



4095 EVOLUTION, TEMECULA, CALIFORNIA 92592-3760
Phone: 951.266.0110 Fax: 951.266.6079 Email: stk@stkrinc.com

CONSULTANT:



1861 W. Redlands Blvd, Bldg 7B
Redlands, Ca. 92373
P: (909) 890-1255
F: (909) 890-0995

PROJECT ADMINISTERED BY:
SAN BERNARDINO COUNTY
PROJECT & FACILITIES
MANAGEMENT DEPARTMENT

385 N. ARROWHEAD AVE.
SAN BERNARDINO, CA 92415

PROJECT NAME:
SAN BERNARDINO
COUNTY FIRE
DEPARTMENT:
FIRE STATION 227

PROJECT # 10.10.1202
CIP #22-105
APN: 0154-281-01

180 W. 38TH STREET
SAN BERNARDINO,
CA 92405

ISSUE INFORMATION:	
DATE:	INFORMATION:
03-14-25	Plan Check (A)
05-13-25	Plan Check (A)
06-20-25	Plan Check (A)

SHEET INFORMATION:
STK PROJECT NO.: 374-193-24
SCALE: AS NOTED
DATE: DECEMBER 2024
PLOT DATE:
DRAWING NAME:



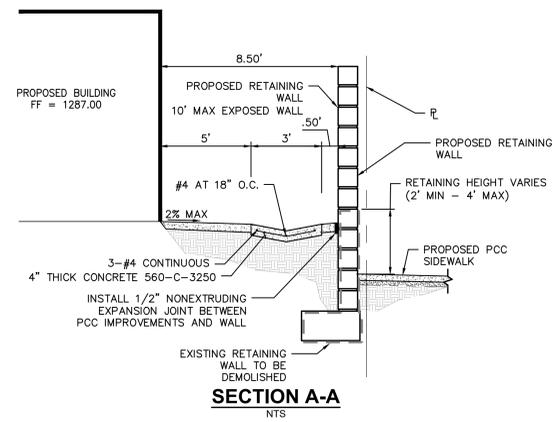
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DETAILS SHEET

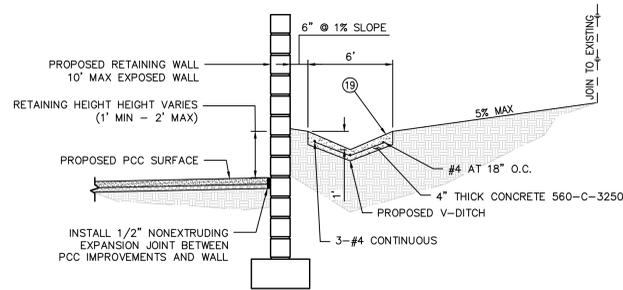
SHEET NO.:

C-2

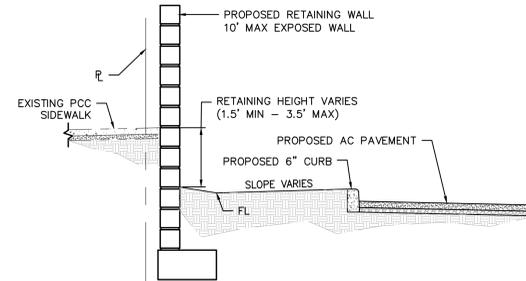
SHT 2 OF 6



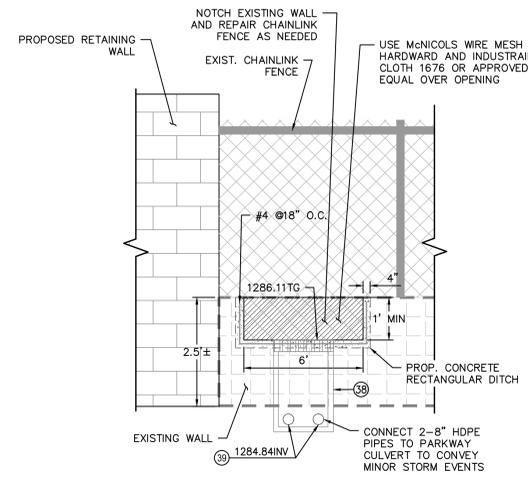
SECTION A-A
NTS



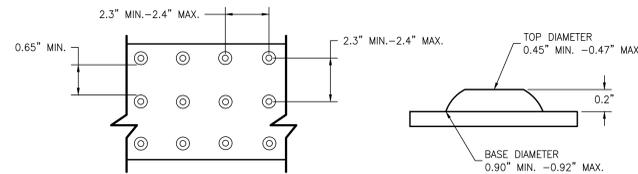
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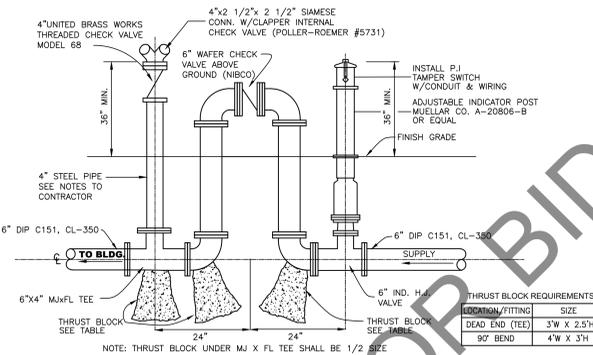
SECTION C-C
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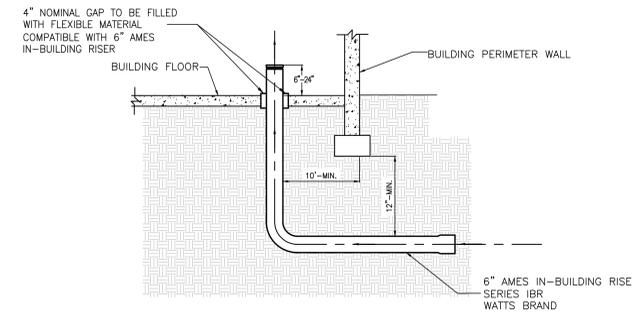
NOTCH EXISTING WALL DETAIL
NTS



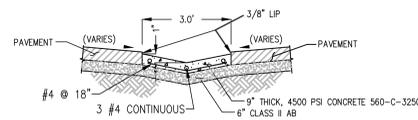
DETECTABLE WARNING PER C.B.C. FIGURE 11B-705
DETECTABLE WARNING DETAIL
NTS



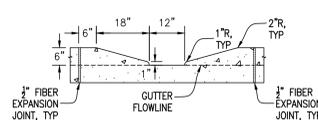
POST INDICATOR FIRE DEPARTMENT
CONNECTION
NTS



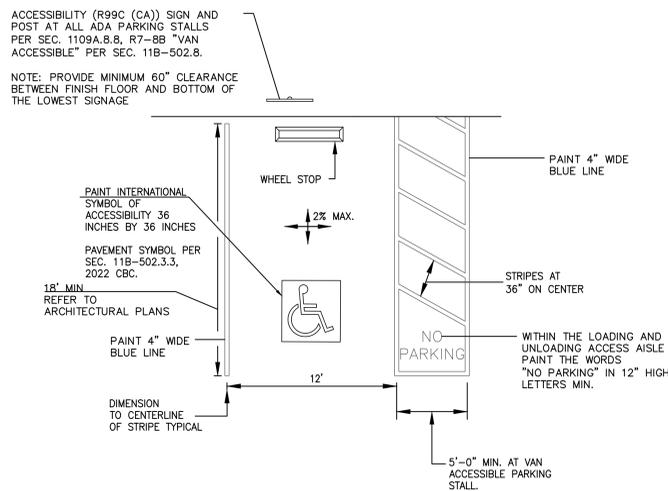
IN-BUILDING RISER DETAIL
NTS



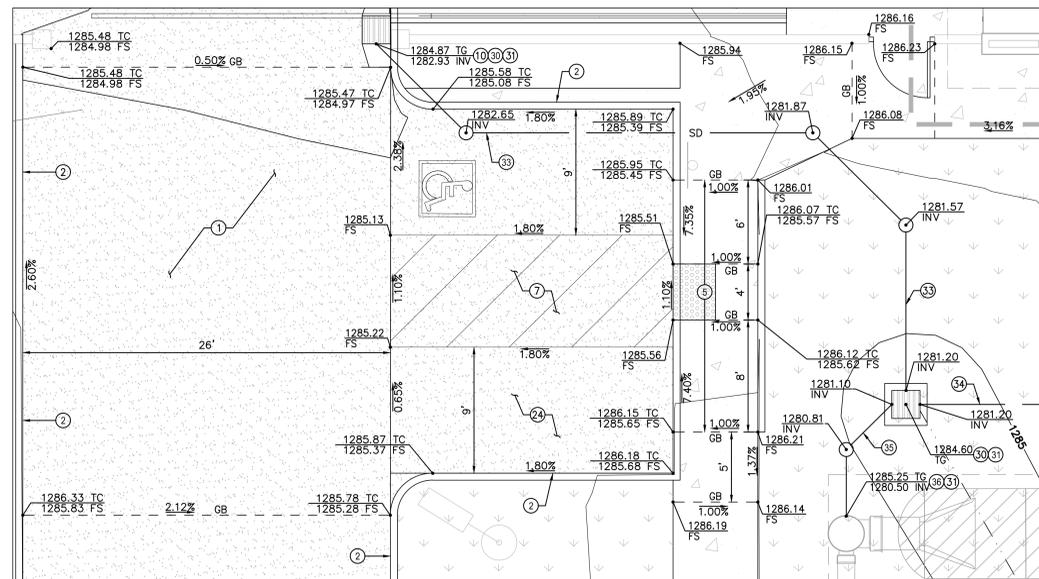
3' RIBBON GUTTER
NTS



6\"/>



PER CBC 2022, CHAPTER 11B-502.3.3 AND SPPWC STD. 180-0
ADA PARKING STALL DETAIL
NTS



ENLARGED DETAIL "A"
SCALE: 1"=5'

CONSTRUCTION NOTES

- CONSTRUCT 9" PCC WITH REBAR OVER 6" OF CLASS II AGGREGATE BASE MATERIAL.
- CONSTRUCT 6" PCC CURB PER PER CITY OF SAN BERNARDINO STD. DWG. 200
- CONSTRUCT CURB RAMP CASE B, TYPE 1 PER SPPWC STD. 111-5
- CONSTRUCT HANDICAP STALL PER DETAIL ON SHEET C-2
- CONSTRUCT MODIFIED PER PLAN LOCAL DEPRESSION TYPE F PER SPPWC STD. DWG. 313-4
- CONSTRUCT CONCRETE V-DITCH PER SECTION B-B ON SHEET C-2
- CONSTRUCT 5" PCC OVER 4" CLASS II AGGREGATE BASE

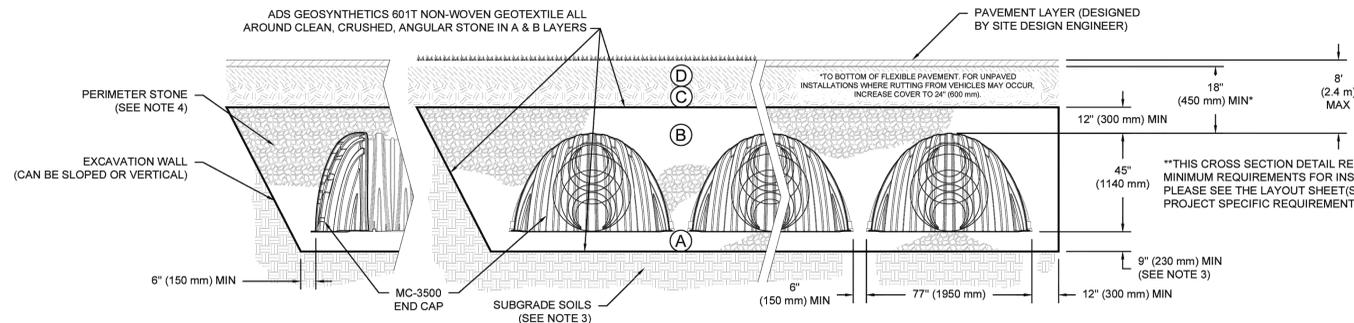
STORM DRAIN NOTES

- INSTALL 24"x24" JENSEN PRECAST DROP INLET BASIN MODEL 2424 WITH GRATE, OR APPROVED EQUAL
- INSTALL ADS FLEXSTORM PURE INLET FILTER PER DETAIL ON SHEET C-3, OR APPROVED EQUAL
- INSTALL 12" HDPE PIPE OR APPROVED EQUAL
- INSTALL 15" HDPE PIPE OR APPROVED EQUAL
- INSTALL 18" HDPE PIPE OR APPROVED EQUAL
- INSTALL 30" DIAMETER NYLOPLAST INLINE DRAIN BASIN
- INSTALL 12"x12" JENSEN PRECAST DROP INLET BASIN MODEL 1212 WITH GRATE, OR APPROVED EQUAL
- INSTALL 36"x36" JENSEN PRECAST DROP INLET BASIN MODEL 3636 WITH GRATE, OR APPROVED EQUAL
- INSTALL 8" HDPE PIPE OR APPROVED EQUAL

ACCEPTABLE FILL MATERIALS: STORMTECH MC-3500 CHAMBER SYSTEMS

MATERIAL LOCATION	DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
D FINAL FILL: FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER	ANY SOIL/ROCK MATERIALS, NATIVE SOILS, OR PER ENGINEER'S PLANS. CHECK PLANS FOR PAVEMENT SUBGRADE REQUIREMENTS.	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
C INITIAL FILL: FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE ('B' LAYER) TO 24" (600 mm) ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER.	GRANULAR WELL-GRADED SOIL/AGGREGATE MIXTURES, <35% FINES OR PROCESSED AGGREGATE. MOST PAVEMENT SUBBASE MATERIALS CAN BE USED IN LIEU OF THIS LAYER.	AASHTO M145 ¹ A-1, A-2.4, A-3 OR AASHTO M43 ¹ 3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	BEGIN COMPACTIONS AFTER 24" (600 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 12" (300 mm) MAX LIFTS TO A MIN. 95% PROCTOR DENSITY FOR WELL GRADED MATERIAL AND 95% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS.
B EMBEDMENT STONE: FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE ('A' LAYER) TO THE 'C' LAYER ABOVE.	CLEAN, CRUSHED, ANGULAR STONE OR RECYCLED CONCRETE ²	AASHTO M43 ¹ 3, 357, 4, 467, 5, 56, 57	NO COMPACTION REQUIRED.
A FOUNDATION STONE: FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	CLEAN, CRUSHED, ANGULAR STONE OR RECYCLED CONCRETE ²	AASHTO M43 ¹ 3, 357, 4, 467, 5, 56, 57	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE. ^{2,3}

PLEASE NOTE:
 1. THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE".
 2. STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 9" (230 mm) (MAX) LIFTS USING TWO FULL COVERAGES WITH A VIBRATORY COMPACTOR.
 3. WHERE INFILTRATION SURFACES MAY BE COMPROMISED BY COMPACTION, FOR STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY RAKING OR DRAGGING WITHOUT COMPACTION EQUIPMENT. FOR SPECIAL LOAD DESIGNS, CONTACT STORMTECH FOR COMPACTION REQUIREMENTS.
 4. ONCE LAYER 'C' IS PLACED, ANY SOIL/MATERIAL CAN BE PLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBBASE SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.
 5. WHERE RECYCLED CONCRETE AGGREGATE IS USED IN LAYERS 'A' OR 'B' THE MATERIAL SHOULD ALSO MEET THE ACCEPTABILITY CRITERIA OUTLINED IN TECHNICAL NOTE 6.20 'RECYCLED CONCRETE STRUCTURAL BACKFILL'.

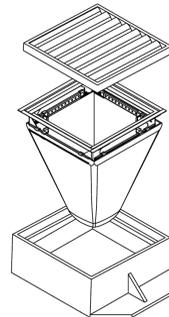
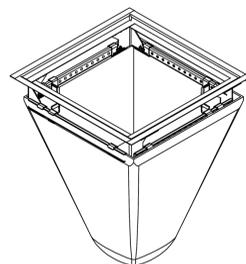


NOTES:

- CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS" CHAMBER CLASSIFICATION 45x76 DESIGNATION SS.
- MC-3500 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
- THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS. REFERENCE STORMTECH DESIGN MANUAL FOR BEARING CAPACITY GUIDANCE.
- PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
- REQUIREMENTS FOR HANDLING AND INSTALLATION:
 - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
 - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 3".
 - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, a) THE ARCH STIFFNESS CONSTANT SHALL BE GREATER THAN OR EQUAL TO 450 LBS/FT²%. THE ASC IS DEFINED IN SECTION 6.2.8 OF ASTM F2418. AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.

UNDERGROUND INFILTRATION CHAMBER SYSTEM

SEE WOMP FOR FURTHER DETAILS
NTS



SQUARE/RECTANGULAR INLET FILTER		
Clear Opening Size	Style P/N	Minimum Bypass Flow Rate (CFS)
Small: Up to 64" Perimeter	62SHD	2.4
Medium: 65" - 96" Perimeter	62MHD	3.5
Large: 97" - 120" Perimeter	62LHD	5.0
Extra-Large: 121" or Greater Perimeter	62XLHD	7.2

- NOTES:
- ALL FRAMING IS CONSTRUCTED OF 304 STAINLESS STEEL.
 - TOTAL BYPASS CAPACITY WILL VARY WITH EACH SIZE DRAINAGE STRUCTURE. ADS DESIGN FRAMING BYPASS TO MEET OR EXCEED THE DESIGN FLOW OF THE PARTICULAR DRAINAGE STRUCTURE.
 - ALL FILTERS MEET ASTM D8057 SPECIFICATIONS.

ADS FLEXSTORM PURE INLET DETAIL FOR PRECAST CATCH BASIN

NTS

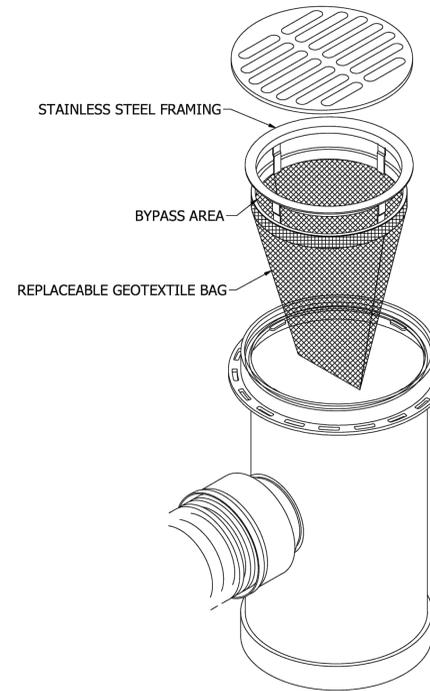
SAN BERNARDINO COUNTY
FIRE DEPARTMENT - FIRE STATION 227
SAN BERNARDINO, CA, USA
DATE: 04/25/2025
DRAWN: CM
CHECKED: XXX
PROJECT #: SA67402
DRAWING: 227

StormTech Chamber System
1-800-821-6710 | WWW.STORMTECH.COM

4640 TRUENMAN BLVD
HILLIARD, OH 43026
1-800-733-7473

THIS DRAWING HAS BEEN PREPARED BASED ON INFORMATION PROVIDED TO ASSISTOR (TEST UNDER THE DIRECTION OF THE PROJECT ENGINEER OF RECORD) (TEST OR OTHER PROJECT REPRESENTATIVE). THE DRAWING IS NOT INTENDED FOR USE IN BIDDING OR CONSTRUCTION UNLESS SPECIFICALLY NOTED OTHERWISE. THE USER SHALL BE RESPONSIBLE FOR VERIFYING THAT THE PRODUCTS IDENTIFIED AND ALL ASSOCIATED DETAILS MEET ALL APPLICABLE LOCAL, STATE, AND FEDERAL REQUIREMENTS.

SHEET 3 OF #

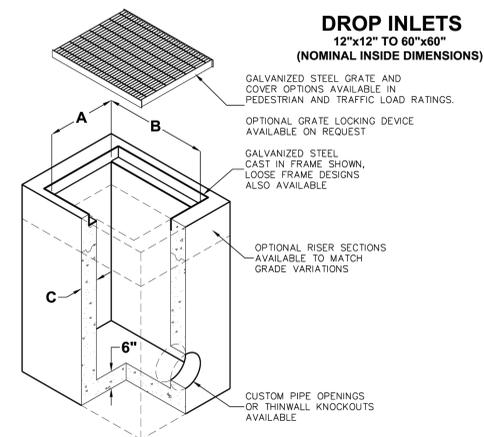


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- ALL FILTERS MEET ASTM D8057 SPECIFICATIONS.

ADS FLEXSTORM PURE INLET DETAIL FOR NYLOPLAST INLET

NTS



MODEL	A	B	C	WEIGHT CALC - LBS.
1212	12	12	4	208 (BASE) + 266 VF
1616	16	16	5	408 (BASE) + 480 VF
1818	18	18	5	602 (BASE) + 604 VF
2424	24	24	6	675 (BASE) + 750 VF
2436	24	36	6	900 (BASE) + 900 VF
2448	24	48	6	1500 (BASE) + 1050 VF
3030	30	30	6	920 (BASE) + 900 VF
3636	36	36	6	1200 (BASE) + 1050 VF
3648	36	48	6	1500 (BASE) + 1200 VF
4848	48	48	6	1875 (BASE) + 1350 VF
6060	60	60	6	2700 (BASE) + 1650 VF

FOR COMPLETE DESIGN AND PRODUCT INFORMATION CONTACT JENSEN PRECAST.

Jensen Precast reserves the right to make changes to product design and/or dimensions without notice. Please contact Jensen Precast whenever necessary for confirmation or advice on product design.



12/29/2016
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4095 EVJOUR, TEMECULA, CALIFORNIA 92593-3760
Phone: 951.296.9110 Fax: 951.296.6079 Email: sk@stk.com

CONSULTANT:



Engineering Resources of Southern California

1861 W. Redlands Blvd, Bldg 7B
Redlands, Ca, 92373
P: (909) 890-1255
F: (909) 890-0995

PROJECT ADMINISTERED BY:
SAN BERNARDINO COUNTY
PROJECT & FACILITIES
MANAGEMENT DEPARTMENT

385 N. ARROWHEAD AVE.
SAN BERNARDINO, CA 92415

PROJECT NAME:
SAN BERNARDINO
COUNTY FIRE
DEPARTMENT:
FIRE STATION 227

PROJECT # 10.10.1202

CIP #22-105

APN: 0154-281-01

180 W. 38TH STREET
SAN BERNARDINO,
CA 92405

ISSUE INFORMATION:

DATE:	INFORMATION:
03-14-25	Plan Check (A)
05-13-25	Plan Check (A)
06-20-25	Plan Check (A)

SHEET INFORMATION:

STK PROJECT NO.: 374-193-24
SCALE: AS NOTED
DATE: DECEMBER 2024
PLOT DATE:
DRAWING NAME:

SEAL:



SHEET TITLE:

DETAILS SHEET

SHEET NO.:

C-3

SHT 3 OF 6



4005 EVANS, TEMECULA, CALIFORNIA 92590-3700
Phone: 951.296.9110 Fax: 951.296.6079 Email: stk@stk.com

CONSULTANT:



1861 W. Redlands Blvd, Bldg 7B
Redlands, Ca. 92373
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F: (909) 890-0995

PROJECT ADMINISTERED BY:
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385 N. ARROWHEAD AVE.
SAN BERNARDINO, CA 92415

PROJECT NAME:
SAN BERNARDINO
COUNTY FIRE
DEPARTMENT:
FIRE STATION 227

PROJECT # 10.10.1202
CIP #22-105
APN: 0154-281-01

180 W. 38TH STREET
SAN BERNARDINO,
CA 92405

ISSUE INFORMATION:	
DATE:	INFORMATION:
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STK PROJECT NO.:	374-193-24
SCALE:	AS NOTED
DATE:	DECEMBER 2024
PLOT DATE:	
DRAWING NAME:	



SHEET TITLE:

GRADING PLAN

SHEET NO.:

C-4

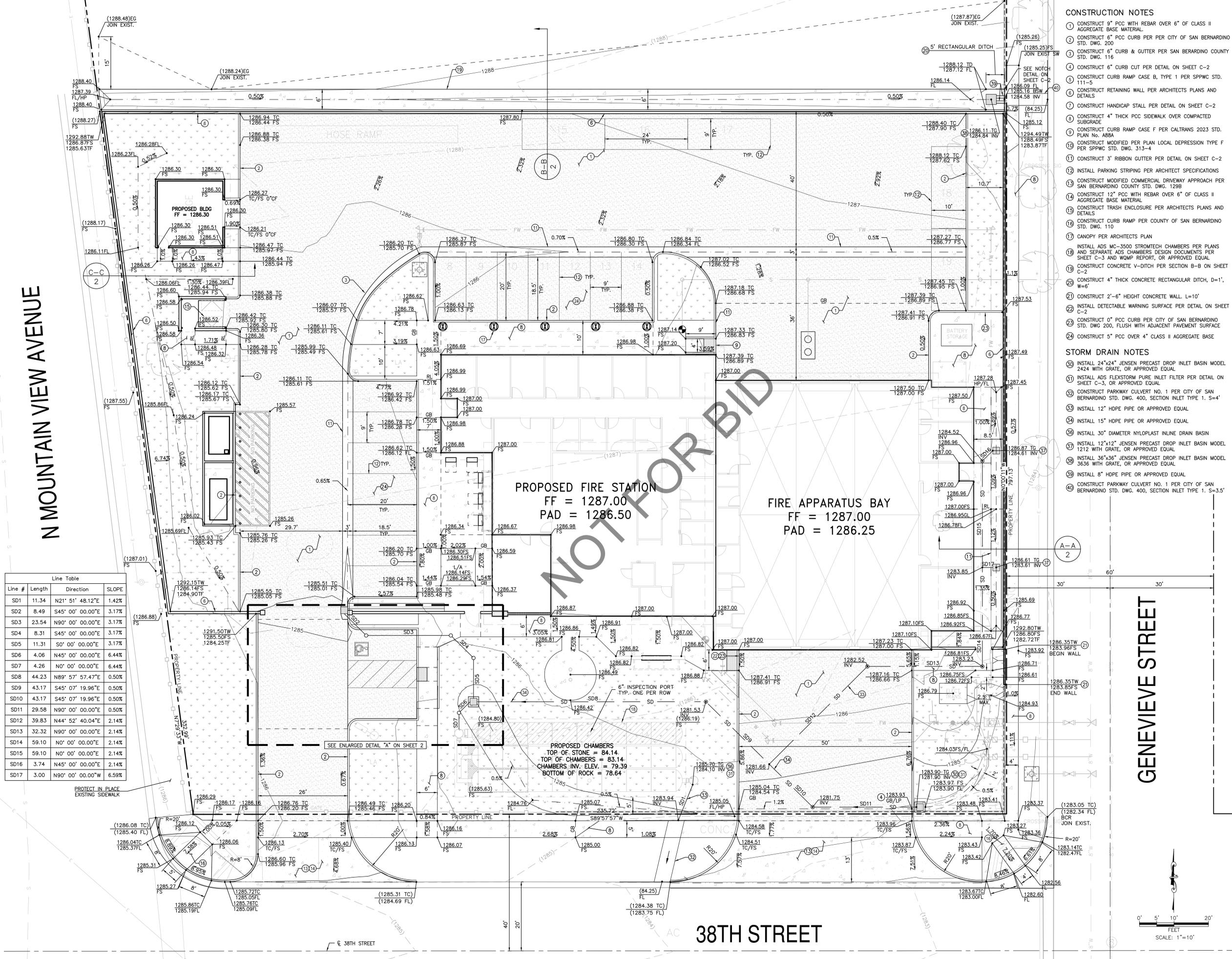
SHT 4 OF 6

CONSTRUCTION NOTES

- CONSTRUCT 9" PCC WITH REBAR OVER 6" OF CLASS II AGGREGATE BASE MATERIAL.
- CONSTRUCT 6" PCC CURB PER PER CITY OF SAN BERNARDINO STD. DWG. 200
- CONSTRUCT 6" CURB & GUTTER PER SAN BERNARDINO COUNTY STD. DWG. 116
- CONSTRUCT 6" CURB CUT PER DETAIL ON SHEET C-2
- CONSTRUCT CURB RAMP CASE B, TYPE 1 PER SPPWC STD. 111-5
- CONSTRUCT RETAINING WALL PER ARCHITECTS PLANS AND DETAILS
- CONSTRUCT HANDICAP STALL PER DETAIL ON SHEET C-2
- CONSTRUCT 4" THICK PCC SIDEWALK OVER COMPACTED SUBGRADE
- CONSTRUCT CURB RAMP CASE F PER CALTRANS 2023 STD. PLAN No. AB8A
- CONSTRUCT MODIFIED PER PLAN LOCAL DEPRESSION TYPE F PER SPPWC STD. DWG. 313-4
- CONSTRUCT 3" RIBBON GUTTER PER DETAIL ON SHEET C-2
- INSTALL PARKING STRIPING PER ARCHITECT SPECIFICATIONS
- CONSTRUCT MODIFIED COMMERCIAL DRIVEWAY APPROACH PER SAN BERNARDINO COUNTY STD. DWG. 129B
- CONSTRUCT 12" PCC WITH REBAR OVER 6" OF CLASS II AGGREGATE BASE MATERIAL
- CONSTRUCT TRASH ENCLOSURE PER ARCHITECTS PLANS AND DETAILS
- CONSTRUCT CURB RAMP PER COUNTY OF SAN BERNARDINO STD. DWG. 110
- CANOPY PER ARCHITECTS PLAN
- INSTALL ADS MC-3500 STROMTECH CHAMBERS PER PLANS AND SEPARATE ADS CHAMBERS DESIGN DOCUMENTS PER SHEET C-3 AND WQMP REPORT, OR APPROVED EQUAL
- CONSTRUCT CONCRETE V-DITCH PER SECTION B-B ON SHEET C-2
- CONSTRUCT 4" THICK CONCRETE RECTANGULAR DITCH, D=1', W=6"
- CONSTRUCT 2'-6" HEIGHT CONCRETE WALL, L=10'
- INSTALL DETECTABLE WARNING SURFACE PER DETAIL ON SHEET C-2
- CONSTRUCT 0" PCC CURB PER CITY OF SAN BERNARDINO STD. DWG 200, FLUSH WITH ADJACENT PAVEMENT SURFACE
- CONSTRUCT 5" PCC OVER 4" CLASS II AGGREGATE BASE

STORM DRAIN NOTES

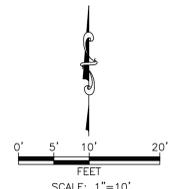
- INSTALL 24"x24" JENSEN PRECAST DROP INLET BASIN MODEL 2424 WITH GRATE, OR APPROVED EQUAL
- INSTALL ADS FLEXSTORM PURE INLET FILTER PER DETAIL ON SHEET C-3, OR APPROVED EQUAL
- CONSTRUCT PARKWAY CULVERT NO. 1 PER CITY OF SAN BERNARDINO STD. DWG. 400, SECTION INLET TYPE 1, S=4"
- INSTALL 12" HDPE PIPE OR APPROVED EQUAL
- INSTALL 15" HDPE PIPE OR APPROVED EQUAL
- INSTALL 30" DIAMETER NYLOPLAST INLINE DRAIN BASIN
- INSTALL 12"x12" JENSEN PRECAST DROP INLET BASIN MODEL 1212 WITH GRATE, OR APPROVED EQUAL
- INSTALL 36"x36" JENSEN PRECAST DROP INLET BASIN MODEL 3636 WITH GRATE, OR APPROVED EQUAL
- INSTALL 8" HDPE PIPE OR APPROVED EQUAL
- CONSTRUCT PARKWAY CULVERT NO. 1 PER CITY OF SAN BERNARDINO STD. DWG. 400, SECTION INLET TYPE 1, S=3.5"



Line #	Length	Direction	SLOPE
SD1	11.34	N21° 51' 48.12"E	1.42%
SD2	8.49	S45° 00' 00.00"E	3.17%
SD3	23.54	N90° 00' 00.00"E	3.17%
SD4	8.31	S45° 00' 00.00"E	3.17%
SD5	11.31	S0° 00' 00.00"E	3.17%
SD6	4.06	N45° 00' 00.00"E	6.44%
SD7	4.26	N0° 00' 00.00"E	6.44%
SD8	44.23	N89° 57' 57.47"E	0.50%
SD9	43.17	S45° 07' 19.96"E	0.50%
SD10	43.17	S45° 07' 19.96"E	0.50%
SD11	29.58	N90° 00' 00.00"E	0.50%
SD12	39.83	N44° 52' 40.04"E	2.14%
SD13	32.32	N90° 00' 00.00"E	2.14%
SD14	59.10	N0° 00' 00.00"E	2.14%
SD15	59.10	N0° 00' 00.00"E	2.14%
SD16	3.74	N45° 00' 00.00"E	2.14%
SD17	3.00	N90° 00' 00.00"W	6.59%

GENEVIEVE STREET

38TH STREET



FIRE WATER LINE DATA			DOMESTIC WATER LINE DATA			SEWER LINE DATA		
LINE #	LENGTH	DIRECTION	LINE #	LENGTH	DIRECTION	LINE #	LENGTH	DIRECTION
F1	2.08	N89° 53' 06.07"E	D1	62.34	N89° 52' 40.04"E	S1	37.64	N89° 59' 48.93"E
F2	11.45	N0° 00' 01.79"E	D2	26.16	S45° 07' 19.96"E	S2	49.92	N89° 59' 48.93"E
F3	4.08	N90° 00' 00.00"E	D3	10.95	S0° 02' 11.13"E	S3	17.45	N0° 00' 11.07"W
F4	132.70	N0° 00' 00.00"E				S4	36.47	N89° 59' 48.93"E
F5	165.60	N90° 00' 00.00"E				S5	14.55	N0° 00' 00.00"E
F6	10.30	N0° 00' 00.00"E						
F7	12.54	N89° 54' 05.02"E						
F8	45.54	N89° 51' 55.25"E						
F9	22.01	S45° 07' 19.96"E						
F10	8.87	S0° 02' 11.13"E						

NOTE TO CONTRACTOR:

- CONTACT SBMWD DISTRIBUTION SECTION AT (909) 453-6121 OR (909) 384-5095 TO SCHEDULE OFF-SITE WATER SERVICE INSTALLATION AND COORDINATION WITH ON-SITE WATER UTILITIES.
- CONTACT SBMWD ENGINEERING SECTION WITH 48-HOUR NOTIFICATION PRIOR INSTALLATION OF THE PROPOSED NEW SEWER LATERAL FOR INSPECTION AT (909) 453-6175.

UTILITY NOTES

WATER CONSTRUCTION NOTES:

- INSTALL 2-INCH WATER SERVICE CONNECTION AND METER PER SBMWD STD. DWG. NO. W1.8
- INSTALL 1-INCH WATER IRRIGATION SERVICE CONNECTION AND METER PER SBMWD STD. DWG. NO. W1.11
- INSTALL 2-INCH BACKFLOW PREVENTER PER SBMWD STD. DWG. NO. W4.1
- INSTALL 1-INCH BACKFLOW PREVENTER PER SBMWD STD. DWG. NO. W4.1
- INSTALL 2-INCH WATER SERVICE TYPE L HARD COPPER TUBING OR APPROVED EQUAL
- INSTALL 1-INCH WATER SERVICE TYPE K SOFT COPPER TUBING OR APPROVED EQUAL
- INSTALL 2-INCH 45° ELBOW
- INSTALL 2-INCH PVC, SCH 40 OR APPROVED EQUAL

SEWER CONSTRUCTION NOTES:

- INSTALL 6-INCH PVC SDR 35 SEWER LATERAL PER SBMWD STD. DWG. NO. S.305
- INSTALL 6-INCH SEWER SADDLE PER SBMWD STD. DWG. NO. S.307
- INSTALL 6-INCH CLEAN OUT PER SBMWD STD. DWG. NO. S.310
- INSTALL GREASE INTERCEPTOR PER PLUMBING PLANS

FIRE PROTECTION CONSTRUCTION NOTES:

- INSTALL 8-INCH FIRE DOUBLE DETECTOR CHECK PER SBMWD STD. DWG. NO. W4.3
- INSTALL POST INDICATOR AND FIRE DEPARTMENT CONNECTION VALVE PER DETAIL ON SHEET C-2
- INSTALL 8-INCH PVC C900 OR APPROVED EQUAL
- INSTALL 6-INCH PVC C900 OR APPROVED EQUAL
- INSTALL 6-INCH DIA. FIRE HYDRANT PER SBMWD STD. DWG. NO. W2.2
- INSTALL 6-INCH 45° ELBOW
- INSTALL 8-INCH 90° ELBOW
- INSTALL 8X8-INCH TEE
- INSTALL 8X8" REDUCER WITH RESTRAINED JOINTS
- CONNECT FIRE LINE PER DETAIL ON SHEET C-2
- INSTALL 8-INCH TAPPING SLEEVE PER SBMWD STD. DWG. NO. W3.5
- CONSTRUCT 3'X3' CONCRETE PAD PER SBMWD STD. DWG. NO. W2.2
- INSTALL 6-INCH CLASS 350 DUCTILE IRON PIPE RESTRAINED WITH MEGALUG OR APPROVED EQUAL
- INSTALL 8-INCH CLASS 350 DUCTILE IRON PIPE RESTRAINED OR APPROVED EQUAL
- INSTALL 6-INCH TAPPING SLEEVE PER SBMWD STD. DWG. NO. W3.5

LEGEND

- TAPPING SLEEVE
- DOUBLE CHECK DETECTOR ASSEMBLY
- POST INDICATOR VALVE
- GATE VALVE
- FIRE HYDRANT
- BACKFLOW PREVENTER
- PROPOSED FIRELINE
- POINT OF CONNECTION
- CLEAN OUT
- F.D.C.
- WATER METER
- BLUE RETRO-REFLECTIVE THRUST BLOCK
- PROPOSED WATERLINE
- PROPOSED STORM DRAIN

- STA. 10+66.71
CONNECT TO 8" WATER
- STA. 10+61.71
CONNECT TO 8" WATER
- STA. 10+56.71
CONNECT TO 8" WATER
- STA. 10+51.71
CONNECT TO 8" WATER



4205 EVOR, TEMECULA, CALIFORNIA 92590-3760
Phone: 951.296.8110 Fax: 951.296.8079 Email: stk@stkrinc.com

CONSULTANT:



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F: (909) 890-0995

PROJECT ADMINISTERED BY:
SAN BERNARDINO COUNTY
PROJECT & FACILITIES
MANAGEMENT DEPARTMENT

385 N. ARROWHEAD AVE.
SAN BERNARDINO, CA 92415

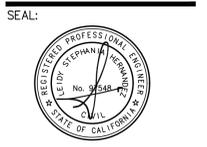
PROJECT NAME:
SAN BERNARDINO
COUNTY FIRE
DEPARTMENT:
FIRE STATION 227

PROJECT # 10.10.1202
CIP #22-105
APN: 0154-281-01

180 W. 38TH STREET
SAN BERNARDINO,
CA 92405

ISSUE INFORMATION:	
DATE:	INFORMATION:
03-14-25	Plan Check
05-13-25	Plan Check
06-20-25	Plan Check

SHEET INFORMATION:
STK PROJECT NO.: 374-193-24
SCALE: AS NOTED
DATE: DECEMBER 2024
PLOT DATE:
DRAWING NAME:



SHEET TITLE:

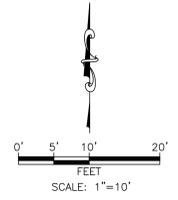
**ON-SITE
UTILITIES**

SHEET NO.:

C-5

SHT 5 OF 6

- NOTES:**
- TRENCH DETAIL PER SBMWD STD. DWG. NO. W5.1 AND W5.1A
 - ALL THRUST BLOCKS AND RESTRAINED JOINTS PER SBMWD STD. DWG. NO. W6.4 AND W6.4A
 - INSTALL THRUST BLOCKS AT ALL ANGLE POINTS, TEES, END OF LINES, AND FIRE HYDRANTS



NOT FOR BID

PROPOSED FIRE STATION
FF = 1287.00
PAD = 1286.50

FIRE APPARATUS BAY
FF = 1287.00
PAD = 1286.25

38TH STREET

N MOUNTAIN VIEW AVENUE

GENEVIEVE STREET

HOSE RAMP

STORAGE

BATTERY STORAGE

NO PARKING

CHAINLINK FENCE GATE

CONC.

EX 8" STEEL WATER

CL 38TH ST

EROSION CONTROL CONSTRUCTION NOTES

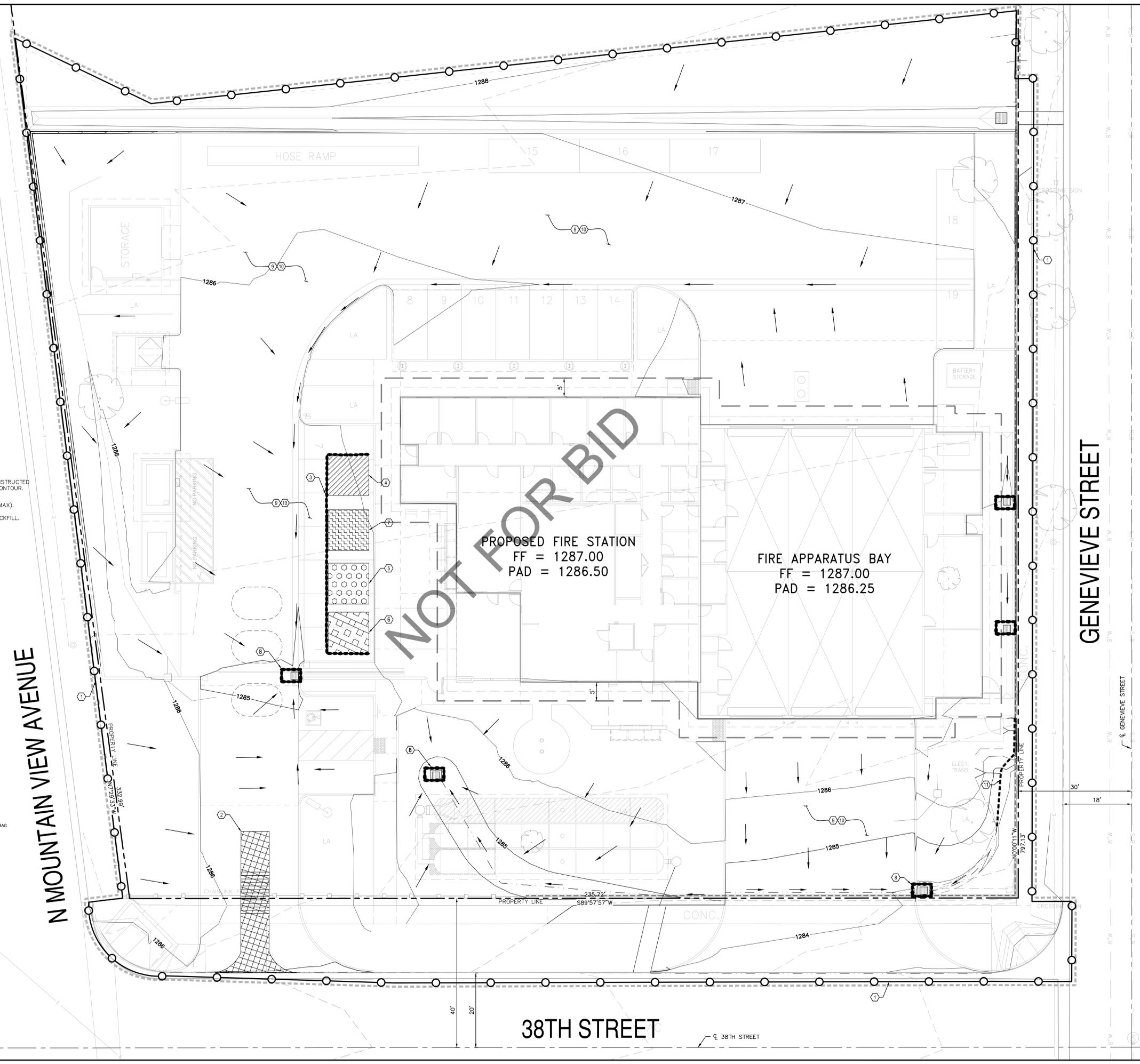
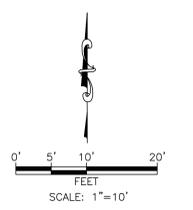
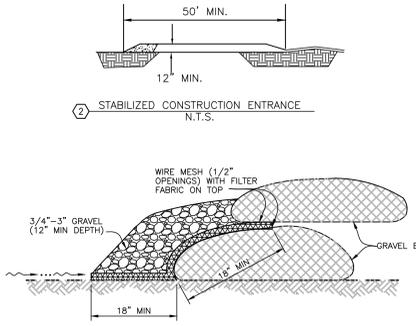
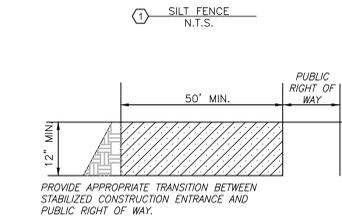
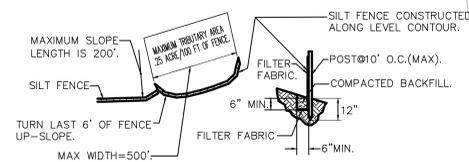
- ① SILT FENCE (SE-1).
- ② STABILIZED CONSTRUCTION ENTRANCE/EXIT (TC-1) WITH RUMBLE RACKS (10'x24" MIN.).
- ③ GRAVEL BAG BARRIER (SE-6).
- ④ MATERIAL DELIVERY AND STORAGE (WM-01).
- ⑤ VEHICLE STORAGE.
- ⑥ WASTE STORAGE AREA.
- ⑦ VEHICLE WASHING AND MAINTENANCE AREA.
- ⑧ STORM DRAIN INLET PROTECTION (SE-10).
- ⑨ WIND EROSION CONTROLS PER CASQA NS-3.
- ⑩ STREET SWEEPING (SE-7).
- ⑪ FIBER ROLLS (SE-5)

LEGEND

- SAND BAGS
- SILT FENCE
- FLOW PATH
- GRADING LIMITS
- FIBER ROLLS
- OVER-EXCAVATION LIMITS
- STABILIZED CONSTRUCTION ENTRANCE
- MATERIAL DELIVERY/STORAGE AREA
- VEHICLE STORAGE AND MAINTENANCE AREA
- VEHICLE WASHING AREA
- WASTE STORAGE AREA

NOTE TO CONTRACTOR

ALL OFF-SITE VEGETATION IS TO BE PROTECTED IN PLACE



NOT FOR BID

N MOUNTAIN VIEW AVENUE

GENEVIEVE STREET

38TH STREET



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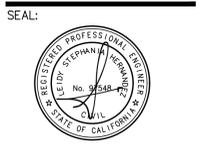
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180 W. 38TH STREET
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SHEET INFORMATION:
 STK PROJECT NO.: 374-193-24
 SCALE: AS NOTED
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 PLOT DATE:
 DRAWING NAME:



SHEET TITLE:
EROSION CONTROL

SHEET NO.:
C-6
 SHT 6 OF 6