS ADJACENT TO THE CURB, THE JOINTS SHALL ALIGN WITH JOINTS IN THE WALK.
4. CONCRETE SHOWN IS EXEMPT FROM BATCH PLANT INSPECTION PER CBC SECTION 1705A.3.3.2.

1 POST INDICATOR VALVE — N.T.S.



NOTES:

1. THE SYSTEM SHALL BE INSTALLED PER N.F.P.A. 24.
2. THE CONTRACTOR SHALL COORDINATE VALVE LAYOUT WITH FIRE SPRINKLER PLANS.

Practice

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LA CAÑADA UNIFIED SCHOOL DISTRICT — ESTABLISHED 1883

kpff — 700 South Flower Street Suite 2100 Los Angeles, CA 90017 O: 213.418.0201 www.kpff.com

REGISTERED PROFESSIONAL ENGINEER — R. DHUNG — No. C77744 — Exp. 6/30/27 — CIVIL — STATE OF CALIFORNIA

PARADISE CANYON E.S.

PACKAGE 5 - NEW NORTH BUILDINGS

471 KNIGHT WAY, LA CAÑADA FLINTRIDGE, CA 91011

PROJECT NUMBER 20911

LICENSED ARCHITECT — HARRY R DRAKE — NO. C-014869 — REN. 05-31-27 — STATE OF CALIFORNIA

ISSUE DATE	DESCRIPTION
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04/11/2025	50% CONSTRUCTION DOCUMENTS
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08/06/2025	DSA V1
12/05/2025	DSA V2
03/20/2026	DSA V3

#	REVISION DATE	DESCRIPTION
2	06/02/2026	ADDENDUM 3

DRAWING TITLE

DETAILS

5C5.01

SCALE: AS INDICATED

SLOPE INCLINATION	MAXIMUM SHEET FLOW LENGTH (FOR SLOPE INTERRUPTION)
< 4:1 (H:V)	20'
4:1–2:1 (H:V)	15'
> 2:1 (H:V)	10'

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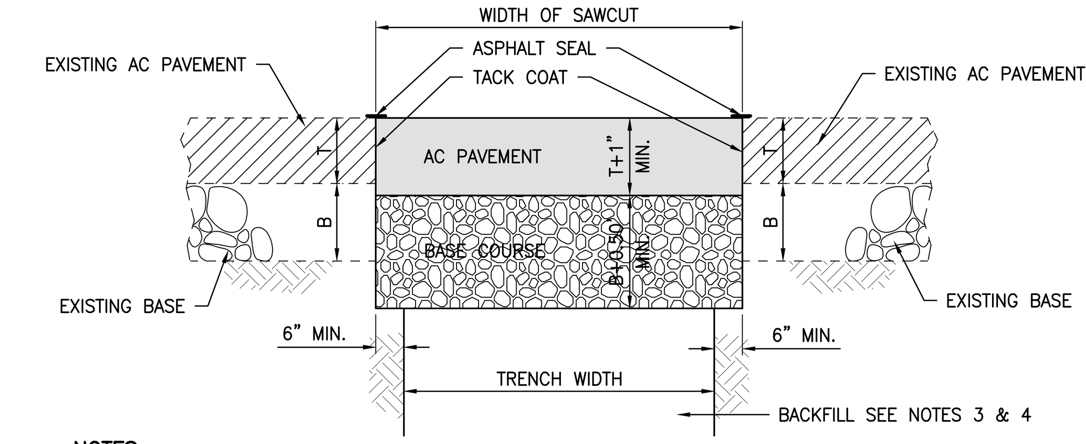
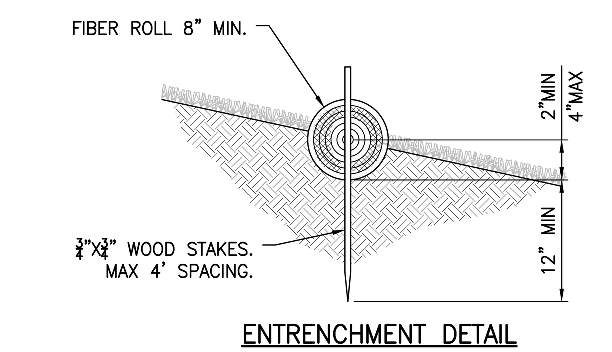


NOTES:

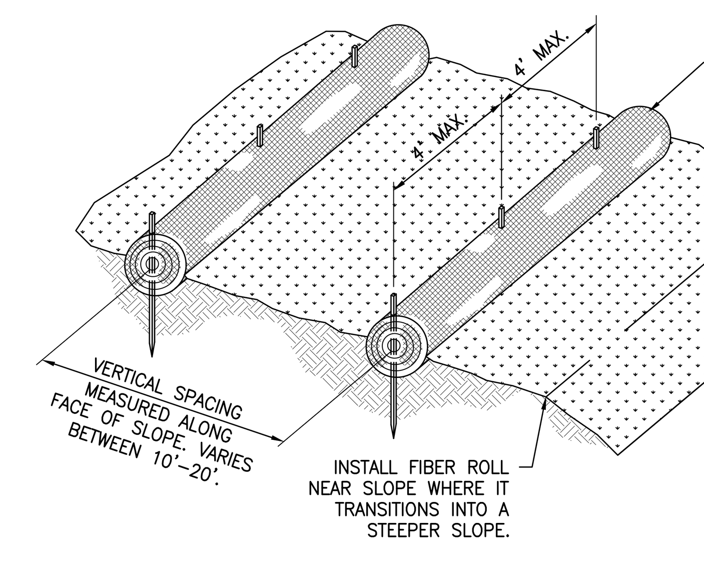
1. DURING EXCAVATION AND SUBGRADE PREPARATION, THE CONTRACTOR SHALL TAKE ALL NECESSARY STEPS TO ENSURE THE PROTECTION OF ALL IMPROVEMENTS, WHETHER PUBLIC OR PRIVATE, INCLUDING UTILITIES AND THEIR SERVICES, FROM ANY DAMAGE THAT COULD OCCUR DUE TO CONTRACTOR'S CONSTRUCTION ACTIVITIES.
2. BACKFILL AND DENSIFICATION SHALL BE DONE IN CONFORMANCE WITH SUBSECTION 306-1.3 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION LATEST EDITION, EXCEPT AS FOLLOWS:

   A) IF NOT OTHERWISE SPECIFIED, TRENCH BACKFILL SHALL BE DENSIFIED TO A MINIMUM OF 90 PERCENT RELATIVE COMPACTION.
3. TEMPORARY PAVEMENT RESURFACING SHALL BE PLACED AT THE CONTRACTOR'S EXPENSE, UNLESS OTHERWISE SPECIFIED BY THE ENGINEER. IT SHALL BE PLACED LEVEL WITH THE EXISTING PAVEMENT ON COMPACTED TRENCH BACKFILL, SHALL BE A MINIMUM OF 2" THICK, AND PLACED PER SSPWC 306-1.5.1.
4. PERMANENT PAVEMENT RESURFACING SHALL BE DONE WITHIN TWO (2) WEEKS AFTER BACKFILLING OF TRENCHES HAS BEEN COMPLETED, ONLY AFTER SETTLEMENT HAS TAKEN PLACE AND THE FILL SURFACE HAS SUFFICIENTLY DRIED. ALL CUTS SHALL BE GROOMED CLEAN AND STRAIGHT.
5. CONTACT SURFACES OF EXISTING PAVEMENT, MANHOLE FRAMES AND SHAFTS AND CONCRETE SURFACES SHALL HAVE A TACK COATING APPLIED BEFORE PERMANENT ASPHALT RESURFACING IS PLACED.
6. ASPHALT CONCRETE PAVEMENT SHALL BE AS SPECIFIED.

6 ASPHALT CONCRETE PAVEMENT TRENCH RESURFACING N.T.S.



ENTRENCHMENT DETAIL
N.T.S.



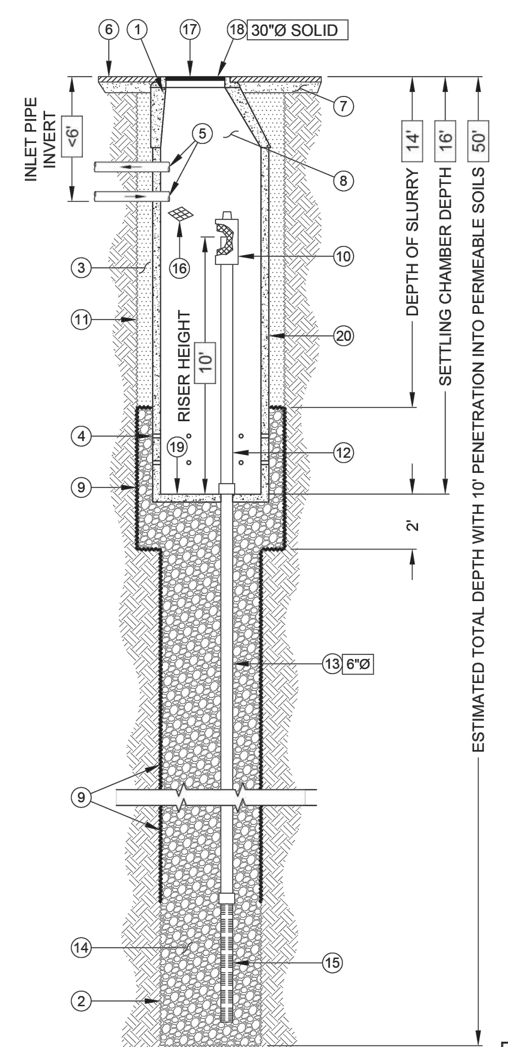
NOTE:

INSTALL FIBER ROLL ALONG A LEVEL CONTOUR, PERPENDICULAR TO WATER MOVEMENT.

TYPICAL FIBER ROLL INSTALLATION DETAIL
N.T.S.

3 FIBER ROLL N.T.S.

The MaxWell® IV
DRAINAGE SYSTEM DETAILS AND SPECIFICATIONS
Paradise Canyon Elementary Ph 5
DW 1



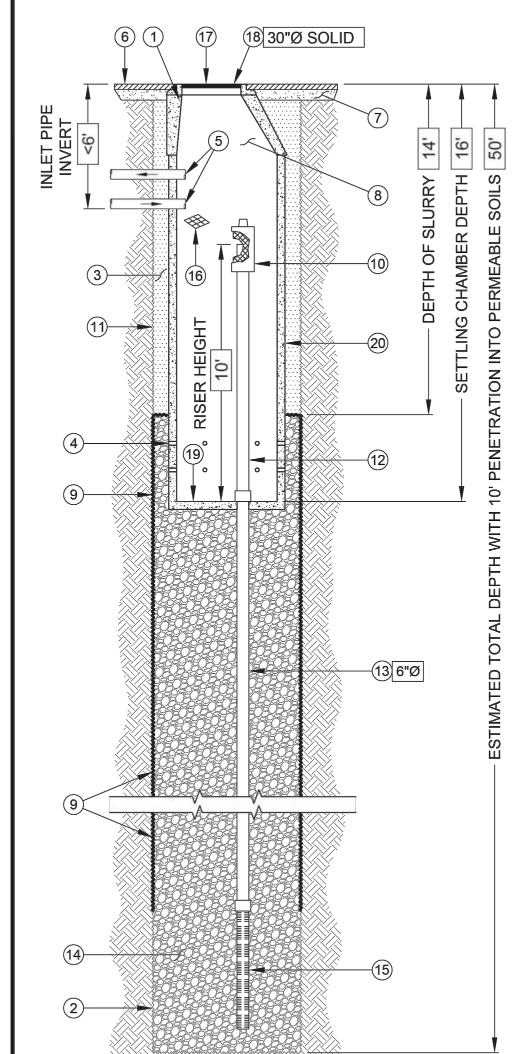
ITEM NUMBERS
1. MANHOLE CONE - MODIFIED FLAT BOTTOM.
2. MIN 4' Ø DRILLED SHAFT.
3. STABILIZED BACKFILL - TWO-SACK SLURRY MIX.
4. 6 PERFORATIONS MINIMUM PER ROW, 2 ROWS MINIMUM.
5. INLET PIPE/OUTLET PIPE (BY OTHERS). SEE SEPARATE PLAN FOR INVERT ELEVATIONS.
6. GRADED BASIN OR PAVING (BY OTHERS).
7. COMPACTED BASE MATERIAL, IF REQUIRED (BY OTHERS).
8. FREEBOARD DEPTH VARIES WITH INLET PIPE ELEVATION. INCREASE SETTLING CHAMBER DEPTH AS NEEDED TO MAINTAIN ALL INLET PIPE ELEVATIONS ABOVE RISER PIPE.
9. NON-WOVEN GEOTEXTILE SLEEVE - MIRAFI 140 NL. MIN. 6 FT Ø. HELD APPROX. 10 FEET OFF THE BOTTOM OF EXCAVATION.
10. PUREFLO® DEBRIS SHIELD - ROLLED 16 GA. STEEL X 24" LENGTH WITH VENTED ANTI-SIPHON AND INTERNAL 0.265" MAX. SWO FLATTENED EXPANDED STEEL SCREEN X 12" LENGTH. FUSION BONDED EPOXY COATED.
11. MIN. 6' Ø DRILLED SHAFT.
12. RISER PIPE - SCH. 40 PVC MATED TO DRAINAGE PIPE AT BASE SEAL.
13. DRAINAGE PIPE - ADS HIGHWAY GRADE OR SCH. 40 PVC WITH TRI-A COUPLER. SUSPEND PIPE DURING BACKFILL OPERATIONS. DIAMETER AS NOTED.
14. ROCK - WASHED, SIZED BETWEEN 3/8" AND 1-1/2".
15. FLOFAST® DRAINAGE SCREEN - SCH. 40 PVC 0.120" SLOTTED WELL SCREEN WITH MIN. 32 SLOTS PER ROW/FT. OVERALL LENGTH VARIES, UP TO 120" WITH TRI-B COUPLER.
16. ABSORBENT - HYDROPHOBIC PETROCHEMICAL SPONGE. MIN. 128 OZ. CAPACITY. TYPICAL, 2 PER CHAMBER.
17. FABRIC SEAL - U.V. RESISTANT GEOTEXTILE - TO BE REMOVED BY CUSTOMER AT PROJECT COMPLETION. GRATED ONLY.
18. BOLTED RING & GRATE/COVER - DIAMETER & TYPE AS SHOWN. CLEAN CAST IRON WITH WORDING "STORM WATER ONLY" IN RAISED LETTERS. BOLTED IN 2 LOCATIONS AND SECURE TO CONE WITH MORTAR. RIM ELEVATION ±0.02' OF PLANS.
19. BASE SEAL - CONCRETE SLURRY.
20. PRE-CAST LINER - 4000 PSI CONCRETE 48" ID. X 54" OD. CENTER IN HOLE AND ALIGN SECTIONS TO MAXIMIZE BEARING SURFACE.

NOTE: DETAIL TO BE USED IN CONJUNCTION WITH THE MAXWELL SIZING SUMMARY. ANY CHANGES TO THE SYSTEM WILL REQUIRE APPROVAL FROM THE CIVIL ENGINEER ON RECORD AND UPDATED SIZING FROM TORRENT RESOURCES.

TorrentResources A CRH COMPANY
WWW.TORRENTRESOURCES.COM
Installing MaxWells SINCE 1972
909-829-0740

DETAIL: IV-4-SS-CA	REVISED BY: AB	
DRAWN ON: 04-07-25	REVISED DATE: 07-30-25	SCALE: N.T.S

The MaxWell® IV
DRAINAGE SYSTEM DETAILS AND SPECIFICATIONS
Paradise Canyon Elementary Ph 5
DW 2



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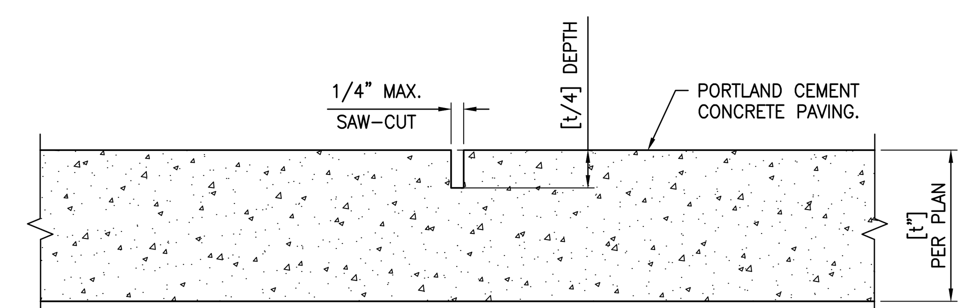
TorrentResources A CRH COMPANY
WWW.TORRENTRESOURCES.COM
Installing MaxWells SINCE 1972
909-829-0740

DETAIL: IV-6-SS-CA	REVISED BY: AB	
DRAWN ON: 04-07-25	REVISED DATE: 07-30-25	SCALE: N.T.S

8 MAXWELL IV DRYWELL N.T.S.

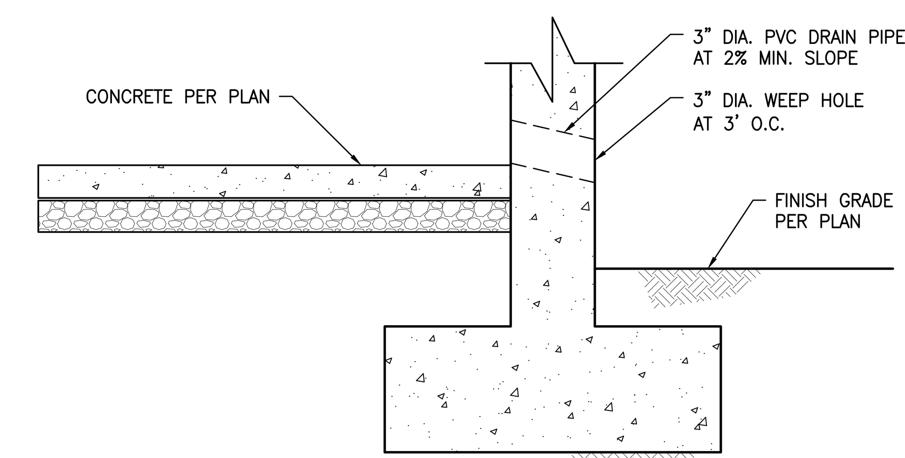


SAWCUT CONTROL JOINT

NOTES:

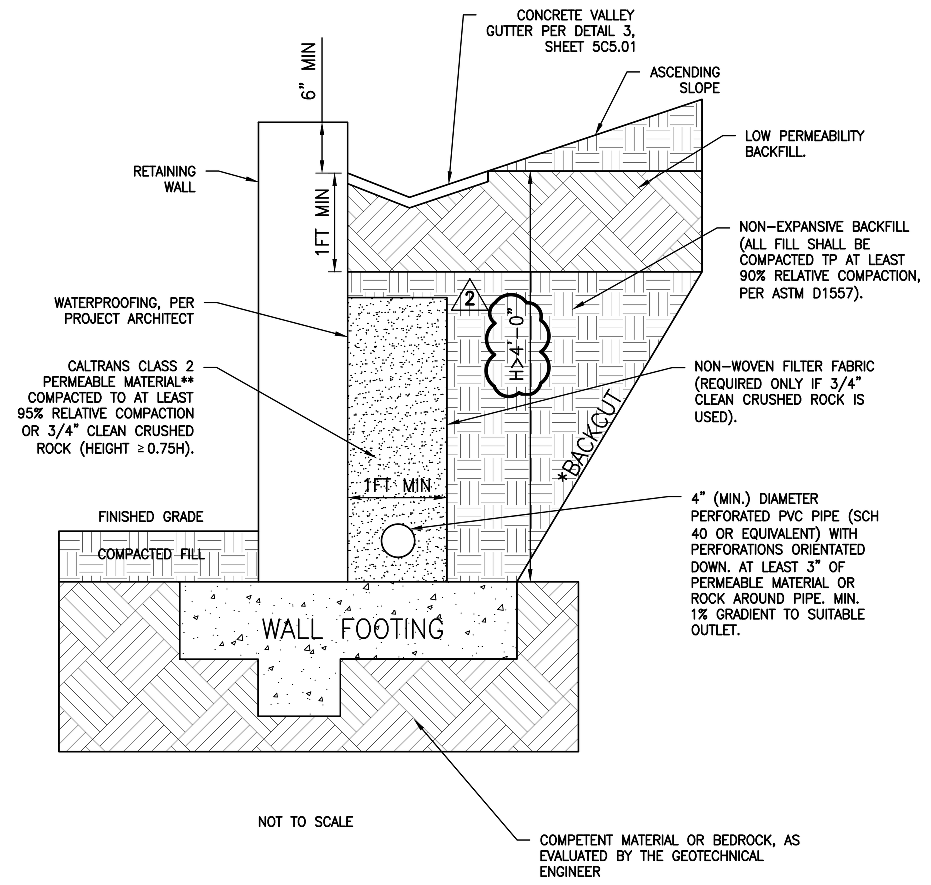
1. CONTROL JOINTS SHALL BE CONSTRUCTED PER S.S.P.W.C.
2. CONSTRUCT CONTROL JOINTS WITHIN 24 HOURS OF POUR.
3. SEE PLAN FOR LOCATION OF CONTROL JOINTS.

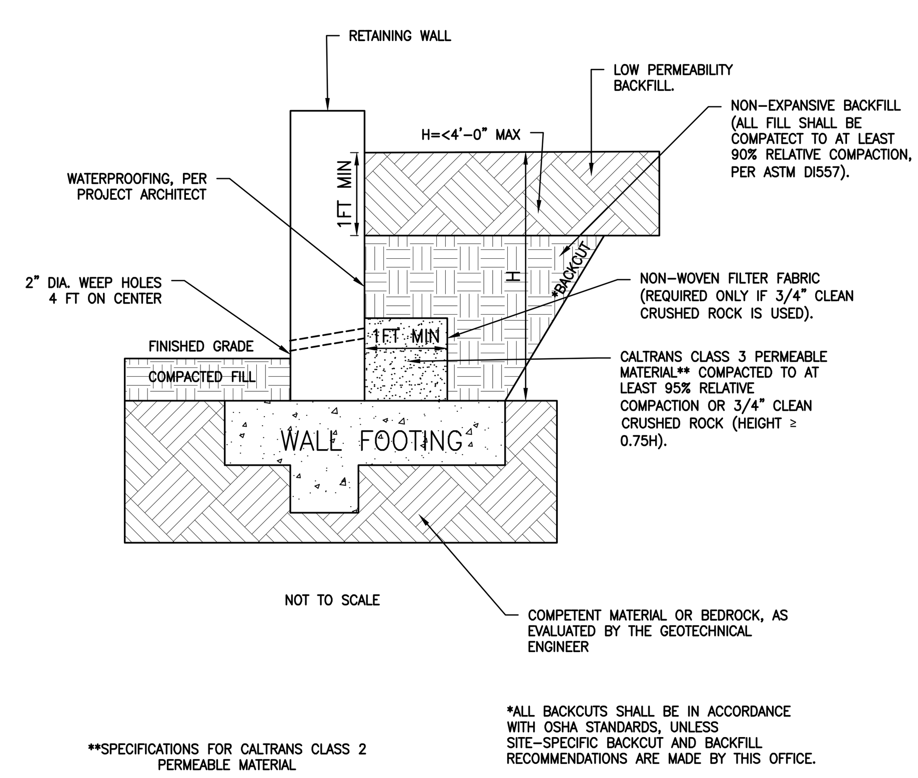
5 CONTROL JOINT FOR CONCRETE PAVEMENT N.T.S.



2 WEEPHOLE N.T.S.

FREEBOARD AND SWALE DRAINAGE RECOMMENDATIONS





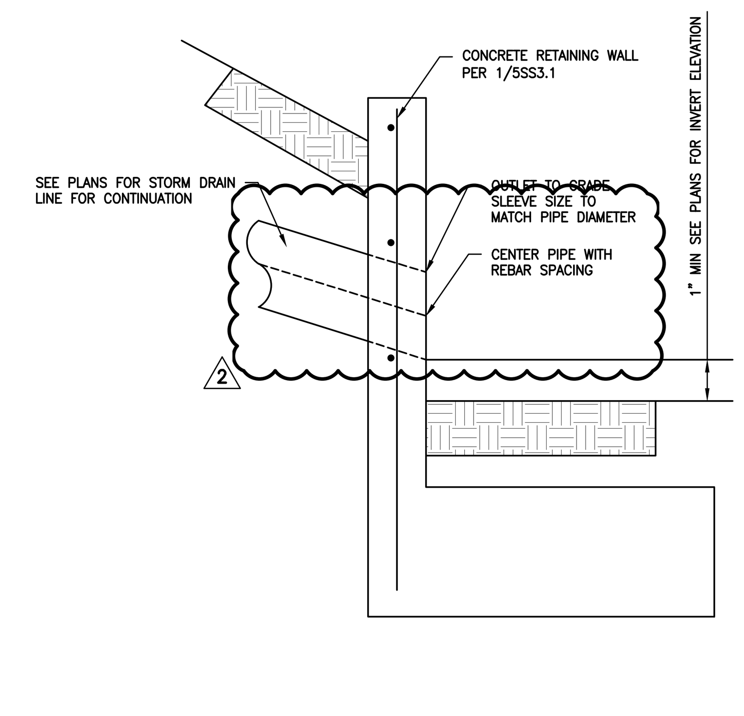
**SPECIFICATIONS FOR CALTRANS CLASS 2 PERMEABLE MATERIAL

*ALL BACKCUTS SHALL BE IN ACCORDANCE WITH OSHA STANDARDS, UNLESS SITE-SPECIFIC BACKCUT AND BACKFILL RECOMMENDATIONS ARE MADE BY THIS OFFICE.

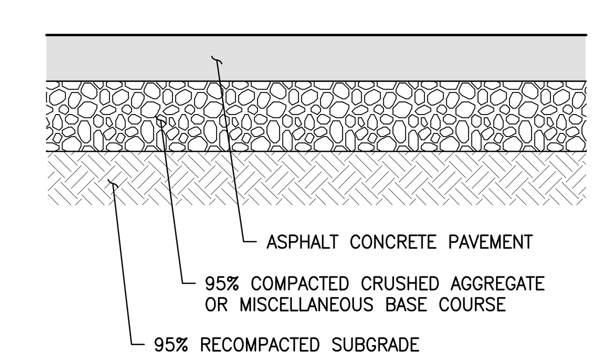
NOTES:

1. REFER TO THE GEOTECHNICAL REPORT BLDG C D E & F AND STRUCTURAL DRAWINGS FOR MORE DETAILS.
2. FOR GEOTECHNICAL RECOMMENDATIONS, PLEASE REFERENCE THE REVISED RETAINING WALL DRAINAGE RECOMMENDATIONS FILE

7 WALL DRAINAGE N.T.S.



4 STORM DRAIN DAYLIGHT N.T.S.



TRAFFIC INDEX (TI)	PAVEMENT SECTION (THICKNESS IN INCHES)	
	ASPHALT CONCRETE	BASE COURSE
~~4~~	~~3.0~~	~~4.5~~
~~5~~	~~3.0~~	~~5.5~~
~~6~~	~~4.0~~	~~7.0~~
7	4.5	8.5

NOTE:
1. PAVEMENT SECTIONS ARE BASED ON RECOMMENDATIONS FROM THE PROJECT GEOTECHNICAL REPORT.

1 ASPHALT PAVEMENT SECTION N.T.S.

PROFESSIONAL ENGINEER No. C77744 Exp. 6/30/27 CIVIL STATE OF CALIFORNIA

PARADISE CANYON E.S.
PACKAGE 5 - NEW NORTH BUILDINGS
471 KNIGHT WAY, LA CAÑADA FLINTRIDGE, CA 91011

PROJECT NUMBER 20911

LICENSED ARCHITECT HARRY R DRAKE NO. C-014869 REN. 05-31-27 STATE OF CALIFORNIA

ISSUE DATE	DESCRIPTION
04/19/2024	100% SCHEMATIC DESIGN
07/05/2024	50% DESIGN DEVELOPMENT
08/16/2024	100% DESIGN DEVELOPMENT
04/11/2025	50% CONSTRUCTION DOCUMENTS
07/18/2025	100% CONSTRUCTION DOCUMENTS
08/06/2025	DSA V1
12/05/2025	DSA V2
03/20/2026	DSA V3

#	REVISION DATE	DESCRIPTION
2	06/02/2026	ADDENDUM 3

DRAWING TITLE
DETAILS

5C5.02

SCALE: AS INDICATED

P:\2020\2000742 Paradise Canyon ES Modernization\5 CAD\Sheets\New North Buildings\2000742-C-5.02DT.dwg, Jun 02, 2026 - 3:06pm

If this sheet is smaller than 30" high by 42" wide then it has been reduced.