GENERAL NOTES & PROJECT DIRECTORY
G0.01i1
FOR BLUEBEAM LABELINGDOCR:

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1"

SHAMROCK HILLS SCHOOL INCREMENT 1

DUBLIN UNIFIED SCHOOL DISTRICT

5500 HORIZON PKWY, DUBLIN, CA 94568

1. THESE DRAWINGS DO NOT CONTAIN THE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY.

2. LOCATIONS OF ALL UTILITIES SHOWN ARE APPROXIMATE AND CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN EXCAVATING AND TRENCHING ON THIS SITE TO AVOID INTERCEPTING EXISTING PIPING OR CONDUITS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES WHETHER SHOWN HEREON OR NOT AND TO PROTECT THEM FROM DAMAGE. THE ARCHITECT IS NOT RESPONSIBLE FOR THE LOCATION OF UNDERGROUND UTILITIES OR STRUCTURES WHETHER OR NOT SHOWN OR DETAILED AND INSTALLED BY ANY OTHER CONTRACT. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT SHOULD ANY UNIDENTIFIED CONDITIONS BE DISCOVERED. THE CONTRACTOR SHALL BEAR ALL EXPENSE OF REPAIR OR REPLACEMENT OF UTILITIES OR OTHER PROPERTY DAMAGED BY OPERATIONS IN CONJUNCTION WITH THE EXECUTION OF THIS WORK.

3. THESE DOCUMENTS AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, ARE THE PROPERTY OF PBK ARCHITECTS, INC., AND ARE NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF PBK ARCHITECTS, INC.

4. THE WORK SHOWN ON THESE DRAWINGS AS EXISTING CONDITIONS WAS PREPARED FROM INFORMATION FURNISHED BY THE OWNER. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, PBK ARCHITECTS, INC. IS NOT RESPONSIBLE FOR THE ACCURACY OR ADEQUACY OF ANY WORK SHOWN AS EXISTING NOR IS PBK ARCHITECTS, INC. RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY HAVE BEEN INCORPORATED INTO THESE DRAWINGS AS A RESULT.

5. EACH BIDDER SHALL POSSESS AT THE TIME OF BID A CLASS B OR THE APPROPRIATE CLASS C CONTRACTOR'S LICENSE PURSUANT TO PUBLIC CONTRACT CODE SECTION 3300 AND BUSINESS AND PROFESSIONS CODE SECTION 7028.15. THE SUCCESSFUL BIDDER MUST MAINTAIN THE LICENSE THROUGHOUT THE DURATION OF THIS CONTRACT.

6. FIRE SAFETY DURING CONSTRUCTION

A. GENERAL: FIRE SAFETY DURING CONSTRUCTION SHALL COMPLY WITH CALIFORNIA FIRE CODE (CFC) CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 9, CHAPTER 5 AND CHAPTER 33.

B. ACCESS ROADS: FIRE DEPARTMENT ACCESS ROADS SHALL BE ESTABLISHED AND MAINTAINED IN ACCORDANCE WITH CHAPTER 5, SECTION 501.4 AND CHAPTER 33, SECTION 3310.

C. WATER SUPPLY: WATER MAINS AND HYDRANTS SHALL BE OPERATIONAL IN ACCORDANCE WITH CHAPTER 5, SECTION 501.4 AND CHAPTER 33, SECTION 3312.

D. BUILDING ACCESS: ACCESS TO BUILDINGS FOR THE PURPOSE OF FIREFIGHTING SHALL BE PROVIDED. CONSTRUCTION MATERIAL SHALL NOT BLOCK ACCESS TO BUILDINGS, HYDRANTS, OR FIRE APPLIANCES.

E. ALTERATIONS OF BUILDINGS: SHALL COMPLY WITH APPLICABLE PROVISIONS OF CHAPTER 33.

F. DEMOLITION OF BUILDINGS: SHALL COMPLY WITH APPLICABLE PROVISIONS OF CBC CHAPTER 33.

G. FIRE WATCH: MAINTAIN FIRE WATCH WHEN REQUIRED BY THE BUILDING OFFICIAL AND WHEN EXISTING FIRE PROTECTION SYSTEMS ARE SHUT DOWN FOR ALTERATIONS IN ACCORDANCE WITH CHAPTER 33, SECTION 3304.5. FIRE WATCH SHALL REMAIN IN EFFECT UNTIL EXISTING FIRE PROTECTION SYSTEMS ARE RETURNED TO SERVICE OR AS ALLOWED BY THE BUILDING OFFICIAL.

7. PENETRATIONS TO FIRE RATED MATERIALS OR ASSEMBLIES SHALL BE RESTORED TO EQUAL RATING. FIRE STOP SYSTEMS AS LISTED BY UNDERWRITERS LABORATORIES SHALL BE INSTALLED PER FIRE RESISTANCE DIRECTORY. FIRE STOP SYSTEMS SHALL BE AS SPECIFIED.

8. NONRESIDENTIAL ENERGY STANDARDS COMPLIANCE STATEMENT (TITLE 24, PART 6):

THE DESIGN INDICATED HEREIN COMPLIES WITH THE REQUIREMENTS OF THE ENERGY CONSERVATION STANDARDS OF TITLE 24, PART 6, CALIFORNIA CODE OF REGULATIONS. THE PROPOSED BUILDING(S) WILL BE IN COMPLIANCE WITH THE ENERGY CONSERVATION STANDARDS PROVIDED IT (THEY) IS (ARE) BUILT ACCORDING TO THESE DRAWINGS AND SPECIFICATIONS AND PROVIDED ANY FUTURE IMPROVEMENTS ARE COMPLETED ACCORDING TO THE REQUIREMENTS OF TITLE 24, PART 6, CALIFORNIA CODE OF REGULATIONS. THESE PLANS AND SPECIFICATIONS HAVE BEEN PREPARED TO INCLUDE ALL SIGNIFICANT ENERGY CONSERVATION FEATURES REQUIRED FOR COMPLIANCE WITH THE STANDARDS. BUILDING AREAS THAT ARE UNCONDITIONED AND/OR NOT SUBJECT TO THE STANDARDS ARE INDICATED ON THE PLANS.

ENVELOPE MANDATORY MEASURES:

A. INSTALLED INSULATING MATERIALS SHALL HAVE BEEN CERTIFIED BY THE MANUFACTURER TO COMPLY WITH THE CALIFORNIA QUALITY STANDARDS FOR INSULATING MATERIAL.

B. ALL INSULATING MATERIALS SHALL BE INSTALLED IN COMPLIANCE WITH THE FLAME SPREAD RATING AND SMOKE DENSITY REQUIREMENTS OF TITLE 24, PART 2, CALIFORNIA CODE OF REGULATIONS, SECTIONS 720 AND 2603.

C. ALL EXTERIOR JOINTS AND OPENINGS IN THE BUILDING ENVELOPE THAT ARE POTENTIAL AND OBSERVABLE SOURCES OF AIR LEAKAGE SHALL BE CAULKED, GASKETED, WEATHERSTRIPPED, OR OTHERWISE SEALED.

D. SITE CONSTRUCTED DOORS, WINDOWS, AND SKYLIGHTS SHALL BE CAULKED BETWEEN THE UNIT AND THE BUILDING, AND SHALL BE WEATHERSTRIPPED (EXCEPT FOR UNFRAMED GLASS DOORS AND FIRE DOORS).

E. MANUFACTURED DOORS AND WINDOWS INSTALLED SHALL HAVE AIR INFILTRATION RATES CERTIFIED BY THE MANUFACTURER IN ACCORDANCE WITH TITLE 24, PART 6, CALIFORNIA CODE OF REGULATIONS, SECTION 110.6.

F. MANUFACTURED FENESTRATION PRODUCTS IN THE ENVELOPE OF THE BUILDING, INCLUDING, BUT NOT LIMITED TO, WINDOWS, SLIDING GLASS DOORS, FRENCH DOORS, SKYLIGHTS, CURTAIN WALLS, AND GARDEN WINDOWS MUST BE LABELED FOR U-VALUE & SHGC IN ACCORDANCE WITH THE (NFRC) NATIONAL FENESTRATION RATING COUNCIL'S INTERIM U-VALUE & SHGC RATING PROCEDURE.

G. DEMISING R-19 WALL INSULATION SHALL BE INSTALLED IN ALL OPAQUE PORTIONS OF FRAMED WALLS (EXCEPT DOORS).

9. DEFERRED APPROVAL ITEMS:

INSTALLATION OF DEFERRED APPROVAL ITEMS SHALL NOT BE STARTED UNTIL DETAILED PLANS, SPECIFICATIONS, AND ENGINEERING CALCULATIONS HAVE BEEN ACCEPTED AND SIGNED BY THE ARCHITECT OR ENGINEER IN GENERAL RESPONSIBLE CHARGE OF DESIGN AND SIGNED BY A CALIFORNIA REGISTERED ARCHITECT OR PROFESSIONAL ENGINEER WHO HAS BEEN DELEGATED RESPONSIBILITY COVERING THE WORK SHOWN ON A PARTICULAR PLAN OR SPECIFICATION AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT.

DEFFERED APPROVAL ITEMS SHALL BE SUBMITTED FOR REVIEW NO LATER THAN 60 DAYS AFTER THE NOTICE TO PROCEED.

DEFERRED APPROVAL ITEMS FOR THIS PROJECT ARE THE FOLLOWING ITEMS:
INC 1:
NONE
INC 2:
A. ELEVATORS
B. TELESCOPIC BLEACHERS
C. TRANSLUCENT WALL PANELS

10. PROOF LOAD TESTS FOR EXPANSION TYPE ANCHOR BOLTS:

A. PROVISIONS PER STRUCTURAL NOTES ON SHEET S0.00

B. TESTING SHOULD OCCUR 24 HOURS MINIMUM AFTER INSTALLATION OF THE SUBJECT ANCHORS.

C. ALL BOLTS MUST HAVE ICC/ES APPROVAL.

D. ALL ANCHOR BOLTS OF THE EXPANSION TYPE INSTALLED IN CONCRETE PER NOTES ON SHEET S0.00

11. POWDER-DRIVEN CONCRETE FASTENERS:

A. GENERAL: USE OF POWDER-DRIVEN CONCRETE FASTENERS FOR TENSION LOADS IS LIMITED TO SUPPORT OF MINOR LOADS LIKE ACOUSTICAL CEILINGS, DUCT WORK, CONDUIT.

B. PROVISIONS PER STRUCTURAL NOTES ON SHEET S0.01 - GENERAL NOTES

12. SPECIFICATIONS FOR AUTOMATIC END WELDED STUDS

A. MATERIAL: AUTOMATIC END WELDED PER STRUCTURAL DRAWINGS SHEETS S0.01 - GENERAL NOTES

B. INSTALLATION: THE STUDS SHALL BE AUTOMATICALLY END WELDED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS IN SUCH A MANNER AS TO PROVIDE COMPLETE FUSION BETWEEN THE END OF THE STUD AND THE PLATE. THERE SHOULD BE NO POROSITY OR EVIDENCE OF LACK OF FUSION BETWEEN THE WELDED END OF THE STUD AND THE PLATE. THE STUD SHALL DECREASE IN LENGTH DURING WELDING APPROXIMATELY 1/8" FOR 5/8" AND UNDER, AND 3/16" FOR OVER 5/8" DIAMETER. WELDING SHALL BE DONE ONLY BY QUALIFIED WELDERS APPROVED BY THE WELDING INSPECTOR.

C. INSPECTION AND TESTS: INSPECTION, IN ACCORDANCE WITH TITLE 24, PART 2, SECTION 2213A.2. ALL THE SHOP AND FIELD WELDING OPERATIONS FOR THE AUTOMATIC END WELDED STUDS SHALL BE MADE BY A QUALIFIED WELDING INSPECTOR (APPROVED BY THE DIVISION OF THE STATE ARCHITECT). THE TYPE AND CAPACITY OF THE WELDING EQUIPMENT SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND SHALL BE CHECKED AND APPROVED BY A WELDING INSPECTOR.

D. AT THE BEGINNING OF EACH DAY'S WORK, A MINIMUM OF TWO TEST STUD WELDS SHALL BE MADE WITH THE EQUIPMENT TO BE USED TO METAL WHICH IS THE SAME AS THE ACTUAL WORK PIECE. THE TEST STUDS SHALL BE SUBJECTED TO A 90° BEND TEST BY STRIKING THEM WITH A HEAVY HAMMER. AFTER THE ABOVE TEST, THE WELD SECTION SHALL NOT EXHIBIT ANY TEARING OUT OR CRACKING.

13. INSPECTOR OF RECORD REQUIREMENTS

A. ONE OR MORE INSPECTORS EMPLOYED BY THE OWNER IN ACCORDANCE WITH THE REQUIREMENTS OF TITLE 24 OF THE CALIFORNIA CODE OF REGULATIONS WILL BE ASSIGNED TO THE WORK. THE INSPECTOR'S DUTIES ARE SPECIFICALLY DEFINED IN SECTION 4-342 OF SAID TITLE 24, PART 1 AND IN ADDITION SHALL BE AS STIPULATED IN INTERPRETATION OF REGULATION DOCUMENT IR A-8.

B. INSPECTOR SHALL BE CERTIFIED AS A CLASS [1] INSPECTOR THROUGH THE DIVISION OF THE STATE ARCHITECT INSPECTOR EXAMINATION PROGRAM. INSPECTOR SHALL ALSO BE SPECIFICALLY APPROVED BY THE DIVISION OF THE STATE ARCHITECT FOR THIS PROJECT AT LEAST 10 DAYS PRIOR TO THE START OF ANY WORK FOR THIS PROJECT.

14. ALL WORK SHOWN ON THESE DRAWINGS SHALL COMPLY WITH THE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR).

15. CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDUM OR A CONSTRUCTION CHANGE DOCUMENT APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY TITLE 24, CCR, PART 1, SECTION 4-338.

16. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.

17. DRINKING WATER SHALL COMPLY WITH ALL LOCAL HEALTH DEPARTMENT REQUIREMENTS.

18. FOOD HANDLING FACILITIES SHALL COMPLY WITH ALL LOCAL HEALTH REQUIREMENTS AND THE CALIFORNIA RETAIL FOOD FACILITIES LAW.

19. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ADDITION, ALTERATION OR RECONSTRUCTION IS IN COMPLIANCE WITH THE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS. SHOULD ANY CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT IDENTIFIED BY THE CONTRACT DOCUMENTS WHERIN THE FINAL WORK WOULD NOT COMPLY WITH THE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER AND THE ARCHITECT OF THE CONDITION IN WRITING. NECESSARY INFORMATION REQUIRED TO CORRECT THE CONDITIONS ENCOUNTERED WILL BE ISSUED BY THE ARCHITECT. A CHANGE ORDER MAY BE ISSUED TO ADJUST THE CONTRACT SUM OR TIME COMMENSURATE WITH THE AMOUNT OF ADDITIONAL WORK REQUIRED, IF ANY. THE CHANGE ORDER SHALL BE APPROVED BY THE DIVISION OF THE STATE ARCHITECT PRIOR TO PROCEEDING WITH THE WORK REQUIRED BY THE CHANGE ORDER.

20. ALL SLOPE AND CROSS SLOPE OF ACCESSIBLE ROUTE PAVING INDICATED ON THESE DRAWINGS WAS DESIGNED IN COMPLIANCE WITH THE 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN AND THE THE ACCESSIBILITY STANDARDS OF THE CALIFORNIA BUILDING CODE, (CBC) TITLE 24, PART 2, CHAPTER 11B OF THE CALIFORNIA CODE OF REGULATIONS (CCR). STRICT EXECUTION OF THE SLOPE AND CROSS SLOPE OF ACCESSIBLE ROUTE PAVING IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. SHOULD A CONDITION PRESENT ITSELF THAT WOULD RESULT IN AN INSTALLATION OTHER THAN WHAT IS INDICATED IN THESE DRAWINGS, WLC ARCHITECTS, INC. SHALL BE NOTIFIED IN WRITING AND A COMPLIANT RESOLUTION WILL BE FORMULATED.

21. THE CALIFORNIA ENERGY CODE SECTION 10-103 REQUIRES ACCEPTANCE TESTING ONALL NEWLY INSTALLED LIGHTING CONTROLS, MECHANICAL SYSTEMS, ENVELOPES, AND PROCESS EQUIPMENT AFTER INSTALLATION AND BEFORE PROJECT COMPLETION. AN ACCEPTANCE TEST IS A FUNCTIONAL PERFORMANCE TEST TO HELP ENSURE THAT NEWLY INSTALLED EQUIPMENT IS OPERATING AND IN COMPLIANCE WITH THE ENERGY CODE.

LIGHTING CONTROLS ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED MECHANICAL ATT FOR PROJECTS SUBMITTED ON OR AFTER OCTOBER 1, 2021.

MECHANICAL SYSTEM ACCEPTANCE TESTS SHALL BE PERFORMED BY THE INSTALLING CONTRACTOR, ENGINEER/ ARCHITECT OF RECORD OR THE OWNER'S AGENT.

21. (CONTINUED)

A LISTIING OF CERTIFIED ATT CAN BE FOUND AT: https://www.energy.ca.gov/programs-and-topics/programs/acceptance-test-technician-certification-provider-program/acceptance.

THE ACCEPTANCE TESTING PROCEDURES MUST BE REPEATED, AND DEFICIENCIES MUST BE CORRECTED BY THE BUILDER OR INSTALLING CONTRACTOR UNTIL THE CONSTRUCTION/ INSTALLATION OF THE SPECIFIED SYSTEMS CONFORM AND PASS THE REQUIRED ACCEPTANCE CRITERIA.

PROJECT INSPECTORS WILL COLLECT THE FORMS TO CONFIRM THAT THE REQUIRED ACCEPTANCE TESTS HAVE BEEN COMPLETED.

22. THE PROJECT HAS BEEN FUNDED BY THE STATE.

GOVERNING CODES

LIST OF APPLICABLE CODES
2022 CALIFORNIA ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24 CCR
2022 CALIFORNIA BUILDING CUDE (CBC), PART 2, TITLE 24 CCR
2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 CCR
2022 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 CCR
2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 CCR
2022 CALIFORNIA ENERGY CODE, PART 6, TITLE 24 CCR
2022 CALIFORNIA EXISTING BUILDING CODE (CEBC), PART 10, TITLE 24 CCR
2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGreen), PART 11, TITLE 24 CCR
2022 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24 CCR
TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS

APPLICABLE STANDARDS
FOR A LIST OF APPLICABLE STANDARDS, INCLUDING CALIFORNIA AMENDMENTS TO THE NFPA STANDARDS, REFER TO CBC CHAPTER 35 AND CFC CHAPTER 80.

CALIFORNIA ELEVATOR SAFETY CODE, CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 8

APPLICABLE NFPA STANDARDS

NFPA 13	-	AUTOMATIC SPRINKLER SYSTEMS, 2022 EDITION-CA AMENDED
NFPA 14	-	STANDPIPE SYSTEMS, 2019 EDITION-CA AMENDED
NFPA 17	-	DRY CHEMICAL EXTINGUISHING SYSTEMS, 2021 EDITION
NFPA 17A	-	WET CHEMICAL SYSTEMS, 2021 EDITION
NFPA 20	-	STATIONARY PUMPS, 2019 EDITION
NFPA 24	-	PRIVATE FIRE MAINS, 2019 EDITION-CA AMENDED
NFPA 72	-	NATIONAL FIRE ALARM CODE, 2022 EDITION-CA AMENDED
NFPA 80	-	FIRE DOORS AND OTHER OPENING PROTECTIVES, 2019 EDITION
NFPA 92	-	STANDARD FOR SMOKE CONTROL SYSTEMS, 2018 EDITION
NFPA 253	-	CRITICAL RADIANT FLUX OF FLOOR COVERINGS, 2019 EDITION
NFPA 2001	-	CLEAN AGENT FIRE EXTINGUISHING SYSTEMS, 2018 EDITION - CA AMENDED
ICC 300	-	ICC STANDARDS FOR BLEACHERS, FOLDING AND TELESCOPIC SEATING, AND GRANDSTANDS, 2017 EDITION
UL 300	-	FIRE TESTING OF FIRE EXTINGUISHING SYSTEMS FOR PROTECTION OF COMMERCIAL RESTAURANT COOKING AREAS, 2005 EDITION W/ REVISIONS THRU 2010
UL 464	-	AUDIBLE SIGNAL APPLIANCES, 2003 EDITION
UL 521	-	HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS, 1999 EDITION W/ REVISIONS THRU 2005

NOTE: ALL NFPA STANDARDS AS LISTED ARE TO CONFORM TO THE EDITION AS LISTED WITH THE LATEST CALIFORNIA AMENDMENTS. REFERNECE THE 2022 CBC, TITLE 24, PART 2 - CHAPTER 35 FOR ADDITIONAL APPLICABLE NFPA, UL STANDARDS AND ANY CALIFORNIA AMENDMENTS TO NFPA STANDARDS.

PROJECT TEAM

OWNER
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BKF ENGINEERS
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CONSTRUCTION MANAGER
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ARCHITECT
PBK ARCHITECTS, INC.
2700 TENTH STREET, SUITE 700
BERKELEY, CA 94710
PHONE: (510) 450-1999
FAX: (510) 319-6019

STATEMENT OF GENERAL CONFORMANCE

FOR ARCHITECTS / ENGINEERS WHO UTILIZE PLANS, INCLUDING BUT NOT LIMITED TO SHOP DRAWINGS, PREPARED BY OTHER LICENSED DESIGN PROFESSIONALS AND/OR CONSULTANTS

(Application No. 01-121607 File No. 1-47)

[X] The drawings or sheets listed on the cover or sheet index

[ ] This drawing, page of specifications/calculations

have been prepared by other design professionals or consultants who are licensed and/or authorized to prepare such drawings in this state. it has been examined by me for:

1) Design intent and appears to meet the appropriate requirements of Title 24, California Code of Regulations and the project specifications prepared by me, and
2) Coordination with my plans and specifications and is acceptable for incorporation into the construction of this project.

The Statement of General Conformance "shall not be construed as relieving me of my rights, duties, and responsibilities under Sections 17302 and 81138 of the Education Code and Sections 4-336, 4-341 and 4-344" of Title 24, Part 1 (Title 24, Part 1, Section 4-316 [b])

USE OF CONSTRUCTION DRAWINGS PREPARED BY OTHER DESIGN PROFESSIONALS

I find that:
[X] All drawings or sheets listed on the cover or index sheet
[ ] The drawing or page listed below
[X] is/are in general conformance with the project design intent, and
[X] has/have been coordinated with the project plans and specifications.

Signature — 07-12-2024 Date

Architect or Engineer designated to be in general responsible charge

LANCE ULRICH KUTZ
Print Name

C-38439 License Number — 05-31-2025 Expiration Date

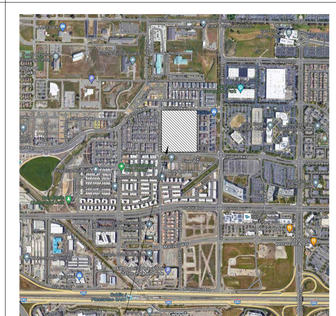
SCOPE OF WORK

THE SCOPE OF THE WORK AS STATED BELOW IS FOR DSA PLAN REVIEW PURPOSES ONLY AND DOES NOT CONSTITUTE A DETAILED AND FULL EXPLANATION OF THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.

INCREMENT 1:
1. ROUGH GRADING, UTILITIES, AND BUILDING PAD PREPARATION FOR A NEW SCHOOL CAMPUS.

INCREMENT 2:
1. CONSTRUCTION OF 4 BUILDINGS:
   A. MIDDLE SCHOOL BUILDING - BLDG A
   B. ELEMENTARY SCHOOL BUILDING - BLDG B
   C. MULTI-PURPOSE BUILDING - BLDG C
   D. GYMNASIUM - BLDG D
2. SITE RELATED IMPROVEMENTS:
   A. VISITOR AND STAFF PARKING LOT A, B, AND C
   B. NON PC AND PC CANOPIES
   C. PLAY AREAS WITH PLAY STRUCTURES
   D. LANDSCAPING AREAS
   E. TRACK
   F. BIOBASINS

VICINITY MAP



SHAMROCK HILLS SCHOOL INC 1 & 2 PROJECT

N

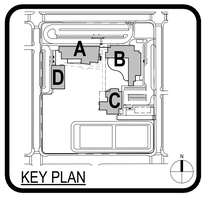
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-121607 INC: 1
REVIEWED FOR
SS [X] FLS [X] ACS [X]
DATE: 7/26/2024

PBK

ARCHITECT PBK, Inc.
PBK.com
BERKELEY
2600 Tenth Street, Suite 700
Berkeley, CA 94710-2597
510-450-1999 P

SHAMROCK HILLS SCHOOL INCREMENT 1
5500 HORIZON PKWY, DUBLIN, CA 94568

CLIENT LOGO
DUBLIN UNIFIED School District



KEY PLAN

CONSULTANT'S LOGO

CLIENT
DUBLIN UNIFIED SCHOOL DISTRICT

DATE	PROJECT NUMBER
03/01/2024	230466

DRAWING HISTORY

No.	Description	Date

50% CONSTRUCTION DOCUMENTS

GENERAL NOTES & PROJECT DIRECTORY

G0.01i1

FILE PATH: Autodesk Docs://Dublin USD_230466_Boulevard TK-8 School/AR22_230466_BLVD TK-8_Inc1.Site.rvt
CHECKED BY: XX
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PLOT STAMP: 7/12/2024 4:03:38 PM

DRAWING INDEX
G0.02i1
FOR BLUEBEAM LABELINGDOCR:

0"
1"

DRAWING INDEX

DWG REF NO	DESCRIPTION
	INDEX TITLE
G0.01i1	GENERAL NOTES & PROJECT DIRECTORY
G0.02i1	DRAWING INDEX
G0.03i1	DRAFTING SYMBOLS AND MATERIALS
G0.04i1	ARCHITECTURAL DRAWING ABBREVIATIONS
G0.05i1	SITE SUMMARY
G0.06i1	FIRE AND LIFE SAFETY SITE PLAN
6	

DWG REF NO	DESCRIPTION
	INDEX LANDSCAPE

DWG REF NO	DESCRIPTION
	INDEX MECHANICAL

DWG REF NO	DESCRIPTION
	INDEX FIRE PROTECTION

DWG REF NO	DESCRIPTION
	INDEX CIVIL
C0.0i1	COVER SHEET
C0.1i1	GENERAL NOTES
C1.0i1	EXISTING CONDITIONS PLAN
C1.1i1	EXISTING CONDITIONS PLAN
C1.2i1	EXISTING CONDITIONS PLAN
C1.3i1	EXISTING CONDITIONS PLAN
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C4.2i1	ROUGH GRADING PLAN
C4.3i1	ROUGH GRADING PLAN
C4.4i1	BUILDING PAD PREPARATION PLAN
C5.0i1	UTILITY PLAN
C5.1i1	UTILITY PLAN
C5.2i1	UTILITY PLAN
C5.3i1	UTILITY PLAN
C7.0i1	CONSTRUCTION DETAILS
C7.1i1	CONSTRUCTION DETAILS
C7.2i1	CONSTRUCTION DETAILS
C8.0i1	EROSION & SEDIMENT CONTROL PLAN
C8.1i1	EROSION & SEDIMENT CONTROL PLAN
24	

DWG REF NO	DESCRIPTION
	INDEX ARCHITECTURAL

DWG REF NO	DESCRIPTION
	INDEX STRUCTURAL

DWG REF NO	DESCRIPTION
	INDEX PLUMBING

DWG REF NO	DESCRIPTION
	INDEX ELECTRICAL

TOTAL NUMBER OF SHEETS
30

DRAWING INDEX CODE

DRAWING DISCIPLINE PREFIX INDEX

- A. ARCHITECTURAL
- C. CIVIL
- D. INTERIOR DESIGN / FURNITURE
- E. ELECTRICAL
- F. FIRE PROTECTION / SPRINKLER SYSTEM
- G. GRAPHICS
- H. HAZARDOUS MATERIALS
- K. DIETARY / FOOD SERVICE
- L. LANDSCAPING
- M. MECHANICAL
- P. PLUMBING
- S. STRUCTURAL
- T. TELECOMMUNICATIONS
- FP. FIRE PROTECTION

DRAWING GROUP PREFIX INDEX

- 0. GENERAL INFORMATION
- 1. SITE PLANS
- 2. FLOOR PLANS
- 3. REFLECTED CEILING PLANS
- 4. ROOF PLANS
- 5. EXTERIOR ELEVATIONS / SECTIONS
- 6. ENLARGED FLOOR PLANS
- 7. INTERIOR ELEVATIONS
- 8. CIRCULATION / STAIRS / ELEVATORS
- 9. 3D REPRESENTATIONS

DRAWING NUMBER CODE

AH2.2

- DRAWING NUMBER
- GROUP PREFIX INDEX
- BUILDING IDENTITY
- DISCIPLINE PREFIX INDEX

DISCIPLINE OR DRAWING GROUPS NOT INDICATED IN DRAWING INDEX ARE NOT APPLICABLE OR ARE INCLUDED IN THE 16 DIVISIONAL GROUPING OF THE DETAIL DRAWINGS. BUILDING IDENTITY DESIGNATIONS MAY OR MAY NOT BE UTILIZED. REFER TO KEY PLANS AND DRAWING INDEX FOR APPLICATION OF BUILDING DESIGNATIONS. THE DISCIPLINE AND DRAWING GROUPS ARE INTEGRAL WITH THE DETAIL DRAWINGS AND ARE NOT COMPLETE IN THEMSELVES. IN CASE OF DISCREPANCY BETWEEN THE INDEX AND THE DRAWINGS, THE DRAWINGS SHALL GOVERN.

ARCHITECTURAL DETAIL DRAWING PREFIX INDEX

DIVISION 1	-	GENERAL REQUIREMENTS
DIVISION 2	-	SITE WORK
DIVISION 3	-	CONCRETE
DIVISION 4	-	MASONRY
DIVISION 5	-	METALS
DIVISION 6	-	WOOD AND PLASTICS
DIVISION 7	-	THERMAL AND MOISTURE PROTECTION
DIVISION 8	-	DOORS AND WINDOWS
DIVISION 9	-	FINISHES
DIVISION 10	-	SPECIALTIES
DIVISION 11	-	EQUIPMENT
DIVISION 12	-	FURNISHINGS
DIVISION 13	-	SPECIAL CONSTRUCTION
DIVISION 14	-	CONVEYING SYSTEMS
DIVISION 15	-	MECHANICAL - NOT USED
DIVISION 16	-	ELECTRICAL - NOT USED

DETAIL DRAWING CODE

8.4

- DRAWING NUMBER
- DIVISION PREFIX INDEX

THE DIVISION PREFIX NUMBERS ARE THOSE IDENTIFIED BY THE 16 DIVISION GROUPING SYSTEM OF MASTER FORMAT AS PUBLISHED BY THE CONSTRUCTION SPECIFICATION INSTITUTE (CSI) AND SHALL NOT BE SOLEY REPRESENTATIVE OF REQUIREMENTS FOR ANY ONE DIVISION. THOSE DIVISIONS NOTED AS BEING NOT USED OR OMITTED ARE NOT APPLICABLE OR ARE INCLUDED UNDER DISCIPLINE DRAWINGS. IN CASE OF DISCREPANCY BETWEEN THE INDEX AND THE DRAWINGS, THE DRAWINGS SHALL GOVERN.

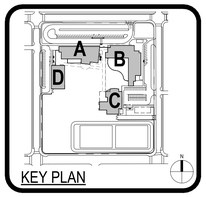
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-121607 INC: 1
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 7/26/2024

PBK

ARCHITECT PBK, Inc.
PBK.com
BERKELEY
2600 Tenth Street, Suite 700
Berkeley, CA 94710-2597
510-450-1999 P

SHAMROCK HILLS SCHOOL INCREMENT 1
5500 HORIZON PKWY, DUBLIN, CA 94568

CLIENT LOGO
DUBLIN UNIFIED School District



KEY PLAN

CONSULTANT'S LOGO

LICENSED ARCHITECT
DIVISION OF THE STATE ARCHITECT
REGISTERED ARCHITECT
STATE OF CALIFORNIA

CLIENT
DUBLIN UNIFIED SCHOOL DISTRICT
DATE 03/01/2024
PROJECT NUMBER 230466

DRAWING HISTORY

No.	Description	Date

50% CONSTRUCTION DOCUMENTS

DRAWING INDEX

G0.02i1

FILE PATH: Autodesk Docs://Dublin USD_230466_Boulevard TK-8 School/AR23_230466_BLVD TK-8_Incl-Site.rvt
CHECKED BY:
XX
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PLOT STAMP:
7/12/2024 4:03:38 PM

0"
1"

DRAFTING SYMBOLS LEGEND

5491.0'

NEW / REQUIRED POINT ELEVATION (PLAN)

+5431.0'

EXISTING POINT ELEVATION (PLAN)

SURFACE DRAINAGE
ARROW INDICATES DIRECTION OF FLOW

E1234
N1234

SITE REFERENCE GRID
WORK POINT COORDINATES

N

PROJECT NORTH

2.3
B

COLUMN REFERENCE GRIDS
B,2.3 = COLUMN DESIGNATION

AA5.1 1

BUILDING ELEVATIONS
AA5.1 = SHEET DESIGNATION
1 = DETAIL DESIGNATION ON SHEET
ARROW INDICATES DIRECTION OF VIEW

1
4 AA5.1 2
3

INTERIOR ELEVATIONS
AA5.1 = SHEET DESIGNATION
1, 2, 3, 4 = DETAIL DESIGNATION ON SHEET
ARROW INDICATES DIRECTION OF VIEW

SIM
1
A5.2

BUILDING SECTION
1 = SECTION DESIGNATION
A5.2 = REFERENCE DRAWING NUMBER
ARROW INDICATES DIRECTION OF VIEW

SIM
1
A5.3

WALL SECTION
1 = SECTION DESIGNATION
A5.3 = REFERENCE DRAWING NUMBER
ARROW INDICATES DIRECTION OF VIEW

SIM
1
8.3

DETAIL
1 = DETAIL DESIGNATION
8.3 = REFERENCE DRAWING NUMBER

SIM
1
8.3

SIM
1
8.3

LOBBY
E-1 6
20
900 SF
45 *
76

AREA IDENTITY/ CODE ANALYSIS
LOBBY = ROOM NAME
E1 = OCCUPANCY GROUP
6 = SPACE USE - REF SPACE USE SCHEDULE
20 = OCCUPANT LOAD FACTOR (CBC TABLE 1004.5)
900 = FLOOR AREA - SQUARE FEET
45 = OCCUPANT LOAD (CBC TABLE 1004.5)
* = OCCUPANT LOAD SIGN REQUIRED WHEN NOTED - (CBC SEC 1004.9) REF SIGNAGE SCHEDULE
76 = ACCUMULATIVE OCCUPANT LOAD OF SPACE WHEN APPLICABLE

LOBBY
A230
150 SF

AREA IDENTITY/ PLAN
LOBBY = ROOM NAME
A230 = AREA IDENTITY
A - BUILDING OR AREA DESIGNATION
2 - FLOOR NUMBER
30 - ROOM NUMBER

1

REVISION
1 = REVISION NUMBER

123

EQUIPMENT IDENTIFICATION
123 = EQUIPMENT NUMBER

A

GLAZED OPENING OR WINDOW TYPE
ALPHABETICAL DESIGNATION = GLAZED OPENING
NUMERICAL DESIGNATION = WINDOW TYPE

A250

DOOR IDENTIFICATION
A = BUILDING DESIGNATION
2 = FLOOR NUMBER
50 = DOOR NUMBER
A = DOOR LETTER

0654

REFERENCE NOTE IDENTIFICATION
06 = DIVISIONAL PREFIX
54 = NOTE NUMBER

C428*

WALL IDENTIFICATION
C = WALL TYPE DESIGNATION - REF SCHEDULE
4 = NOMINAL STUD OR MASONRY SIZE
2 = FIRE RATING IN HOURS
B = ADDITIONAL REMARKS - REF SCHEDULE
* = OPTIONAL CHARACTER

3 A

TOILET ACCESSORY IDENTIFICATION
3 = ACCESSORY NUMBER - REF SCHEDULE
A = ACCESSIBLE WHEN NOTED

100M L

CABINET DESIGNATION
100 = WI CABINET NUMBER
M = MODIFIED AS NOTED
L = LOCK WHEN NOTED

Name
Elevation

LEVEL LINE, CONTROL POINT
FFE 0'-0" = ELEVATION

UP 12R AT 6"
12T AT 11"

STAIR DIRECTION SYMBOL
NUMBER AND SIZE OF TREADS AND RISERS IN INCHES

MATCH LINE AND AREA DESIGNATOR
SHADED PORTION IS THE SIDE CONSIDERED

8' 4' 0' 8' 16'
SCALE : 1/8" = 1'-0"

BAR SCALE

CENTER LINES, FLOOR LINES AND LEVEL LINES

SECTION LINES

PROPERTY LINES, BOUNDRY LINES AND MATCH LINES

HIDDEN CONSTRUCTION FEATURE

BREAKS OF BUILDING COMPONENTS

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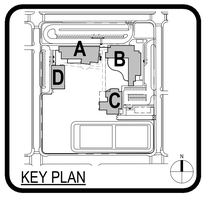


KEY PLAN

CONSULTANT'S LOGO

LICENSED ARCHITECT
CALIFORNIA
STATE OF CALIFORNIA

CLIENT
DUBLIN UNIFIED SCHOOL DISTRICT
DATE 03/01/2024
PROJECT NUMBER 230466

DRAWING HISTORY

No.	Description	Date

50% CONSTRUCTION DOCUMENTS

DRAFTING SYMBOLS AND MATERIALS

G0.03i1

FOR BLUEBEAM LABELING/OCR:
G0.04i1
ARCHITECTURAL DRAWING ABBREVIATIONS

ABBREVIATIONS A-D

A/C	- AIR CONDITIONING
A/E	- ARCHITECT / ENGINEER
AB	- ANCHOR BOLT
ABAN	- ABANDON
ABC	- AGGREGATE BASE COURSE
ABV	- ABOVE
AC	- ASPHALTIC CONCRETE
ACC	- ACCESS(IBLE)
ACST	- ACOUSTICAL
ACT	- ACOUSTICAL CEILING TILE
AD	- AREA DRAIN
ADDM	- ADDENDUM
ADH	- ADHESIVE
ADJ	- ADJUSTABLE
ADJC	- ADJACENT
AFF	- ABOVE FINISHED FLOOR
AFG	- ABOVE FINISHED GRADE
AGGR	- AGGREGATE
AHU	- AIR HANDLING UNIT
AL	- ALUMINUM
ALT	- ALTERNATE
ANC	- ANCHOR, ANCHORAGE
APLD	- APPLIED
APPRX	- APPROXIMATE
ARCH	- ARCHITECT(URAL)
ASC	- ABOVE SUSPENDED CEILING
ASPH	- ASPHALT
ASSY	- ASSEMBLY
ASYM	- ASYMMETRICAL
AWG	- AMERICAN WIRE GAUGE
BC	- BACK OF CURB
BD	- BOARD
BITUM	- BITUMINOUS
BLDG	- BUILDING
BLK	- BLOCK
BLKG	- BLOCKING
BLW CLG	- BELOW CEILING
BLW FFLR	- BELOW FINISH FLOOR
BLW	- BELOW
BM	- BENCH MARK
BN	- BOUNDARY NAILING
BOT	- BOTTOM
BRCG	- BRACING
BRDG	- BRIDGING
BRG	- BEARING
BRK	- BRICK
BRKT	- BRACKET
BRS	- BRASS
BRZ	- BRONZE
BS	- BOTH SIDES
BSMT	- BASEMENT
BTWN	- BETWEEN
BUR	- BUILT-UP ROOFING
BW	- BOTH WAYS
C&G	- CURB AND GUTTER
CAB	- CABINET
CAD	- CADMIUM
CB	- CATCH BASIN
CBB	- CEMENTITIOUS BACKER BOARD
CEM	- CEMENT
CER	- CERAMIC
CFCI	- CONTRACTOR FURNISH CONTRACTOR INSTALLED
CFLG	- COUNTERFLASHING
CFOI	- CONTRACTOR FURNISH OWNER INSTALLED
CG	- CORNER GUARD
CHBD	- CHALKBOARD
CHFR	- CHAMFER
CI	- CAST IRON
CIR	- CIRCLE
CIRC	- CIRCULAR, CIRCUMFERENCE
CJ	- CONSTRUCTION JOINT
CL	- CHAIN LINK
CLG	- CEILING
CLJ	- CONTROL JOINT
CLL	- CONTRACT LIMIT LINE
CLOS	- CLOSURE
CLR	- CLEAR(ANCE)
CLRM	- CLASSROOM
CMPST	- COMPOSITION
CMU	- CONCRETE MASONRY UNIT
CNCL	- CONCEALED
CNR	- CORNER
CNTR	- COUNTER
COL	- COLUMN
COM	- COMMON
COMB	- COMBINATION
COMPT	- COMPARTMENT
CONC	- CONCRETE
CONF	- CONFERENCE
CONN	- CONNECTION
CONSTR	- CONSTRUCTION
CONT	- CONTINUOUS (ATION)
CONTR	- CONTRACT(OR)
COORD	- COORDINATE
CORR	- CORRIDOR
CPR	- COPPER
CPRS	- COMPRESS(ED), (ION), (IBLE)
CPT	- CARPET(ED)
CRS	- COLD ROLLED STEEL
CS	- COST STONE
CSG	- CASING
CSK	- COUNTERSUNK
CSMT	- CASEMENT
CSWK	- CASEWORK
CT	- CERAMIC TILE
CTB	- CERAMIC TILE BASE
CTF	- CERAMIC TILE FLOOR
CTG	- COATING
CTR	- CENTER
CUFT	- CUBIC FOOT
CUIN	- CUBIC INCH
CUST	- CUSTODIAN
CUYD	- CUBIC YARD

ABBREVIATIONS E-K

D	- DRAIN
DA	- DOUBLE ACTING
DBL	- DOUBLE
DEMO	- DEMOLISH, DEMOLITION
DEP	- DEPRESSED
DEPT	- DEPARTMENT
DET	- DETAIL
DF	- DRINKING FOUNTAIN
DH	- DOUBLE HUNG
DIA	- DIAMETER
DIAG	- DIAGONAL
DIFF	- DIFFUSER
DIM	- DIMENSION
DISP	- DISPENSER
DIV	- DIVISION
DMPF	- DAMPPROOFING
DMT	- DEMOUNTABLE
DN	- DOWN
DR	- DOOR
DRB	- DRAINBOARD
DRLV	- DOOR LOUVER
DS	- DOWNSPOUT
DSP	- DRY STANDPIPE
DT	- DRAIN TILE
DVTL	- DOVETAIL
DW	- DISHWASHER
DWG	- DRAWING
DWL	- DOWEL
DWR	- DRAWER
E	- EAST
EA	- EACH
EAR	- EXHAUST AIR REGISTER
EB	- EXPANSION BOLT
EE	- EACH END
EF	- EACH FACE
EFS	- EXTERIOR FINISH SYSTEM
EHD	- ELECTRIC HAND DRYER
EIFS	- EXTERIOR INSULATION AND FINISH SYSTEM
EJ	- EXPANSION JOINT
EL	- ELEVATION
ELAST	- ELASTOMERIC
ELEC	- ELECTRIC(AL)
ELEV	- ELEVATOR
EM	- EXPANDED METAL
EMER	- EMERGENCY
EN	- EDGE NAILING
ENCL	- ENCLOSE (URE)
ENGR	- ENGINEER
ENTR	- ENTRANCE
EOD	- EDGE OF DECK
EOS	- EDGE OF SLAB
EP	- ELECTRICAL PANELBOARD
EQ	- EQUAL
EQUIP	- EQUIPMENT
ESC	- ESCUTCHEON
ESCL	- ESCALATOR
ESMT	- EASEMENT
EW	- EACH WAY
EWC	- ELECTRIC WATER COOLER
EWH	- ELECTRIC WATER HEATER
EWS	- EYE WASH STATION
EXC	- EXCAVATE
EXG	- EXISTING
EXH	- EXHAUST
EXP	- EXPOSED
EXPN	- EXPANSION
EXS	- EXTRA STRONG
EXT	- EXTERIOR
F/F	- FACE TO FACE
FA	- FIRE ALARM
FAB	- FABRIC / FABRICATE
FBD	- FIBERBOARD
FBRK	- FIRE BRICK
FCBRK	- FACE BRICK
FD	- FLOOR DRAIN
FDTN	- FOUNDATION
FE	- FIRE EXTINGUISHER
FEC	- FIRE EXTINGUISHER CABINET
FFA	- FROM FLOOR ABOVE
FFB	- FROM FLOOR BELOW
FFEL	- FINISHED FLOOR ELEVATION
FFL	- FINISHED FLOOR LINE
FGL	- FIBERGLASS
FHC	- FIRE HOSE CABINET
FHMS	- FLATHEAD MACHINE SCREW
FHWS	- FLATHEAD WOOD SCREW
FIN	- FINISH(ED)
FJT	- FLUSH JOINT
FLASH	- FLASH(ING)
FLDG	- FOLDING
FLG	- FLOORING
FLR	- FLOOR
FLUOR	- FLUORESCENT
FN	- FIELD NAILING
FOC	- FACE OF CONCRETE
FOF	- FACE OF FINISH
FOG	- FACE OF GRID
FOM	- FACE OF MASONRY
FOS	- FACE OF STUDS
FPL	- FIREPLACE
FPRF	- FIREPROOF(ING)
FR	- FRAME(D), (ING)
FRG	- FIBER REINFORCED GYPSUM
FRGL	- FIRE RESISTIVE GLAZING
FRL	- FIBER REINFORCED LAMINATE
FRP	- FIBERGLASS REINFORCED PLASTIC
FRTD	- FIRE RATED
FRTW	- FIRE RETARDANT TREATED
WOOD	
FRZ	- FREEZER
FS	- FAR SIDE
FSTN	- FASTEN, FASTNER
FT	- FOOT OR FEET
FTG	- FOOTING
FURG	- FURRED (ING)
FUT	- FUTURE
FWC	- FABRIC WALL COVERING

ABBREVIATIONS L-P

GA	- GAGE
GAL	- GALLON
GALV	- GALVANIZED
GB	- GRAB BAR
GFRC	- GLASS FIBER REINFORCED CONCRETE
GI	- GALVANIZED IRON
GL	- GLASS
GLU LAM	- GLUE LAMINATED
GLZ	- GLAZING
CLZCMU	- GLAZED CONCRETE MASONRY UNITS
GN	- GENDER NEUTRAL
GND	- GROUND
GPC	- GYPSUM PLASTER CEILING
GR LN	- GRADE LINE
GR BM	- GRADE BEAM
GR	- GRADE (ING)
GRD	- GROUND
GRBD	- GARBAGE DISPOSER
GSB	- GYPSUM SHEATHING BOARD
GSS	- GALVANIZED STEEL SHEET
GST	- GALVANIZED STRUCTURAL TILE
GT	- GROUT
GVL	- GRAVEL
GYP	- GYPSUM
HB	- HOSE BIB
HC	- HOLLOW CORE
HD	- HEAVY DUTY
HD JT	- HEAD JOINT
HDAS	- HEADED ANCHOR STUD
HDR	- HEADER
HDW	- HARDWARE
HDWD	- HARDWOOD
HEX	- HEXAGONAL
HGR	- HANGER
HGT	- HEIGHT
HLDN	- HOLD DOWN
HM	- HOLLOW METAL
HMD	- HOLLOW METAL DOOR
HMDF	- HOLLOW METAL DOOR AND FRAME
HMF	- HOLLOW METAL FRAME
HNDRL	- HANDRAIL
HORIZ	- HORIZONTAL
HPT	- HIGH POINT
HR	- HOUR
HT	- HEIGHT
HTG	- HEATING
HVAC	- HEATING/VENTILATING/ AIR CONDITIONING
HWH	- HOT WATER HEATER
ID	- INSIDE DIAMETER
INCL	- INCLUDE(D), (ING)
INSTL	- INSTALL
INSUL	- INSULATE(D), (ION)
INT	- INTERIOR
INV	- INVERT
IPS	- IRON PIPE SIZE
JAN	- JANITOR
JST	- JOIST
JT	- JOINT
KIT	- KITCHEN
KO	- KNOCKOUT
KPL	- KICKPLATE
LAB	- LABORATORY
LAD	- LADDER
LAM	- LAMINATE(D)
LAV	- LAVATORY
LBL	- LABEL
LBR	- LUMBER
LB	- POUND
LCT	- LINOLEUM COMPOSITE TILE
LDR	- LEADER
LG	- LENGTH
LH	- LEFT HAND
LHR	- LEFT HAND REVERSE
LKNT	- LOCKNUT
LKR	- LOCKER
LLH	- LONG LEG HORIZONTAL
LLV	- LONG LEG VERTICAL
LMST	- LIMESTONE
LNDSCP	- LANDSCAPE(D)
LNTL	- LINTEL
LP	- LIGHTPROOF
LPT	- LOW POINT
LT	- LIGHT
LTWT	- LIGHT WEIGHT
LVL	- LEVEL(ER)
LVR	- LOUVER
LW	- LIGHTWEIGHT CONCRETE
LWIC	- LIGHTWEIGHT INSULATING CONCRETE

ABBREVIATIONS Q-S

MAINT	- MAINTAIN(ANCE)
MANUF	- MANUFACTURER
MAS	- MASONRY
MATL	- MATERIAL
MAX	- MAXIMUM
MB	- MACHINE BOLT
MBR	- MEMBER
MC	- MEDICINE CABINET
MCB	- METAL CORNER BEAD
MDO	- MEDIUM DENSITY OVERLAID
MECH	- MECHANICAL
MED	- MEDIUM
MEMB	- MEMBRANE
MEZZ	- MEZZANINE
MFD	- METAL FLOOR DECKING
MFR	- MANUFACTURE(R)
MH	- MANHOLE
MIN	- MINIMUM
MIRR	- MIRROR
MISC	- MISCELLANEOUS
ML	- METAL LATH
MLDG	- MOLDING
MLWK	- MILLWORK
MO	- MASONRY OPENING
MOD	- MODULE (AR)
MR	- MOISTURE RESISTANT
MRB	- MARBLE
MRD	- METAL ROOF DECKING
MS	- MACHINE SCREW
MTD	- MOUNTED
MTL	- METAL
MTR	- MORTAR
MULL	- MULLION
MVBL	- MOVEABLE
MWP	- MEMBRANE WATER PROOFING
N	- NORTH
NA	- NOT APPLICABLE
NAT	- NATURAL
NCOMBL	- NONCOMBUSTIBLE
NE	- NOT EXCEEDING
NF	- NEAR FACE
NIC	- NOT IN CONTRACT
NLB	- NON LOAD BEARING
NM	- NON METALLIC
NO	- NUMBER
NOM	- NOMINAL
NR	- NOISE REDUCTION
NRC	- NOISE REDUCTION COEFFICENT
NRCA	- NATIONAL ROOFING CONTRACTORS ASSOCIATION
NS	- NEAR SIDE
NTS	- NOT TO SCALE
O/O	- OUT TO OUT
OA	- OVERALL
OBS	- OBSCURE
OC	- ON CENTER(S)
OD	- OUTSIDE DIAMETER
OFCI	- OWNER FURNISHED CONTRACTOR INSTALLED
OFOI	- OWNER FURNISHED OWNER INSTALLED
OFS	- OUTSIDE FACE OF STUD
OHMS	- OVALHEAD MACHINE SCREW
OHWS	- OVALHEAD WOOD SCREW
OPH	- OPPOSITE HAND
OPNG	- OPENING
OPP	- OPPOSITE
OPQ	- OPAQUE
OPR	- OPERABLE
ORD	- OVERFLOW ROOF DRAIN
OVFL	- OVERFLOW
OVHD	- OVERHEAD
PAR	- PARALLEL
PAT	- PATTERN
PB	- PANIC BAR
PBD	- PARTICLE BOARD
PC	- PORTLAND CEMENT
PCC	- PRECAST CONCRETE
PCP	- PORTLAND CEMENT PLASTER
PED	- PEDESTAL
PERF	- PERFORATE(D)
PERIM	- PERIMETER
PERP	- PERPENDICULAR
PGBD	- PEGBOARD
PH	- PHASE
PHS	- PHILLIPS HEAD SCREW
PI	- POINT OF INTERSECTION
PIV	- POST INDICATOR VALVE
PL	- PROPERTY LINE
PLAM	- PLASTIC LAMINATE
PLAS	- PLASTER
PLBG	- PLUMBING
PLYWD	- PLYWOOD
PNEU	- PNEUMATIC
PNL	- PANEL
PNT	- PAINT(ED)
POL	- POLISHED
POLY	- POLYETHYLENE
PORC	- PORCELAIN
PORT	- PORTABLE
P.O.T.	- PATH OF TRAVEL
PR	- PAIR
PRCST	- PRECAST
PREFAB	- PREFABRICATE(D)
PREFIN	- PREFINISHED
PREFMD	- PREFORMED
PRKG	- PARKING
PRML	- PREMOLDED
PROJ	- PROJECT
PROP	- PROPERTY
PSONC	- PRESTRESSED CONCRETE
PT	- PAINT
PTCONC	- POST TENSIONED CONCRETE
PTD	- PAPER TOWEL DISPENSER
PTN	- PARTITION
PTR	- PAPER TOWEL RECEPTOR
PVC	- POLYVINYL CHLORIDE
PVG	- PAVE(D), (ING)
PVMT	- PAVEMENT

ABBREVIATIONS T-Y

QT	- QUARRY TILE
QTB	- QUARRY TILE BASE
QTF	- QUARRY TILE FLOOR
QTR	- QUARTER
QTY	- QUANTITY
R	- RISER
RA	- RETURN AIR
RAB	- RABBET
RAD	- RADIUS
RB	- RESILIENT BASE
RBR	- RUBBER
RCP	- REINFORCED CONCRETE PIPE
RCVR	- RECEIVER
RD	- ROOF DRAIN
RDGINS	- RIGID INSULATION
RDWY	- ROADWAY
REBAR	- REINFORCING STEEL BARS
REC	- RECESSED
RECT	- RECTANGULAR
REF	- REFERENCE
REFL	- REFLECT(ED), (IVE), (OR)
REFR	- REFRIGERATOR
REG	- REGISTER
REINF	- REINFORCE(D), (ING), (MENT)
REM	- REMOVABLE
REP	- REPAIR
REPL	- REPLACE
REQ	- REQUIRE/REQUIRED
REQD	- REQUIRED
RESIL	- RESILIENT
RET	- RETURN
REV	- REVISION(S), REVISED
RF	- RESILIENT FLOORING
RFG	- ROOFING
RFH	- ROOF HATCH
RH	- RIGHT HAND
RHMS	- ROUND HEAD MACHINE SCREW
RHR	- RIGHT HAND REVERSE
RHWS	- ROUND HEAD WOOD SCREW
RL	- ROOF LEADER
RLG	- RAILING
RM	- ROOM
RN	- REFERENCE NORTH
RND	- ROUND
RO	- ROUGH OPENING
ROW	- RIGHT OF WAY
RS	- ROUGH SAWN
RTF	- RUBBER TILE FLOORING
RTU	- ROOF TOP UNIT
RV	- ROOF VENT
RVL	- REVEAL
RVS	- REVERSE (SIDE)
RVT	- RIVET(ED)
RWD	- REDWOOD
RWL	- RAIN WATER LEADER
S	- SOUTH
S2S	- SURFACED TWO SIDES
S4S	- SURFACED FOUR SIDES
SA	- SUPPLY AIR
SALV	- SALVAGE
SAT	- SUSPENDED ACOUSTICAL TILE
SB	- SPLASH BLOCK
SBSTR	- SUBSTRATE
SC	- SOLID CORE
SCD	- SEAT COVER DISPENSER
SCHED	- SCHEDULE
SCP	- SCUPPER
SCRN	- SCREEN
SD	- STORM DRAIN
SDBL	- SANDBLAST
SECT	- SECTION
SED	- SEE ELECTRICAL DRAWING
SGL	- SINGLE
SHR	- SHOWER
SHT	- SHEET(ING)
SHTHG	- SHEATHING
SHV	- SHELVES (ING)
SIM	- SIMILAR
SKLT	- SKYLIGHT
SLD	- SEALED
SLD	- SEE LANDSCAPE DRAWING
SLDG	- SLIDE (ING)
SLDR	- SOLDER
SLNT	- SEALANT
SLV	- SLEEVE
SMACNA	- SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION
SMD	- SEE MECHANICAL DRAWING
SMLS	- SEAMLESS
SND	- SANITARY NAPKIN DISPENSER
SNDINS	- SOUND INSULATION
SNDU	- SANITARY NAPKIN DISPOSAL UNIT
SNT	- SEALANT
SOG	- SLAB ON GRADE
SPC	- SUSPENEDED PLASTER CEILING
SPD	- SEE PLUMBING DRAWING
SPEC	- SPECIFICATION(S) (ED)
SPRT	- SUPPORT
SQ	- SQUARE
SSD	- SEE STRUCTURAL DRAWING
SSK	- SERVICE SINK
SST	- STAINLESS STEEL
S. STL	- STAINLESS STEEL
ST. STL	- STAINLESS STEEL
STA	- STATION
STAG	- STAGGERED
STC	- SOUND TRANSMISSION CLASS
STD	- STANDARD
STG	- SEATING
STIF	- STIFFENER
STIR	- STIRRUP
STL	- STEEL
STOR	- STORAGE
STG	- STRAIGHT
ST	- STREET
STRCT	- STRUCTURAL
STU	- STRUCT
SUSP	- SUSPENDED
SV	- SHEET VINYL
SYMM	- SYMMETRICAL
SYNTH	- SYNTHETIC
SYS	- SYSTEM

SYMBOLS

T	- TREAD
T & B	- TOP AND BOTTOM
T & G	- TONGUE AND GROOVE
TB	- THRU BOLT
TBE	- THREADED BOTH END
TBM	- TEMPORARY BENCH MARK
TD	- TOWEL DISPENSER
TDR	- TOWEL DISPENSER / RECEPTACLE
TEL	- TELEPHONE
TEMP	- TEMPORARY
TER	- TERRAZZO
TFA	- TO FLOOR ABOVE
TFB	- TO FLOOR BELOW
THD	-THREAD(ED)
THERM	- THERMAL
THK	- THICK(NESS)
THRES	- THRESHOLD
TKBD	- TACKBOARD
TMPD	- TEMPERED
TOB	- TOP OF BEAM
TOC	- TOP OF CURB
TOF	- TOP OF FOOTING
TOFF	- TOP OF FINSH FLOOR
TOJ	- TOP OF JOIST
TOL	- TOLERANCE
TOM	- TOP OF MASONRY
TOP	- TOP OF PARAPET
TOPV	- TOP OF PAVEMENT
TOS	- TOP OF STEEL
TOW	- TOP OF WALL
TPD	- TOILET PAPER DISPENSER
TPTN	- TOILET PARTITION
TS	- TUBE STEEL
TWLB	- TOWEL BAR
TV	- TELEVISION
TYP	- TYPICAL
UC	- UNDERCUT
UGND	- UNDERGROUND
UL	- UNDERWRITERS LABORATORY
UNFIN	- UNFINISHED
UON	- UNLESS OTHERWISE NOTED
UR	- URINAL
VAR	- VARIES
VB	- VINYL BASE
VCT	- VINYL COMPOSITION TILE
VERT	- VERTICAL
VEST	- VESTIBULE
VFAT	- VINYL FACED ACOUSTIC TILE
VIF	- VERIFY IN FIELD
VJ	- V-JOINT(ED)
VNR	- VENEER
VR	- VAPOR RETARDER
VTR	- VENT THROUGH ROOF
VWC	- VINYL WALL COVERING
W/	- WITH
W/W	- WALL TO WALL
W/O	- WITHOUT
W	- WEST
WBL	- WOOD BLOCKING
WC	- WATER CLOSET
WD	- WOOD
WDP	- WOOD PANELING
WDW	- WINDOW
WF	- WIDE FLANGE
WFS	- WOOD FURRING STRIP
WGL	- WIRED GLASS
WH	- WALL HUNG
WI	- WROUGHT IRON
WID	- WIDTH, WIDE
WLD	- WELD(ED)
WM	- WIRE MESH
W.O.	- WHERE OCCURS
WP	- WATERPROOF(ING)
WPT	- WORK POINT
WR	- WIRE ROPE
WRB	- WATER RESISTANT BARRIER
WS	- WOOD SCREW
WSCT	- WAINSCOT
WT	- WEIGHT
WWF	- WELDED WIRE FABRIC
XBRACE	- CROSS BRACE
XFMR	- TRANSFORMER
XSECT	- CROSS SECTION
YCO	- YARD CLEANOUT
YD	- YARD

SYMBOLS

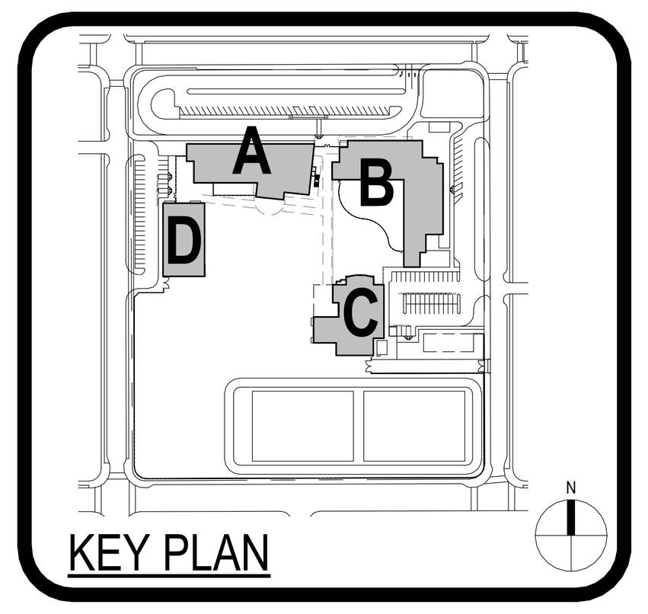
&	- AND
	- ANGLE
@	- AT
CL	- CENTERLINE
	- CHANNEL
Ø	- DIAMETER OR ROUND
(E)	- EXISTING
(N)	- NEW
d	- PENNY (NAILS)
	- PERPENDICULAR
PL	- PLATE
#	- POUND OR NUMBER

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-121607 INC: 1
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 7/26/2024

ARCHITECT PBK, Inc.
PBK.com
BERKELEY
2600 Tenth Street, Suite 700
Berkeley, CA 94710-2597
510-450-1999 P

SHAMROCK HILLS SCHOOL INCREMENT 1
5500 HORIZON PKWY, DUBLIN, CA 94568

CLIENT LOGO



KEY PLAN

CONSULTANT'S LOGO

LICENSED ARCHITECT
LANCE ULRICH KUTZ
C-33439
REN. MAY 31, 2025
STATE OF CALIFORNIA

CLIENT
DUBLIN UNIFIED SCHOOL DISTRICT

DATE	PROJECT NUMBER
03/01/2024	230466

DRAWING HISTORY

No.	Description	Date

50% CONSTRUCTION DOCUMENTS

ARCHITECTURAL DRAWING ABBREVIATIONS

G0.04i1

FILE PATH: Autodesk Docs://Dublin USD_230466_Boulevard TK-8 School/AR23_230466_BLVD TK-8_Inc1-Site.rvt

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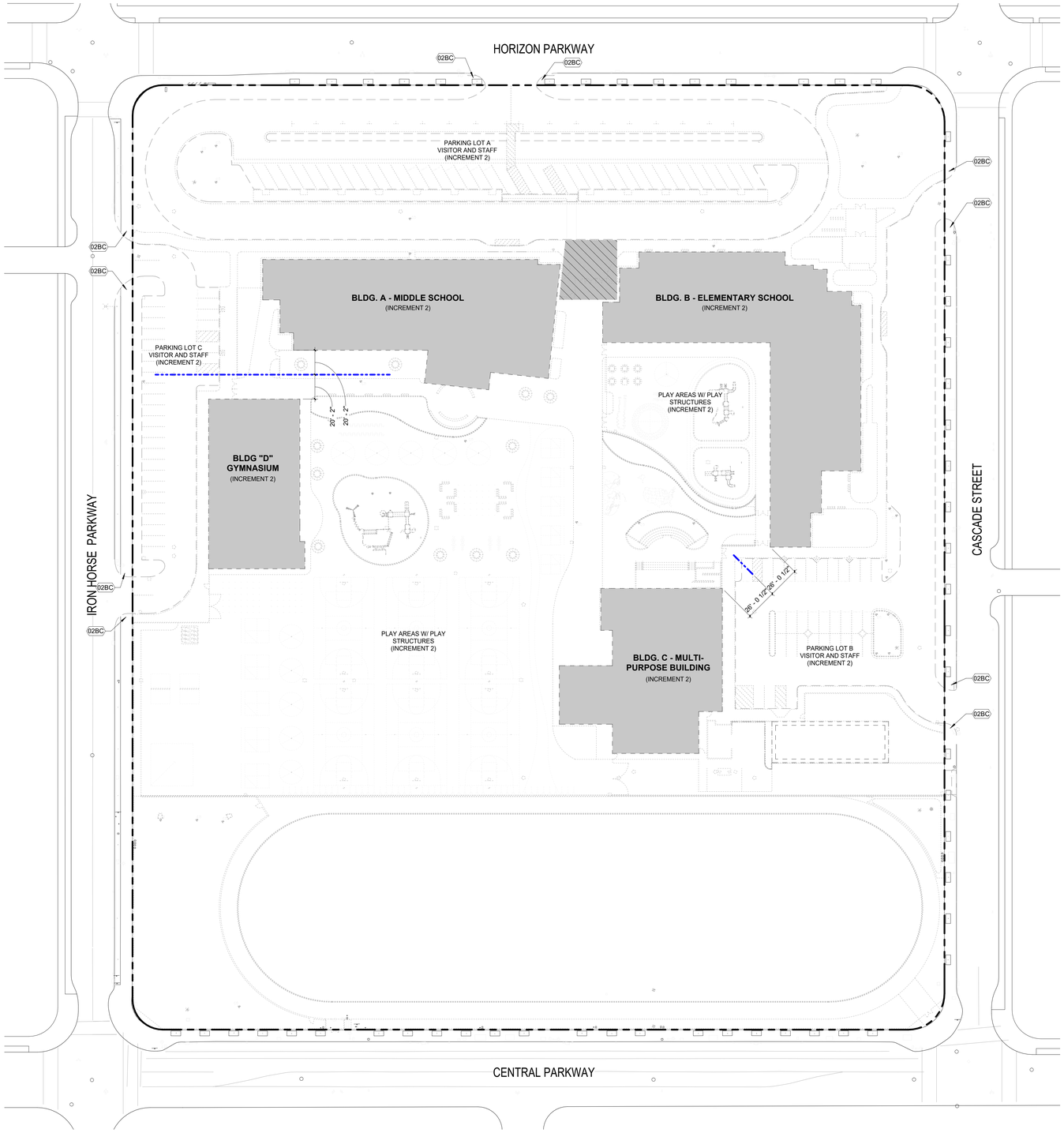
7/12/2024 4:03:40 PM

SITE SUMMARY
G0.05i1
FOR BLUEBEAM LABELINGDOOR:

0"
1"



BUILDING LAYOUT PLAN (REFERENCE ONLY) | 1" = 40'-0" | 12

SITE SUMMARY NOTES:

1. THIS SITE PLAN IS FOR BUILDING LAYOUT REFERENCE ONLY.
2. ALL VERTICAL CONSTRUCTION, FINISH GRADING, PAVING, LANDSCAPE, AND SITE FURNISHINGS TO BE INCLUDED IN INCREMENT #2.
3. FIRE & LIFE SAFETY SITE CONDITIONS (DSA 810) TO BE PROVIDED IN INCREMENT #2

GENERAL NOTES & LEGEND

GENERAL NOTES:

1. REFER TO GENERAL NOTES ON SHEET G0.01 FOR GENERAL REQUIREMENTS.
2. ALL EXISTING UTILITIES AND IMPROVEMENTS THAT BECOME DAMAGED DURING CONSTRUCTION SHALL BE COMPLETELY RESTORED TO THE SATISFACTION AND AT NO ADDITIONAL COST TO THE OWNER.
3. REFER TO CIVIL DRAWINGS FOR UTILITIES, GRADING, AND SIGNAGE INFORMATION.

LEGEND:

- PROPERTY LINE
- ASSUMED PROPERTY LINE

PER CBC TABLE 705.8 MAXIMUM AREA OF EXTERIOR WALL OPENINGS BASED ON FIRE SEPARATION DISTANCE AND DEGREE OF OPENING PROTECTION:
- 20' TO LESS THAN 25' W/ SPRINKLERED, THE ALLOWABLE AREA IS NO LIMIT.

- FUTURE BUILDING - NOT IN SCOPE
- PROPOSED BUILDINGS, REF INC 2: BUILDINGS A, B, C, & D
- INC 2 ENTRY CANOPY, REF INC 2
  NOTE:
  PER CBC CHAPTER 35, NFPA 13, SECTION 9.2.3.1, SPRINKLERS SHALL BE PERMITTED TO BE OMITTED WHERE THE EXTERIOR CANOPIES ARE CONSTRUCTED WITH MATERIALS THAT ARE NONCOMBUSTIBLE. FOR ENTRY CANOPY ASSEMBLY, REF SHEET A1.2.

REFERENCE NOTES

KEYNOTE	DESCRIPTION
02BC	4' MIN LEVEL ACCESSIBLE CROSSING AT ALL DRIVEWAYS, REF INC 2

INCREMENT 2 BUILDING CODE ANALYSIS

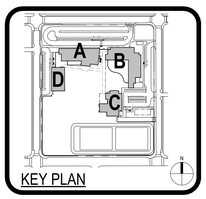
DESCRITION	BLDG A - MIDDLE SCHOOL, ENTRY CANOPY, & BLDG B - ELEMENTARY SCHOOL COMBINED CODE ANALYSIS	BUILDING C: MULTI-PURPOSE BUILDING CODE ANALYSIS	BUILDING D: GYMNASIUM CODE ANALYSIS
1. OCCUPANCY GROUP:	A-3, B, E	A-2, A-3, E	A-4, E
2. CONSTRUCTION TYPE:	V-A	V-B	V-B
3. AUTOMATED SPRINKLER SYSTEM:	YES	YES	YES

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-121607 INC: 1
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 7/26/2024

ARCHITECT PBK, Inc.
PBK.com
BERKELEY
2600 Tenth Street, Suite 700
Berkeley, CA 94710-2597
510-450-1999 P

SHAMROCK HILLS SCHOOL INCREMENT 1
5500 HORIZON PKWY, DUBLIN, CA 94568

CLIENT LOGO
DUBLIN UNIFIED School District



KEY PLAN

CONSULTANT'S LOGO

LICENSED ARCHITECT
DIVISION OF THE STATE ARCHITECT
RENEWAL 08/31/2025
STATE OF CALIFORNIA

CLIENT
DUBLIN UNIFIED SCHOOL DISTRICT
DATE 03/01/2024
PROJECT NUMBER 230466

DRAWING HISTORY

No.	Description	Date

50% CONSTRUCTION DOCUMENTS

SITE SUMMARY

G0.05i1

FILE PATH: Autodesk Docs://Dublin USD_230466_Boulevard TK-8 School/AR23_230466_BLVD TK-8_Incr1-Site.rvt
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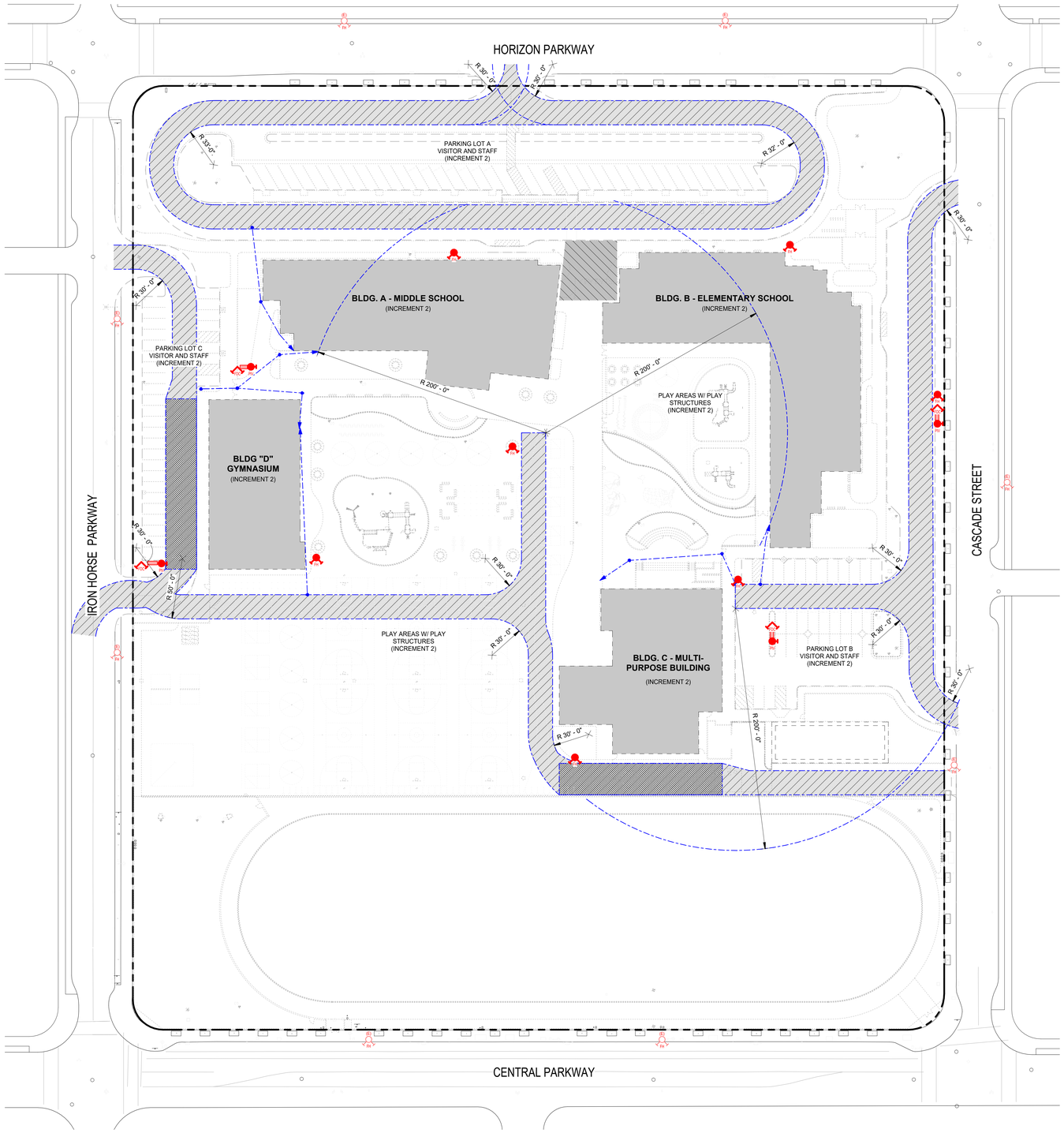
FIRE AND LIFE SAFETY SITE PLAN

G0.06i1

FOR BLUEBEAM LABELINGDOCR:

0"

1"



FIRE AND LIFE SAFETY SITE PLAN | 1" = 40'-0" | 12

LOCAL FIRE MARSHAL APPROVAL

DSA **810**

FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

Division of the State Architect (DSA) documents referenced within this publication are available on the DSA Forms or DSA Publications webpages.

To facilitate the Division of the State Architect's (DSA) fire and life safety plan review of project site conditions, DSA requires the design professional to provide the following information at time of project submittal for projects consisting of construction of a new campus, construction of new building(s), additions to existing buildings, and for site alternate design means for fire department emergency vehicle access, and fire suppression water supply.

Information associated with compliance items 1 through 3 below is to be provided for all project types indicated above. Information associated with items 4 through 7 is to be completed when an alternate means is utilized. Acknowledgement by the school district and signature from the Local Fire Authority (LFA) is only required when an alternate design means is being requested.

The Project Information and Fire & Life Safety Information sections are to be completed for all projects and imaged onto the fire access site plan. When an alternate design/means is proposed, all sections on pages 1 and 2 are to be completed and imaged on the fire access site plan.

For additional information refer to the instructions at the end of this form and DSA Policy *PI, 09-01: Fire Flow for Buildings*.

PROJECT INFORMATION	
School District/Owner:	Dublin Unified School District
Project Name/School:	Shamrock Hills TK-8 School
Project Address:	5500 Horizon Pkwy, Dublin, CA 94568

FIRE & LIFE SAFETY INFORMATION				
1.	Has a fire hydrant flow test been performed within the past 12 months? *(If yes, provide a copy of the test data.)*	Yes ☑		No ☐
2.	Was the fire hydrant water flow test performed as part of this LFA review?	Yes ☐		No ☑
3.	Is the project located within a designated fire hazard severity zone (FHSZ) as established by Cal-Fire? *(If yes, indicate FHSZ classification below.)*	Yes ☐		No ☑
	Refer to the following website for FHSZ locations: http://osfm.fire.ca.gov/FHSZ	Moderate ☐	High ☐	Very High ☐
	Wildland Interface Area (WIFA) *(If any designations are checked, project design must meet the requirements of CBC Chapter 7A.)*			WIFA ☐

DSA 810

FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

CONDITION MEANS AND METHODS RESOLUTION		ALTERNATE ACCEPTED			
		Yes	No	N/A	N/R
4.	Emergency vehicle access roadways do not meet CFC requirements.			✓	
4a.	**Acceptable Alternate:** Emergency vehicle and personnel access as proposed by the project architect is acceptable for providing fire suppression and protection of life and property.				
5.	**Fire Hydrants:** Number and spacing does not meet CFC requirements.				
5a.	**Acceptable Alternate:** Number of fire hydrants and spacing as proposed by the project architect is acceptable for fire suppression and protection of life and property.	✓			
6.	**Fire Hydrants:** Water flow and pressure are less than CFC minimum.			✓	
6a.	**Acceptable Alternate:** The available flow and pressure is acceptable for providing fire suppression and protection of life and property.				
7.	Location of fire department connection(s) serving fire sprinkler systems or standpipe systems does not meet CFC requirements.			✓	
7a.	**Acceptable Alternate:** The location of fire department connection serving the fire sprinkler system and/or standpipe system is acceptable for providing fire suppression and protection of life and property.				

School District Acceptance of Acceptable Design Alternates

By signing this form, the school district acknowledges and accepts the proposed design as an alternative to California Building Code (CBC) and California Fire Code (CFC) minimum requirements, as indicated by one or more of the conditions indicated at items 4a, 5a, 6a or 7a, for providing fire and life safety protection of life and property.

Accepted by: Owen Fish Title: Sr. Director of Facilities

Signature: _____ Date: 7/18/2024

LOCAL FIRE AUTHORITY (LFA) INFORMATION			
LFA Agency Name:	Alameda County Fire Department		
LFA Review Official:	Anita Tsui		
Title:	Fire Plan Checker	Work Phone:	(925) 833-3473
Work Email:	anita.tsui@acgov.org		

LFA Reviewer's Signature: Anita Tsui Date: 07/25/2024

GENERAL NOTES & SITE LEGEND

NOTE:

1. NEW BUILDINGS SHALL BE PROVIDED WITH EMERGENCY RESPONDER RADIO COVERAGE IN ACCORDANCE WITH CALIFORNIA FIRE CODE SECTION 510. THE PROJECT ARCHITECT (AOR) SHALL CONTACT THE LOCAL FIRE DEPARTMENT AND/OR EMEGENCY COMMUNICATIONS AUTHORITY TO OBTAIN DESIGN, EQUIPMENT SPECIFICATIONS, TESTING AND ACCEPTANCE CRITERIA, PLANS AND REQUESTED DOCUMENTATION SHALL BE SUBMITTED TO THE LOCAL AUTHORITY HAVING JURISDICTION FOR REVIEW AND APPROVAL. UPON COMPLETION, COPIES OF THE APPROVED PLANS, EQUIPMENT DATA SHEETS, TESTING AND ACCEPTANCE DOCUMENTATION SHALL BE PROVIDED TO THE SCHOOL DISTRICT.

PROPERTY LINE

(E) / NEW FIRE HYDRANT, REF INC 2

(E) / NEW PIV - POST INDICATOR VALVE, UON. REF INC 2

(E) FW BFP - FIRE WATER BACKFLOW PREVENTER, REF INC 2

FUTURE BUILDING - NOT IN SCOPE

PROPOSED BUILDINGS, REF INC 2:
BUILDINGS A, B, C, & D

ENTRY CANOPY, REF INC 2
NOTE:
PER CBC CHAPTER 35, NFPA 13, SECTION 9.2.3.1, SPRINKLERS SHALL BE PERMITTED TO BE OMITTED WHERE THE EXTERIOR CANOPIES ARE CONSTRUCTED WITH MATERIALS THAT ARE NONCOMBUSTIBLE. FOR ENTRY CANOPY ASSEMBLY, REF SHEET A1.2.

20' FIRE DEPARTMENT EMERGENCY ACCESS "FIRE LANE" - INC 2

150' ACCESS[1] SHALL BE PROVIDED TO ALL PORTIONS OF THE FACILITY AND ALL EXTERIOR WALLS OF THE FIRST STORY OF BUILDINGS AS MEASURED BY AN APPROVED ACCESS ROUTE AROUND THE EXTERIOR OF THE BUILDING. ALL EMERGENCY ACCESS ROADS SHALL HAVE A 13'-6" FEET VERTICAL CLEARANCE AND AN UNOBSTRUCTED MINIMUM WIDTH OF 20'-0". FIRE ACCESS ROADS AND FIRE LANE SHALL MEET NFD STANDARDS #204.
[1] THE FIRE CODE OFFICIAL IS AUTHORIZED TO INCREASE THE DIMENSION OF 150 FEET WHERE THE BUILDING IS EQUIPPED THROUGHOUT WITH AN APPROVED AUTOMATIC SPRINKLER SYSTEM INSTALLED INACCORDANCE WITH SECTION. ALAMEDA COUNTY FIRE DEPARTMENT ALLOWS AN INCREASE DISTANCE TO 200 FT.

25' AERIAL FIRE ACCESS LANE - INCREMENT 2

REFERENCE NOTES

KEYNOTE	DESCRIPTION

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-121607 INC: 1
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SS ☑ FLS ☑ ACS ☑
DATE: 7/26/2024

PBK

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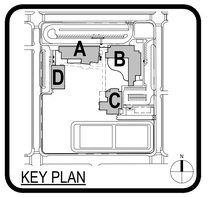
PBK, Inc.
PBK.com
BERKELEY
2600 Tenth Street, Suite 700
Berkeley, CA 94710-2597
510-450-1999 P

SHAMROCK HILLS SCHOOL INCREMENT 1

5500 HORIZON PKWY, DUBLIN, CA 94568

CLIENT LOGO

DUBLIN UNIFIED School District



KEY PLAN

CONSULTANT'S LOGO

LICENSED ARCHITECT
ANITA TSUI
RENEWAL 31-AUG-2025
STATE OF CALIFORNIA

CLIENT
DUBLIN UNIFIED SCHOOL DISTRICT

DATE	PROJECT NUMBER
03/01/2024	230466

DRAWING HISTORY

No.	Description	Date

50% CONSTRUCTION DOCUMENTS

FIRE AND LIFE SAFETY SITE PLAN

G0.06i1

FILE PATH: Autodesk Docs://Dublin USD_230466_Boulevard TK-8 School/AR23_230466_BLVD TK-8_Inc1-Site.rvt

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PLOT STAMP:
7/12/2024 4:03:43 PM

FOR BLUEBEAM LABELING/OCR:

0"

1"

SHAMROCK HILL TK-8 SCHOOL INCREMENT 1

100% CONSTRUCTION DOCUMENTS

CITY OF DUBLIN, ALAMEDA COUNTY, CALIFORNIA

VICINITY MAP
NOT TO SCALE

BASIS OF BEARINGS

THE COORDINATES SHOWN HEREON ARE BASED ON THE COORDINATE SYSTEM OF 1983, CC83, ZONE 3, USING LEICA RTK NETWORK SMARTNET.

BENCHMARK

THE ELEVATIONS SHOWN HEREON ARE BASED UPON THE VERTICAL DATUM OF 1988 AND WERE ESTABLISHED USING LEICA RTK NETWORK SMARTNET.

PROJECT INFORMATION

OWNER: DUBLIN UNIFIED SCHOOL DISTRICT
7471 LARKDALE AVE
DUBLIN, CA 94568
PHONE: (925) 828-2551
FAX: (925) 829-6532

AP NUMBER: 986-0069-001

TOTAL PARCEL AREA: 12± ACRES

PROJECT CONTACTS:

UTILITY PROVIDERS

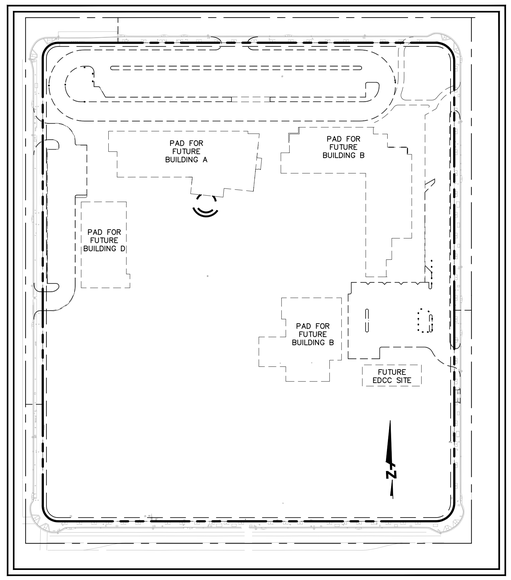
WATER AND SEWER — **DUBLIN SAN RAMON SERVICES DISTRICT**
7051 DUBLIN BLVD,
DUBLIN, CA 94568
(925) 828-0515

STORM: — **CITY OF DUBLIN PUBLIC WORKS**
100 CIVIC PLAZA
DUBLIN, CA 95468
(925) 833-6630

SEWER & RECYCLED WATER: — **NAPA SANITATION DISTRICT**
1515 SOSCOL FERRY ROAD
NAPA, CALIFORNIA 94558
(707) 258-6000
MATT LEMMON

GAS & ELECTRIC: — **PACIFIC GAS & ELECTRIC**
1850 GATEWAY BLVD,
8TH FLOOR, CONCORD
CA, 94520
(800) 468-4743

TELEPHONE: — **AT&T CORPORATE OFFICES**
5005 EXECUTIVE PARKWAY
SAN RAMON, CA 94583



SITE PLAN
SCALE: 1"=100'

SHEET INDEX

FILE PATH:

CHECKED BY:

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PLOT STAMP:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-121607 INC: 1
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 7/26/2024

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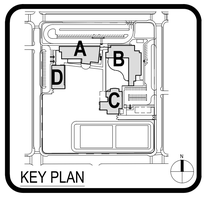
PBK.com
BERKELEY
2600 Tenth Street, Suite 700
Berkeley, CA 94710-2697
510-450-1999 P

SHAMROCK HILLS TK-8 SCHOOL INCREMENT 1
DUBLIN, CA
DSA APPL NO. ##-###### DSA FILE NO. ##-##

CLIENT LOGO
DUBLIN UNIFIED School District



CONSULTANT LOGO
BKF
1646 N. CALIFORNIA BLVD
SUITE 400
WALNUT CREEK, CA 94596
(925) 940-2200
www.bkf.com

DISCIPLINE
REGISTERED PROFESSIONAL ENGINEER
ERIC S. SWANSON
No. 84007
CIVIL
STATE OF CALIFORNIA
07/12/2024

CLIENT
DUBLIN UNIFIED SCHOOL DISTRICT

DATE	PROJECT NUMBER
07/01/2024	230466

DRAWING HISTORY

No.	Description	Date

PROJECT STATUS

COVER SHEET

C0.0i1

FOR BLUEBEAM LABELING/OCR:

0"

1"

PUBLIC WORKS GENERAL NOTES

1. ALL MATERIAL AND WORKMANSHIP SHALL FULLY CONFORM WITH THE SPECIFICATIONS, STANDARDS, AND ORDINANCES OF THE CITY OF DUBLIN.
2. THE OFFICE OF PUBLIC WORKS INSPECTION SHALL BE NOTIFIED AT LEAST 24 HOURS IN ADVANCE OF ANY WORK.
3. IT SHALL BE CONTRACTORS RESPONSIBILITY TO DETERMINE THE EXISTING AND LOCATION OF ALL UTILITIES. THE UNDERGROUND CONTRACTOR SHALL NOTIFY UTILITY COMPANIES AT LEAST 48 HOURS IN ADVANCE OF CONSTRUCTION TO FIELD LOCATE UTILITIES. CONTACT UNDERGROUND SERVICE ALERT AT 1-800-227-2600.
4. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY FIELD CHANGES MADE WITHOUT WRITTEN AUTHORIZATION FROM THE CITY ENGINEER.
5. CONTRACTOR SHALL PROVIDE ADEQUATE TRAFFIC CONTROLS AND SHALL SUBMIT A TRAFFIC CONTROL PLAN.
6. ALL EXISTING UTILITES AND PRIVATE IMPROVEMENTS THAT BECOME DAMAGED DURING CONSTRUCTION SHALL BE COMPLETELY RESTORED TO THE SATIFACTION OF THE CITY ENGINEER AT CONTRACTOR'S SOLE EXPENSE.
7. THE CONTRACTOR AGREES THAT, IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES. THE CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETELY RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY AND THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT JUST DURING NORMAL WORKING HOURS.
8. SHOULD IT APPEAR THAT THE WORK TO BE DONE OR ANY MATTER RELATIVE THERETO, IS NOT SUFFICIENTLY DETAILED OR EXPLAINED ON THESE PLANS, THE CONTRACTOR SHALL CONTACT THE ENGINEER FOR SUCH FURTHER EXPLANATIONS AS MAY BE NECESSARY. EXISTING UTILITIES SHALL BE MAINTAINED IN SERVICE AND IN PLACE BY THE CONTRACTOR DURING CONSTRUCTION UNLESS OTHERWISE SHOWN.
9. ALL USA MARKING TO BE REMOVED AT END OF CONSTRUCTION.
10. THE ELEVATIONS SHOWN HERON ARE BASED UPON THE VERTICAL DATUM OF 1988 AND WERE ESTABLISHED USING LEICA RTK NETWORK SMARTNET. THE COORDINATES SHOWN HERON AREA BASED ON THE COORDINATE SYSTEM OF 1983, CC83, ZONE 3, USING LEICA RTK NETWORK SMARTNET. FIELD SURVEY DATE 11/28/2023.
11. REVIEW OF PLANS DOES NOT RELIEVE THE OWNER / DEVELOPER OF RESPONSIBILITY FOR CORRECTION OF MISTAKES, ERRORS OR OMISSIONS. FINAL APPROVAL OF CONSTRUCTION OR INSTALLATION SUBJECT TO INSPECTION TEST AND ACCEPTANCE.
12. PRIOR TO THE START OF CONSTRUCTION, THE DEVELOPER AND / OR CONTRACTOR SHALL CONTACT THE CITY'S PUBLIC WORKS DEPARTMENT AT (925) 833-6630 AND REQUEST A PRECONSTRUCTION CONFERENCE.
13. THESE PLANS SHOW EXISTING FEATURES INCLUDING, BUT NOT LIMITED TO TREES, UTILITIES, AND STRUCTURES THAT MAY BE AFFECTED BY THE CONSTRUCTION OR PLACEMENT OF THE PROPOSED ENGINEERED IMPROVEMENTS. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER IF THERE ARE ANY EXISTING FEATURES, WHETHER SHOWN OR NOT SHOWN ON THESE PLANS THAT COULD IN ANY WAY BE IN POTENTIAL CONFLICT WITH THE DESIGN OF THESE PLANS. ALL WORK WITHIN THE VICINITY OF A POTENTIAL CONFLICT SHALL CEASE UNTIL AN ADEQUATE AND APPROPRIATE SOLUTION IS DETERMINED BY THE ENGINEER AND APPROVED BY THE PUBLIC WORKS DEPARTMENT.
14. SHOULD IT APPEAR THAT THE WORK TO BE DONE, OR ANY MATTER RELATIVE THERETO, IS NOT SUFFICIENTLY DETAILED OR EXPLAINED ON THESE PLANS, THE CONTRACTOR SHALL CONTACT JOSEPH YOUNG AT (925) 940-2210 FOR SUCH FURTHER EXPLANATIONS AS MAY BE NECESSARY.
15. ALL REVISIONS TO THIS PLAN MUST BE REVIEWED BY THE PUBLIC WORKS DEPARTMENT PRIOR TO CONSTRUCTION AND SHALL BE ACCURATELY SHOWN ON REVISED PLANS SIGNED BY THE CITY ENGINEER.
16. A GRADING PERMIT FROM THE PUBLIC WORKS DEPARTMENT WILL BE REQUIRED FOR ALL GRADING AND / OR WORK ON-SITE.
17. ALL GRADING AND PUBLIC IMPROVEMENTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PROVISIONS OF THE CURRENT CITY ORDINANCES AND STANDARD PLANS. THE GRADING AND IMPROVEMENTS ARE SUBJECT TO THE INSPECTION AND APPROVAL OF THE PUBLIC WORKS DEPARTMENT. INSPECTION SHALL BE SCHEDULED WITH THE PUBLIC WORKS DEPARTMENT AT (925) 833-6630 AT LEAST TWO WORKING DAYS PRIOR TO THE START OF CONSTRUCTION.
18. CALL BEFORE YOU DIG! NOTIFY UNDERGROUND SERVICE ALERT (USA) AT (800) 227-2600 AT LEAST TWO WORKING DAYS PRIOR TO ANY EXCAVATION. THE USA AUTHORIZATION NUMBER SHALL BE KEPT AT THE JOBSITE.
19. THE DEVELOPER / CONTRACTOR IS REQUIRED BY STATE LAW TO ACTIVELY RESEARCH WORK AREA PRIOR TO CONSTRUCTION, REFERENCE MONUMENTS AND REPLACE THOSE DAMAGED OR REMOVED DURING CONSTRUCTION.
20. ALL GRADING TO BE ACCOMPLISHED PER THE RECOMMENDATIONS IN THE SOILS REPORT " SELECT CONCLUSIONS AND RECOMMENDATIONS, BOULEVARD TK-8 SCHOOL, HORIZON PARKWAY AND IRON HORSE PARKWAY, DUBLIN, CA" PREPARED BY BKF ASSOCIATES DATED FEBRUARY 20, 2024.
21. THE SOILS ENGINEER SHALL INSPECT AND TEST THE EXCAVATION, PLACEMENT OF FILLS AND BACKFILLING AND COMPACTION OF TRENCHES. THE SOILS ENGINEER SHALL SUBMIT SOILS REPORTS AS REQUIRED AND WILL DETERMINE THE SUITABILITY OF ANY FILL MATERIAL. UPON COMPLETION OF GRADING OPERATION THE SOILS ENGINEER SHALL STATE IN A REPORT TO THE CITY OF DUBLIN THAT INSPECTIONS AND TESTS WERE MADE BY HIM/HER OR UNDER HIS/HER SUPERVISION AND THAT IN HIS/HER OPINION ALL EMBANKMENTS AND EXCAVATION WERE CONSTRUCTED IN ACCORDANCE WITH THE APPROVED GRADING PLANS AND APPROVED REVISION THERETO AND ALL EMBANKMENTS AND EXCAVATIONS ARE ACCEPTABLE FOR THEIR INTENDED USE.
22. EROSION AND SEDIMENT CONTROL FACILITIES SHALL BE INSTALLED PRIOR TO OCTOBER 1 AND SHALL BE MAINTAINED DAILY UNTIL APRIL 30. THESE FACILITIES SHALL CONTROL AND CONTAIN EROSION-CAUSED SILT DEPOSITS AND PROVIDE FOR THE SAFE DISCHARGE OF SILT-FREE STORM WATERS INTO EXISTING STORM DRAIN FACILITIES. EROSION AND SEDIMENT CONTROL SUPPLIES MUST BE KEPT ON-SITE DURING THE DRY SEASON AND EMPLOYED, AS NECESSARY PRIOR TO AND DURING RAIN EVENTS. DESIGN OF THESE FACILITIES MUST BE APPROVED / UPDATED EACH YEAR PRIOR TO SEPTEMBER 30 AND SHALL BE SIGNED BY THE CITY ENGINEER, OR HIS DESIGNEE.
23. SEASONALLY APPROPRIATE BEST MANAGEMENT PRACTICES FOR THE FOLLOWING SIX (6) SITE MANAGEMENT CATEGORIES MUST BE IMPLEMENTED YEAR-ROUND: (1) EROSION CONTROL, (2) RUN-ON AND RUN-OFF CONTROL, (3) SEDIMENT CONTROL, (4) GOOD SITE MANAGEMENT AND HOUSEKEEPING, (5) NON-STORMWATER MANAGEMENT, AND (6) ACTIVE TREATMENT SYSTEMS, AS NECESSARY.
24. IF, DURING CONSTRUCTION, ARCHAEOLOGICAL REMAINS ARE ENCOUNTERED, CONSTRUCTION IN THE VICINITY SHALL BE HALTED, AN ARCHAEOLOGIST CONSULTED, AND THE CITY PLANNING DEPARTMENT NOTIFIED. IF, IN THE OPINION OF THE ARCHAEOLOGIST, THE REMAINS ARE SIGNIFICANT, MEASURES, AS MAY BE REQUIRED BY THE PLANING DIRECTOR, SHALL BE TAKEN TO PROTECT THEM.
25. IF CONTRACTOR SHALL DESIGN, CONSTRUCT AND MAINTAIN ALL SAFETY DEVICES, INCLUDING SHORING, AND SHALL BE RESPONSIBLE FOR CONFORMANCE TO ALL LOCAL, STATE AND FEDERAL SAFETY AND HEALTH STANDARDS, LAWS AND REGULATIONS.
26. A CALIFORNIA DIVISION OF OCCUPATIONAL SAFETY AND HEALTH (CAL OSHA) PERMIT SHALL BE OBTAINED FOR TRENCHES FIVE FEET OR GREATER IN DEPTH. A COPY OF THIS PERMIT SHALL BE SUPPLIED TO THE PUBLIC WORKS DEPARTMENT. AN ADDITIONAL COPY SHALL BE KEPT AT THE JOBSITE AT ALL TIMES.
27. ALL NEW UTILITY DISTRIBUTION SERVICES SHALL BE PLACED UNDERGROUND.
28. PRIOR TO PLACING CURB, GUTTER, SIDEWALK, ASPHALT CONCRETE, SUBBASE, OR BASE MATERIAL, ALL UNDERGROUND FACILITIES WITHIN THE RIGHT-OF-WAY SHALL BE INSTALLED, BACKFILL COMPLETED, AND THE PUBLIC WORKS DEPARTMENT NOTIFIED BY EACH OF THE UTILITY COMPANIES HAVING FACILITIES WITHIN THE WORK AREA, THAT THE UTILITY INSTALLATION HAS SATISFACTORILY PASSED ACCEPTANCE TESTS.
29. ALL MANHOLES OR INLETS OVER 5 FEET IN DEPTH SHALL BE PROVIDED WITH POLYPROPYLENE STEPS. THE STEPS SHALL BE INTEGRALLY CAST INTO THE WALLS OF THE MANHOLE OR INLET WHETHER PRECAST OR FILED CAST. THE STEPS SHALL BE INSTALLED IN ACCORDANCE WITH CALTRANS SPECIFICATIONS AND CITY OF DUBLIN / ALAMEDA COUNTY STANDARD PLANS, AND CAL OSHA REQUIREMENTS, IF APPLICABLE.
30. WHEN WIDENING THE PAVEMENT ON AN EXISTING PAVEMENT SHALL BE SAWCUT TO A NEAT LINE AND REMOVED BACK TO AN EXISTING ADEQUATE STRUCTURAL SECTION, OR TO THE ORIGINAL ROAD SECTION (1 FOOT MINIMUM). AN EXPLORATORY TRENCH, OR POTHOLING, MAY BE REQUIRED TO DETERMINE THE LIMITS OF PAVEMENT REMOVAL.
31. ALL RETAINING WALLS THAT WILL BE CONSTRUCTED WITH THE GRADING SHOWN ON THESE GRADING PLANS WILL REQUIRE A GRADING PERMIT FROM THE PUBLIC WORKS DEPARTMENT. ANY FUTURE RETAINING WALLS OVER THREE FEET IN HEIGHT (TWO-FEET WITH SURCHARGE) WILL REQUIRE A BUILDING PERMIT AND MUST BE SHOWN ON THE PLOT PLAN.
32. ALL PUBLIC STORM DRAIN LINES SHALL BE CLASS III RCP UNLESS OTHERWISE SPECIFIED ON THE PLANS.
33. NO TREES SHALL BE REMOVED UNLESS THEY ARE SHOWN AND NOTED TO BE REMOVED ON THE IMPROVEMENT PLANS. ALL TREES CONFLICTING WITH GRADING, UTILITIES, OR OTHER IMPROVEMENTS, OR OVERHANGING THE SIDEWALK OR PAVEMENT SO AS TO FORM A NUISANCE OR HAZARD, SHALL BE TRIMMED AND PROPERLY GRADED AND SEALED. THE DRIP LINE OF TREES TO BE SAVED WILL BE FENCED, AND NO GRADING SHALL TAKE PLACE WITHIN THIS FENCED AREA.
34. EXISTING PUBLIC IMPROVEMENTS THAT ARE DAMAGED BY THE PROJECT CONSTRUCTION SHALL BE REPAIRED OR REPLACED. EXISTING DAMAGED PUBLIC IMPROVEMENTS WITHIN THE PROJECT LIMITS SHALL BE REPAIRED OR REPLACED EVEN IF THE DAMAGE OCCURRED PRIOR TO THE START OF CONSTRUCTION.
35. ALL TRAFFIC STRIPING AND MARKINGS SHALL BE THERMOPLASTIC
36. ALL TRAFFIC STRIPING SHALL BE CAT-TRACKED PRIOR TO FINAL INSTALLATION. FINAL INSTALLATION OF STRIPING WILL BE ALLOWED ONLY AFTER APPROVAL OF THE STRIPING LAYOUT BY THE PUBLIC WORKS DEPARTMENT.
37. THE TYPICAL SECTION OF THE FOLLOWING LISTED STREETS SHALL BE CONTINUED THROUGH THE INTERSECTION.
38. THE THICKNESS OF SUBBASE, BASE, AND SURFACING SHALL BE BASED ON TRAFFIC INDEX AND SOILS TEST FOR "R" VALUE.
39. A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) FOR SHAMROCK HILLS TK-8 SCHOOL EXPANSION PROJECT HAS BEEN PREPARED FOR DUBLIN UNIFIED SCHOOL DISTRICT BY XXX ON XX/XX/XXXX. THE SWPPP CONTAINS A COPY OF THE "NOTICE OF INTENT" FILED WITH, LAST AMENDED THE STATE WATER QUALITY CONTROL BOARD. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR KEEPING A COPY OF THE SWPPP ONSITE AT ALL TIMES AND IMPLEMENTING ITS PROVISIONS. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING ALL SUBCONTRACTORS AND SUPPLIERS ARE AWARE OF AND IMPLEMENT THE MEASURES IN THE SWPPP.
40. AN ENCROACHMENT PERMIT WILL BE REQUIRED FOR ANY CONSTRUCTION ACTIVITY WITHIN A PUBLIC STREET RIGHT OF WAY THAT HAS BEEN ACCEPTED BY THE CITY.
41. A TRAFFIC CONTROL PLAN, PREPARED BY A REGISTERED CIVIL ENGINEER IN ACCORDANCE WITH THE CURRENT CALIFORNIA MUTCD, SHALL BE SUBMITTED FOR REVIEW AND APPROVAL BY THE CITY, A MINIMUM OF 10 DAYS PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITY THAT IMPACTS TRAFFIC ON PUBLIC STREETS (VEHICULAR, BICYCLE, OR PEDESTRIAN). A SEPARATE CONSTRUCTION HAUL ROUTE PLAN SHALL BE SUBMITTED FOR REVIEW AND APPROVAL BY THE CITY, A MINIMUM OF 1O DAYS PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITY THAT REQUIRES HAULING OF ANY CONSTRUCTION MATERIALS.

NOTES FOR UNDERGROUND PIPING FOR SPRINKLERS

1. PRIOR TO INSTALLATION, ALL PLANS AND SPECIFICATIONS SHALL BE APPROVED BY DSA. REFER TO DSA IR A-25 FOR DESIGN, INSTALLATION AND MAINTENANCE GENERAL REQUIREMENTS.
2. INSPECTIONS ARE REQUIRED: 1) PRIOR TO POURING THRUST BLOCKS. 2) FOR HYDROSTATIC TESTING, AND 3) FOR FLUSH.
3. INSTALLATION, INSPECTION, AND TESTING SHALL CONFORM TO 2016 EDITIONS CFC, NFPA 13 AND NFPA 24.
4. PRIVATE FIRE HYDRANTS SHALL BE APPROVED WET BARREL STYLE WITH A MINIMUM OF ONE $2\frac{1}{2}$" AND ONE 4" OUTLET. THE 4" OUTLET SHALL FACE THE FIRE DEPARTMENT ACCESS ROAD. ALL OUTLETS SHALL BE PROVIDED WITH NATIONAL STANDARD THREADS (NTS). NFPA 24, 7.1.1.2.
5. FIRE HYDRANT SUPPLY PIPING SHALL BE A MINIMUM OF SIX INCHES IN DIAMETER. THE CENTER OF THE HOSE OUTLET SHALL BE NOT LESS THEN 18" ABOVE FINAL GRADE OR, WHERE LOCATED IN A HOSE HOUSE, 12" ABOVE THE FLOOR. NFPA 24, 7.1.1 & 7.3.3.
6. FIRE HYDRANT SHALL BE A MINIMUM OF 40 FEET FROM ALL STRUCTURES. NFPA 24, 7.2.3.
7. A KEYED GATE VALVE SHALL BE PROVIDED FOR EACH HYDRANT IN AN ACCESSIBLE LOCATION. VALVES SHALL NOT BE LOCATED IN PARKING STALLS. NFPA 24, 7.1.1.1.
8. ALL PIPING SHALL BE LISTED FOR USE IN FIRE PROTECTION SERVICE AND COMPLY WITH AWWA STANDARDS (CLASS 150 MINIMUM) CLASS 200 PIPE SHALL BE USED WHERE THE PRESSURE MAY EXCEED 150 PSI. NFPA 24, 10.1.1.

10. BACKFILL SHALL BE WELL TAMPED LAYERS TO CONSIST OF 6" MINIMUM BED OF CLEAN FILL SAND OR PEA GRAVEL BELOW AND 12" ABOVE THE PIPE (TOTAL 18" MINIMUM). NFPA 24, 10.9.1.
11. FITTINGS SHALL BE OF AN APPROVED TYPE. NFPA 24, 10.2.1.
12. A MINIMUM OF 30" OF COVER, FROM FINISH GRADE TO THE TOP OF THE PIPE, SHALL BE PROVIDED. WHEN SURFACE LOADS ARE EXPECTED, A MINIMUM OF 36" COVER SHALL BE PROVIDED. NFPA 24, 10.4.2.2.2 & 3.
13. THRUST BLOCKS, OR OTHER APPROVED METHOD OF THRUST RESTRAINT, SHALL BE PROVIDED WHEREEVER PIPE CHANGES DIRECTION. BACK-FILL BETWEEN THE JOINTS TO PREVENT MOVEMENT OF THE PIPE. PROVIDE DETAILS AND CALCULATIONS FOR SIZING THRUST BLOCKS BASE ON ACTUAL SOIL CONDITIONS. NFPA 24, 10.6.
14. A HYDROSTATIC TEST (200 PSI FOR TWO HOURS OR 50 PSI OVER MAXIMUM STATIC PRESSURE, WHICHEVER IS GREATER) SHALL BE PERFORMED. NFPA 24, 10.10.2.2.1.
15. THE SYSTEM SHALL BE THOROUGHLY FLUSHED BEFORE CONNECTION IS MADE TO OVERHEAD PIPING. FLOW SHALL BE THROUGH A MNIMUM OF 4" HOSE OF PIPE. NFPA 24, 10.10.2.1.
16. ALL CONTROL VALVES SHALL BE LOCKED IN THE OPEN POSITION. VALVES SHALL BE MONITORED IF THEY SERVE 6 OR MORE SPRINKLER HEADS. CBC/CFC 903.4.
17. ALL CONTROL VALVES SHALL BE LISTED INDICATING TYPE UNLESS A NON-INDICATING VALVE, SUCH AS AN UNDERGROUND GATE VALVE WITH APPROVED ROADWAY BOX COMPLETE WITH T-WRECH, IS ACCEPTABLE TO AUTHORITY HAVING JURISDICTION (AHJ). NFPA 24, 6.1.1.
18. POST INDICATING VALVES (PIV) SHALL BE TESTED TO INSURE THAT THE "TARGET" (OPEN, CLOSED) ARE CLEARLY IDENTIFIED WHEN VALVE IS OPENED AND CLOSED. NFPA 24, 10.10.1 & 14.1.
19. TESTS SHALL BE MADE BY THE INSTALLING CONTRACTOR IN THE PRESSURE OF THE (AHJ). PROVIDE A COMPLETED CONTRACTOR'S MATERIAL AND TEST CERTIFICATE FOR UNDERGROUND PIPING TO DSA. NFPA 24, 10.10.1 & 14.1, CFC 901.5 & 6.

DSRSD CONSTRUCTION NOTES

POTABLE WATER

1. ALL POTABLE AND RECYCLED WATER FACILITIES SHALL BE CONSTRUCTED AS SHOWN ON IMPROVEMENT PLANS AND IN ACCORDANCE WITH DUBLIN SAN RAMON SERVICES DISTRICT (DSRSD) STANDARD PROCEDURES, SPECIFICATIONS AND DRAWINGS.
2. ALL CONSTRUCTION MATERIALS AND METHODS SHALL BE IN COMPLIANCE WITH DUBLIN SAN RAMON SERVICES DISTRICT (DSRSD) STANDARD PROCEDURES, SPECIFICATIONS AND DETAILS.
3. POTABLE WATER MAINS SHALL HAVE A MINIMUM OF 4' OF COVER AND MAINTAIN A MINIMUM VERTICAL SEPERATION OF 12" FROM OTHER UTILITIES.
4. POTABLE WATER LINES AND JOINTS SHALL BE AWWA C900 PVC CLASS 200 (DR14) FOR 12" & SMALLER. FITTINGS SHALL BE DUCTILE IRON PER SECTION II-B1-1.02.02 OF DSRSD STANDARD PROCEDURES, SPECIFICATIONS AND DETAILS. ALL DUCTILE IRON FITTINGS SHALL BE ENCASED WITH 8-MIL POLYETHYLENE WRAP IN ACCORDANCE WITH DSRSD STANDARD PROCEDURES, SPECIFICATIONS AND DETAILS.
5. TRACER WIRE AND WARNING TAPE SHALL BE INSTALLED ABOVE WATER LINES PER DSRSD STANDARD PROCEDURES, SPECIFICATIONS AND DETAILS, SECTION II-B2-8 AND STANDARD DETAIL G-1.
6. GATE VALVES SHALL BE INSTALLED ON ALL WATER MAINS 12" AND SMALLER IN ACCORDANCE WITH DSRSD STANDARD DETAIL W-13. BUTTERFLY VALVES SHALL NOT BE INSTALLED UNDER ANY CIRCUMSTANCE WITHOUT EXPLICIT DSRSD DISTRICT ENGINEER APPROVAL. VALVE BOX SHALL BE CONSTRUCTED PER DSRSD STANDARD DETAILS W-1 AND W-4.
7. THRUST BLOCKS SHALL BE PROVIDED FOR ALL BENDS, TEES, CROSSES, REDUCERS, DEAD ENDS, FIRE HYDRANTS, AND WHERE PIPE CHANGES IN DIRECTIONS OF MORE THAN 11-1/2 DEGREES OCCURRING ON ANY PLANE IN ACCORDANCE WITH DSRSD STANDARD DETAILS W-2 AND W-3.
8. DEAD END BLOWOFFS SHALL BE INSTALLED IN ACCORDANCE WITH DSRSD STANDARD DETAIL W-9.
9. AIR RELEASE AND VACUUM RELIEF VALVE SHALL BE INSTALLED IN ACCORDANCE WITH DSRSD STANDARD DETAIL W-15 FOR MAINS 10" AND SMALLER, AND IN ACCORDANCE WITH DSRSD STANDARD DETAIL W-16 AND W-27 FOR MAINS 12" AND LARGER.
10. FIRE HYDRANTS SHALL BE INSTALLED AT LOCATIONS SHOWN ON THESE PLANS IN ACCORDANCE WITH DSRSD STANDARD DETAIL W-6. ANY DEVIATION MUST BE APPROVED BY THE FIRE MARSHALL. CALL THE FIRE AUTHORITY 24 HOURS PRIOR TO INSPECTION AT (925) 833-6606.
11. THERE SHALL BE A MINIMUM OF 12" VERTICAL SEPERATION BETWEEN WATER MAINS AND OTHER PIPES AT ALL CROSSINGS UNLESS OTHERWISE NOTED ON PLANS.
12. TIE-INS BY THE CONTRACTOR MUST BE COORDINATED WITH DSRSD AT LEAST 14 CALENDAR DAYS IN ADVANCE OF WORK.
13. ALL FITTINGS, VALVES AND MATERIALS TO ACCOMPLISH TIE-INS SHALL BE ON THE JOB, AND EXISTING LINE EXPOSED AND CHECKED FOR FIT PRIOR TO ANY SHUTDOWN.
14. TIE-INS WILL ONLY BE MADE AFTER DISINFECTION BY THE CONTRACTOR. TIE-INS WILL BE MADE UNDER THE DIRECT SUPERVISION OF DSRSD REPRESENTATIVES. OPERATION OF VALVES IN EXISTING SYSTEM SHALL BE DONE BY DSRSD PERSONNEL ONLY.
15. THE CONTRACTOR SHALL NOTIFY DSRSD INSPECTOR A MINIMUM OF 24 WORKING HOURS IN ADVANCE OF THE COMMENCEMENT OF ANY WORK.
16. ALL BOLTS USED ON POTABLE WATER AND RECYCLED WATER MAINS SHALL BE 316 STAINLESS STEEL IN ACCORDANCE WITH DSRSD APPROVED MATERIALS LIST.
17. EXCAVATIONS MUST BE KEPT DEWATERED AT ALL TIMES SO AS NOT TO ALLOW CONTAMINATED WATER TO ENTER WATER LINES.
18. WATER METER BOX LIDS SHALL HAVE A 2-INCH RECESSED PROBE HOLES, WITH RECESS $\frac{5}{16}$" DEEP AND 4-1/8" DIAMETER IN ACCORDANCE WITH DSRSD STANDARD DETAIL W-19.
19. TRENCH BEDDING AND BACKFILL SHALL BE IN ACCORDANCE WITH DSRSD STANDARD DETAIL G-1.
20. 1" WATER SERVICES SHALL BE INSTALLED IN ACCORDANCE WITH DSRSD STANDARD DETAIL W-7.
21. 1-1/2" AND 2" WATER SERVICES SHALL BE INSTALLED IN ACCORDANCE WITH DSRSD STANDARD DETAIL W-8.
22. MANIFOLDED METER BOXES (5/8" TO 3") SHALL BE INSTALLED IN ACCORDANCE WITH DSRSD STANDARD DETAILS W-24, W-24A, 24B, OR 24C.
23. ALL UNDERGROUND CONNECTIONS FOR THE FIRE SUPPRESSION SYSTEM SHALL BE TESTED AND INSPECTED BY THE AUTHORITY PRIOR TO CONCEALMENT. CONTACT THE AUTHORITY 24 HOURS PRIOR TO NEEDED INSPECTIONS AT (925) 833-6606.
24. PIPE EMBEDMENT MATERIAL SHALL BE FREE OF VEGETABLE MATTER, RECYCLED MATERIAL (INCLUDING RECYCLED AGGREGATE BASE), AND OTHER DELETERIOUS SUBSTANCES IN ACCORDANCE WITH DSRSD STANDARD DETAIL G-1.
25. CONNECTIONS TO EXISTING WATER MAIN SHALL BE IN ACCORDANCE WITH DSRSD STANDARD DETAIL W-30.
26. BACKFLOW PREVENTERS ARE TO BE INSTALLED ON ALL POTABLE IRRIGATION SERVICES IN ACCORDANCE WITH DSRSD STANDARD DETAIL W-21.

SANITARY SEWER

1. ALL SANITARY SEWER FACILITIES SHALL BE CONSTRUCTED AS SHOWN ON IMPROVEMENT PLANS AND IN ACCORDANCE WITH DUBLIN SAN RAMON SERVICES DISTRICT (DSRSD) STANDARD PROCEDURES, SPECIFICATIONS AND DRAWINGS.
2. ALL CONSTRUCTION MATERIALS AND METHODS SHALL BE IN COMPLIANCE WITH DUBLIN SAN RAMON SERVICES DISTRICT (DSRSD) STANDARD PROCEDURES, SPECIFICATIONS AND DETAILS.
3. SANITARY SEWER PIPES SHALL BE POLYVINYL CHLORIDE (PVC) MEETING THE REQUIREMENTS OF ASTM D3034 SDR 26 UNLESS OTHERWISE SPECIFIED IN THE PLANS.
4. MANHOLES SHALL BE CONSTRUCTED IN ACCORDANCE WITH DSRSD STANDARD DETAILS S-2 AND S-5, AND S-11.
5. DROP MANHOLES ARE NOT PERMITTED UNLESS SPECIFICALLY APPROVED BY DSRSD DISTRICT ENGINEER.
6. SANITARY SEWER LATERALS SHALL BE CONSTRUCTED IN ACCORDANCE WITH DSRSD STANDARD DETAILS S-8 AND S-10.
7. TRENCH BEDDING AND BACKFILL SHALL BE IN ACCORDANCE WITH DSRSD STANDARD DETAIL G-1.
8. MANHOLE FRAMES AND COVERS SHALL BE BROUGHT TO FINISH GRADE AFTER PAVING.
9. ALL LOTS TO HAVE SEWER BACKFLOW IN ACCORDANCE WITH DSRSD STANDARD DETAIL S-8.
10. WHEN SANITARY SEWER CROSSES UNDER WATER LINES WITH LESS THAN 12" CLEAR SEPARATION, THE SANITARY SEWER SERVICE SHALL BE A CONTINUOUS SECTION OF DUCTILE IRON PIPE WITH HOT DIP BITUMINOUS COATING OR A CONTINUOUS SECTION OF CLASS 200 (DR 14 PER AWWA C900) PLASTIC PIPE, CENTERED ON THE PIPE BEING CROSSED. CONCRETE CRADLE SHALL BE PROVIDED IN ACCORDANCE WITH DSRSD STANDARD DETAIL G-3 WHEN CROSSING IS LESS THAN 12" SEPARATION.
11. STANDARD SANITARY SEWER MANHOLE SHALL BE CONSTRUCTED IN ACCORDANCE WITH DSRSD STANDARD DETAIL S-2.
12. PIPE EMBEDMENT MATERIAL SHALL BE FREE OF VEGETABLE MATTER, RECYCLED MATERIAL (INCLUDING RECYCLED AGGREGATE BASE), AND OTHER DELETERIOUS SUBSTANCES IN ACCORDANCE WITH DSRSD STANDARD DETAIL G-1.
13. NEW OR EXISTING MANHOLES THAT ARE IMPACTED DURING CONSTRUCTION SHALL FOLLOW S-2. SPECIAL NOTE SHALL BE TAKEN OF THE 18" MAXIMUM LENGTH OF THE MANHOLE ENTRANCE FROM FINISHED GRADE TO TOP OF CONE.

NOTES APPLICABLE TO ANY/SOME SECTIONS:

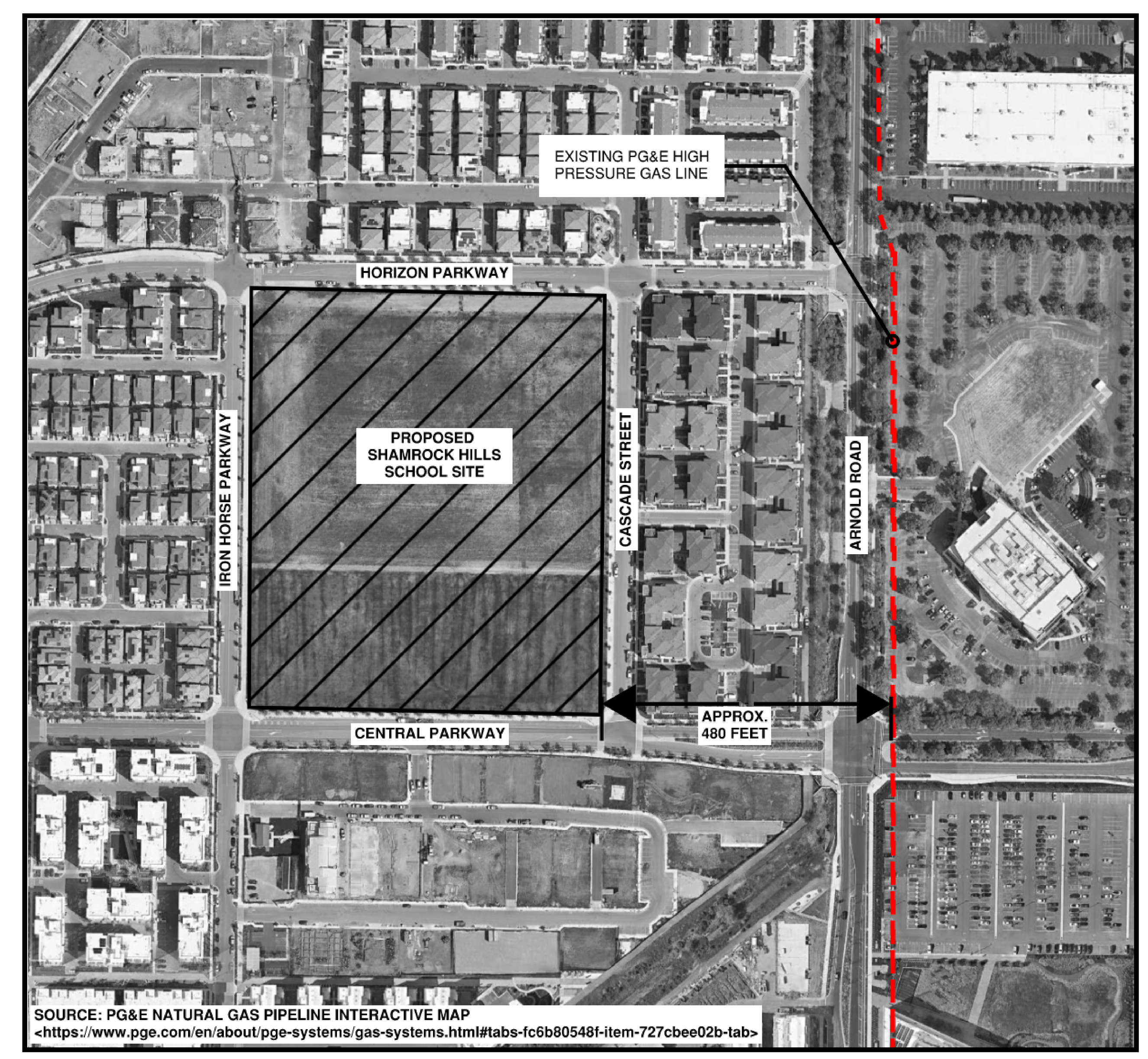
1. CONTRACTOR SHALL PROTECT ALL UTILITIES FROM DAMAGE DURING COMPACTION OF ROADWAY SUBGRADE PRIOR TO PLACEMENT OF THE FINAL PAVEMENT SECTION.
2. EXISTING PIPES MAY HAVE CATHODIC PROTECTION. IF CONNECTING APPURTENANCES, IT MUST BE ENSURED THAT ALL PIPELINE APPURTENANCES ASSOCIATED WITH CATHODICALLY PROTECTED PIPELINES ARE ELECTRICALLY COMMON WITH PIPELINE. DUCTILE IRON PIPE AND FITTINGS BELOW GROUND MAY REQUIRE CATHODIC PROTECTION.
3. ALL UTILITY BOXES IN PAVED AREAS SHALL HAVE H-20 LIDS UNLESS OTHERWISE NOTED.
4. PIPES SHALL BE ABANDONED IN ACCORDANCE WITH DUBLIN SAN RAMON SERVICES DISTRICT (DSRSD) STANDARD PROCEDURES, SPECIFICATIONS AND DRAWINGS SECTION I-D12.
5. ANY REVISIONS TO THESE PLANS MUST BE REVIEWED BY DSRSD PRIOR TO CONSTRUCTION AND SHALL BE ACCURATELY SHOWN ON THE REVISED PLANS SIGNED BY DSRSD.

DUBLIN STORMWATER CONTROL PLAN NOTES

1. PRIOR TO DELIVERY OF BIOTREATMENT SOIL, THE CONTRACTOR SHALL PROVIDE REQUIRED DOCUMENTATION (AVAILABLE AT WWW.CI.DUBLIN.CA.US/1656/STORMWATER-DEVELOPMENT-SUBMITTAL-REQUIRE) TO THE PUBLIC WORKS INSPECTOR DEMONSTRATING THAT THE BIOTREATMENT SOIL COMPLIES WITH SPECIFICATIONS INCLUDED IN THE MOST RECENT VERSION OF THE ALAMEDA COUNTY CLEAN WATER PROGRAM'S C.3 STORMWATER TECHNICAL MANUAL. RECEIPTS OR DELIVERY TICKETS FOR THE BIOTREATMENT SOIL AND CLASS II PERM MUST BE RETAINED FOR REVIEW BY THE PUBLIC WORKS INSPECTOR.
2. THE REQUIRED MINIMUM STORMWATER BIOTREATMENT FACILITY SURFACE AREA IS THAT AREA THAT ACHIEVES THE REQUIRED PONDING DEPTH AND IS UNDERLAIN BY 18 INCHES OF BIOTREATMENT SOIL.
3. ALL SITE GRADING AND DRAINAGE CONVEYANCE MUST CAUSE RUNOFF FROM DRAINAGE MANAGEMENT AREAS (DMA) TO DRAIN TO DESIGNATED RECEIVING FACILITY (I.E. GRADE BREAKS MUST CONFORM TO DMA DELINEATIONS, CURB CUTS MUST EFFECTIVELY DIRECT FLOWS INTO FACILITIES, ETC.).
4. CONTRACTOR MUST MAINTAIN RECORD DOCUMENTS OF CONSTRUCTION CHANGES ("AS-BUILT DRAWINGS") FOR ANY FACILITIES AND RELATED DESIGN FEATURES AND MUST PROVIDE SAID DOCUMENTATION TO THE PUBLIC WORKS DEPARTMENT UPON COMPLETION OF CONSTRUCTION.
5. THE PROJECT CIVIL ENGINEER OR LANDSCAPE ARCHITECT IS RESPONSIBLE FOR ENSURING THAT THE FACILITIES ARE CONSTRUCTED IN ACCORDANCE WITH APPROVED PLANS. PRIOR TO BUILDING PERMIT FINAL INSPECTION OR CERTIFICATE OF OCCUPANCY OR ACCEPTANCE OF IMPROVEMENTS, THE PUBLIC WORKS INSPECTOR SHALL REQUIRE THE PROJECT CIVIL ENGINEER OR LANDSCAPE ARCHITECT TO SUBMIT A STATEMENT CERTIFYING THAT THE FACILITIES HAVE BEEN INSTALLED PROPERLY AND IN ACCORDANCE WITH THE APPROVED STORMWATER MANAGEMENT PLAN OR ANY REVISIONS THEREOF.
6. ANY ASYMMETRICAL STORMWATER TREATMENT AREAS SHALL BE STAKED AND SURVEYED PRIOR TO CONSTRUCTION OF THESE STORMWATER TREATMENT AREAS.
7. INSTALL STORM DRAIN MEDALLIONS OR INLET MARKERS THAT READ "NO DUMPING – DRAINS TO CREEK" ON ALL PUBLIC AND PRIVATE STORM DRAIN INLETS IN ACCORDANCE WITH CITY STANDARD DETAIL CD-704. THE MEDALLIONS MAY BE PURCHASED FROM THE PUBLIC WORKS DEPARTMENT LOCATED AT 100 CIVIC PLAZA, DUBLIN, CA.
8. PRIOR TO THE CITY GRANTING FINAL BUILDING PERMIT INSPECTION OR CERTIFICATE OF OCCUPANCY OR ACCEPTANCE OF IMPROVEMENTS, THE APPLICANT SHALL PROVIDE GPS COORDINATES FOR ALL INSTALLED STORMWATER TREATMENT FACILITIES, HYDROMODIFICATION MANAGEMENT MEASURES, AND TRASH CAPTURE DEVICES. THE COORDINATES SHALL BE IN A FORMAT DETERMINED BY THE PUBLIC WORKS DEPARTMENT.
9. PRIOR TO THE CITY'S ACCEPTANCE OF IMPROVEMENTS WITHIN THE PUBLIC RIGHT OF WAY, SUBDRAIN LINES IN STORMWATER TREATMENT FACILITIES AND MEASURES LOCATED IN THE RIGHT-OF-WAY MUST BE TELEVISED TO DEMONSTRATE THE SUBDRAIN IS CLEAR OF SEDIMENT AND DEBRIS.
10. PRIOR TO THE CITY'S ACCEPTANCE OF IMPROVEMENTS WITHIN THE PUBLIC RIGHT OF WAY, ANY UNDERGROUND STORMWATER TREATMENT UNITS SHALL BE INSPECTED AND MAINTENANCE ACTIVITIES CONDUCTED, INCLUDING BUT NOT LIMITED TO REMOVAL AND REPLACEMENT OF MEDIA FILTRATION CARTRIDGES, AS APPLICABLE.

DUBLIN EROSION AND SEDIMENT CONTROL NOTES

1. CONTRACTOR SHALL KEEP CONSTRUCTION TRAFFIC OUT OF LOCATIONS WHERE STORMWATER TREATMENT FACILITIES AND MEASURES WILL BE INSTALLED TO MINIMIZE COMPACTION OF EXISTING SOILS.
2. PROTECT STORMWATER TREATMENT FACILITIES FROM CONSTRUCTION SITE RUNOFF. ONCE IMPORTED MATERIALS ARE INSTALLED IN STORMWATER TREATMENT FACILITIES, RUNOFF FROM UNSTABILIZED AREAS MUST BE DIVERTED AWAY FROM SUCH FACILITIES.
3. THE CONSTRUCTION BMPs SHOWN ON THE PLAN ARE MINIMUM REQUIREMENTS. THE CITY ENGINEER OR PUBLIC WORKS INSPECTOR IS AUTHORIZED TO REQUIRE ADDITIONAL BMPs TO PREVENT NON-STORMWATER DISCHARGES.
4. ALL SITE GRADING AND DRAINAGE CONVEYANCE MUST CAUSE RUNOFF FROM DRAINAGE MANAGEMENT AREAS (DMA) TO DRAIN TO DESIGNATED RECEIVING FACILITY (I.E. GRADE BREAKS MUST CONFORM TO DMA DELINEATIONS, CURB CUTS MUST EFFECTIVELY DIRECT FLOWS INTO FACILITIES, ETC.).
5. A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) FOR SHAMROCK HILLS TK-8 SCHOOL PROJECT WILL NEED TO PREPARED FOR DUBLIN UNIFIED SCHOOL DISTRICT. THE SWPPP SHALL CONTAIN A COPY OF THE "NOTICE OF INTENT" FILED WITH THE STATE WATER QUALITY CONTROL BOARD. THE GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR KEEPING A COPY OF THE SWPPP ONSITE AT ALL TIMES AND IMPLEMENTING ITS PROVISIONS. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING ALL SUBCONTRACTORS AND SUPPLIERS ARE AWARE OF AND IMPLEMENT THE MEASURES IN THE SWPPP.



LOCATION OF EXISTING PG&E NATURAL GAS PIPELINES
NTS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-121607 INC: 1
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 7/26/2024

PBK

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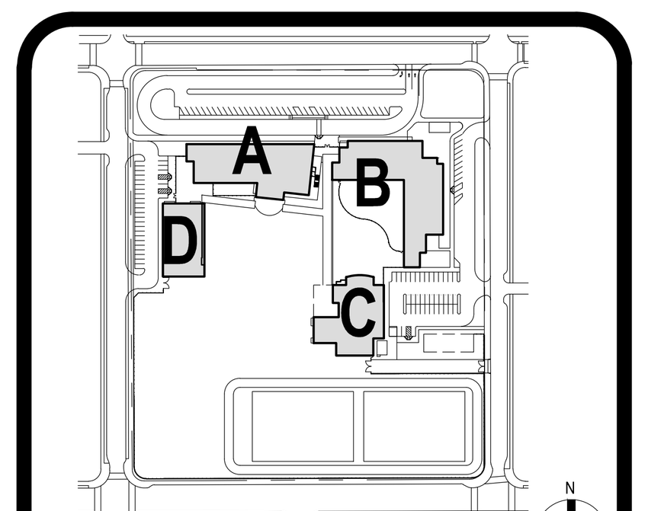
510-450-1999 P

SHAMROCK HILLS TK-8 SCHOOL INCREMENT 1

DUBLIN, CA

DSA APPL NO. ##-###### DSA FILE NO. ##-##

CLIENT LOGO
DUBLIN UNIFIED School District



KEY PLAN

CONSULTANT LOGO
BKF
1646 N. CALIFORNIA BLVD.
SUITE 400
WALNUT CREEK, CA 94596
(925) 940-2200
www.bkf.com

DISCIPLINE
REGISTERED PROFESSIONAL ENGINEER
ERIC S. SWANSON
No. 64607
CIVIL
STATE OF CALIFORNIA
07/12/2024

CLIENT	
DUBLIN UNIFIED SCHOOL DISTRICT	
DATE	PROJECT NUMBER
07/01/2024	230466

DRAWING HISTORY

No.	Description	Date

PROJECT STATUS

GENERAL NOTES

C0.1i1

FILE PATH:

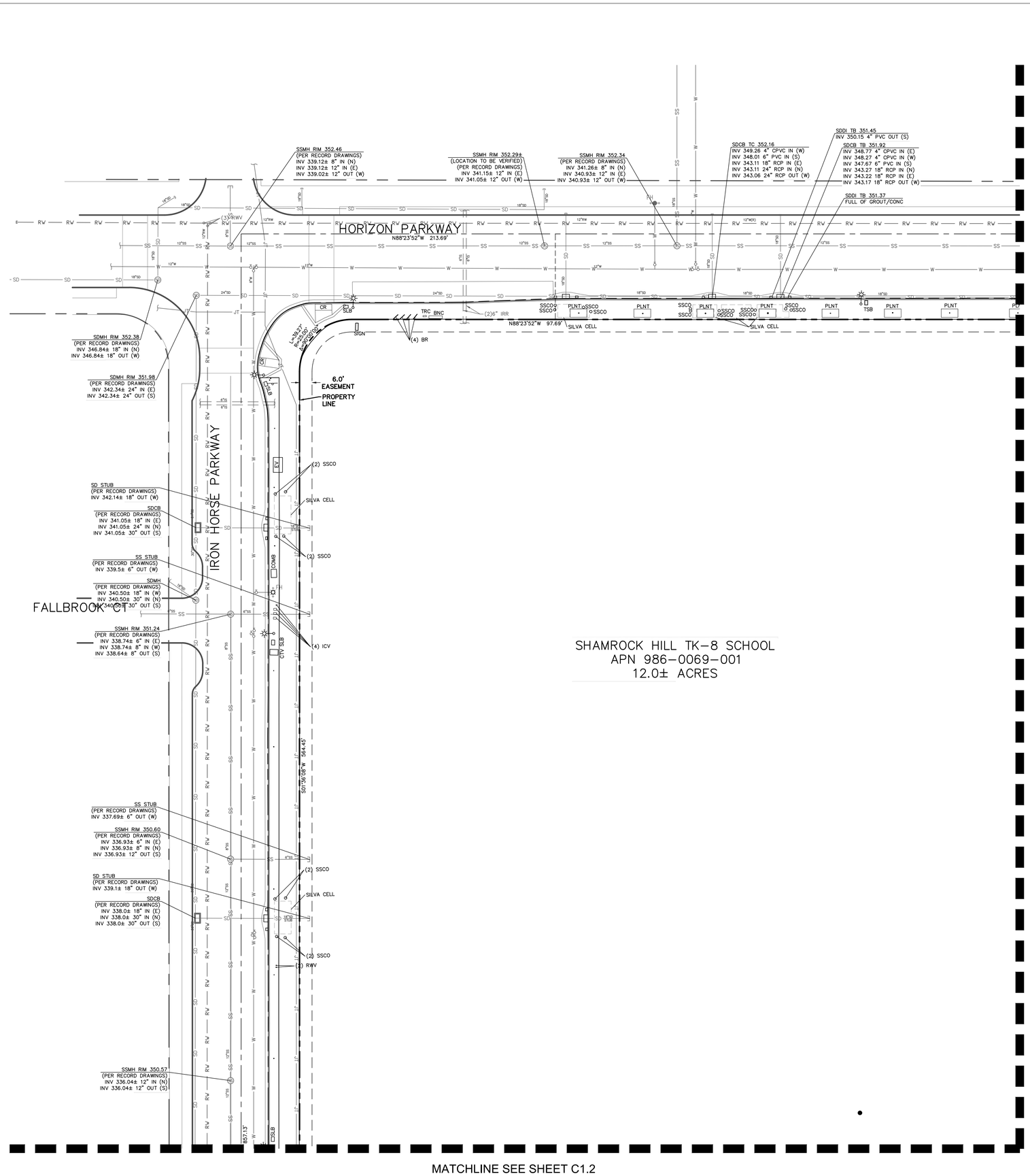
CHECKED BY:

DRAWN BY:

PLOT STAMP:

FOR BLUEBEAM LABELING/OCR:

0"
1"



SHAMROCK HILL TK-8 SCHOOL
APN 986-0069-001
12.0± ACRES

MATCHLINE SEE SHEET C1.2

MATCHLINE SEE SHEET C1.1

EXISTING LEGEND

- PROPERTY LINE
- AREA DRAIN
- FIRE HYDRANT
- GAS VALVE
- SANITARY SEWER CLEANOUT
- SANITARY SEWER MANHOLE
- STORM DRAIN CLEANOUT
- STORM DRAIN MANHOLE
- SIGN
- STREET LIGHT
- WATER VALVE
- SANITARY SEWER
- STORM DRAIN
- WATER
- IRRIGATION
- RECYCLED WATER
- JUNCTION
- GAS
- ELECTRIC
- FIBER OPTIC

EXISTING ABBREVIATIONS

AC	ASPHALT CONCRETE
ASV	ANTI SIPHON VALVE
BR	BIKE RACK
BNC	BENCH
COMB	COMMUNICATIONS BOX
CONC	CONCRETE
CTV	CABLE/TELEVISION BOX
CR	CURB RAMP
CPVC	CORRUGATED PVC
EB	ELECTRIC BOX
ECAB	ELECTRIC CABINET
EV	ELECTRIC VAULT
FL	FLOWLINE
FV	FOUNTAIN VENT
ICV	IRRIGATION CONTROL VALVE
LG	LIP OF GUTTER
LS	LANDSCAPE
PLNT	PLANTER
PVC	POLYVINYL CHLORIDE PIPE
RCP	REINFORCED CONCRETE PIPE
RWV	RECLAIMED WATER VALVE
SDAD	STORM DRAIN AREA DRAIN
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SLB	STREET LIGHT BOX
SS	SANITARY SEWER
SSCO	SANITARY SEWER CLEANOUT
SWK	SIDEWALK
TB	TOP OF BOX
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TG	TOP OF GRATE
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WB	WATER BOX
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TOPOGRAPHIC NOTES

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FIELD SURVEY DATE: 11/28/2023

BASIS OF BEARING

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BENCHMARK

THE ELEVATIONS SHOWN HEREON ARE BASED UPON THE VERTICAL DATUM OF 1988 AND WERE ESTABLISHED USING LEICA RTK NETWORK SMARTNET.

N

20 0 20 40
scale 1" = 20' feet

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-121607 INC: 1
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 7/26/2024

PBK

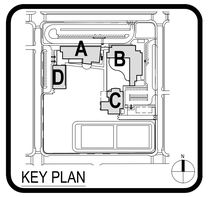
ARCHITECT PBK, Inc. PBK.com
BERKELEY
2600 Tenth Street, Suite 700
Berkeley, CA 94710-2697
510-450-1999 P

SHAMROCK HILLS TK-8 SCHOOL INCREMENT 1

DUBLIN, CA

DSA APPL NO. ##-###### DSA FILE NO. ##-##

CLIENT LOGO
DUBLIN UNIFIED School District



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DISCIPLINE
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ERIC S. SWANSON
No. 84807
CIVIL
STATE OF CALIFORNIA
07/12/2024

CLIENT
DUBLIN UNIFIED SCHOOL DISTRICT

DATE	PROJECT NUMBER
07/01/2024	230466

DRAWING HISTORY

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PROJECT STATUS

EXISTING CONDITONS PLAN

C1.0i1

FILE PATH:
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DRAWN BY:
PLOT STAMP:

1/2

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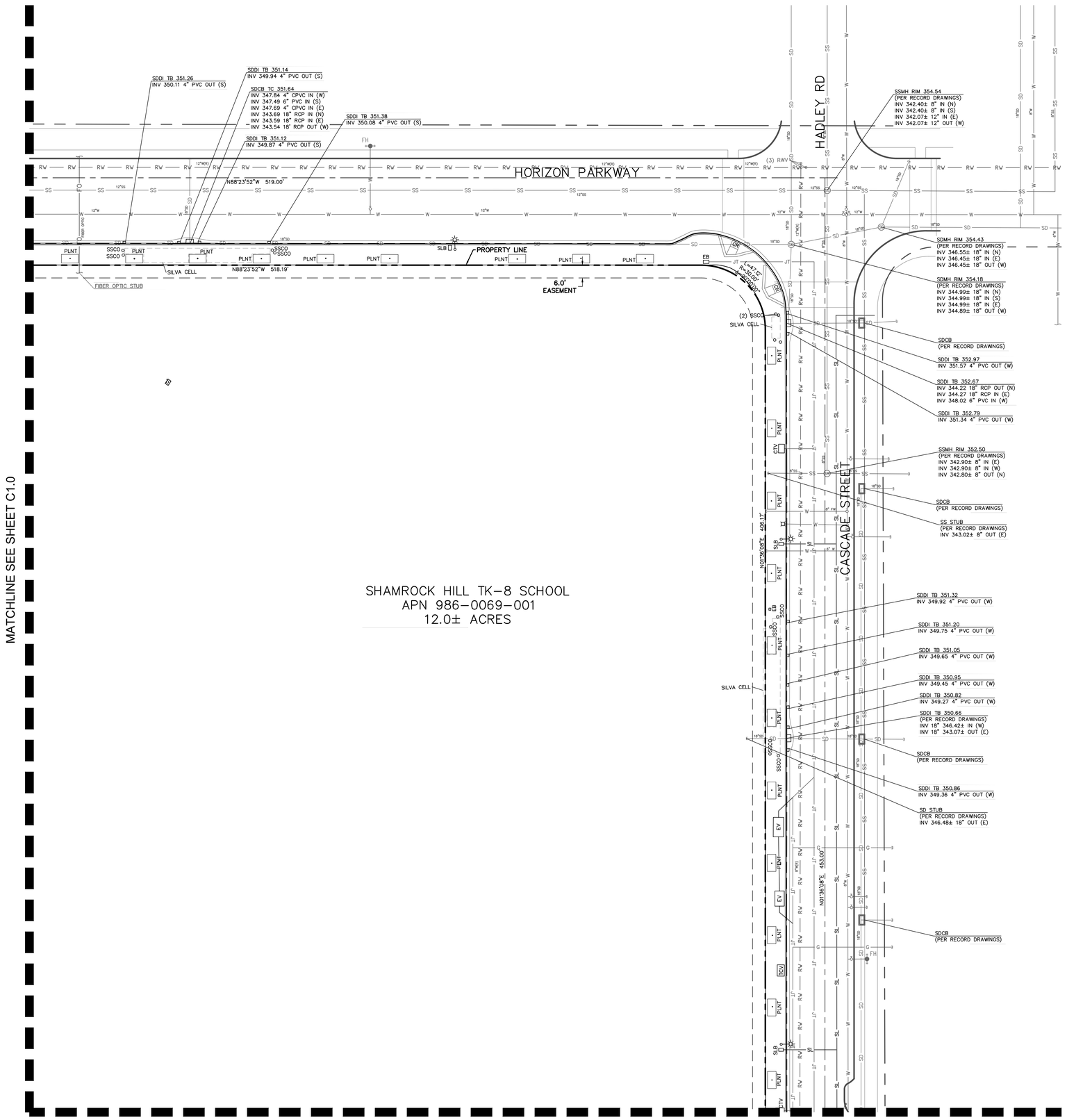

SHAMROCK HILL TK-8 SCHOOL
APN 986-0069-001
12.0± ACRES

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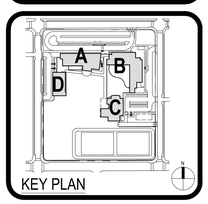
SHAMROCK HILLS TK-8 SCHOOL INCREMENT 1

DUBLIN, CA

DSA APPL NO. ##-###### DSA FILE NO. ##-##

CLIENT LOGO
DUBLIN UNIFIED
School District



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DISCIPLINE
REGISTERED PROFESSIONAL ENGINEER
ERIC S. SWANSON
NO. C-87607
CIVIL
STATE OF CALIFORNIA
07/12/2024

CLIENT
DUBLIN UNIFIED SCHOOL DISTRICT

DATE	PROJECT NUMBER
07/01/2024	230466

DRAWING HISTORY

No.	Description	Date

PROJECT STATUS

EXISTING CONDITONS PLAN

C1.1i1

FILE PATH:
CHECKED BY:
DRAWN BY:
PLOT STAMP:

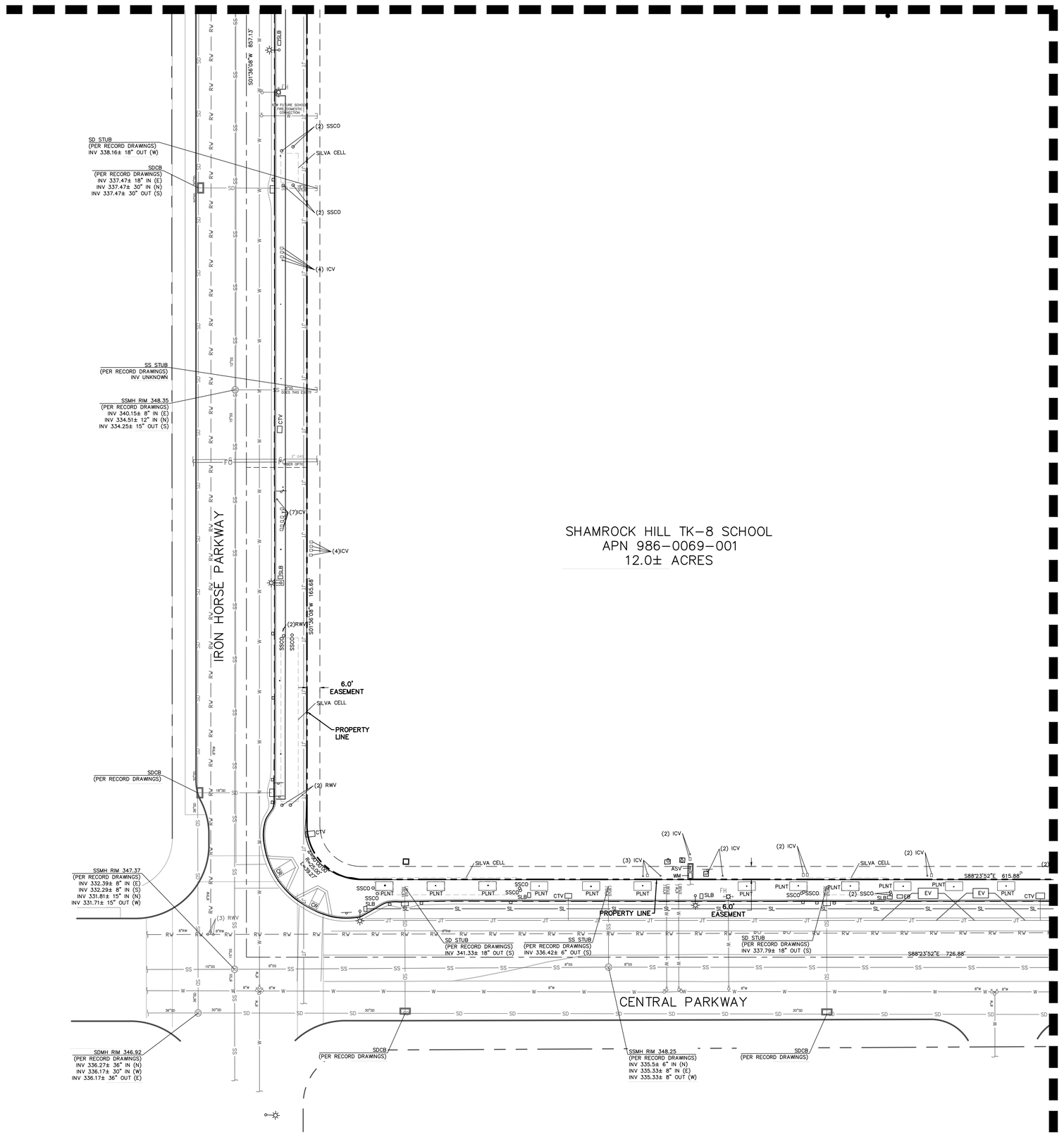
0" 1" 1/2

FOR BLUEBEAM LABELING/OCR:

0"

1"

MATCHLINE SEE SHEET C1.0



SHAMROCK HILL TK-8 SCHOOL
APN 986-0069-001
12.0± ACRES

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APP: 01-121607 INC: 1
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PBK

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SHAMROCK HILLS TK-8 SCHOOL INCREMENT 1

DUBLIN, CA

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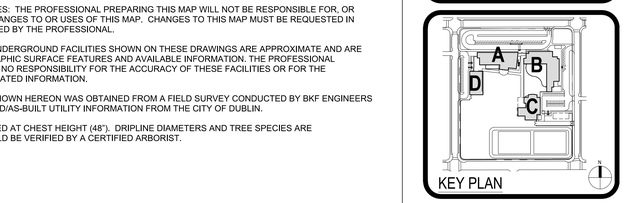
CLIENT LOGO

DUBLIN UNIFIED School District



KEY PLAN

CONSULTANT LOGO

BKF
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SUITE 400
WALNUT CREEK, CA 94596
(925) 940-2200
www.bkf.com

DISCIPLINE

REGISTERED PROFESSIONAL ENGINEER
ERIC S. SWANSON
NO. C80027
CIVIL
STATE OF CALIFORNIA

07/12/2024

CLIENT
DUBLIN UNIFIED SCHOOL DISTRICT

DATE	PROJECT NUMBER
07/01/2024	230466

DRAWING HISTORY

No.	Description	Date

PROJECT STATUS

EXISTING CONDITONS PLAN

C1.2i1

FILE PATH:

CHECKED BY:

DRAWN BY:

PLOT STAMP:

1/2

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0"

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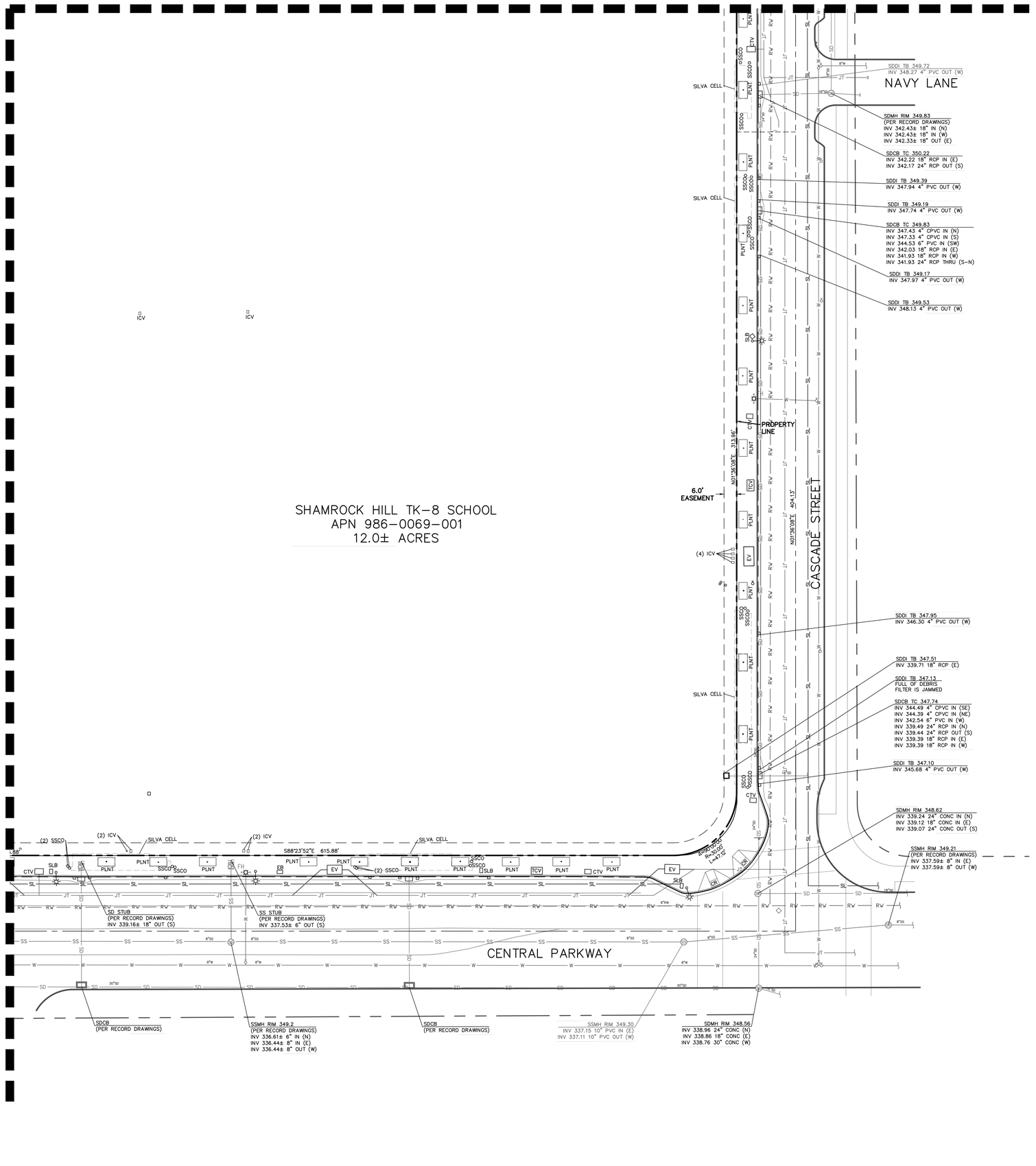

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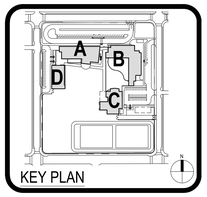

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07/12/2024

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DATE	PROJECT NUMBER
07/01/2024	230466

DRAWING HISTORY

No.	Description	Date

PROJECT STATUS

EXISTING CONDITONS PLAN

C1.3i1

FILE PATH:

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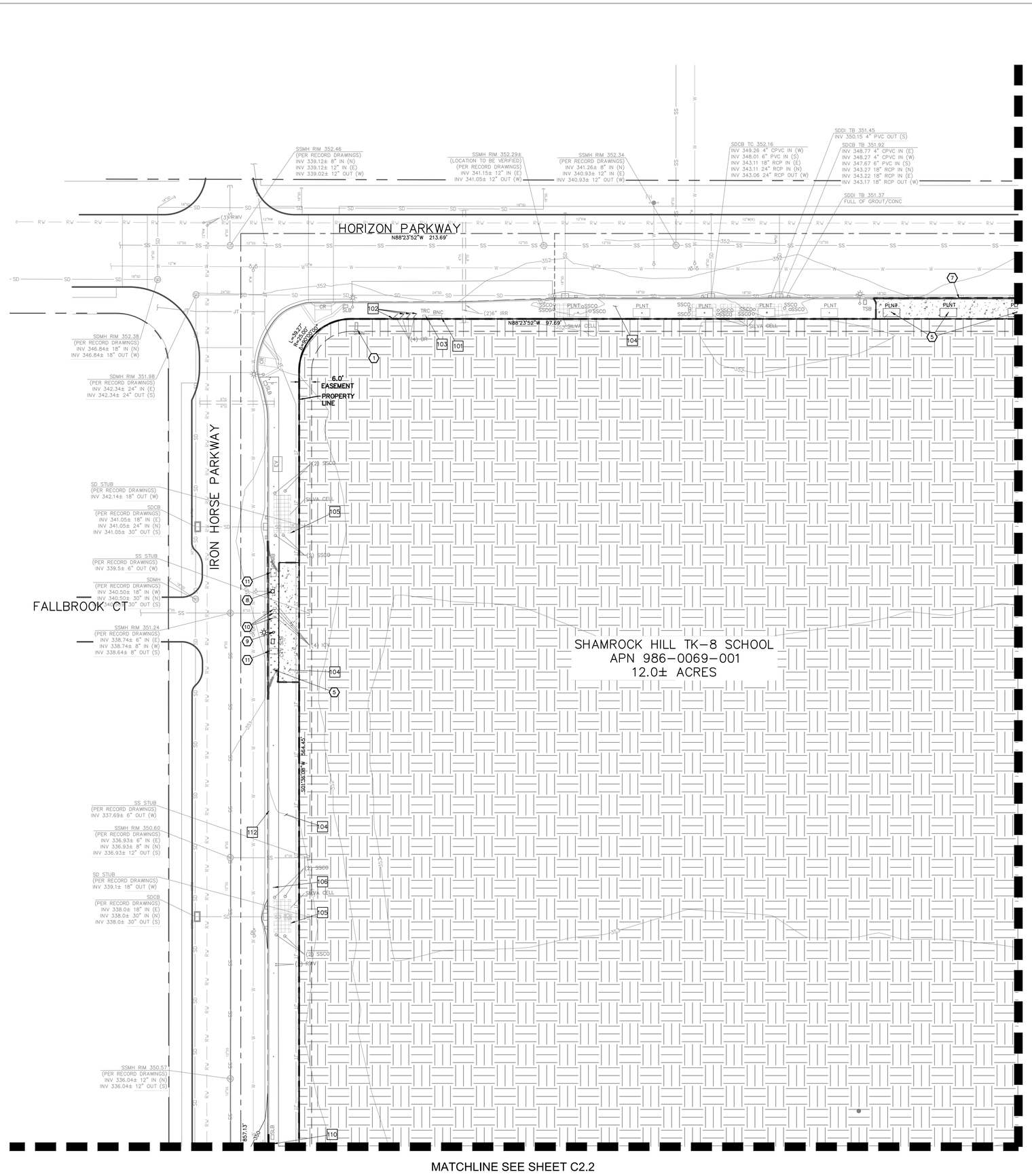

DEMOLITION LEGEND

- LANDSCAPE TO BE DEMOLISHED AND REMOVED (INCLUDING TURF, SAND, BARK, SHRUB, MISC. VEGETATION)
- CONCRETE TO BE DEMOLISHED AND REMOVED
- CLEAR AND GRUB
- LIMITS OF DEMOLITION

DEMOLITION & RELOCATION KEYNOTES

1. REMOVE EX SIGN
2. REMOVE EX ICV
3. REMOVE EX STORM DRAIN STRUCTURE
4. REMOVE EX WATER STRUCTURE
5. REMOVE EX TREE
6. REMOVE EX UTILITY STRUCTURE
7. REMOVE EX CURB & GUTTER
8. RELOCATE EX FIRE HYDRANT
9. RELOCATE EX STREET LIGHT
10. RESET FRAME AND COVER FOR EX IRRIGATION STRUCTURE TO NEW GRADE
11. RESET FRAME AND COVER FOR EX COMMUNICATION STRUCTURE TO NEW GRADE
12. RESET EX STORM CLEANOUT BOX COVERS AND FRAMES TO NEW GRADE.
13. RELOCATE FRAME AND COVER FOR EX COMMUNICATION STRUCTURE.

ITEMS TO REMAIN KEYNOTES

101. PROTECT EX BENCH
102. PROTECT EX BIKE RACK
103. PROTECT EX TRASH CAN
104. PROTECT EX SIDEWALK
105. PROTECT EX SILVA CELL & TREE
106. PROTECT EX TREE
107. PROTECT EX COMMUNICATION STRUCTURE, SEE NOTE 13
108. PROTECT EX FIRE HYDRANT
109. PROTECT EX IRRIGATION STRUCTURE
110. PROTECT EX STREET LIGHT & BOX
111. PROTECT EX WATER STRUCTURE
112. PROTECT EX CURB & GUTTER

DEMOLITION NOTES

1. DEMOLISH EXISTING SITE FEATURES WITHIN THE LIMIT OF DEMOLITION AS SHOWN.
2. CONTRACTOR SHALL CONTACT USA AT (800) 642-2444 AT LEAST TWO (2) WORKING DAYS PRIOR TO COMMENCEMENT OF ANY DEMOLITION, EXCAVATION OR GRADING WORK.
3. ALL HARDSCAPE WITHIN THE LIMITS OF DEMOLITION AS INDICATED IS TO BE DEMOLISHED AND RECYCLED UNLESS OTHERWISE NOTED.
4. CONTRACTOR SHALL REPLACE ANY DAMAGED STRUCTURE, CURB OR SIDEWALK THAT IS SAID TO REMAIN AND IS DAMAGED DURING THE COURSE OF CONSTRUCTION.
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PBK

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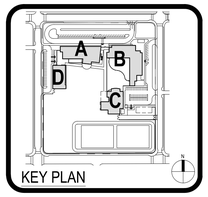
BERKELEY
2600 Tenth Street, Suite 700
Berkeley, CA 94710-2697
510-450-1999 P

SHAMROCK HILLS TK-8 SCHOOL INCREMENT 1

DUBLIN, CA
DSA APPL NO. ##-###### DSA FILE NO. ##-##

CLIENT LOGO
DUBLIN UNIFIED
School District



KEY PLAN

CONSULTANT LOGO
BKF
1646 N. CALIFORNIA BLVD
SUITE 400
WALNUT CREEK, CA 94596
(925) 940-2200
www.bkf.com

DISCIPLINE
REGISTERED PROFESSIONAL ENGINEER
ERIC S. SWANSON
No. 84807
CIVIL
STATE OF CALIFORNIA
07/12/2024

CLIENT
DUBLIN UNIFIED SCHOOL DISTRICT

DATE	PROJECT NUMBER
07/01/2024	230466

DRAWING HISTORY

No.	Description	Date

PROJECT STATUS

DEMOLITON PLAN

C2.0i1

FOR BLUEBEAM LABELING/OCR:

FILE PATH:
CHECKED BY:
DRAWN BY:
PLOT STAMP:

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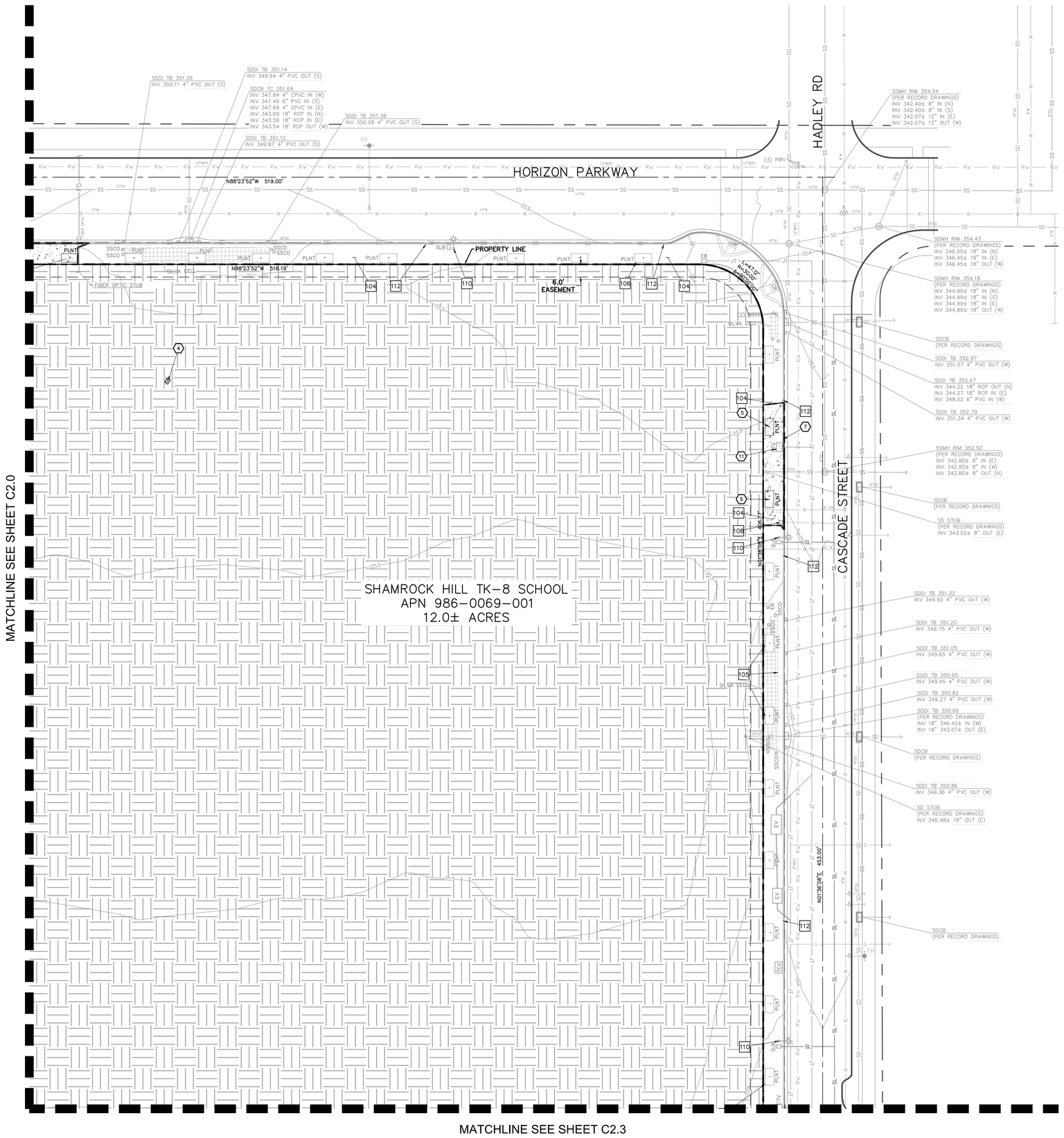

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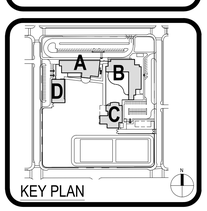
SHAMROCK HILLS TK-8 SCHOOL INCREMENT 1

DUBLIN, CA

DSA APPL NO. ##-###### DSA FILE NO. ##-##

CLIENT LOGO

DUBLIN UNIFIED
School District



KEY PLAN

CONSULTANT LOGO

BKF

1646 N. CALIFORNIA BLVD
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DISCIPLINE

REGISTERED PROFESSIONAL ENGINEER
ERIC S. SWANSON
No. 84007
CIVIL
STATE OF CALIFORNIA
07/12/2024

CLIENT
DUBLIN UNIFIED SCHOOL DISTRICT

DATE	PROJECT NUMBER
07/01/2024	230466

DRAWING HISTORY

No.	Description	Date

PROJECT STATUS

DEMOLITON PLAN

C2.1i1

FILE PATH:
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PLOT STAMP:

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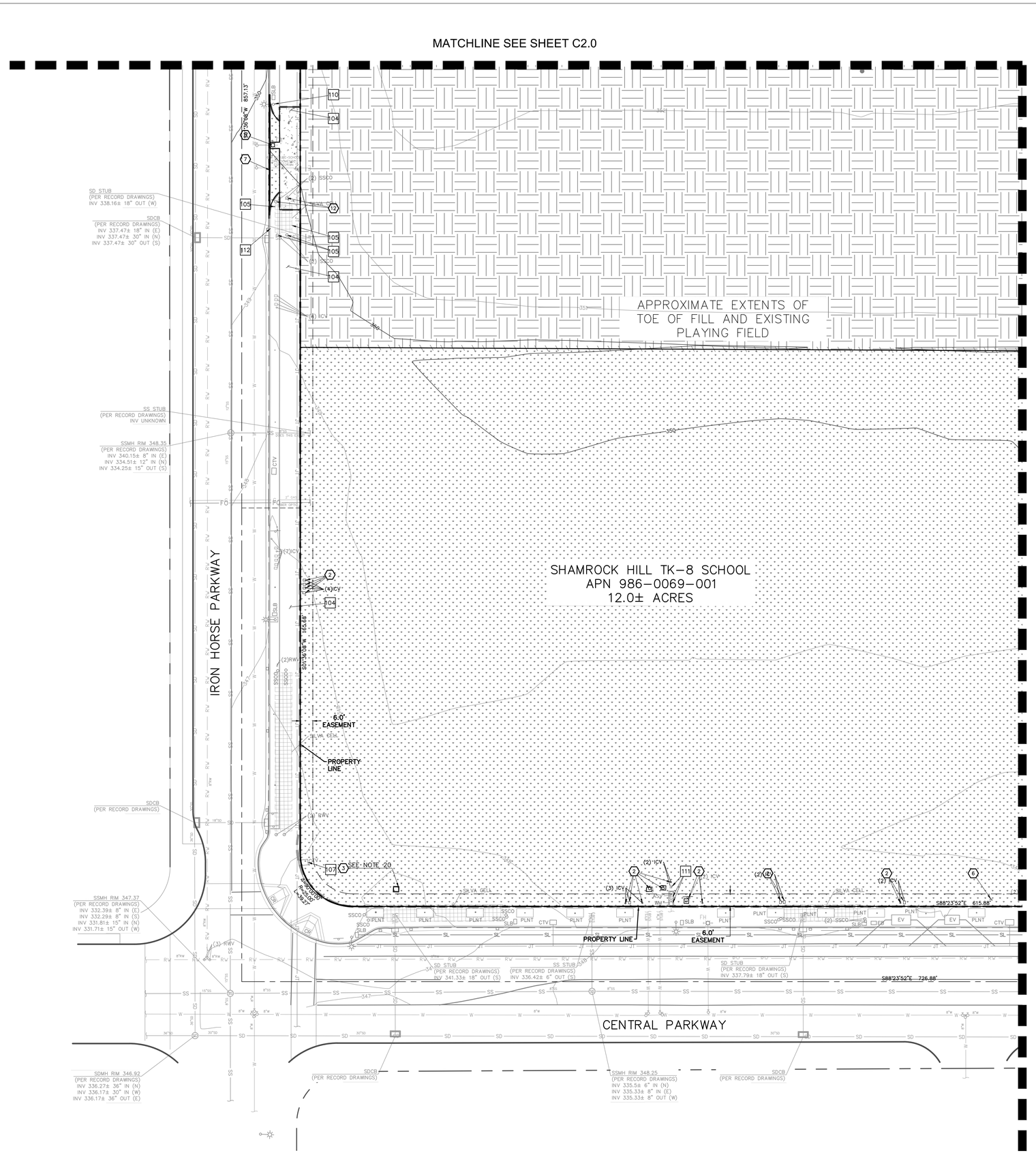
FOR BLUEBEAM LABELING/OCR:



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SHAMROCK HILLS TK-8 SCHOOL INCREMENT 1
DUBLIN, CA
DSA APPL NO. ##-####### DSA FILE NO. ##-##

CLIENT LOGO
DUBLIN UNIFIED School District

KEY PLAN
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CONSULTANT LOGO
BKF
1646 N. CALIFORNIA BLVD
SUITE 400
WALNUT CREEK, CA 94596
(925) 940-2200
www.bkf.com

DISCIPLINE
REGISTERED PROFESSIONAL ENGINEER
ERIC S. SWANSON
No. C80027
CIVIL
STATE OF CALIFORNIA
07/12/2024

CLIENT
DUBLIN UNIFIED SCHOOL DISTRICT
DATE 07/01/2024
PROJECT NUMBER 230466

DRAWING HISTORY

No.	Description	Date

PROJECT STATUS

DEMOLITON PLAN

C2.2i1

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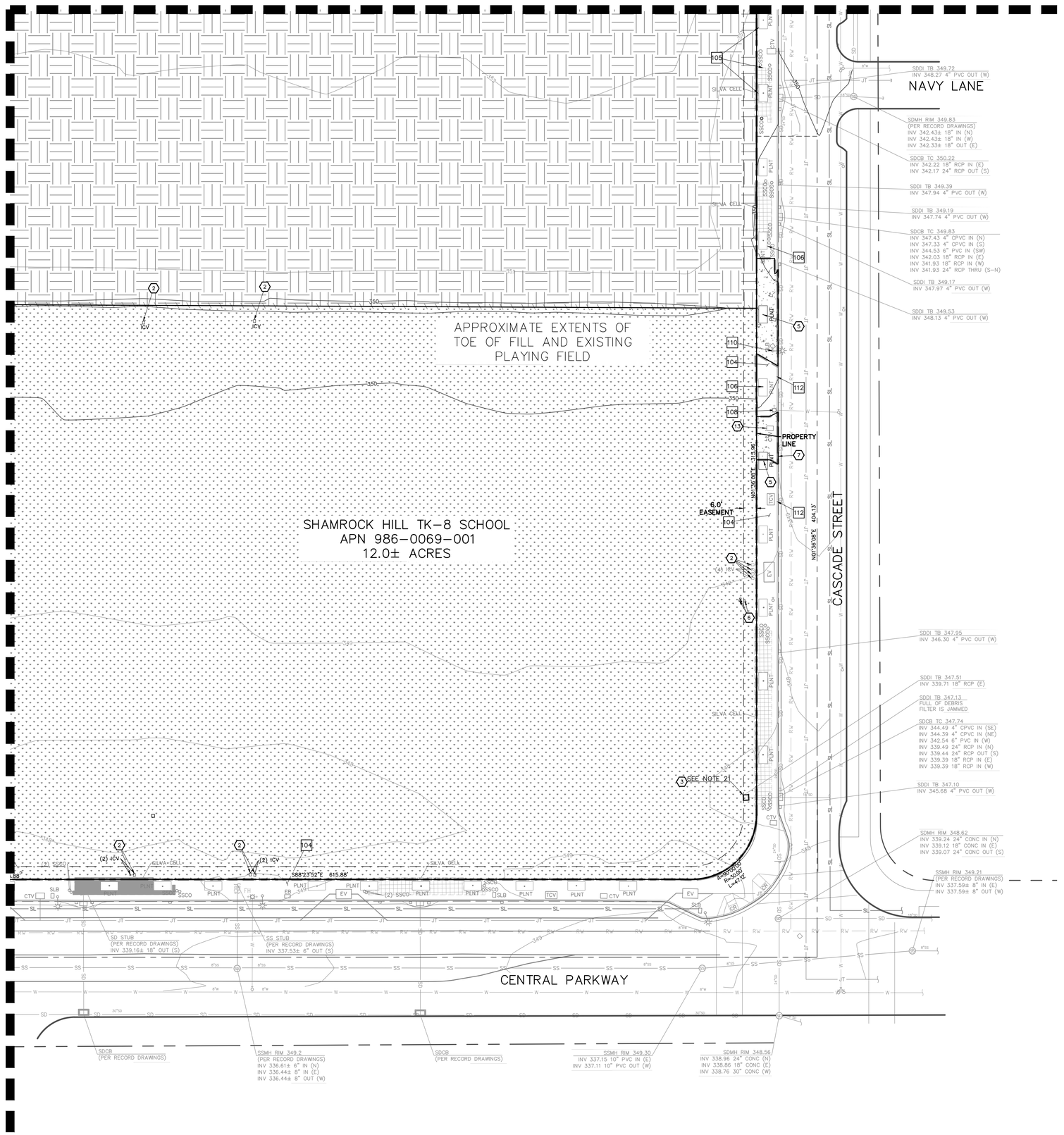

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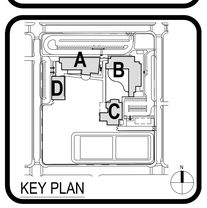

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CLIENT
DUBLIN UNIFIED SCHOOL DISTRICT

DATE	PROJECT NUMBER
07/01/2024	230466

DRAWING HISTORY

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PROJECT STATUS

DEMOLITON PLAN

C2.3i1

FOR BLUEBEAM LABELING/OCR:

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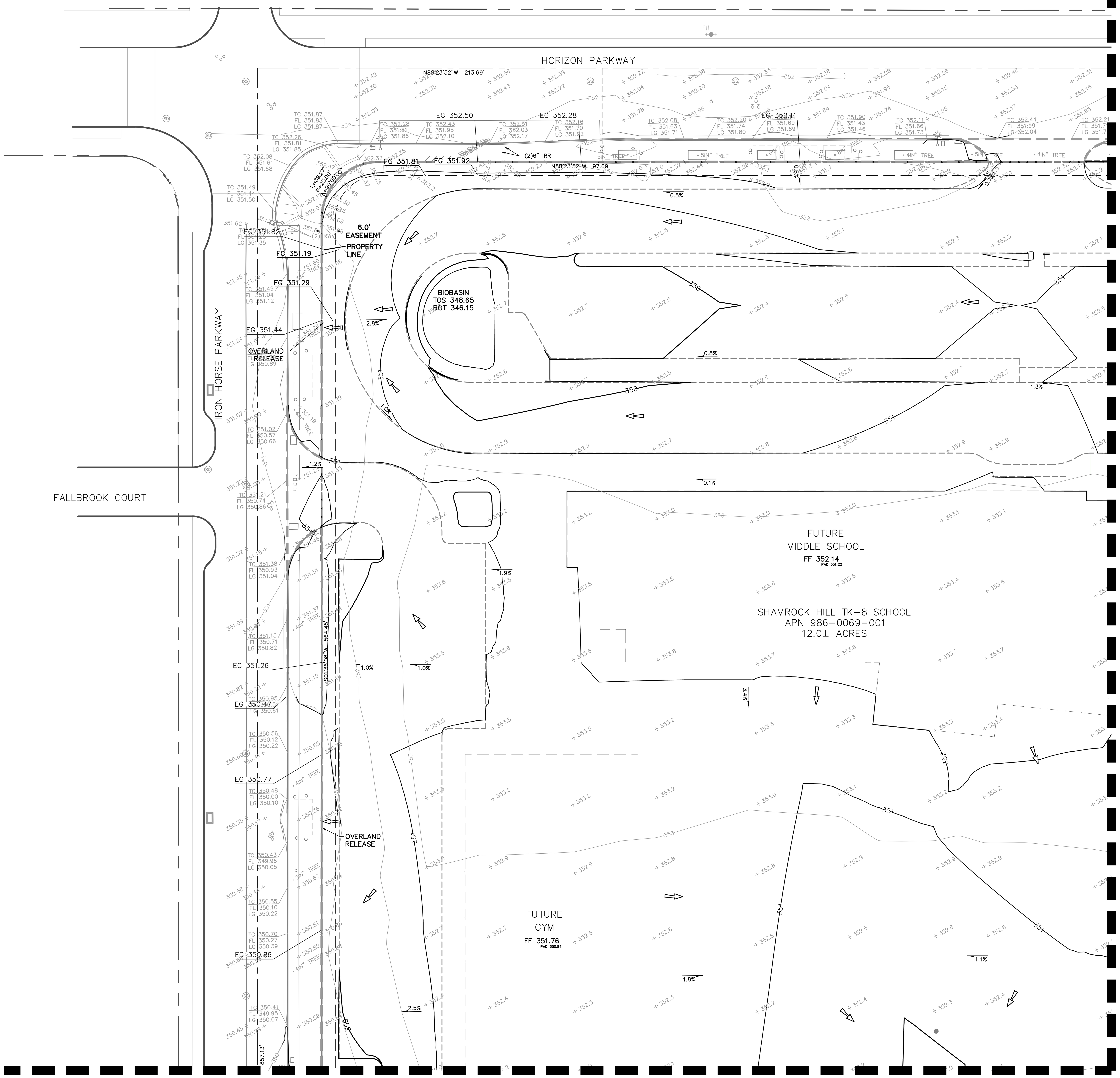
1/2

FOR BLUEBEAM LABELING/OCR:



N

20 0 20 40
scale 1" = 20' feet

GRADING LEGEND

PROPERTY LINE

GRADE BREAK

LIMIT OF WORK

X.X% SLOPE/CROSS SLOPE

OVERLAND FLOW

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IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-121607 INC: 1
REVIEWED FOR
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DATE: 7/26/2024

PBK

ARCHITECT PBK, Inc.
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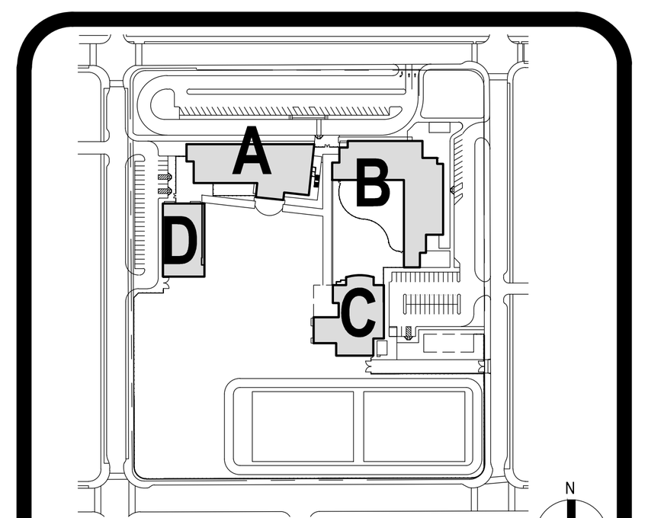
BERKELEY
2600 Tenth Street, Suite 700
Berkeley, CA 94710-2597
510-450-1999 P

SHAMROCK HILLS TK-8 SCHOOL INCREMENT 1
DUBLIN, CA
DSA APPL NO. ##-###### DSA FILE NO. ##-##

CLIENT LOGO
DUBLIN UNIFIED School District



KEY PLAN

CONSULTANT LOGO
BKF
1646 N. CALIFORNIA BLVD.
SUITE 400
WALNUT CREEK, CA 94596
(925) 940-2200
www.bkf.com

DISCIPLINE
REGISTERED PROFESSIONAL ENGINEER
ERIC S. SWANSON
No. 64607
CIVIL
STATE OF CALIFORNIA
07/12/2024

CLIENT
DUBLIN UNIFIED SCHOOL DISTRICT

DATE	PROJECT NUMBER
07/01/2024	230466

DRAWING HISTORY

No.	Description	Date

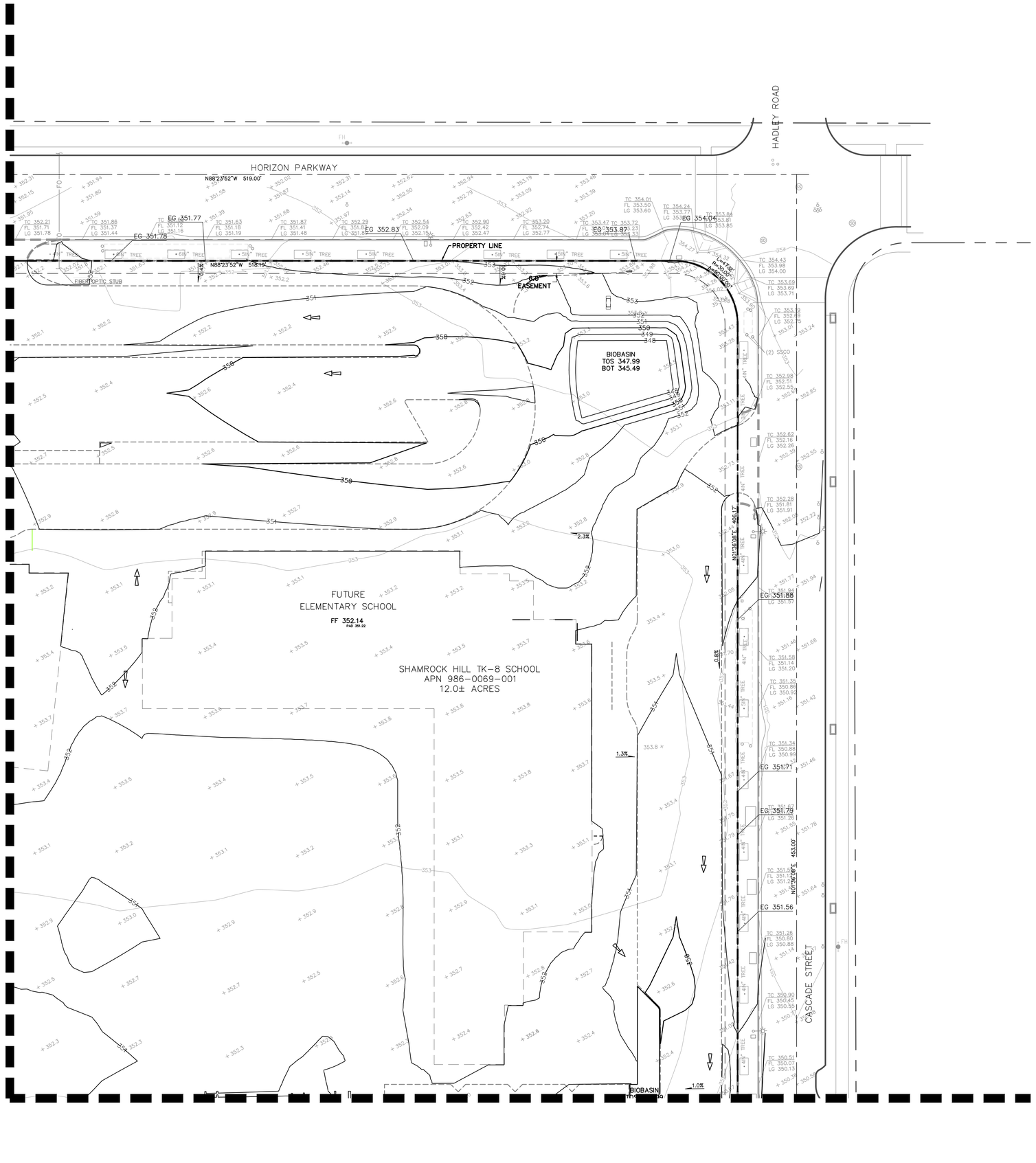
PROJECT STATUS

ROUGH GRADING PLAN

C4.0i1

FILE PATH:
CHECKED BY:
DRAWN BY:
PLOT STAMP:
1/2

FOR BLUEBEAM LABELING/OCR:



GRADING LEGEND

- PROPERTY LINE
- GRADE BREAK
- LIMIT OF WORK
- X.X% SLOPE/CROSS SLOPE
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SHAMROCK HILLS TK-8 SCHOOL INCREMENT 1

DUBLIN, CA

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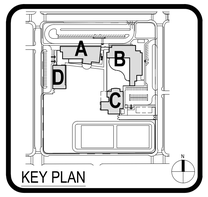
School District



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ERIC S. SWANSON
No. 84607
CIVIL
STATE OF CALIFORNIA
07/12/2024

CLIENT
DUBLIN UNIFIED SCHOOL DISTRICT

DATE	PROJECT NUMBER
07/01/2024	230466

DRAWING HISTORY

No.	Description	Date

PROJECT STATUS

ROUGH GRADING PLAN

C4.1i1

FILE PATH:
CHECKED BY:
DRAWN BY:
PLOT STAMP:

1/2

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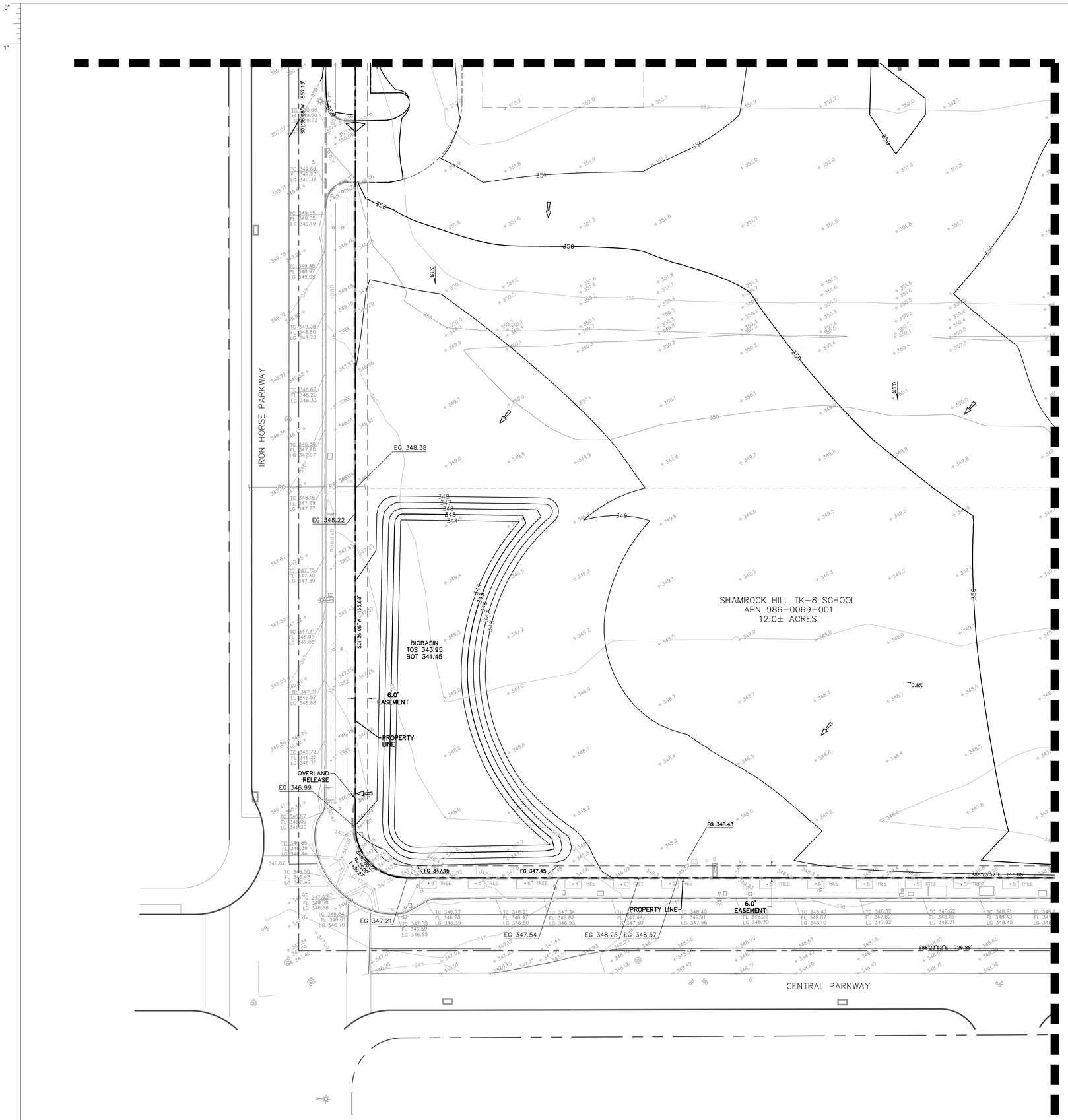

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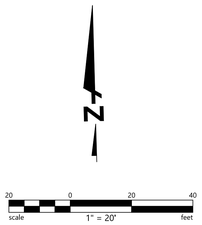

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SHAMROCK HILLS TK-8 SCHOOL INCREMENT 1

DUBLIN, CA DSA APPL NO. ##-###### DSA FILE NO. ##-##

CLIENT LOGO
DUBLIN UNIFIED
School District

CONSULTANT LOGO
BKF
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DISCIPLINE
REGISTERED PROFESSIONAL ENGINEER
ERIC S. SWANSON
NO. 84007
CIVIL
STATE OF CALIFORNIA
07/12/2024

CLIENT
DUBLIN UNIFIED SCHOOL DISTRICT

DATE	PROJECT NUMBER
07/01/2024	230466

DRAWING HISTORY

No.	Description	Date

PROJECT STATUS

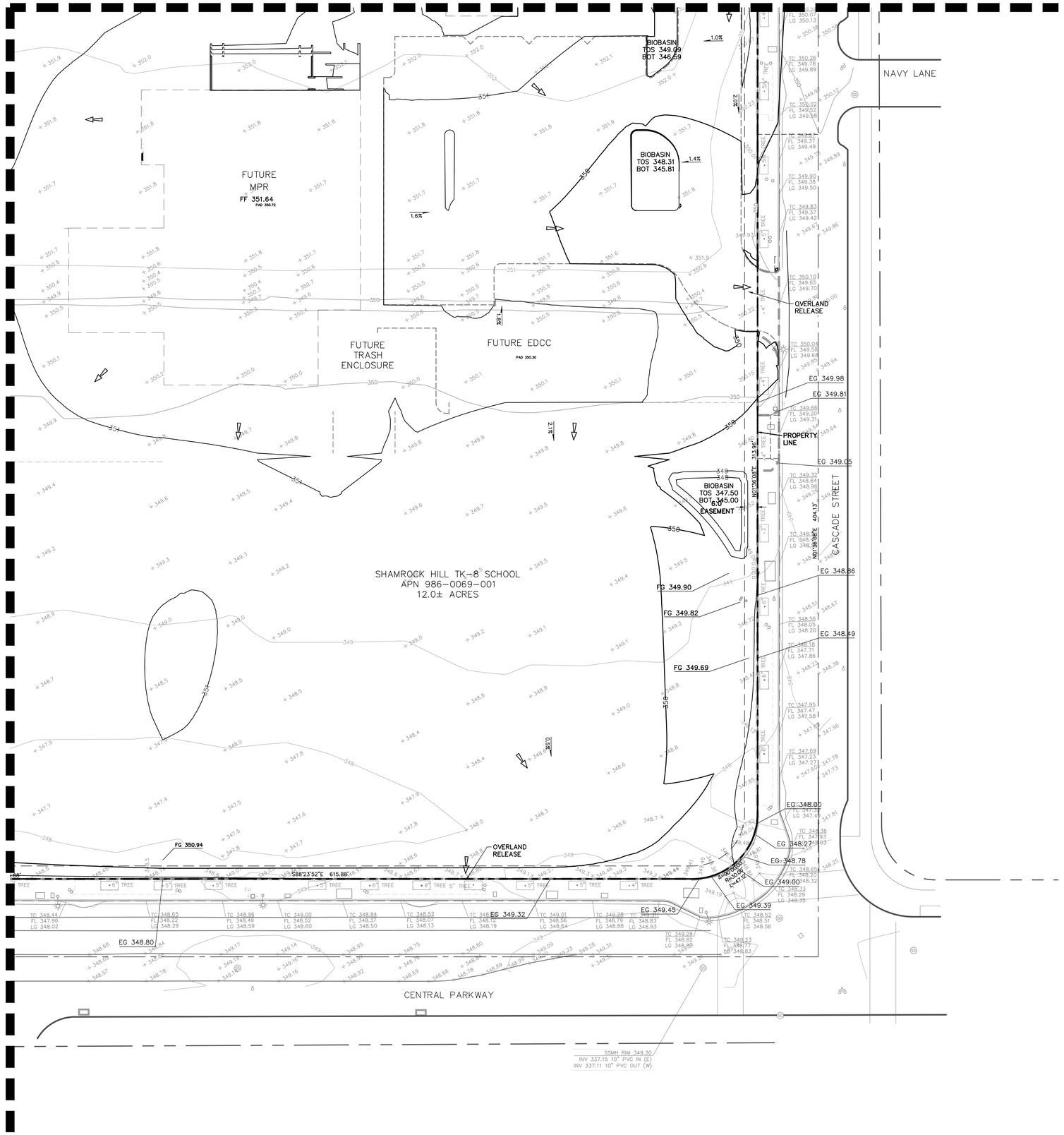
ROUGH GRADING PLAN

C4.2i1

FILE PATH:
CHECKED BY:
DRAWN BY:
PLOT STAMP:

1/2

FOR BLUEBEAM LABELING/OCR:



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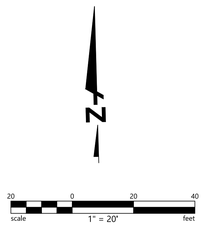

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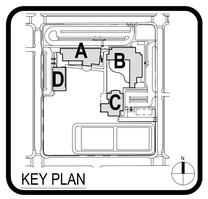

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07/01/2024	230466

DRAWING HISTORY

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PROJECT STATUS

ROUGH GRADING PLAN

C4.3i1

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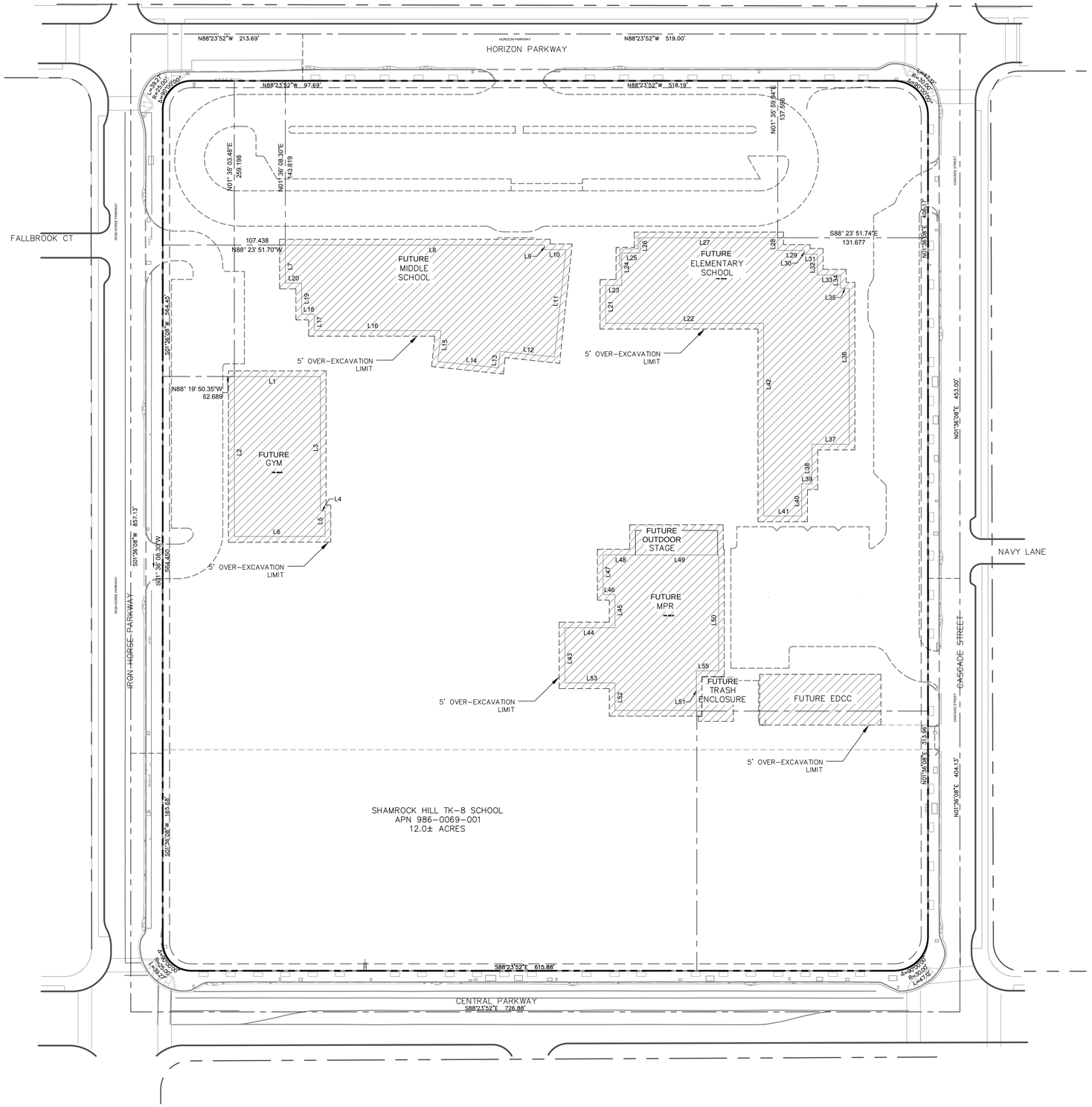

LEGEND

BUILDING PAD PREPARATION LIMITS. BASED ON THE GEOTECHNICAL REPORT, OVER-EXCAVATION SHALL EXTEND 5-FEET HORIZONTALLY BEYOND THE BUILDING FOOTPRINT AND 24 INCHES IN DEPTH. THE TOP 6 INCHES OF OVER-EXCAVATION SHALL BE CRUSHED DRAIN ROCK, REVIEWED/APPROVED BY THE GEOTECHNICAL ENGINEER, AND THE BOTTOM 18 INCHES SHALL BE LIME TREATED SOIL. REFER TO THE GEOTECHNICAL REPORT FOR MORE INFORMATION.

NOTES

1. SEE SPECIFICATIONS AND GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION.
2. SEE GRADING PLAN FOR FINISHED FLOOR ELEVATIONS AND ROUGH PAD ELEVATIONS.
3. FOR BUILDING INTERIOR FLOOR SLABS, THE UPPER 6" OF SUBGRADE SHALL CONSIST OF CRUSHED DRAIN ROCK. THE UNDERLYING SUBGRADE SHALL BE QUICKLIME TREATED TO A DEPTH OF 18 INCHES . THE QUICKLIME TREATED SUBGRADE SHALL EXTEND A MINIMUM HORIZONTAL DISTANCE OF 5 FEET BEYOND ALL BUILDING AREAS, INCLUDING OUTER EDGE OF PERIMETER FOOTINGS AND FOOTINGS EXTENDING BEYOND PERIMETER WALL. SEE PROJECT GEOTECH REPORT.

Line Table		
Line #	Length	Direction
L3	29.393	S01° 36' 08.30"W
L6	111.410	S88° 23' 51.70"E
L8	53.085	S82° 23' 51.70"E
L10	48.114	S82° 23' 51.70"E
L11	94.475	N07° 36' 08.30"E
L14	227.499	N88° 23' 51.70"W
L15	73.529	S88° 23' 51.70"E
L16	117.953	S01° 36' 08.30"W
L17	140.193	N01° 36' 08.30"E
L18	79.355	N88° 23' 51.70"W
L19	22.240	S01° 36' 08.30"W
L20	5.826	S88° 23' 51.70"E
L21	33.120	S01° 36' 08.30"W
L22	14.033	N88° 23' 51.70"W
L23	30.656	S01° 36' 08.30"W
L24	16.038	N88° 23' 51.70"W
L25	120.745	N88° 23' 51.70"W
L26	11.026	N01° 36' 08.30"E
L27	23.399	N88° 23' 51.70"W
L28	21.635	N01° 36' 08.30"E
L29	31.732	N88° 23' 51.70"W
L30	11.611	N01° 36' 08.30"E
L31	7.601	N88° 23' 51.70"W
L32	136.784	N01° 36' 08.30"E
L33	32.661	S88° 23' 51.70"E

Line Table		
Line #	Length	Direction
L34	34.833	N01° 36' 08.30"E
L35	9.021	S88° 23' 51.70"E
L36	28.234	N01° 36' 08.30"E
L37	33.120	S88° 23' 51.70"E
L38	169.319	S01° 36' 08.30"W
L39	138.747	S88° 23' 51.70"E
L40	34.415	S01° 36' 08.30"W
L41	10.441	S88° 23' 51.70"E
L42	29.570	S01° 36' 08.30"W
L43	44.105	N88° 23' 51.70"W
L44	48.114	S01° 36' 08.30"W
L45	44.105	S88° 23' 51.70"E
L46	71.169	S88° 23' 51.70"E
L47	34.749	N01° 36' 08.30"E
L48	19.546	S88° 23' 51.70"E
L49	101.575	N01° 36' 08.30"E
L50	101.157	N88° 23' 51.70"W

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REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 7/26/2024

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PBK.com
BERKELEY
2600 Tenth Street, Suite 700
Berkeley, CA 94710-2697
510-450-1999 P

SHAMROCK HILLS TK-8 SCHOOL INCREMENT 1

DUBLIN, CA

DSA APPL NO. ##-###### DSA FILE NO. ##-##

CLIENT LOGO
DUBLIN UNIFIED
School District

KEY PLAN

CONSULTANT LOGO
BKF
1646 N. CALIFORNIA BLVD
SUITE 400
WALNUT CREEK, CA 94596
(925) 940-2200
www.bkf.com

DISCIPLINE
REGISTERED PROFESSIONAL ENGINEER
ERIC S. SWANSON
No. 84007
CIVIL
STATE OF CALIFORNIA
07/12/2024

CLIENT
DUBLIN UNIFIED SCHOOL DISTRICT
DATE 07/01/2024
PROJECT NUMBER 230466

DRAWING HISTORY

No.	Description	Date

PROJECT STATUS

BUILDING PAD PREPARATION PLAN

C4.4i1

FOR BLUEBEAM LABELING/OCR:

FILE PATH:
CHECKED BY:
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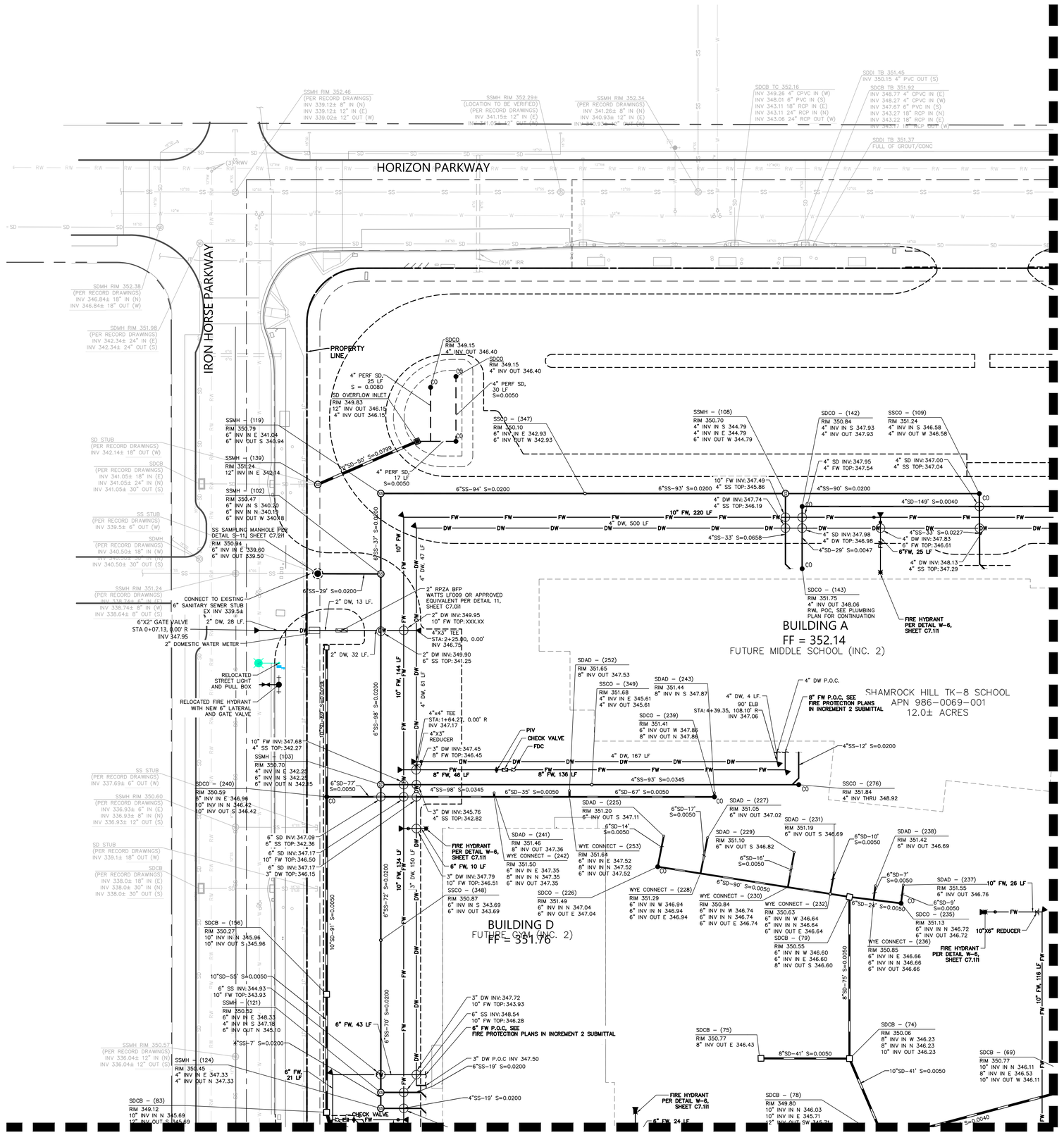
PLOT STAMP:

FOR BLUEBEAM LABELING/OCR:



UTILITY LEGEND

- PROPERTY LINE
- DW — DOMESTIC WATER LINE
- SS — SANITARY SEWER LINE PVC SDR-20 (SEE PLAN FOR SIZE)
- SD — STORM DRAIN LINE PVC SDR-20 (SEE PLAN FOR SIZE)
- SUBDRAIN (FOR BIORETENTION AREA)
- FW — FIRE WATER LINE PVS-C900 (SEE PLAN FOR SIZE)
- WATER VALVE, PER DETAILS 3 & 7, SHEET C7.1i1
- WATER METER
- STORM DRAIN CLEANOUT, PER DETAIL 1, SHEET C7.2i1
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- SANITARY SEWER SAMPLING MANHOLE, PER DETAIL 10, SHEET C7.2i1
- STORM DRAIN MANHOLE, PER DETAILS 7-9, SHEET C7.2i1
- POST INDICATOR VALVE, PER DETAIL 3, SHEET C7.2i1
- BACKFLOW PREVENTER, PER DETAILS 11 & 12, SHEET C7.0i1
- 12X12 SQUARE NDS STORM DRAIN OR APPROVED EQUAL (SEE NOTE 3&6)
- FIRE HYDRANT, PER DETAIL 6, SHEET C7.1i1
- THRUST BLOCK, PER DETAILS 4 & 5, SHEET C7.1i1
- GATE VALVE
- COBBLESTONES
- BUBBLE-UP OUTFLOW
- STORM DRAIN OVERFLOW INLET, PER DETAIL 6, SHEET C7.2i1

UTILITY ABBREVIATIONS

BFP	BACKFLOW PREVENTER
DB	DRAINAGE BUBBLER
DI	DRAINAGE INLET
FDC	FIRE DEPARTMENT CONNECTION
GM	GAS METER
GV	GAS SHUT-OFF VALVE
HP	HIGH POINT
JB	JUNCTION BOX
LP	LOW POINT
ODI	OVERFLOW DRAINAGE INLET
PIV	POST INDICATOR VALVE
P.O.C.	POINT OF CONNECTION, SEE UTILITY NOTES 8 & 9
S.F.P.D.	SEE FIRE PROTECTION DRAWINGS
S.L.P.	SEE LANDSCAPE PLANS
S.P.P.	SEE PLUMBING PLANS
SDMH	STORM DRAIN MANHOLE
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UTILITY NOTES

1. CONTRACTOR TO VERIFY LOCATION AND DEPTH OF EXISTING UNDERGROUND CONDUIT BANK AND CONTACT ARCHITECT/CIVIL ENGINEER IF EXISTING UTILITIES ARE IN CONFLICT WITH PROPOSED IMPROVEMENTS.
2. FOR ALL WATER RELATED UTILITY INSTALLATION, REFER TO DSRSD STANDARD DETAILS AND SPECIFICATIONS.
3. DRAINAGE GRATES SHALL BE ADA-COMPLIANT. GRATES SHALL HAVE SLOT OPENINGS 1/2" OR LESS IN ONE DIRECTION. GRATES WITH ELONGATED OPENING SHALL BE PLACED SUCH THAT THE LONG DIMENSION OF THE GRATE OPENING IS PERPENDICULAR TO THE DOMINANT DIRECTION OF TRAVEL.
4. FOR ALL PROPOSED UTILITIES WITHIN CLOSE PROXIMITY OF PROPOSED FOUNDATIONS, CONTRACTOR TO TAKE CARE TO NOT PLACE TRENCH LIMITS, NOR UTILITY WITHIN THE BUILDING ZONE OF INFLUENCE .
5. INSTALL STORM DRAIN MARKER ON ALL PROPOSED STORM DRAIN INLETS AND ALL EXISTING PUBLIC AND PRIVATE STORM DRAIN INLETS THAT HAVE NOT BEEN MARKED "NO DUMPING DRAINS TO CREEK" WITHIN THE PROJECT LIMIT.
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7. THE CIVIL UNDERGROUND UTILITY SCOPE ENDS 5' FROM FACE OF BUILDING. PLEASE SEE PLUMBING PLANS FOR CONTINUATION.
8. CONTRACTOR TO VERIFY DEPTH AND ELEVATION OF EXISTING UTILITY STUBS. THE INFORMATION SHOWN ON THESE PLANS IS BASED ON RECORD INFORMATION.
9. ALL SANITARY SEWER LATERAL PIPES SHALL SLOPE PER DUBLIN SAN RAMON SERVICES DISTRICT STANDARD MINIMUM SLOPES.
10. ALL STORM DRAIN PERFORATED PIPE TO SLOPE AT A MIN 0.5% UNLESS OTHERWISE NOTES.
11. ALL STORM DRAIN OVERFLOW INLETS IN BIORETENTION AREAS SHALL BE (12"X12") OR EQUAL WITH FRAMES AND GRATES UNLESS OTHERWISE NOTES.
12. CONTRACTOR TO CONTACT USA AT (800) 247-2600 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION, UTILITY REMOVAL AND RELOCATION.
13. MAINTAIN 2 FEET OF MINIMUM VERTICAL SEPARATION TO WATER MAIN FROM ALL UTILITY CROSSINGS. FOR VERTICAL SEPARATION BETWEEN PUBLIC WATER FACILITIES AND OTHER UTILITIES, REFER TO SHEET C7.0i1, DETAIL 4.
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PIPING MATERIAL SCHEDULE

UTILITY	PIPE MATERIAL
STORM DRAIN (LESS THAN 12" DIA WITH COVER OF 36" OR MORE)	PVC SDR 35
STORM DRAIN (LESS THAN 12" DIA WITH COVER OF LESS THAN 36")	PVC SDR 26
SUBDRAIN (PERFORATED PER DETAIL)	PVC SCHEDULE 40
SANITARY SEWER (WITH COVER OF 36" OR MORE)	PVC SDR 26
DOMESTIC WATER (LESS THAN 4" DIAMETER)	PVC SCHEDULE 40
DOMESTIC WATER (4" DIAMETER OR LARGER)	PVC C900 DR14 (UNLESS OTHERWISE NOTED)

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DUBLIN, CA

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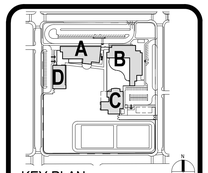
CLIENT LOGO

DUBLIN UNIFIED School District



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07/12/2024

CLIENT
DUBLIN UNIFIED SCHOOL DISTRICT

DATE	PROJECT NUMBER
07/01/2024	230466

DRAWING HISTORY

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PROJECT STATUS

UTILITY PLAN

C5.0i1

FILE PATH:
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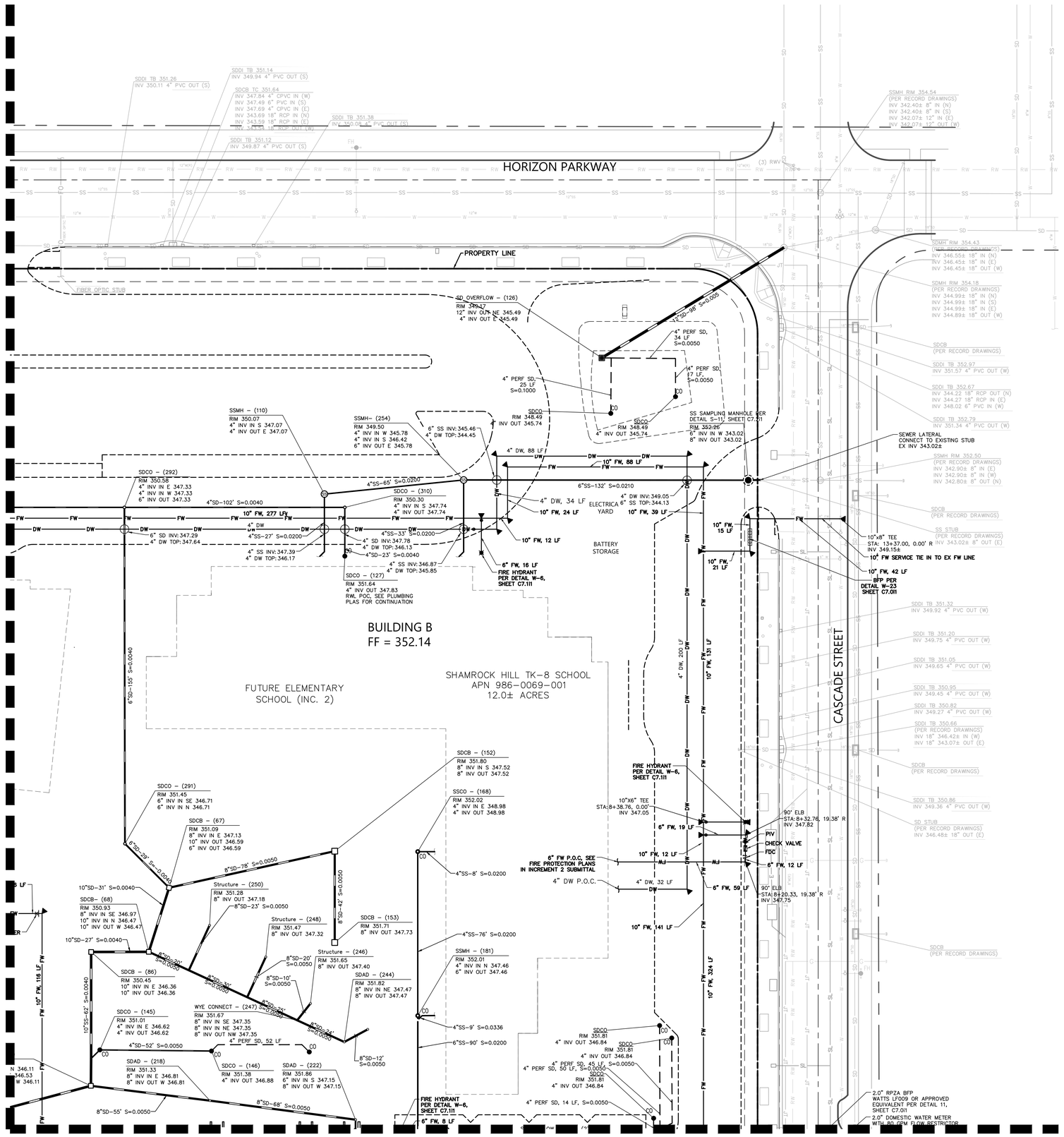

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DUBLIN, CA

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DUBLIN UNIFIED School District

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DISCIPLINE
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ERIC S. SWANSON
No. C 80107
CIVIL
STATE OF CALIFORNIA
07/12/2024

CLIENT
DUBLIN UNIFIED SCHOOL DISTRICT

DATE	PROJECT NUMBER
07/01/2024	230466

DRAWING HISTORY

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PROJECT STATUS

UTILITY PLAN

C5.1i1

FILE PATH:
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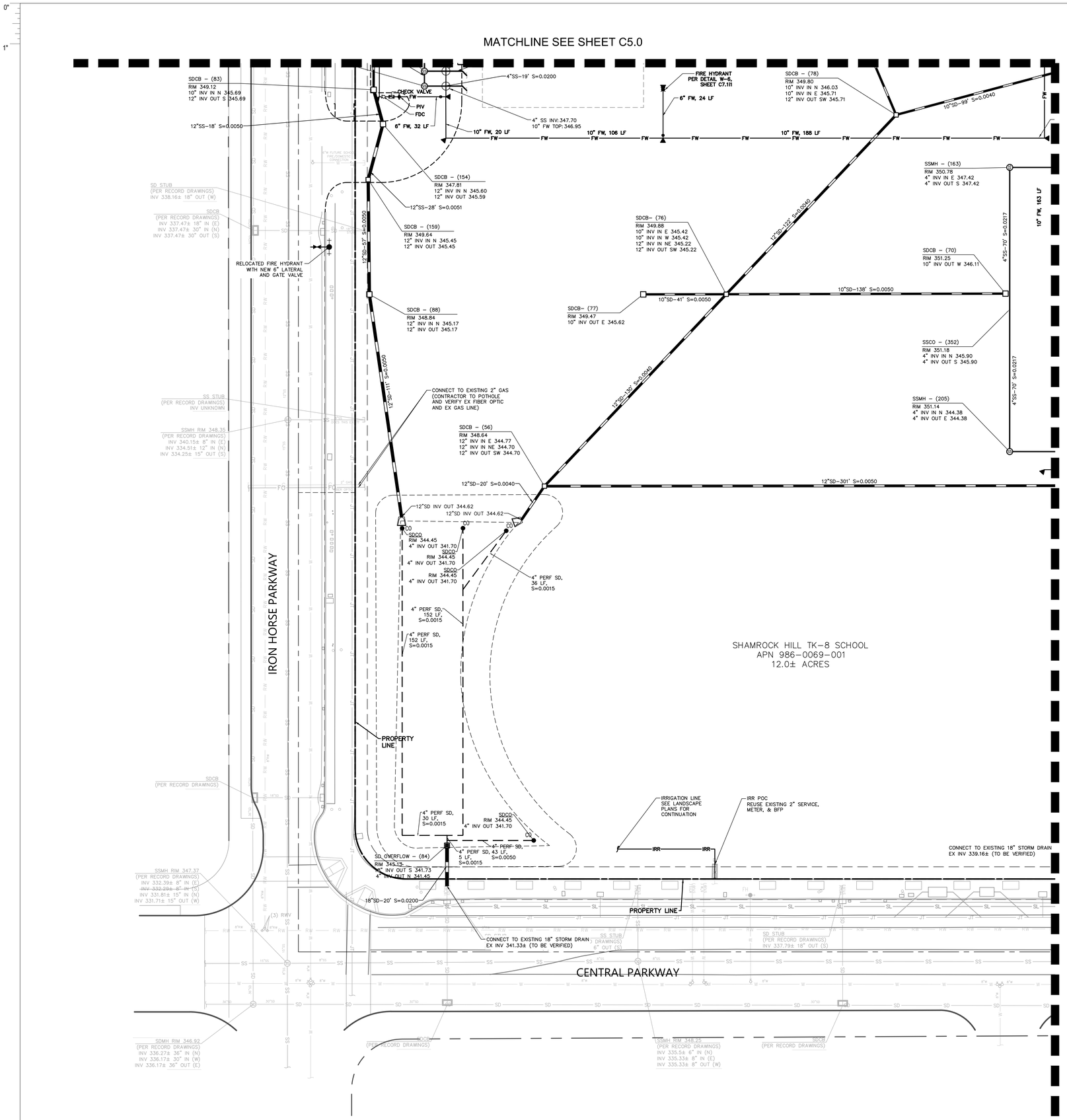

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UTILITY	PIPE MATERIAL
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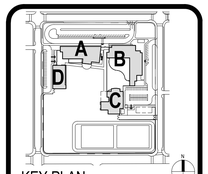

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C5.2i1

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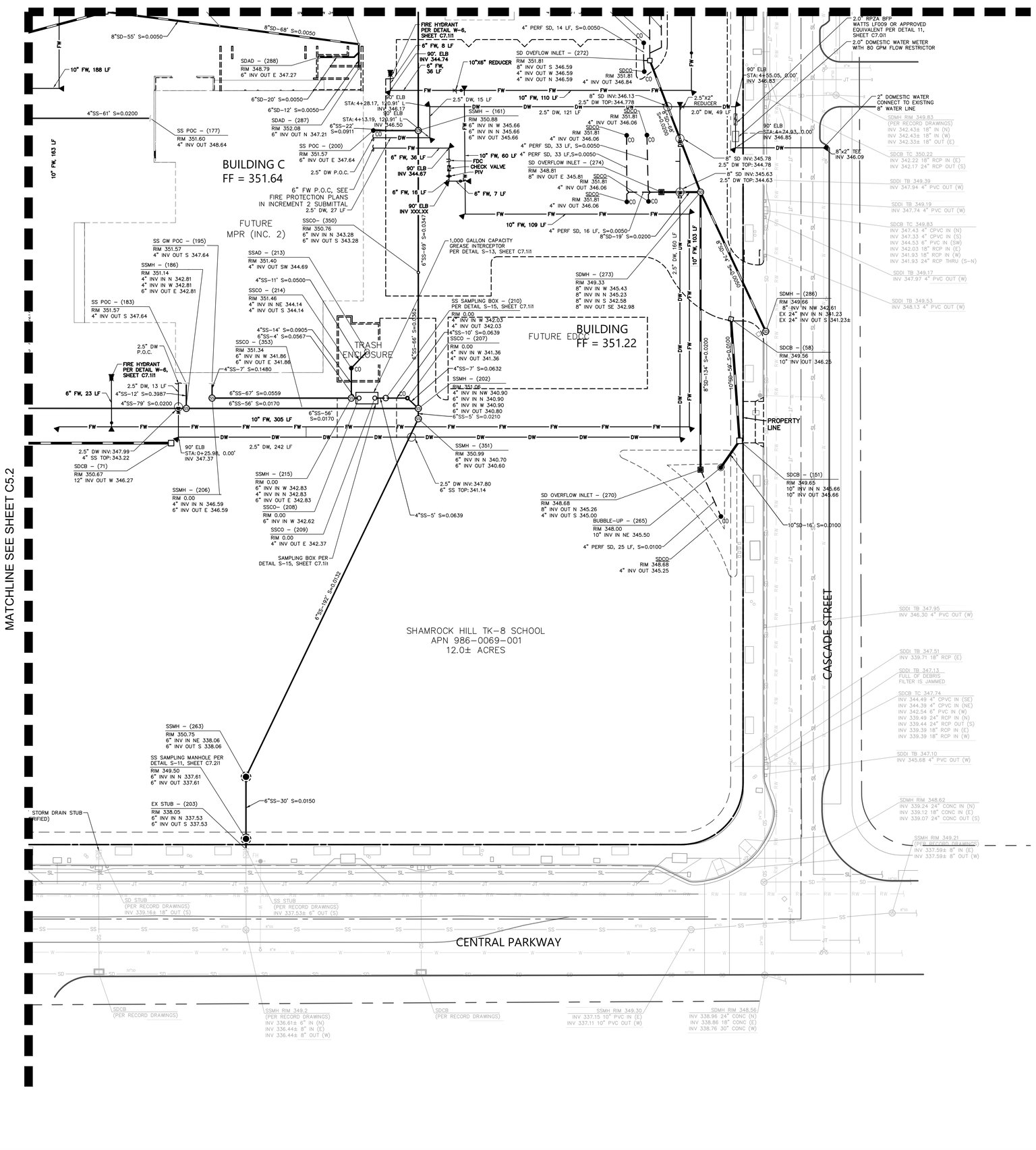

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S.P.P.	SEE PLUMBING PLANS
SDMH	STORM DRAIN MANHOLE
SSMH	SANITARY SEWER MANHOLE
SSCO	SANITARY SEWER CLEANOUT

UTILITY NOTES

1. CONTRACTOR TO VERIFY LOCATION AND DEPTH OF EXISTING UNDERGROUND CONDUIT BANK AND CONTACT ARCHITECT/CIVIL ENGINEER IF EXISTING UTILITIES ARE IN CONFLICT WITH PROPOSED IMPROVEMENTS.
2. FOR ALL WATER RELATED UTILITY INSTALLATION, REFER TO DSRSD STANDARD DETAILS AND SPECIFICATIONS.
3. DRAINAGE GRATES SHALL BE ADA-COMPLIANT. GRATES SHALL HAVE SLOT OPENINGS 1/2" OR LESS IN ONE DIRECTION. GRATES WITH ELONGATED OPENING SHALL BE PLACED SUCH THAT THE LONG DIMENSION OF THE GRATE OPENING IS PERPENDICULAR TO THE DOMINANT DIRECTION OF TRAVEL.
4. FOR ALL PROPOSED UTILITIES WITHIN CLOSE PROXIMITY OF PROPOSED FOUNDATIONS, CONTRACTOR TO TAKE CARE TO NOT PLACE TRENCH LIMITS, NOR UTILITY WITHIN THE BUILDING ZONE OF INFLUENCE .
5. INSTALL STORM DRAIN MARKER ON ALL PROPOSED STORM DRAIN INLETS AND ALL EXISTING PUBLIC AND PRIVATE STORM DRAIN INLETS THAT HAVE NOT BEEN MARKED "NO DUMPING DRAINS TO CREEK" WITHIN THE PROJECT LIMIT.
6. TRENCH AND BACKFILL FOR STORM DRAIN SHALL BE PER DETAILS 3 AND 4, SHEET C7.1. TRENCH AND BACK FILL FOR WATER AND SEWER SHALL BE PER DETAIL 3, SHEET C7.5.
7. THE CIVIL UNDERGROUND UTILITY SCOPE ENDS 5' FROM FACE OF BUILDING. PLEASE SEE PLUMBING PLANS FOR CONTINUATION.
8. CONTRACTOR TO VERIFY DEPTH AND ELEVATION OF EXISTING UTILITY STUBS. THE INFORMATION SHOWN ON THESE PLANS IS BASED ON RECORD INFORMATION.
9. ALL SANITARY SEWER LATERAL PIPES SHALL SLOPE PER DUBLIN SAN RAMON SERVICES DISTRICT STANDARD MINIMUM SLOPES.
10. ALL STORM DRAIN PERFORATED PIPE TO SLOPE AT A MIN 0.5% UNLESS OTHERWISE NOTES.
11. ALL STORM DRAIN OVERFLOW INLETS IN BIORETENTION AREAS SHALL BE (12"X12") OR EQUAL WITH FRAMES AND GRATES UNLESS OTHERWISE NOTES.
12. CONTRACTOR TO CONTACT USA AT (800) 247-2600 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION, UTILITY REMOVAL AND RELOCATION.
13. MAINTAIN 2 FEET OF MINIMUM VERTICAL SEPARATION TO WATER MAIN FROM ALL UTILITY CROSSINGS. FOR VERTICAL SEPARATION BETWEEN PUBLIC WATER FACILITIES AND OTHER UTILITIES, REFER TO SHEET C7.0ı1, DETAIL 4.
14. ALL STORM DRAIN PIPE TO BE SDR 26 UNLESS OTHERWISE NOTES.
15. INSTALL ALL GRAVITY FLOW UTILITIES FROM DOWNSTREAM CONNECTION POINT TO UPSTREAM TERMINUS. CONTRACTOR TO VERIFY PATH PRIOR TO GRAVITY PIPE INSTALLATIONS.

PIPING MATERIAL SCHEDULE

UTILITY	PIPE MATERIAL
STORM DRAIN (LESS THAN 12" DIA WITH COVER OF 36" OR MORE)	PVC SDR 35
STORM DRAIN (LESS THAN 12" DIA WITH COVER OF LESS THAN 36")	PVC SDR 26
SUBDRAIN (PERFORATED PER DETAIL)	PVC SCHEDULE 40
SANITARY SEWER (WITH COVER OF 36" OR MORE)	PVC SDR 26
DOMESTIC WATER (LESS THAN 4" DIAMETER)	PVC SCHEDULE 40
DOMESTIC WATER (4" DIAMETER OR LARGER)	PVC C900 DR14 (UNLESS OTHERWISE NOTED)

N

20 0 20 40
scale 1" = 20' feet

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SHAMROCK HILLS TK-8 SCHOOL INCREMENT 1

DUBLIN, CA
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CLIENT LOGO
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KEY PLAN

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(925) 940-2200
www.bkf.com

DISCIPLINE
REGISTERED PROFESSIONAL ENGINEER
ERIC S. SWANSON
No. ~~C80107~~
CIVIL
STATE OF CALIFORNIA
07/12/2024

CLIENT
DUBLIN UNIFIED SCHOOL DISTRICT

DATE	PROJECT NUMBER
07/01/2024	230466

DRAWING HISTORY

No.	Description	Date

PROJECT STATUS

UTILITY PLAN

C5.3i1

FILE PATH:
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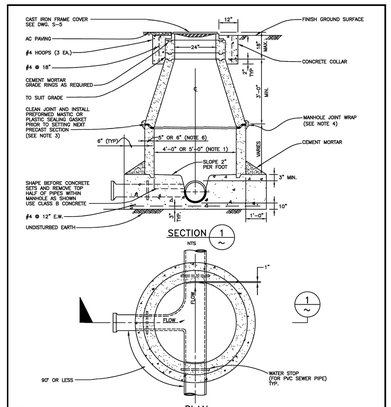
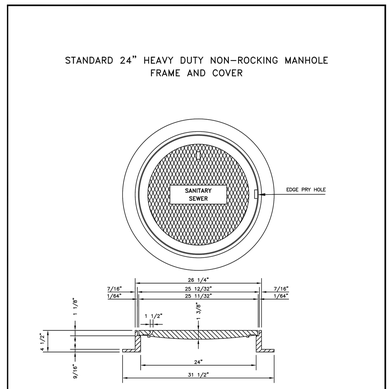
0"
1"



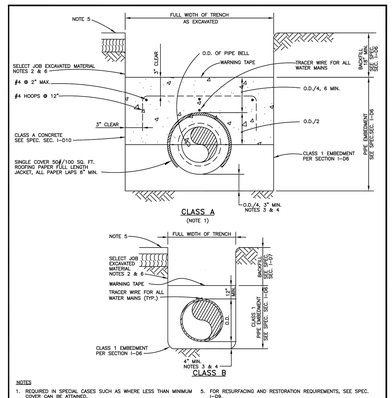
Dublin San Ramon Services District	DATE: DEC 2020
STANDARD MANHOLE	REVISED BY: RM
SIGNED COPY ON FILE AT DISTRICT OFFICE	DRAWING: S-2

1 / - DSRSD STD. DETAIL S-2 NTS



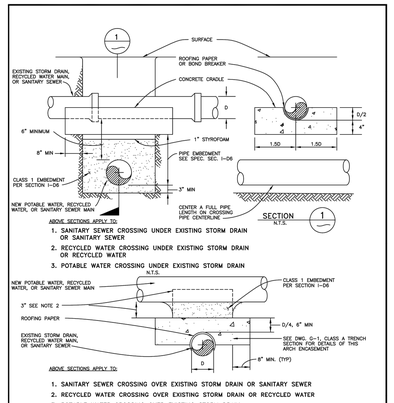
Dublin San Ramon Services District	REVISION DATE: DEC 2019
STANDARD MANHOLE FRAME AND COVER	REVISED BY: BD
SIGNED COPY ON FILE AT DISTRICT OFFICE	DRAWING: S-5

2 / - DSRSD STD. DETAIL S-5 NTS



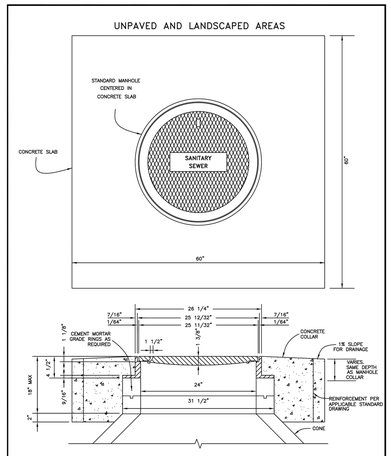
Dublin San Ramon Services District	DATE: DEC 2019
STANDARD TRENCH SECTION FOR WATER AND SEWER MAINS AND SIDE SEWER INSTALLATIONS	DESIGNED BD
SIGNED COPY ON FILE AT DISTRICT OFFICE	DRAWING G-1

3 / - DSRSD STD. DETAIL G-1 NTS



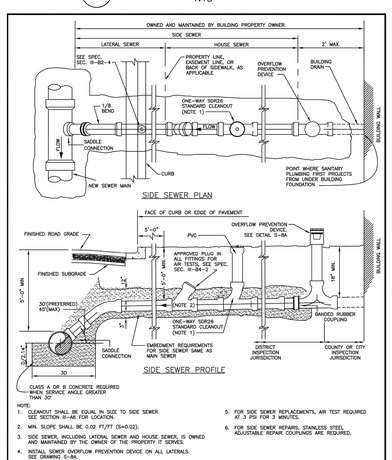
Dublin San Ramon Services District	DATE: MAY 2022
CLOSE CROSSING DETAIL	DESIGNED RM
SIGNED COPY ON FILE AT DISTRICT OFFICE	DRAWING G-3

4 / - DSRSD STD. DETAIL G-3 NTS



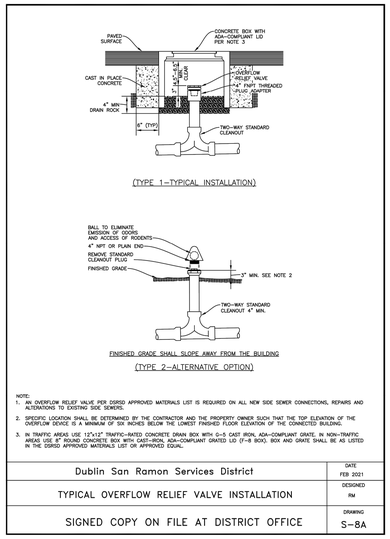
Dublin San Ramon Services District	DATE: DEC 2019
MANHOLE PAD DETAIL	DESIGNED BD
SIGNED COPY ON FILE AT DISTRICT OFFICE	DRAWING S-6A

5 / - DSRSD STD. DETAIL S-6A NTS



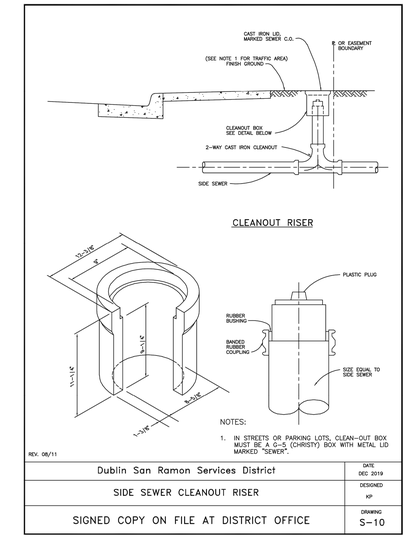
Dublin San Ramon Services District	DATE: FEB 2021
TYPICAL SIDE SEWER INSTALLATION	DESIGNED RM
SIGNED COPY ON FILE AT DISTRICT OFFICE	DRAWING S-8

6 / - DSRSD STD. DETAIL S-8 NTS



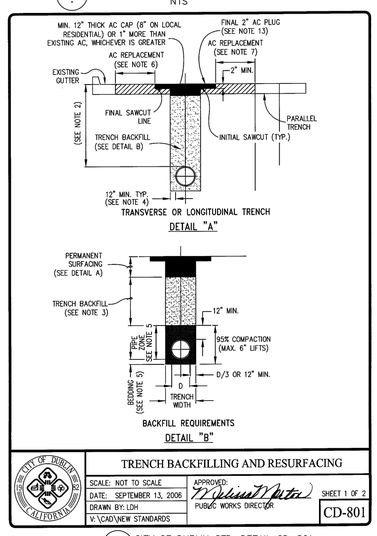
Dublin San Ramon Services District	DATE: FEB 2021
TYPICAL OVERFLOW RELIEF VALVE INSTALLATION	DESIGNED RM
SIGNED COPY ON FILE AT DISTRICT OFFICE	DRAWING S-8A

7 / - DSRSD STD. DETAIL S-8A NTS



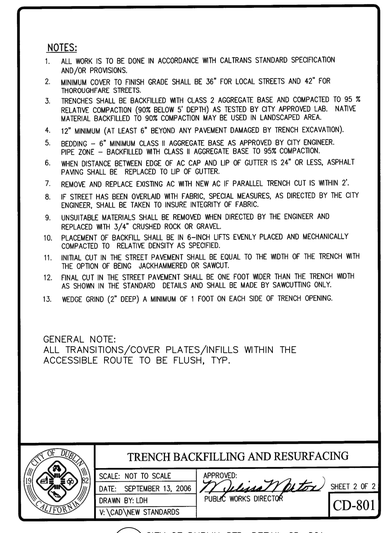
Dublin San Ramon Services District	DATE: DEC 2019
SIDE SEWER CLEANOUT RISER	DESIGNED KP
SIGNED COPY ON FILE AT DISTRICT OFFICE	DRAWING S-10

8 / - DSRSD STD. DETAIL S-10 NTS



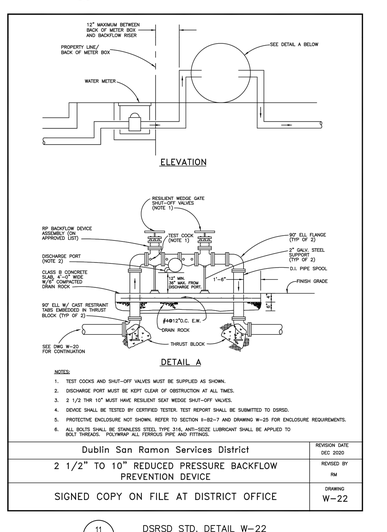
CITY OF DUBLIN	TRENCH BACKFILLING AND RESURFACING	
	SCALE: NOT TO SCALE	APPROVED:
	DATE: SEPTEMBER 13, 2006	PUBLIC WORKS DIRECTOR
	DRAWN BY: LDH	SHEET 1 OF 2
	V:\CAD\NEW STANDARDS	CD-801

9 / - CITY OF DUBLIN STD. DETAIL CD-801 NTS



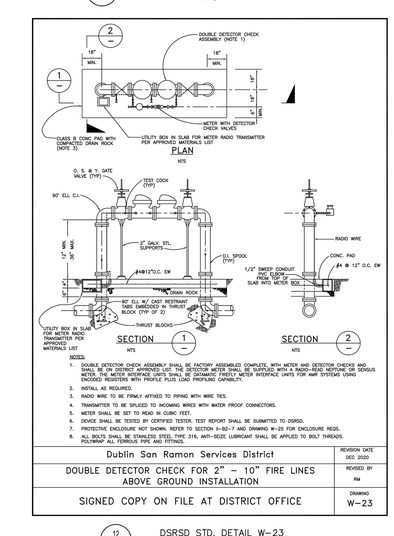
CITY OF DUBLIN	TRENCH BACKFILLING AND RESURFACING	
	SCALE: NOT TO SCALE	APPROVED:
	DATE: SEPTEMBER 13, 2006	PUBLIC WORKS DIRECTOR
	DRAWN BY: LDH	SHEET 2 OF 2
	V:\CAD\NEW STANDARDS	CD-801

10 / - CITY OF DUBLIN STD. DETAIL CD-801 NTS



Dublin San Ramon Services District	REVISION DATE: DEC 2020
2 1/2" TO 10" REDUCED PRESSURE BACKFLOW PREVENTION DEVICE	REVISED BY RM
SIGNED COPY ON FILE AT DISTRICT OFFICE	DRAWING W-22

11 / - DSRSD STD. DETAIL W-22 NTS



Dublin San Ramon Services District	REVISION DATE: DEC 2020
DOUBLE DETECTOR CHECK FOR 2" – 10" FIRE LINES ABOVE GROUND INSTALLATION	REVISED BY RM
SIGNED COPY ON FILE AT DISTRICT OFFICE	DRAWING W-23

12 / - DSRSD STD. DETAIL W-23 NTS

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SHAMROCK HILLS TK-8 SCHOOL INCREMENT 1

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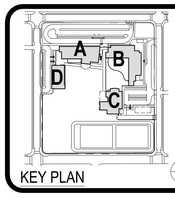
DSA APPL NO.: ##-###### DSA FILE NO.: ##-##

CLIENT LOGO
DUBLIN UNIFIED School District



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(925) 940-2200
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DISCIPLINE
REGISTERED PROFESSIONAL ENGINEER
ERIC S. SWANSON
No. C 80607
CIVIL
STATE OF CALIFORNIA
07/12/2024

CLIENT
DUBLIN UNIFIED SCHOOL DISTRICT
DATE 07/01/2024
PROJECT NUMBER 230466

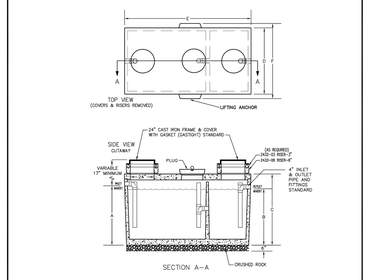
DRAWING HISTORY

No.	Description	Date

PROJECT STATUS

CONSTRUCTION DETAILS

C7.0i1

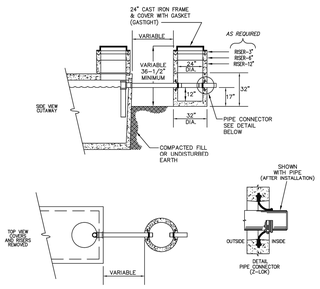


1. CONCRETE GREASE INTERCEPTOR SHALL BE AS LISTED ON THE APPROVED MATERIALS LIST, OR APPROVED EQUAL.
2. THE GREASE INTERCEPTOR SHALL BE LOCATED AND INSTALLED OUTSIDE OF THE BUILDING.
3. THE GREASE INTERCEPTOR SHALL BE LOCATED AND/OR CONSTRUCTED IN SUCH A MANNER AS TO EXCLUDE THE ENTRANCE OF SURFACE, STORM, OR RAINWATER.
4. SIZE OF GREASE INTERCEPTOR SHALL BE APPROVED BY THE DISTRICT ENGINEER.
5. BOX SHALL BE LOAD S H20 TRAFFIC LOADING WITH 4" TO 6" OF SOIL COVER.
6. ALL EXPOSED EXTERIOR COUPLINGS SHALL BE "NO-HUB" COUPLINGS ALL INTERIOR FITTINGS SHALL BE "NO-HUB" CAST IRON OR APPROVED EQUAL.
7. INSTALL SAMPLING BOX WITHIN 3' OF THE OUTLET OF THE GREASE INTERCEPTOR.
8. GREASE INTERCEPTOR SHALL BE SET ON DRAIN ROCK.

CAPACITY IN GALLONS	REFERENCE MODEL (JENSEN)	A	B	C	D	E	F
750	JP750EPE-G	5'-0"	4'-9"	6'-3"	4'-0"	8'-1"	4'-3"
1000	JP1000EPE-G	5'-0"	4'-9"	6'-3"	5'-1"	8'-2"	5'-4"
1200	JP1200EPE-G	5'-0"	4'-9"	6'-3"	5'-8"	8'-4"	6'-0"
1500	JP1500EPE-G	5'-0"	4'-9"	6'-3"	5'-7"	10'-8"	5'-10"

Dublin San Ramon Services District	REVISION DATE: DEC 2019
GREASE INTERCEPTOR 750 – 1500 GALLON CAPACITY	REVISED BY: BD
SIGNED COPY ON FILE AT DISTRICT OFFICE	DRAWING: S-13

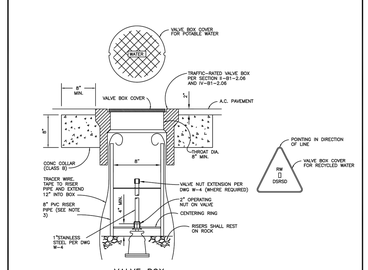
1 / - DSRSD STD. DETAIL S-13 NTS



NOTES:
1. SAMPLE BOX SHALL BE LISTED ON THE APPROVED MATERIAL LIST, OR APPROVED EQUAL.
2. THIS SAMPLE BOX IS NOT INTENDED FOR THE INTRODUCTION OF DOMESTIC SEWAGE, LOCATION AND TRIBUTARY DISCHARGE SOURCES SHALL BE APPROVED BY THE DSRSD INSPECTOR.

Dublin San Ramon Services District	REVISION DATE:
SAMPLING BOX	REVISED BY: BD
SIGNED COPY ON FILE AT DISTRICT OFFICE	DRAWING: S-15

2 / - DSRSD STD. DETAIL S-15 NTS

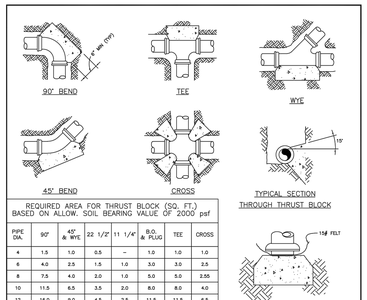


VALVE BOX WITH CAST IRON TRAFFIC LID

NOTES:
1. A.C. PAVEMENT TO COMPLY WITH STREET PAVEMENT REQUIREMENTS.
2. FOR VALVE BOXES INSTALLED IN NON-TRAFFIC AREAS, CONCRETE COLLAR SHALL BE EXTENDED TO FINISH GRADE. SLOPE COLLAR TO DRAIN AWAY FROM LID.
3. RISER PIPE TO BE ONE CONTINUOUS PIECE OF PVC.
4. VALVE BOX COVERS FOR RECYCLED WATER MAINS SHALL BE TRIANGULAR WITH "RW-DSRSD" INSCRIPTION CAST ON THE TOP SURFACE.
5. VALVE BOX COVERS FOR RW WATER MAINS SHALL BE POWDER COATED.

Dublin San Ramon Services District	REVISION DATE: JUN 2020
VALVE BOX INSTALLATION	REVISED BY: BD
SIGNED COPY ON FILE AT DISTRICT OFFICE	DRAWING: W-1

3 / - DSRSD STD. DETAIL W-1 NTS



REQUIRED AREA FOR THRUST BLOCK (SQ. FT.) BASED ON ALLOW. SOIL BEARING VALUE OF 2000 psf

PIPE DIA.	90°	45° & WYE	22 1/2°	11 1/4°	B.O. & PLUG	TEE	CROSS
4	1.5	1.0	0.5	–	1.0	1.0	1.0
6	4.0	2.5	1.5	1.0	3.0	3.0	2.5
8	7.5	4.0	2.0	1.0	5.0	5.0	2.55
10	11.5	6.5	3.5	2.0	8.0	8.0	4.0
12	16.0	9.0	4.5	2.5	11.5	11.5	6.5
16	29.0	16.0	8.0	4.0	20.0	20.0	11.0
18	37.0	29.0	10.0	5.0	26.0	26.0	13.0

MULTIPLIERS FOR THRUST BLOCK AREAS

ACTUAL SOIL BEARING VALUE	MULTIPLIER
1000 psf	2.0
1500 psf	1.33
2000 psf	1.0
2500 psf	0.8
3000 psf	0.67

EXAMPLE
ACTUAL SOIL BEARING VALUE = 1000 psf
FOS IS SLOW DAY
REQUIRED AREA IS (2.0)(5.0 SQ. FT.) = 10.0 SQ. FT.

NOTES:
1. ALL THRUST BLOCKS TO BE PLACED AGAINST UNDISTURBED EARTH.
2. THRUST BLOCKS SHALL BE CLASS B CONCRETE.
3. USE ROOFING FELT TO BE PLACED BETWEEN PIPE AND THRUST BLOCK CONCRETE.
4. SEVEN DAY CURE TIME REQUIRED PRIOR TO FILLING OR PRESSURING MAINS.
5. THRUST BLOCKS SHALL BE FORMED BEYOND UNDISTURBED EARTH.

REV. 09/06

Dublin San Ramon Services District	DATE: MAY 1987
CONCRETE THRUST BLOCKS	DESIGNED: RMR
SIGNED COPY ON FILE AT DISTRICT OFFICE	DRAWING: W-2

4 / - DSRSD STD. DETAIL W-2 NTS

THRUST BLOCK DIMENSIONS ~ UPWARD THRUST

PIPE SIZE	11-1/4° BEND				22 1/2° BEND				45° BEND			
	L	W	H	G	L	W	H	G	L	W	H	G
4"	2'-0"	2'-0"	1'-0"	9"	2'-0"	2'-0"	1'-0"	9"	2'-0"	2'-0"	2'-0"	6"
6"	2'-0"	2'-0"	1'-0"	9"	2'-0"	2'-0"	2'-0"	1'-0"	3'-0"	2'-0"	2'-0"	6"
8"	2'-0"	2'-0"	1'-0"	9"	3'-0"	2'-0"	2'-0"	1'-0"	4'-8"	2'-0"	3'-0"	6"
10"	3'-0"	2'-0"	2'-0"	1'-8"	5'-0"	3'-0"	2'-0"	1'-0"	6'-0"	2'-0"	3'-8"	8"
12"	3'-0"	2'-0"	2'-0"	1'-8"	5'-0"	3'-0"	2'-0"	1'-0"	7'-0"	2'-0"	4'-0"	8"

REV. 08/01

Dublin San Ramon Services District	DATE: MAY 1987
CONCRETE THRUST BLOCKS FOR VERTICAL BENDS	DESIGNED: SAD
SIGNED COPY ON FILE AT DISTRICT OFFICE	DRAWING: W-3

5 / - DSRSD STD. DETAIL W-3 NTS

NOTES:
1. ON MAINS WHERE VALVES ARE TO BE INSTALLED ADJACENT TO TEES OR CROSSES, THE VALVES SHALL BE FLANGED X MJ WITH FLANGED END BOLTED DIRECTLY TO THE TEE OR CROSS.
2. VALVE DISTANCE IN FEET TO BE MARKED ON CURB.
3. SEE PLANS AND SPECIFICATIONS FOR LOCATION OF HYDRANTS. REFER TO SECTION II-B2-5.01 FOR PLACEMENT OF FIRE HYDRANTS BEHIND CURBS AND SIDEWALKS.
4. REFER TO SECTION II-A7 FOR CLEARANCE BETWEEN HYDRANT AND FIXED OBJECTS.
5. REFER TO SECTION II-B1-2.03 FOR HYDRANT EXTERIOR PAINT REQUIREMENTS.
6. ALL BOLTS SHALL BE STAINLESS STEEL TYPE 316, ANTI-SEIZE LUBRICANT SHALL BE APPLIED TO BOLT THREADS. POLYWRAP ALL FERROUS PIPE AND FITTINGS.
7. TRACER WIRE SHALL BE INSTALLED ON ALL FIRE HYDRANT RUNS.

Dublin San Ramon Services District	REVISION DATE: JUN 2020
FIRE HYDRANT INSTALLATION	REVISED BY: BD
SIGNED COPY ON FILE AT DISTRICT OFFICE	DRAWING: W-6

6 / - DSRSD STD. DETAIL W-6 NTS

NOTES:
1. COAT ALL BONNET BOLTS, GLAND, GLAND BOLTS AND STEM WITH BITUMINOUS PAINT, SEE SPECS.
2. ON MAINS WHERE VALVES ARE TO BE INSTALLED ADJACENT TO TEES OR CROSSES, THE VALVES SHALL BE FLG x MJ WITH FLANGED END BOLTED DIRECTLY TO THE TEE OR CROSS.
3. IN-LINE VALVES SHALL HAVE RESTRAINED MJ ENDS, WHERE NOT CONNECTING TO A FLANGED FITTING.
4. CENTERING RING PER SECTION II-B1-2.04 OF THESE STANDARDS.
5. ALL BOLTS SHALL BE STAINLESS STEEL TYPE 316, OR APPROVED EQUAL, ANTI-SEIZE LUBRICANT SHALL BE APPLIED TO BOLT THREADS. POLYWRAP ALL FERROUS PIPE AND FITTINGS.
6. CONCRETE CRADLE FOR VALVE SHALL BE FORMED AND NOT ENCASE FITTINGS.
7. CATHODIC PROTECTION IS REQUIRED.

Dublin San Ramon Services District	REVISION DATE: DEC 2019
GATE VALVE INSTALLATION 12" GATE VALVE AND SMALLER	REVISED BY: KP/BD
SIGNED COPY ON FILE AT DISTRICT OFFICE	DRAWING: W-13

7 / - DSRSD STD. DETAIL W-13 NTS

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DATE: 7/26/2024

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Berkeley, CA 94710-2697
510-450-1999 P

SHAMROCK HILLS TK-8 SCHOOL INCREMENT 1
DUBLIN, CA
DSA APPL NO.: ##-###### DSA FILE NO.: ##-##

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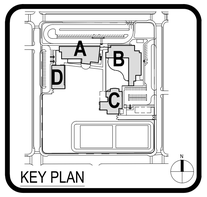
DUBLIN UNIFIED
School District



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DISCIPLINE
REGISTERED PROFESSIONAL ENGINEER
ERIC S. SWANSON
No. 84007
CIVIL
STATE OF CALIFORNIA
07/12/2024

CLIENT
DUBLIN UNIFIED SCHOOL DISTRICT

DATE	PROJECT NUMBER
07/01/2024	230466

DRAWING HISTORY

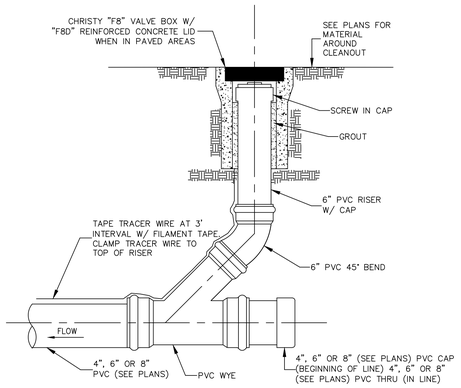
No.	Description	Date

PROJECT STATUS

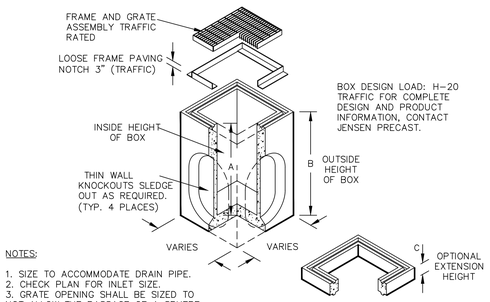
CONSTRUCTION DETAILS

C7.1i1

FOR BLUEBEAM LABELING/OCR:

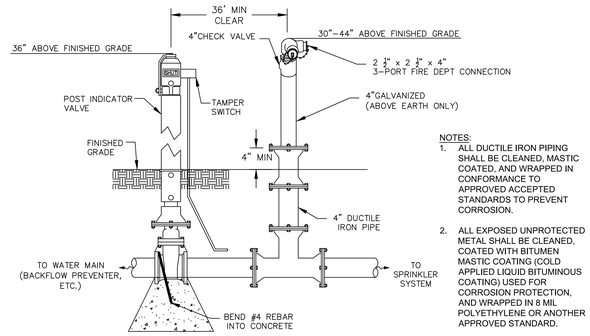


1 - CLEANOUT
NTS



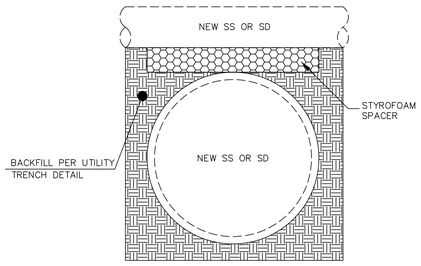
NOTES:
1. SIZE TO ACCOMMODATE DRAIN PIPE.
2. CHECK PLAN FOR INLET SIZE.
3. GRATE OPENING SHALL BE SIZED TO NOT ALLOW THE PASSAGE OF A SPHERE GREATER THAN ¾" DIAMETER. ELONGATED OPENINGS SHALL BE PLACED SO THAT LONG DIMENSION IS PERPENDICULAR TO THE DOMINANT DIRECTION OF TRAVEL.

2 - DRAIN INLET
NTS



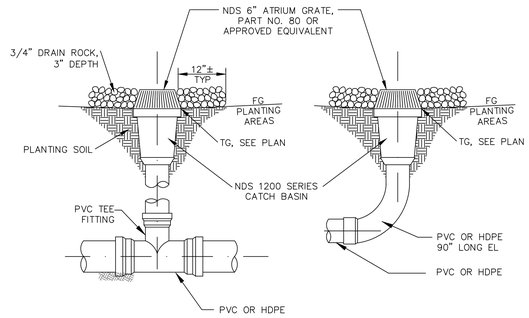
NOTES:
1. ALL DUCTILE IRON PIPING SHALL BE CLEANED, MASTIC COATED, AND WRAPPED IN CONFORMANCE TO APPROVED ACCEPTED STANDARDS TO PREVENT CORROSION.
2. ALL EXPOSED UNPROTECTED METAL SHALL BE CLEANED, COATED WITH BITUMEN MASTIC COATING (COLD APPLIED LIQUID BITUMINOUS COATING) USED FOR CORROSION PROTECTION, AND WRAPPED IN 8 MIL POLYETHYLENE OR ANOTHER APPROVED STANDARD.

3 - PIV & 3-PORT PDC
NTS

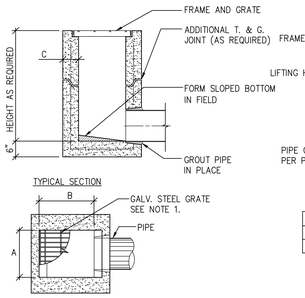


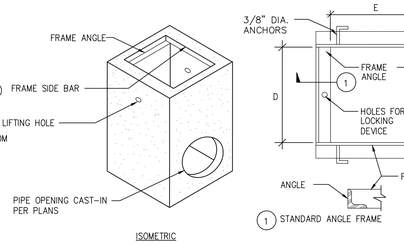
NOTE: STYROFOAM NOT REQUIRED FOR CLEARANCE OF 1 FOOT OR MORE.

4 - UTILITY CROSSING (LESS THAN 6" CLEAR)
NTS



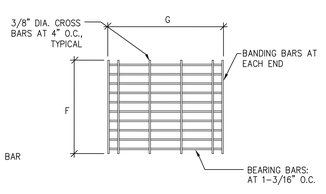
5 - AREA DRAIN
NTS



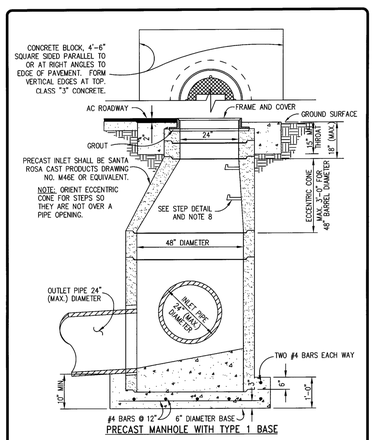


STRUCTURE	A	B	C	D	E	F	G
SDDI – 12"x12"	12"	12"	4"	12⅜"	12⅜"	12⅛"	14 1/16"
SDDI – 18"x18"	18"	18"	5"	18⅜"	18⅜"	18⅛"	20⅝"

6 - STORM DRAIN OVERFLOW INLET
NTS

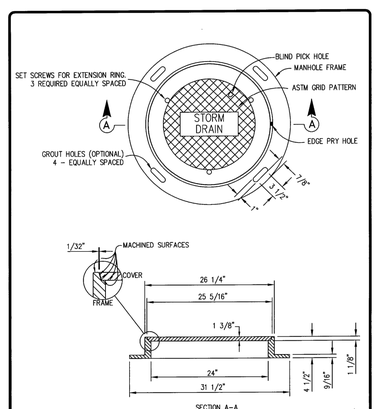


NOTES :
1. FRAMES AND GRATES SHALL SUPPORT H20 TRAFFIC LOADING.
2. FRAME AND GRATES ARE HOT-DIPPED GALVANIZED AFTER FABRICATION PER ASTM SPEC. A-123.
3. ALL FRAMES AND GRATES LOCATED WITHIN THE ACCESSIBLE PATHS OF TRAVEL SHALL MEET CBC CHAPTER 11B REQUIREMENTS FOR ACCESSIBILITY.



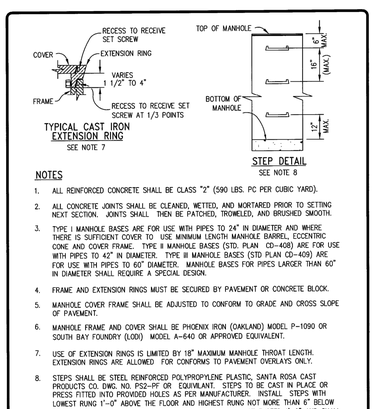
CITY OF DUBLIN CALIFORNIA	PRECAST MANHOLE, TYPE I BASE, FRAME & COVER
SCALE: NOT TO SCALE	APPROVED: PUBLIC WORKS DIRECTOR
DATE: SEPTEMBER 13, 2006	SHEET 1 OF 3
DRAWN BY: LDH	CD-407
V:\CAD\NEW STANDARDS	

7 - CITY OF DUBLIN STD. DETAIL CD-407
NTS



CITY OF DUBLIN CALIFORNIA	PRECAST MANHOLE, TYPE I BASE, FRAME & COVER
SCALE: NOT TO SCALE	APPROVED: PUBLIC WORKS DIRECTOR
DATE: SEPTEMBER 13, 2006	SHEET 2 OF 3
DRAWN BY: LDH	CD-407
V:\CAD\NEW STANDARDS	

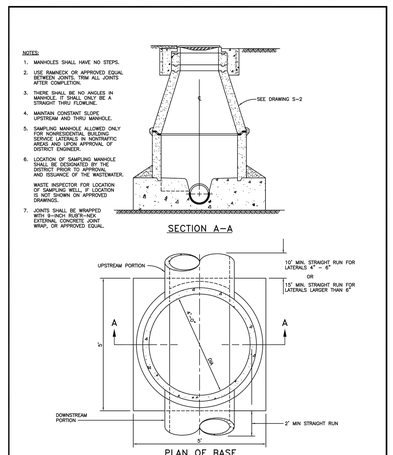
8 - CITY OF DUBLIN STD. DETAIL CD-407
NTS



NOTES
1. ALL REINFORCED CONCRETE SHALL BE CLASS "2" (590 LBS. PC PER CUBIC YARD).
2. ALL CONCRETE JOINTS SHALL BE CLEANED, WETTED, AND MORTARED PRIOR TO SETTING NEXT SECTION. JOINTS SHALL THEN BE PATCHED, TROWELED, AND BRUSHED SMOOTH.
3. TYPE I MANHOLE BASES ARE FOR USE WITH PIPES TO 24" IN DIAMETER AND WHERE THERE IS SUFFICIENT COVER TO USE MINIMUM LENGTH MANHOLE BARREL, ECCENTRIC CONE AND COVER FRAME. TYPE II MANHOLE BASES (STD. PLAN CD-408) ARE FOR USE WITH PIPES TO 42" IN DIAMETER. TYPE III MANHOLE BASES (STD PLAN CD-409) ARE FOR USE WITH PIPES TO 60" DIAMETER. MANHOLE BASES FOR PIPES LARGER THAN 60" IN DIAMETER SHALL REQUIRE A SPECIAL DESIGN.
4. FRAME AND EXTENSION RINGS MUST BE SECURED BY PAVEMENT OR CONCRETE BLOCK.
5. MANHOLE COVER FRAME SHALL BE ADJUSTED TO CONFORM TO GRADE AND CROSS SLOPE OF PAVEMENT.
6. MANHOLE FRAME AND COVER SHALL BE PHOENIX IRON (OAKLAND) MODEL P-1090 OR SOUTH BAY FOUNDRY (LOD) MODEL A-640 OR APPROVED EQUIVALENT.
7. USE OF EXTENSION RINGS IS LIMITED BY 18" MAXIMUM MANHOLE THROAT LENGTH. EXTENSION RINGS ARE ALLOWED FOR CONFORMS TO PAVEMENT OVERLAYS ONLY.
8. STEPS SHALL BE STEEL REINFORCED POLYPROPYLENE PLASTIC, SANTA ROSA CAST PRODUCTS CO. DWG. NO. PS2-PF OR EQUIVALENT. STEPS TO BE CAST IN PLACE OR PRESS FITTED INTO PROVIDED HOLES AS PER MANUFACTURER. INSTALL STEPS WITH LOWEST RUNG 1'-0" ABOVE THE FLOOR AND HIGHEST RUNG NOT MORE THAN 6" BELOW TOP OF MANHOLE. THE SPACING BETWEEN STEPS SHALL NOT EXCEED 1'-0" AND SHALL BE UNIFORM THROUGHOUT THE LENGTH OF THE WALL. PLACE STEPS IN THE WALL WITHOUT A PIPE OPENING. NO STEPS REQUIRED WHERE DISTANCE FROM FLOOR OF MANHOLE TO TOP OF MANHOLE IS LESS THAN 2'-6".

CITY OF DUBLIN CALIFORNIA	PRECAST MANHOLE, TYPE I BASE, FRAME & COVER
SCALE: NOT TO SCALE	APPROVED: PUBLIC WORKS DIRECTOR
DATE: SEPTEMBER 13, 2006	SHEET 3 OF 3
DRAWN BY: LDH	CD-407
V:\CAD\NEW STANDARDS	

9 - CITY OF DUBLIN STD. DETAIL CD-407
NTS



Dublin San Ramon Services District		DATE DEC. 2019
SAMPLING MANHOLE		DESIGNED BD
SIGNED COPY ON FILE AT DISTRICT OFFICE		DRAWING S-11

10 - DSRSD STD. DETAIL S-11
NTS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-121607 INC: 1
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 7/26/2024

PBK

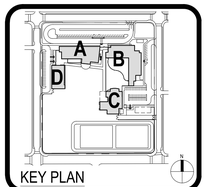
ARCHITECT PBK, Inc. PBK.com
BERKELEY
2600 Tenth Street, Suite 700
Berkeley, CA 94710-2697
510-450-1999 P

SHAMROCK HILLS TK-8 SCHOOL INCREMENT 1

DUBLIN, CA

DSA APPL NO. ##-###### DSA FILE NO. ##-##

CLIENT LOGO
DUBLIN UNIFIED
School District



KEY PLAN

CONSULTANT LOGO
BKF
1646 N. CALIFORNIA BLVD
SUITE 400
WALNUT CREEK, CA 94596
(925) 940-2200
www.bkf.com

DISCIPLINE
REGISTERED PROFESSIONAL ENGINEER
ERIC S. SWANSON
NO. 84007
CIVIL
STATE OF CALIFORNIA
07/12/2024

CLIENT
DUBLIN UNIFIED SCHOOL DISTRICT
DATE 07/01/2024
PROJECT NUMBER 230466

DRAWING HISTORY

No.	Description	Date

PROJECT STATUS

CONSTRUCTION DETAILS

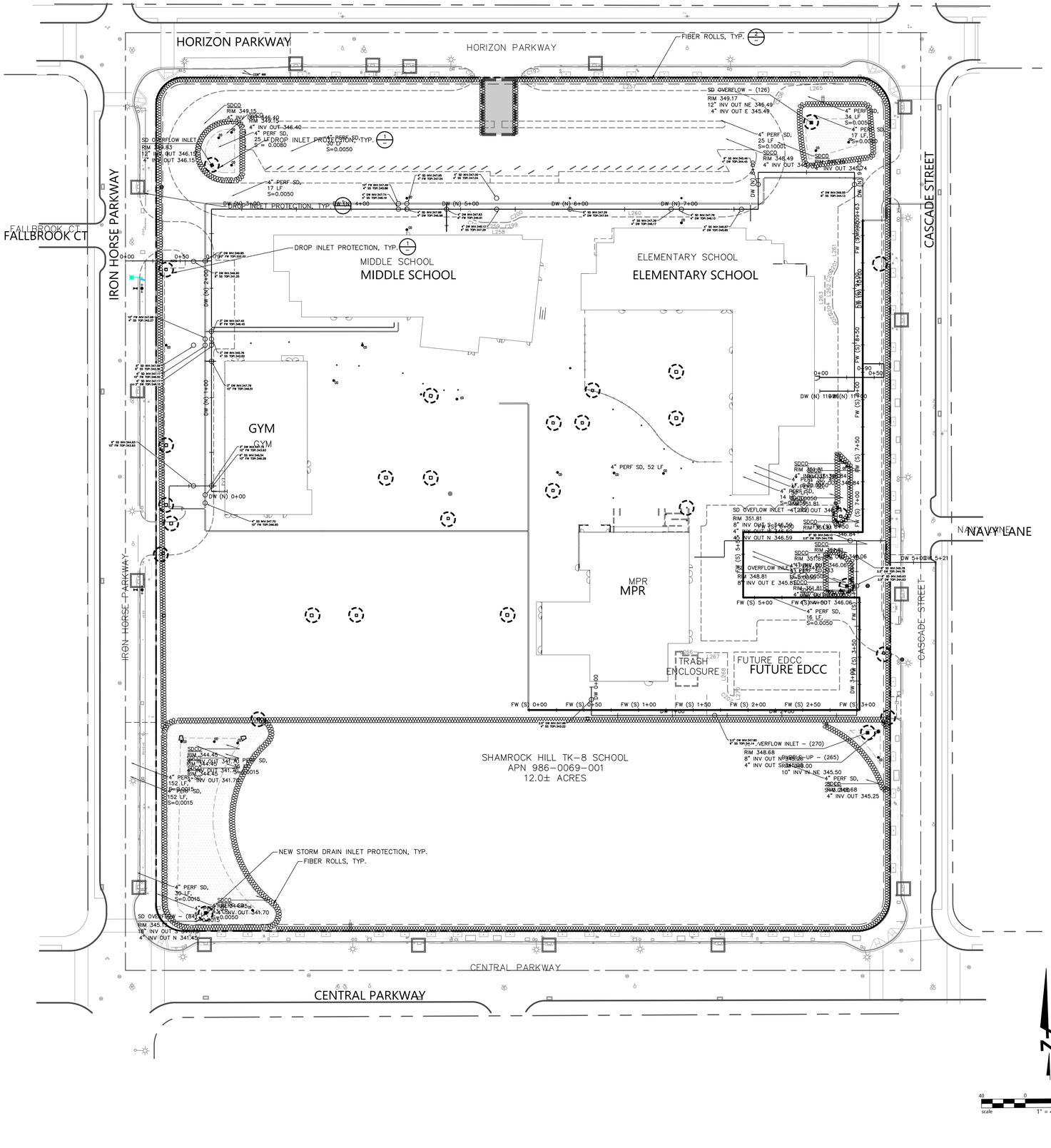
C7.2i1

FILE PATH:
CHECKED BY:
DRAWN BY:
PLOT STAMP:

FOR BLUEBEAM LABELING/OCR:

0"

1"



EROSION CONTROL LEGEND

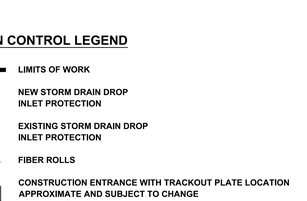
- LIMITS OF WORK
- NEW STORM DRAIN DROP INLET PROTECTION
- EXISTING STORM DRAIN DROP INLET PROTECTION
- FIBER ROLLS
- CONSTRUCTION ENTRANCE WITH TRACKOUT PLATE LOCATION APPROXIMATE AND SUBJECT TO CHANGE (SEE NOTE 8)

NOTES

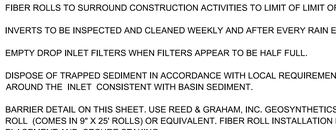
1. FIBER ROLLS TO SURROUND CONSTRUCTION ACTIVITIES TO LIMIT OF LIMIT OF WORK.
2. INVERTS TO BE INSPECTED AND CLEANED WEEKLY AND AFTER EVERY RAIN EVENT.
3. EMPTY DROP INLET FILTERS WHEN FILTERS APPEAR TO BE HALF FULL.
4. DISPOSE OF TRAPPED SEDIMENT IN ACCORDANCE WITH LOCAL REQUIREMENTS. PLACE FIBER ROLLS AROUND THE INLET CONSISTENT WITH BASIN SEDIMENT.
5. BARRIER DETAIL ON THIS SHEET. USE REED & GRAHAM, INC. GEOSYNTHETICS STRAW WATTLE FIBER ROLL (COMES IN 9" X 25' ROLLS) OR EQUIVALENT. FIBER ROLL INSTALLATION REQUIRES THE PLACEMENT AND SECURE STAKING.
6. FIBER ROLLS IN A TRENCH MUST BE 3"- 5" DEEP AND DUG ON CONTOUR. RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND FIBER ROLL. THE TOP OF THE STRUCTURE MUST BE WELL BELOW THE PONDING HEIGHT.
7. GROUND ELEVATION DOWN SLOPE TO PREVENT RUNOFF FROM BY-PASSING THE INLET. EXCAVATION OF A BASIN ADJACENT TO THE DROP INLET OR A TEMPORARY DIKE ON THE DOWN SLOPE OF THE STRUCTURE MAY BE NECESSARY.
8. SIDEWALK, CURB, AND GUTTER TO BE RECONSTRUCTED PER CITY OF DUBLIN DETAILS IF DAMAGED DURING CONSTRUCTION.

EROSION CONTROL NOTES

1. TEMPORARY EROSION CONTROL DEVICES SHOWN ON GRADING PLAN WHICH INTERFERE WITH THE WORK SHALL BE RELOCATED OR MODIFIED WHEN THE INSPECTOR AND/OR ENGINEER SO DIRECTS AS THE WORK PROGRESSES.
2. EXCEPT AS OTHERWISE DIRECTED BY THE INSPECTOR, ALL DEVICES SHOWN ON THE EROSION CONTROL PLAN SHALL BE IN PLACE AT THE END OF EACH WORKING DAY. ALL EROSION CONTROL FACILITIES MUST BE INSPECTED AND REPAIRED AT THE END OF EACH WORKING DAY DURING THE RAINY SEASON AND MAINTAINED DURING THE RAINY SEASON (OCTOBER 1 TO APRIL 15).
3. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE PROVISIONS OF THE ASSOCIATION OF BAY AREA GOVERNMENTS (ABAG) "MANUAL OF STANDARDS FOR EROSION AND SEDIMENT CONTROL MEASURES" UNLESS OTHERWISE STATED WITHIN THESE GENERAL NOTES.
4. THE CONTRACTOR SHALL PLACE DRAIN ROCK AS A GRAVEL ROADWAY (6" MINIMUM THICKNESS FOR THE FULL WIDTH AND 50 FEET LONG) AT EACH ROAD ENTRANCE TO THE SITE. ANY MUD THAT IS TRACKED ONTO PUBLIC STREETS SHALL BE REMOVED THE SAME DAY AS REQUIRED BY THE ENGINEER.
5. ALL LOOSE SOIL AND DEBRIS SHALL BE REMOVED FROM THE STREET AREAS UPON STARTING OPERATIONS AND PERIODICALLY THEREAFTER AS DIRECTED BY THE INSPECTOR AND/OR ENGINEER. THE SITE SHALL BE MAINTAINED SO AS TO MINIMIZE SEDIMENT LADEN RUNOFF TO ANY STORM DRAIN SYSTEM.
6. ANY STOCKPILE REMAINING LONGER THAN 30 DAYS TO BE COVERED WITH IMPERMEABLE SHEETS.



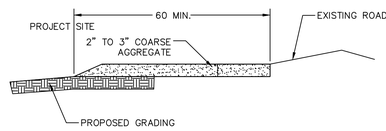
1 DROP INLET PROTECTION
NOT TO SCALE



INSTALLATION PROCEDURES

1. FIBER ROLLS ARE TUBES MADE FROM POROUS BIODEGRADABLE FIBER STUFFED IN A PHOTO-DEGRADABLE OPEN WEAVE NETTING. THEY ARE APPROX. 8" DIAMETER.
2. FIBER ROLL INSTALLATION REQUIRES THE PLACEMENT AND SECURE STAKING OF THE ROLL IN A TRENCH, 3"-4" DEEP, DUG ON CONTOUR. RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND ROLL. ROLLS SHOULD BE ABUTTED SECURELY TO PROVIDE A TIGHT JOINT, NOT OVERLAPPED.

2 FIBER ROLLS
NOT TO SCALE



NOTES:

LOCATIONS OF CONSTRUCTION ENTRANCE SHALL BE COORDINATED WITH CITY INSPECTOR AND DEVELOPER'S REPRESENTATIVE PRIOR TO EACH PHASE OF CONSTRUCTION. SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USE TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY SHALL BE REMOVED IMMEDIATELY. WHEN NECESSARY, WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN,

DITCH OR WATERCOURSE THROUGH USE OF INLET PROTECTION (E.G. SAND BAGS OR OTHER APPROVED METHODS). THE MATERIAL FOR CONSTRUCTION OF THE PAD SHALL BE 2" TO 3" COARSE AGGREGATE. THE THICKNESS OF THE PAD SHALL NOT BE LESS THAN 8". THE WIDTH OF THE PAD SHALL NOT BE LESS THAN THE FULL WIDTH OF ALL POINTS OF INGRESS OR EGRESS (12' MIN). THE LENGTH OF THE PAD SHALL BE AS REQUIRED, BUT NOT LESS THAN 60'.

3 STABILIZED CONSTRUCTION ENTRANCE
NOT TO SCALE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-121607 INC: 1
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 7/26/2024

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BERKELEY
2600 Tenth Street, Suite 700
Berkeley, CA 94710-2697
510-450-1999 P

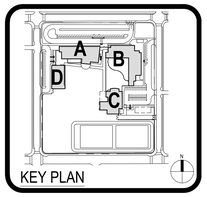
SHAMROCK HILLS TK-8 SCHOOL INCREMENT 1

DUBLIN, CA

DSA APPL NO. ##-####### DSA FILE NO. ##-##

CLIENT LOGO

DUBLIN UNIFIED School District



CONSULTANT LOGO

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DISCIPLINE

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CIVIL
STATE OF CALIFORNIA

07/12/2024

CLIENT
DUBLIN UNIFIED SCHOOL DISTRICT

DATE	PROJECT NUMBER
07/01/2024	230466

DRAWING HISTORY

No.	Description	Date

PROJECT STATUS

EROSION & SEDIMENT CONTROL PLAN

C8.0i1

FILE PATH:

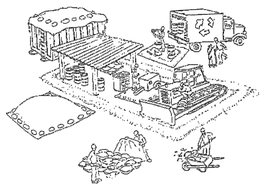
CHECKED BY:

DRAWN BY:

PLOT STAMP:

1/2

Clean Bay Blue Print



Make sure your crews and subs do the job right!

Runoff from streets and other paved areas is a major source of pollution and damage to creeks and the San Francisco Bay. Construction activities can directly affect the health of creeks and the Bay unless contractors and crews plan ahead to keep dirt, debris, and other construction waste away from storm drains and local creeks. Following these guidelines and the project specifications will ensure your compliance with City of Dublin requirements.

Materials storage & spill cleanup

Non-hazardous materials management

- Sand, dirt, and similar materials must be stored at least 10 feet (3 meters) from catch basins. All construction material must be covered with a tarp and contained with a perimeter control during wet weather or when rain is forecasted or when not actively being used within 14 days.
- Use (but don't overuse) reclaimed water for dust control as needed.
- Sweep or vacuum streets and other paved areas daily. Do not wash down streets or work areas with water!
- Recycle all asphalt, concrete, and aggregate base material from demolition activities. Comply with City of Dublin Ordinances for recycling construction materials, wood, gyp board, pipe, etc.
- Check dumpsters regularly for leaks and to make sure they are not overfilled. Repair or replace leaking dumpsters promptly.
- Cover all dumpsters with a tarp at the end of every work day or during wet weather.

Hazardous materials management

- Label all hazardous materials and hazardous wastes (such as pesticides, paints, thinners, solvents, fuel, oil, and antifreeze) in accordance with city, county, state, and federal regulations.
- Store hazardous materials and wastes in water tight containers, store in appropriate secondary containment, and cover them at the end of every work day or during wet weather or when rain is forecasted.
- Follow manufacturer's application instructions for hazardous materials and be careful not to use more than necessary. Do not apply chemicals outdoors when rain is forecasted within 24 hours.
- Be sure to arrange for appropriate disposal of all hazardous wastes.

Spill prevention and control

- Keep a stockpile of spill cleanup materials (rags, absorbents, etc.) available at the construction site at all times.
- When spills or leaks occur, contain them immediately and be particularly careful to prevent leaks and spills from reaching the gutter, street, or storm drain. Never wash spilled material into a gutter, street, storm drain, or creek!
- Dispose of all containment and cleanup materials properly.
- Report any hazardous materials spills immediately! Dial 911

Construction Entrances and Perimeter

- Establish and maintain effective perimeter controls and stabilize all construction entrances and exits to sufficiently control erosion and sediment discharges from site and tracking off site.
- Sweep or vacuum any street tracking immediately and secure sediment source to prevent further tracking.

Vehicle and equipment maintenance & cleaning

- Inspect vehicles and equipment for leaks frequently. Use drip pans to catch leaks until repairs are made; repair leaks promptly.
- Fuel and maintain vehicles on site only in a bermed area or over a drip pan that is big enough to prevent runoff.
- If you must clean vehicles or equipment on site, clean with water only in a bermed area that will not allow rinse water to run into gutters, streets, storm drains, or creeks.
- Do not clean vehicles or equipment on-site using soaps, solvents, degreasers, steam cleaning equipment, etc.

Earthwork & contaminated soils

- Keep excavated soil on the site where it will not collect in the street.
- Transfer to dump trucks should take place on the site, not in the street.
- Use fiber rolls, silt fences, or other control measures to minimize the flow of silt off the site.

- Earth moving activities are only allowed during dry weather by permit and as approved by the City of Dublin inspector in the Field.
- Mature vegetation is the best form of erosion control. Minimize disturbance to existing vegetation whenever possible.
- If you disturb a slope during construction, prevent erosion by securing the soil with erosion control fabric, or seed with fast-growing grasses as soon as possible. Place fiber rolls down-slope until soil is secure.
- If you suspect contamination (from site history, discoloration, odor, texture, abandoned underground tanks or pipes, or buried debris), call the Engineer for help in determining what should be done, and manage disposal of entaminated soil according to their instructions.

Dewatering operations

- Effectively manage all run-on, all runoff within the site, and all runoff that discharges from the site. Run-on from off site shall be directed away from all disturbed areas or shall collectively be in compliance.
- Reuse water for dust control, irrigation, or another on-site purpose to the greatest extent possible.

- Be sure to notify and obtain approval from the Engineer before discharging water to a street, gutter, or storm drain. Filtration or diversion through a basin, tank, or sediment trap may be required.
- In areas of known contamination, testing is required prior to reuse or discharge of groundwater. Consult with the Engineer to determine what testing is required and how to interpret results. Contaminated groundwater must be treated or hauled off-site for proper disposal.

Saw cutting

- Always completely cover and barricade storm drain inlets when saw cutting. Use plastic sheeting (Visqueen) to keep slurry out of the storm drain system.
- Shovel, absorb, or vacuum saw-cut slurry and pick up all waste as soon as you are finished in one location or at the end of each work day (whichever is sooner!).
- If saw cut slurry enters a catch basin, clean it up immediately.

Paving/asphalt work

- Always cover storm drain inlets and manholes when paving or applying seal coat, tack coat, slurry seal, or fog seal.
- Protect gutters, ditches, and drainage courses with sand/gravel bags, or earthen berms.
- Do not sweep or wash down excess sand from sand sealing into gutters, storm drains, or creeks. Collect sand and return it to the stockpile, or dispose of it as trash.
- Do not use water to wash down fresh asphalt concrete pavement.

Concrete, grout, and mortar storage & waste disposal

- Store concrete, grout, and mortar under cover, on pallets, and away from drainage areas. These materials must never reach a storm drain.
- Wash out concrete equipment/trucks off-site or into contained washout areas that will not allow discharge of wash water onto the underlying soil or onto the surrounding areas.

- Collect the wash water from washing exposed aggregate concrete and remove it for appropriate disposal off site.

Painting

- Never rinse paint brushes or materials in a gutter or street!
- Paint out excess water-based paint before rinsing brushes, rollers, or containers in a sink.
- Paint out excess oil-based paint before cleaning brushes in thinner.
- Filter paint thinners and solvents for reuse whenever possible. Dispose of oil-based paint sludge and unusable thinner as hazardous waste.

Landscape Materials

- Contain, cover, and store on pallets all stockpiled landscape materials (mulch, compost, fertilizers, etc.) during wet weather or when rain is forecasted or when not actively being used within 14 days.
- Discontinue the application of any erodible landscape material within 2 days of forecasted rain and during wet weather.

Storm drain polluters may be liable for fines of $10,000 or more per day!

For references and more detailed information:
www.cleanwaterprogram.org
www.cabmphandbooks.com

FOR REDUCED ENGLISH PLANS
ORIGINAL SCALE IS IN INCHES
0 1 2 3

REVISIONS

NO.	DESCRIPTION	BY	DATE	APPVD
1				
2				
3				
4				
5				

APPROVED

DATE (ADV DATE)

CITY OF DUBLIN

CLEAN BAY BLUE PRINT

WORK ORDER NO.

SPECIFICATION NO.

SHEET NO.

FILE NO.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-121607 INC: 1
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 7/26/2024

PBK

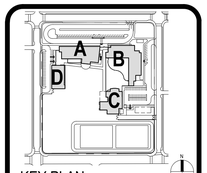
ARCHITECT PBK, Inc.
PBK.com
BERKELEY
2600 Tenth Street, Suite 700
Berkeley, CA 94710-2697
510-450-1999 P

SHAMROCK HILLS TK-8 SCHOOL INCREMENT 1

DUBLIN, CA

DSA APPL NO. ##-####### DSA FILE NO. ##-##

CLIENT LOGO
DUBLIN UNIFIED School District



CONSULTANT LOGO
BKF
1646 N. CALIFORNIA BLVD
SUITE 400
WALNUT CREEK, CA 94596
(925) 940-2200
www.bkf.com

DISCIPLINE
REGISTERED PROFESSIONAL ENGINEER
ERIC S. SWANSON
No. ~~C60707~~
CIVIL
STATE OF CALIFORNIA
07/12/2024

CLIENT
DUBLIN UNIFIED SCHOOL DISTRICT

DATE	PROJECT NUMBER
07/01/2024	230466

DRAWING HISTORY

No.	Description	Date

PROJECT STATUS

EROSION & SEDIMENT CONTROL PLAN

C8.1i1

FOR BLUEBEAM LABELING/OCR:

FILE PATH: C:\Users\william\Desktop\Pollution Prevention-City of X 02-16-12.dwg 3-18-16 02:08:28 PM william

CHECKED BY:

DRAWN BY:

PLOT STAMP:

1/2