American River Flood Control District Central Valley Flood Protection Board Permit Application Mission Trunk Line Improvements, Sacramento Area Sewer District

Staff Report

Discussion:

The Sacramento Area Sewer District (SASD) seeks to obtain an encroachment permit to perform repairs and improvements on their trunk line within the American River Floodway adjacent to the American River North Levee at River Walk Way.

The application includes work to repair the concrete pipe junctions on their trunk line near Sheriff's Training Facility. The work is to be done on existing facilities and no new above ground structures will be constructed. A temporary service line will be installed at the waterside toe of the levee and will be positioned above ground. The proposed work will not impact the integrity of the levee nor impact operations and maintenance activities of the District. The proposed work will not affect the flow capacity of the American River Floodway nor will it raise the flood water surface elevation.

Recommendation:

The General Manager recommends that the Board of Trustees endorse the permit application from SASD.

California Natural Resources Agency

APPLICATION FOR A CENTRAL VALLEY FLOOD PROTECTION BOARD ENCROACHMENT PERMIT

				Application No	
				(For Office	Use Only)
1. Description	n of proposed work being spe	cific to include	all items that will be cove	ered under the issued permit.	
the rehabilitat	udes removal of existing sew tion of another sewer structur s and no excavation is propos	e all within the	floodway. All work will be		
2. Project Location:	Mission Trunk at 1000 Riv	ver Walk Way	_ County, in Sectio	n Sacramento	
Township	o:	(N) (S), Range:		(E) (W), M. D. B. & M.	
Latitude:		Longitude:			
Stream:	American River	, Levee :	American Riv Unit 10	Designated Floodway:	
APN:	289-0340-028-0000				
3. Sacramer	nto Area Sewer District		of 10060 Goethe	·	
	Name of Applicant / Land Or	wner		Address	
Sacramento	CA		95827	(916) 875-66	
Cit	ty	State	Zip Code	•	e Number
				clarkr@sacsewer.com	:
				E-ma	IL
4. Agustin Lo	pez		of Sacramento Area	a Sewer District	
T	Name of Applicant's Represer	ntative	01	Company	
Sacramento	CA		95827	(916) 875-6595	
Cit		State	Zip Code	Telephone Nu	mber
				lopeza@sacsewer.com	
				E-mail	
5. Endorseme	ent of the proposed project fro	om the Local M	aintaining Agency (LMA)):	
We, the Trust	tees ofName	of LMA	approve this p	lan, subject to the following c	onditions:
☐ Condi	tions listed on back of this for	m 🗌 Co	onditions Attached	☐ No Conditions	
Trustee	,	Date	Trustee		Date
Trustee		Date	Trustee		Date

APPLICATION FOR A CENTRAL VALLEY FLOOD PROTECTION BOARD ENCROACHMENT PERMIT

6. Names and addresses of adjacent property owners sharing a common boundary with the land upon which the

contents of this application apply. If additional space is required, list names and addresses on back of the application form or an attached sheet. See attached list Name **Address** Zip Code 7. Has an environmental determination been made of the proposed work under the California Environmental Quality Act of 1970? √ Yes ΠNo Pending If yes or pending, give the name and address of the lead agency and State Clearinghouse Number: County of Sacramento Office of Planning and Environmental Review, 827 Seventh Street, Room 225 Sacramento, CA 95814 SCH No. PLER2019-00094 8. When is the project scheduled for construction? March 23, 2020 to January 11, 2021 9. Please check exhibits accompanying this application. A. Regional and vicinity maps showing the location of the proposed work. B. Drawings showing plan view(s) of the proposed work to include map scale. C. Drawings showing the cross section dimensions and elevations (vertical datum?) of levees, berms, stream banks, flood plain, D. Drawings showing the profile elevations (vertical datum?) of levees, berms, flood plain, low flow, etc. E. A minimum of four photographs depicting the project site.

Include any additional information:

The project is needed to rehabilitate sewer structures that are severely deteriorated. Two structural failures have occurred in the last 4 years on this trunk. The trunk conveys 20+ million gallons per day. Two sewer structures at the old treatment plant are also severely deteriorated, are in need of rehabilitation/replacement, and cannot wait another construction season. The project has begun but work at this location is anticipated to begin mid to late May.

ENVIRONMENTAL ASSESSMENT QUESTIONNAIRE FOR APPLICATIONS FOR CENTRAL VALLEY FLOOD PROTECTION BOARD ENCROACHMENT PERMITS

This environmental assessment questionnaire must be completed for all Central Valley Flood Protection Board applications. Please provide an explanation where requested. Incomplete answers may result in delays in processing permit applications. Failure to complete the questionnaire may result in rejection of the application.

1.	Has an environmental assessment or initial study been made or is one being made by a local or State permitting agency in accordance with the California Environmental Quality Act?		
	If yes, identify the Lead Agency, type of document prepared or which will be prepared, and the State Clearinghouse Number:		
	County of Sacramento, Notice of Exemption, Control Number PLER2019-00094 See attached document.		
2.	Will the project require certification, authorization or issuance of a permit by any local, State or federal environmental control agency? ☐ Yes ☑ No		
	List all other governmental permits or approvals necessary for this project or use, including U.S. Army Corps of Engineer' 404and Section 10 permits, State Water Quality Certification, Department of Fish and Game 1600 agreement, etc. Attach copies of all applicable permits.		
3.	Give the name and address of the owner of the property on which the project or use is located. Please submit a copy of your current Title Report (Grant Deed), if your proposed project includes a private residence.		
	SACRAMENTO REGIONAL COUNTY SANITATION DISTRICT 10060 GOETHE RD SACRAMENTO, CA 95827		
4.	Will the project or use require issuance of a variance or conditional use permit by a city or county? Yes No Explain:		
5.	Is the project or use currently operating under an existing use permit issued by a local agency? Yes (No) Explain:		

ENVIRONMENTAL ASSESSMENT QUESTIONNAIRE FOR APPLICATIONS | Item 3 | FOR CENTRAL VALLEY FLOOD PROTECTION BOARD ENCROACHMENT PERMITS

6.	Describe all types of vegetation growing on the project site, including trees, brush, grass, etc.			
	Minor vegetation			
7.	Describe what type of wildlife or fish may use the project site or adjoining areas for habitat, food source, nesting sites, source of water, etc.			
	NA			
8.	Has the Department of Fish and Game, U.S. Fish and Wildlife Service, or National Marine Fisheries Service been consulted relative to the existence of, or impacts to, threatened or endangered species on or near the project site? Yes No Explain: The work under the project does not encroach on the American River.			
9.	Will the project or use significantly change present uses of the project area? ☐ Yes ☐ No Explain: Replacing sewer structures in kind.			
10.	Will the project result in changes to scenic views or existing recreational opportunities? ☐ Yes ☐ No Explain:			
11.	Will the project result in the discharge of silt or other materials into a body of water? ☐ Yes ☑ No Explain:			

ENVIRONMENTAL ASSESSMENT QUESTIONNAIRE FOR APPLICATIONS | Item 3 FOR CENTRAL VALLEY FLOOD PROTECTION BOARD ENCROACHMENT PERMITS

12.	Will the project involve the application, use, or disposal of hazardous materials? Yes No
	If yes, list the types of materials, proposed use, and disposal plan. Provide copies of all applicable hazardous material handling plans.
13.	Will construction activities or the completed project generate significant amounts of noise? ☑ Yes ☐ No Explain: SASD and its contractors will limit construction noise, dust, odor, and other possible impacts.
14.	Will construction activities or the completed project generate significant amounts of dust, ash, smoke, fumes, or odors? ☑ Yes ☐ No Explain: SASD and its contractors will limit construction noise, dust, odor, and other possible impacts.
15.	Will the project activities or uses involve the burning of brush, trees, or construction materials, etc? ☐ Yes ☐ No Explain, and identify safety and air pollution control measures:
16.	Will the project affect existing agricultural uses or result in the loss of existing agricultural lands? ☐ Yes ☑ No Explain:

ENVIRONMENTAL ASSESSMENT QUESTIONNAIRE FOR APPLICATIONS | Item 3 FOR CENTRAL VALLEY FLOOD PROTECTION BOARD ENCROACHMENT PERMITS

17	. Have any other projects similar to the proposed project been planned or completed in the same general area as the proposed project?
	☐ Yes ☐ No
	Explain and identify any other similar projects:
18.	. Will the project have the potential to encourage, facilitate, or allow additional or new growth or development? ☐ Yes ☑ No Explain:
19.	Will materials be excavated from the floodplain? ☑ Yes ☐ No If yes, please answer the remaining questions.
	THE REMAINING QUESTIONS MUST ONLY BE ANSWERED IF THE ANSWER TO QUESTION NO. 19 WAS "YES". IF THE ANSWER TO QUESTION NO. 19 WAS "NO", YOU DO NOT NEED TO COMPLETE THE REMAINING QUESTIONS.
	A. What is the volume of material to be excavated? Annually NA Total Approx 300 cubic feet
	B. What types of materials will be excavated?
	Soil in order to remove and replace sewer pipes and structure.
	 C. Will the project site include processing and stockpiling of material on site? ✓ Yes □ No Explain:
	Contractor has come to agreement with the Sheriffs Academy for use of areas within the old treatment plant for storing construction materials and equipment for the duration of the project. The Sacramento Regional County Sanitation District owns the property but has leased it to the County Sheriffs for its training of candidates. Excavated material to be removed on site and reused as backfill.
	D. What method and equipment will be used to excavate material?
	Excavators, crane, dump truck, and loader.

ENVIRONMENTAL ASSESSMENT QUESTIONNAIRE FOR APPLICATIONS | tem 3 FOR CENTRAL VALLEY FLOOD PROTECTION BOARD ENCROACHMENT PERMITS

E. What is the water source for the project?
Local water agency.
F. How will waste materials wash water, debris, and sediment be disposed of?
A Sediment and Erosion Control plan has been submitted by contractor and reviewed and approved by the Sacramento County Construction Management and Inspection Division (CMID). The contractor will follow and CMID will enforce.
G. What is the proposed end land use for the project site?
Same as it is now, convey sewage flows from Sacramento's Northeast area. The sewage flows vary between 20 million gallons per day (MGD) during the dry season to 49 MGD during the rain season.
H. Has a reclamation plan been prepared for this site in accordance with the Surface Mining and Reclamation Act of 1975?
☐ Yes ☑ No If yes, please attach a copy.

Name	Address	Zip Code
	1104 SAND BAR CIR	
BRADFORD CHRISTOPHER C/STINE K	CARMICHAEL CA	95608
	1108 SAND BAR CIR	
LAUESEN WILLIAM JOSEPH/RACHEL LILLIAN-BERESS	CARMICHAEL CA	95608
	1110 CANEBREAK CT	
DREW JESSICA/KARL	CARMICHAEL CA	95608
	1114 CANEBREAK CT	
ERIC R SIMONSON/BARBARA E SCHNEIDER REV TRUST	CARMICHAEL CA	95608
	5320 JAMIEWOOD CT	
BREINKE DAVID/VALJEAN/VALJEAN/DAVID	CARMICHAEL CA	95608
	5319 JAMIEWOOD CT	
STENGER FAMILY TRUST	CARMICHAEL CA	95608
	1116 MCCLAREN DR	
MPAX LIVING TRUST	CARMICHAEL CA	95608
	1120 MCCLAREN DR	
JUARROS LEON JR/CLARA DEON	CARMICHAEL CA	95608
	1126 MCCLAREN DR	
KRAFT FAMILY TRUST 2017	CARMICHAEL CA	95608
	1132 MCCLAREN DR	
NUNLEY TROY/SUSAN LAWRENCE	CARMICHAEL CA	95608
	1138 MCCLAREN DR	
RUB ARIK/ILANA DVORA	CARMICHAEL CA	95608
	1144 MCCLAREN DR	
PAUL P/MARIA A TALCOTT FAMILY TRUST	CARMICHAEL CA	95608
	1150 MCCLAREN DR	
MCKECHNIE JULIE B/DAN L	CARMICHAEL CA	95608



County of Sacramento
Office of Planning and Environmental Review
827 Seventh Street, Room 225
Sacramento, CA 95814

CONTACT PERSON: Tim Hawkins TELEPHONE: (916) 874-6141

SPACE ABOVE RESERVED FOR RECORDER'S USE

NOTICE OF EXEMPTION

Project Title:

Mission Trunk Rehabilitation Project

Control Number:

PLER2019-00094

Project Location:

Various locations throughout the Carmichael community of unincorporated Sacramento County

APN:

Various

Description of Project:

The project consists of rehabilitation of a Sacramento Area Sewer District (SASD) sewer trunk, abandonment and removal manholes from private yards, and the relocation of the manholes to nearby roadways. The project will utilize cured in place pipe to rehab deteriorating sewer pipes. Additionally, the project will also rehabilitate existing sewer facilities within Sacramento Regional County Sanitation District's plant immediately west of the William B. Pond Recreation Area in the American River Parkway.

Name of public agency approving project:

Sacramento County - ceqa@saccounty.net

Person or agency carrying out project:

Sacramento Area Sewer District Attn: Agustin Lopez 10060 Goethe Road Sacramento, CA 95827 lopeza@sacsewer.com

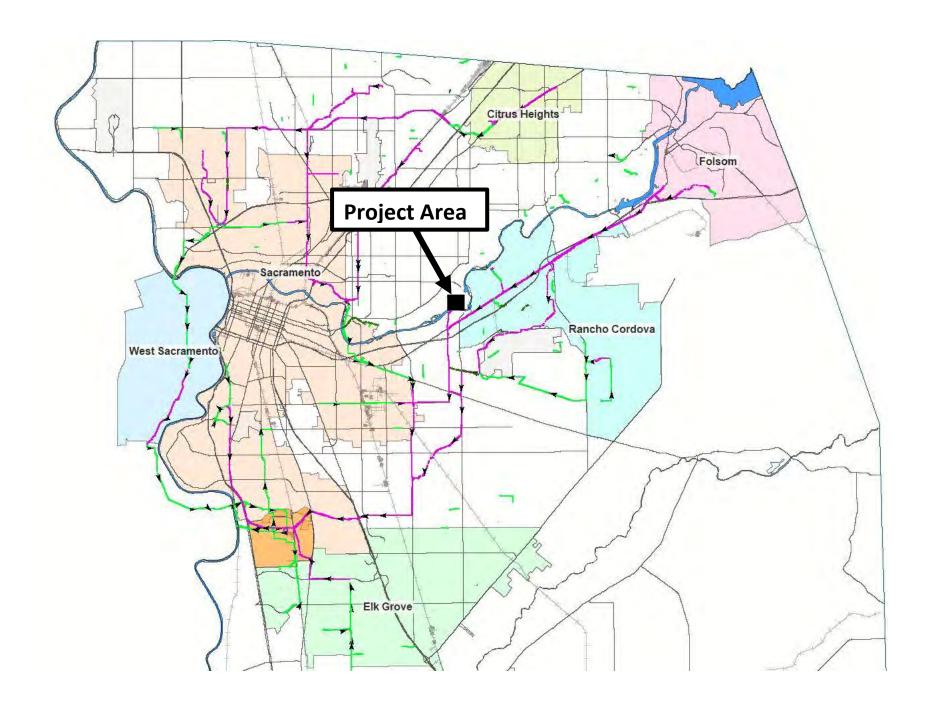
Exempt Status:

CATEGORICAL EXEMPTION - Section 15301(d), Class 1

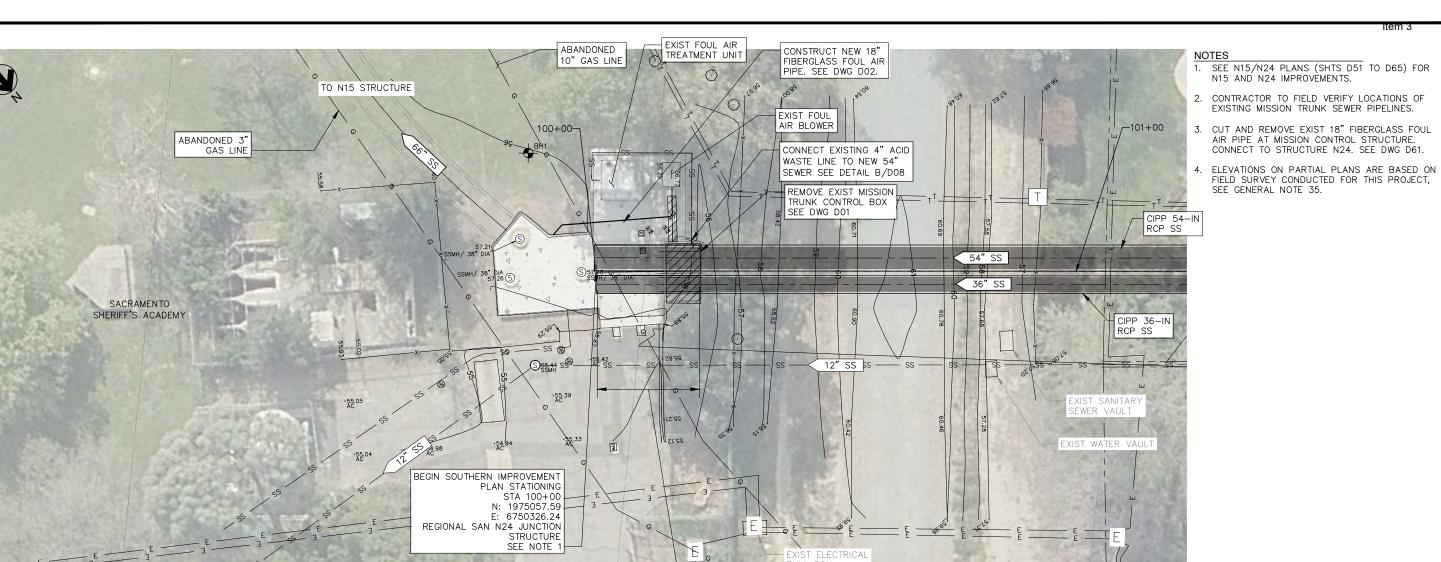
Reasons why project is exempt:

The project consists of the restoration and rehabilitation of deteriorated sewer facilities, resulting in the continued operation of an existing facility resulting in negligible or no expansion of use beyond that previously existing and is therefore exempt from the provisions of CEQA.

[Original Signature on File]
Tim Hawkins
ENVIRONMENTAL COORDINATOR OF
SACRAMENTO COUNTY, STATE OF CALIFORNIA







(IN FEET) 1 inch = 10 ft.

REVISIONS			
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SANITATION DISTRICTS AGENCY SASD ENGINEERING

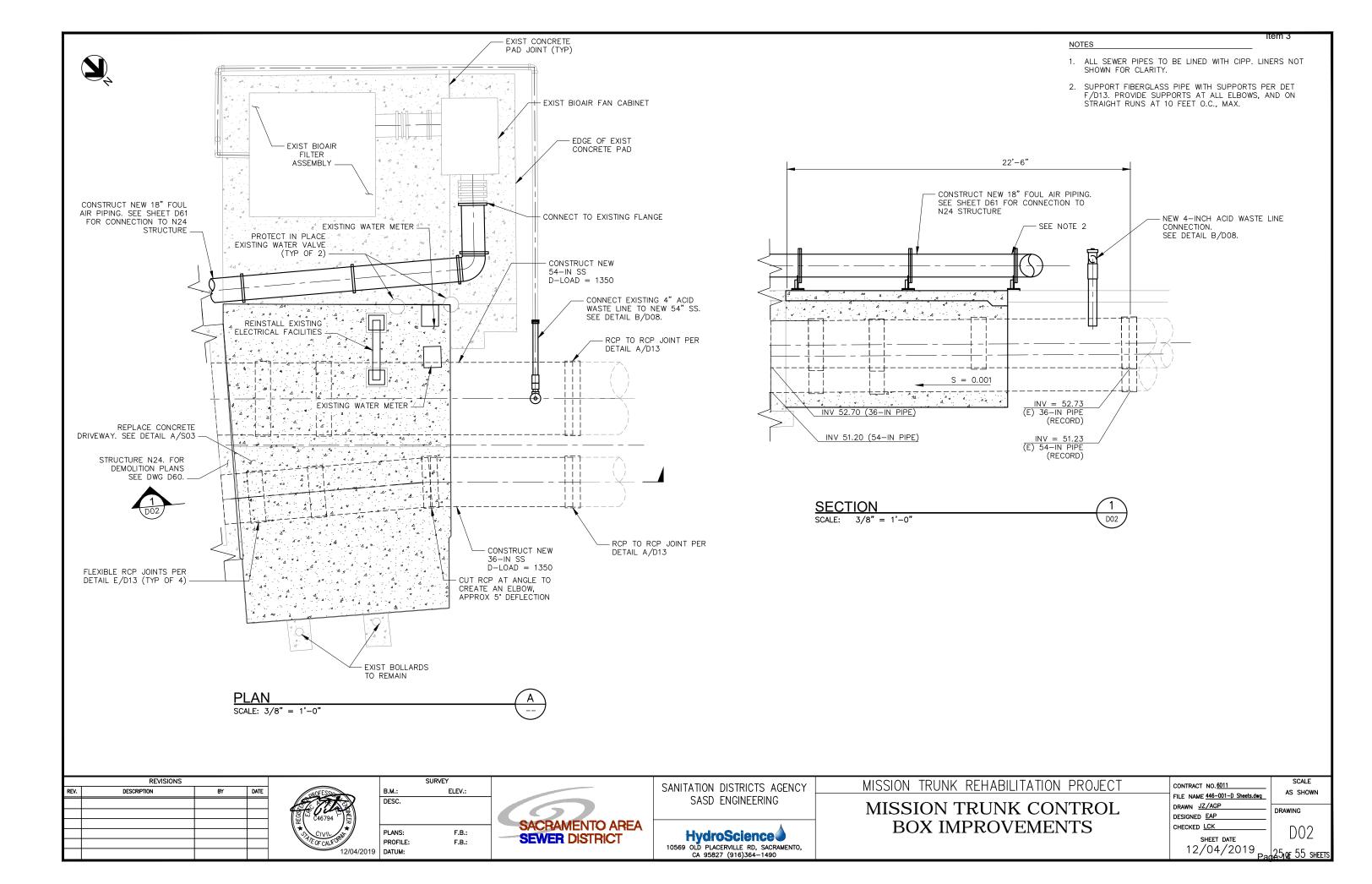
REMOVE EXIST DUAL 42-IN VCP SS AND

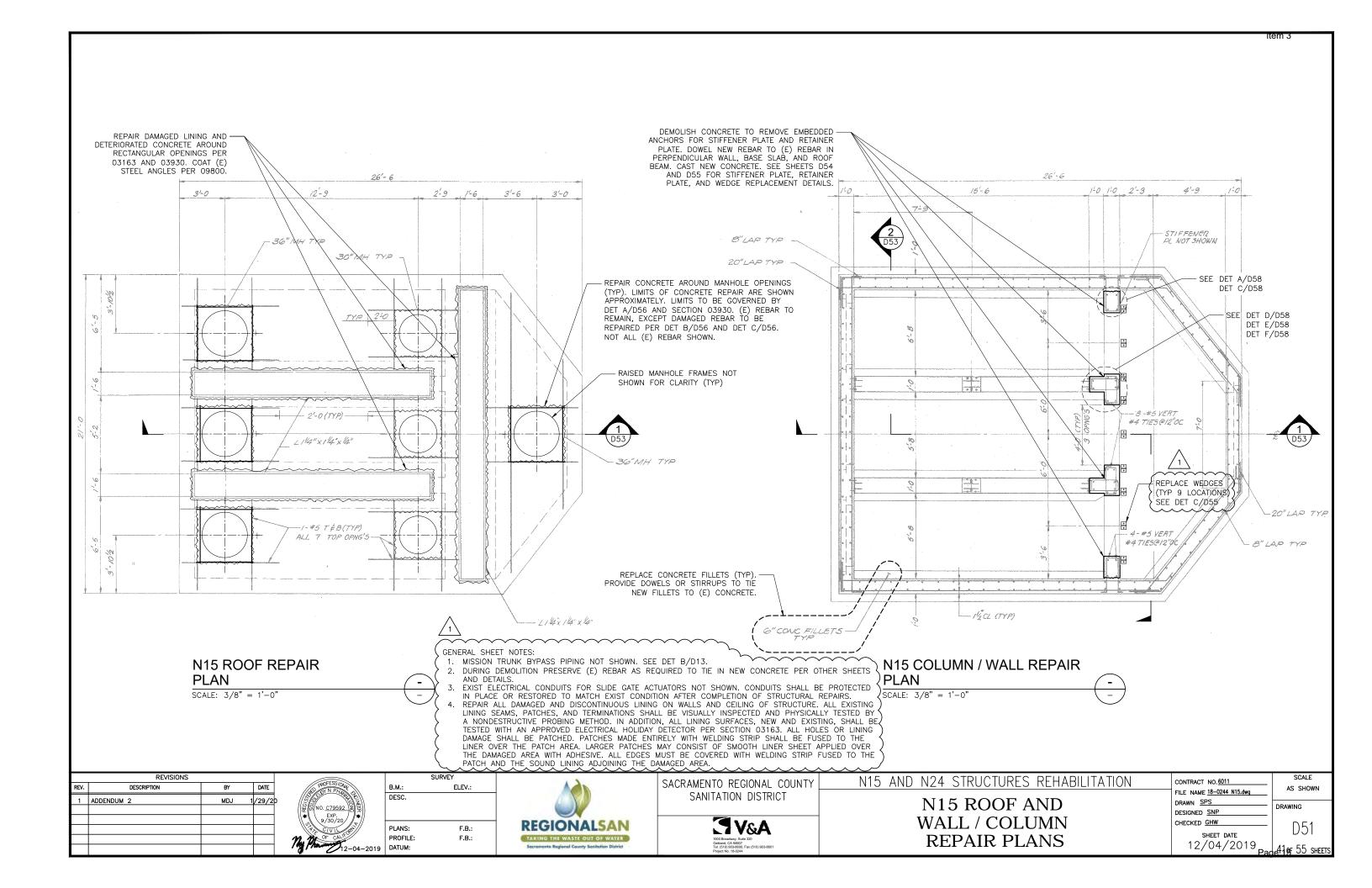
REPLACE WITH 54-IN AND 36-IN SS. MATCH CROWNS AT STA 100+21. NEW RCP SS TO MATCH EXISTING SLOPE. CIPP NEW 54-IN AND 36-IN SEWERS. SEE DWGS D01 AND D02

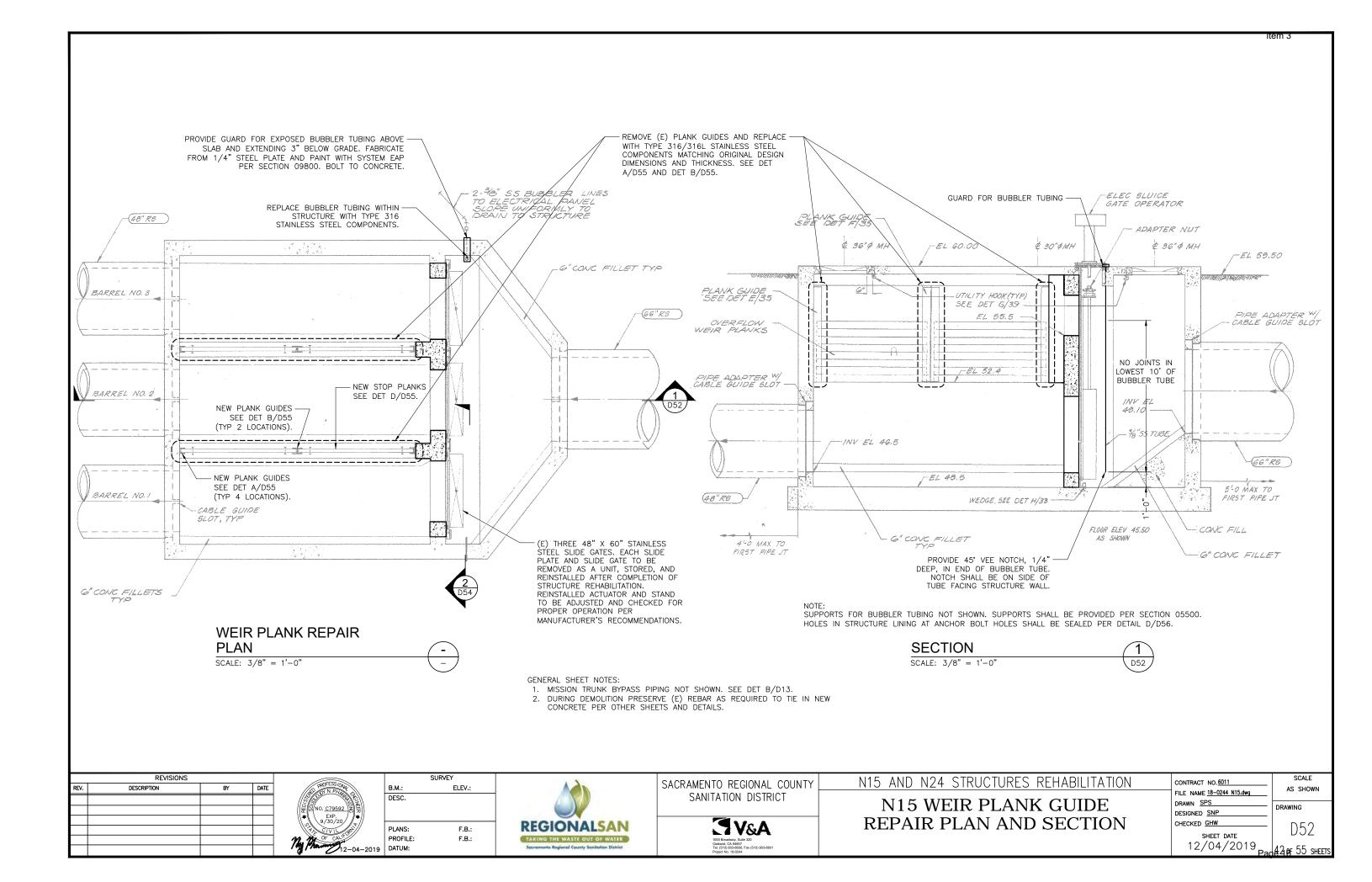
HydroScience
10569 OLD PLACERVILLE RD, SACRAMENTO, CA 95827 (916)364-1490

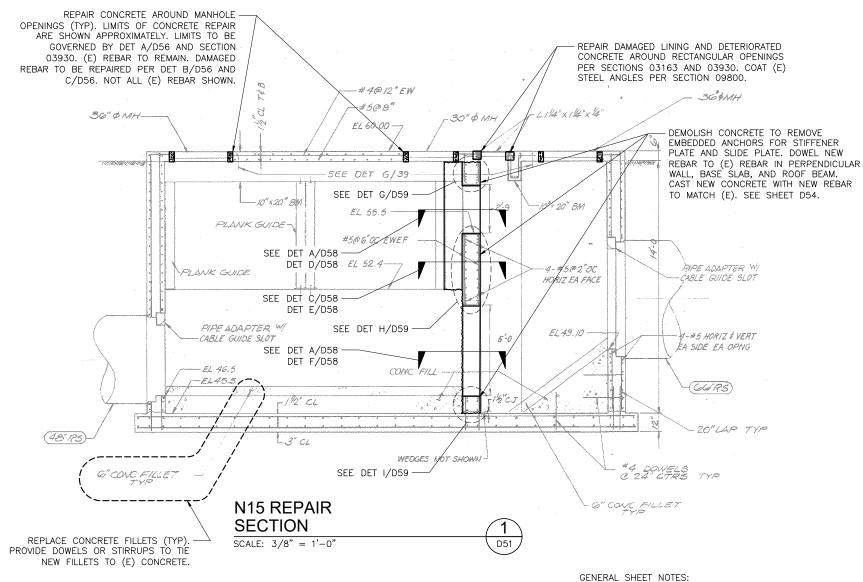
MISSION TRUNK REHABILITATION PROJECT					
CIVIL					
PARTIAL PLAN 1					
MISSION TRUNK CONTROL BOX					

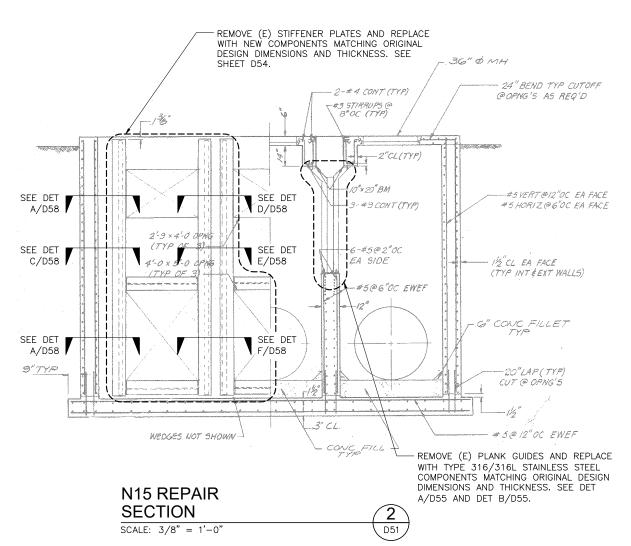
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12/04/2019 Page	1. 1.1610F 55 SHEET











- 1. MISSION TRUNK BYPASS PIPING NOT SHOWN. SEE DET B/D13.
- DURING DEMOLITION PRESERVE (E) REBAR AS REQUIRED TO TIE IN NEW CONCRETE PER OTHER SHEETS AND DETAILS.

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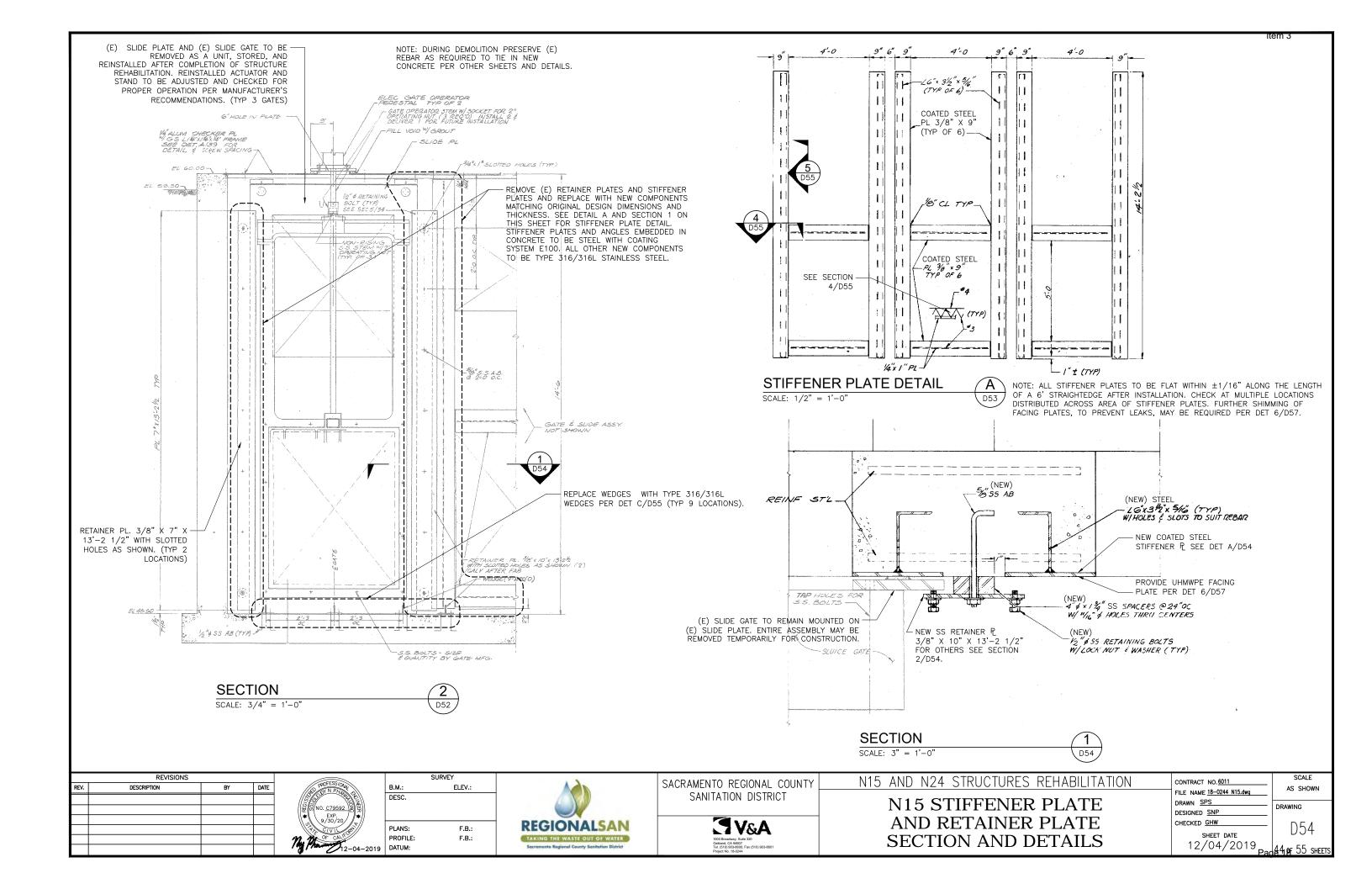
SACRAMENTO REGIONAL COUNTY SANITATION DISTRICT

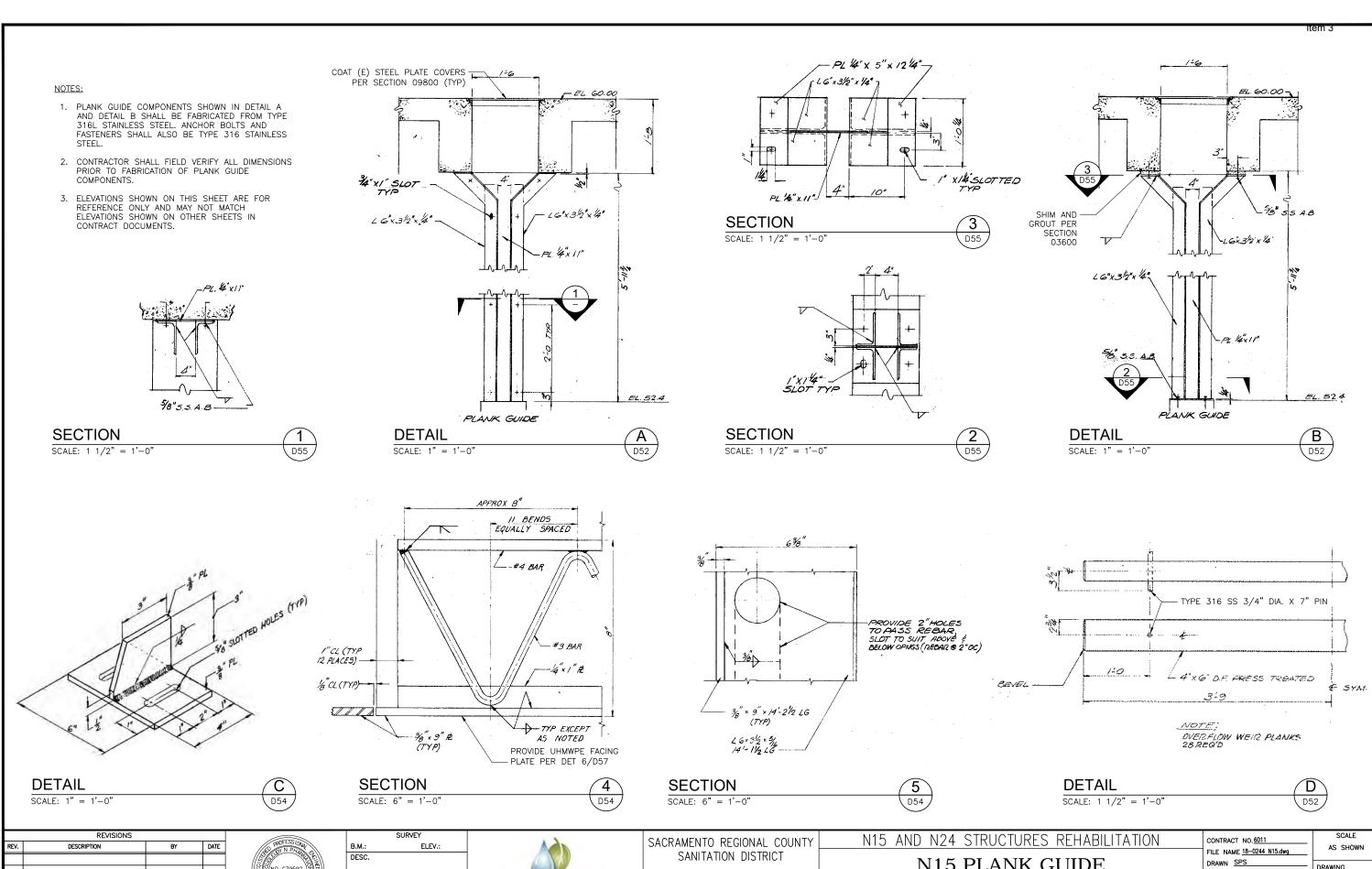


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N15 REPAIR SECTIONS	

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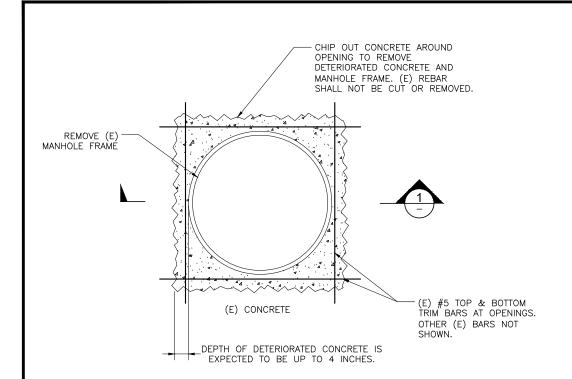
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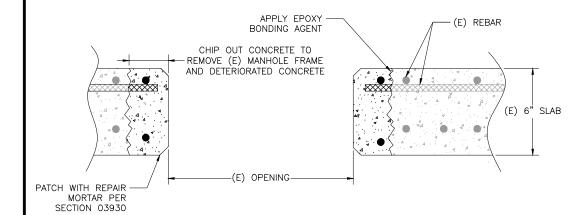
ASVEA
L # YOUT
1000 Broadway, Suite 320
Oakland, CA 94607
Tel. (510) 903-6600, Fax (510) 903-6601
Project No. 18-0244

N15 PLANK GUIDE
AND
MISCELLANEOUS DETAILS

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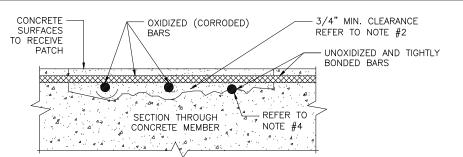




NOTES:

- 1. ALL EXISTING REBAR TO REMAIN. WHERE EXISTING REBAR IS CORRODED OR DAMAGED, CONTRACTOR SHALL REPLACE PER SECTION 03930.
- 2. MANHOLE FRAME AND NEW PVC LINING NOT SHOWN
- 3. INSTALL 5/16" EYE-BOLT TO HANG EQUIPMENT IN EACH MANHOLE PER DET E/D56.

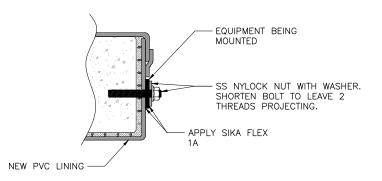




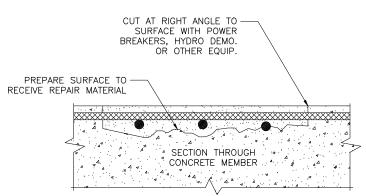
NOTES:

- 1. REMOVE LOOSE OR DELAMINATED CONCRETE ABOVE CORRODED REINFORCING STEEL. ONCE INITIAL REMOVALS ARE MADE PROCEED WITH UNDERCUTTING OF EXPOSED CORRODED BARS. UNDERCUTTING WILL PROVIDE CLEARANCE FOR UNDER BAR CLEANING, FULL BAR CIRCUMFERENCE BONDING TO SURROUNDING CONCRETE, AND WILL SECURE PATCH STRUCTURALLY.
- 2. PROVIDE MINIMUM 3/4" CLEARANCE BETWEEN EXPOSED REBAR AND SURROUNDING CONCRETE OR 1/4" LARGER THAN LARGEST AGGREGATE IN REPAIR MORTAR, WHICHEVER IS GREATER. ADDITIONAL CLEARANCE MAY BE REQUIRED WHERE MECHANICAL REBAR COUPLERS ARE USED.
- 3. IF UNOXIDIZED REINFORCING STEEL IS EXPOSED DURING UNDERCUTTING PROCESS, TAKE CARE NOT TO DAMAGE BARS' BOND TO SURROUNDING CONCRETE. IF BOND BETWEEN BAR AND CONCRETE IS BROKEN, UNDERCUTTING OF BAR IS REQUIRED.
- 4. IF THE REINFORCING STEEL HAS MORE THAN 25% OF THE CROSS SECTIONAL AREA LOST ALONG ITS EXPOSED LENGTH, THE REINFORCING STEEL SHALL BE REPLACED AND MECHANICALLY SPLICED TO SOUND, ADJACENT REINFORCING STEEL. THE CONTRACTOR SHALL REMOVE ENOUGH OF THE CONCRETE AROUND THE CIRCUMFERENCE OF THE REINFORCING BAR TO ACCOMMODATE THE SPLICES AND/OR COUPLER INSTALLATION AND TO ALLOW FOR BONDING BETWEEN THE REINFORCING STEEL AND THE NEW CEMENTITIOUS MORTAR MATERIAL. THE MINIMUM REPAIR LENGTH OF THE REINFORCING STEEL SHALL BE 6 INCHES.
- SECURE REINFORCEMENT WHICH IS LOOSE IN PLACE BY TYING TO OTHER SECURED BARS OR BY OTHER APPROVED METHODS.



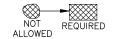


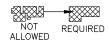




NOTE:

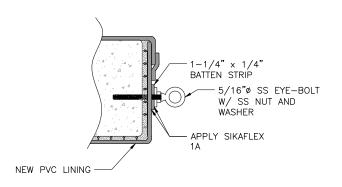
AT THE EDGE LOCATIONS, SAW CUT EDGES AT 1/2-INCH MINIMUM DEPTH AND RIGHT ANGLE CUTS TO AVOID FEATHERED EDGES. FOR EXAMPLE:





TYP EXPOSING AND RESURFACING DETAIL





EYE-BOLT HANGER DETAIL SCALE: NTS



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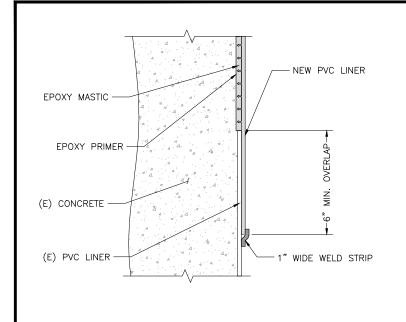


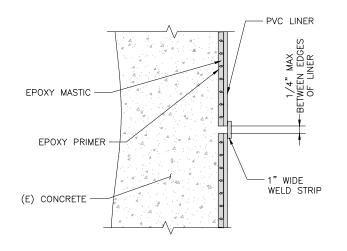
SACRAMENTO REGIONAL COUNTY
SANITATION DISTRICT

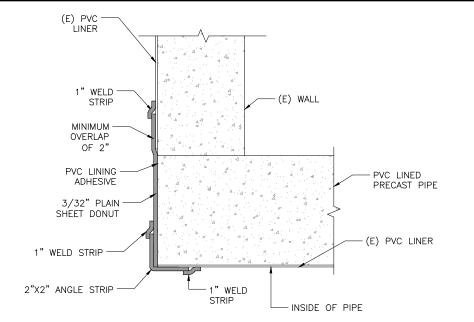


N15 AND N24 STRUCTURES REHABILITATION

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TERMINATION OF NEW LINER ONTO EXISTING LINER DETAIL 1

WELD STRIP AT JOINTS
DETAIL
NTS

PVC LINING REPAIR AT INLET PIPE TRANSITIONS DETAIL

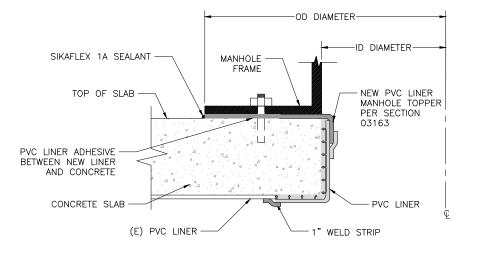
3

MIN. 1"
SAW CUT

EPOXY
MASTIC

EPOXY
PRIMER

EPOXY
MASTIC



#8-32 TYPE 316 SS FLAT HEAD HEX DRIVE SCREWS ON 6" CENTERS EACH ROW. STAGGER ADJACENT ROWS. CENTER ON (E) RUNNER ON BACK CHAMFER OR ROUND EDGE NEW 5/16" ANGLE OR OF STIFFENER PLATE AS 1/4" PLATE AS APPLICABLE OF SLIDE PLATE REQUIRED TO PREVENT DAMAGE TO PVC LINING 1 ZPLAIN PVC SHEET OR NEW STIFFENER PLATE LINER WITH RIBS REMOVED PVC CORNER STRIP OR PVC LINING TO Δ. CONNECT TO LINING ON STRUCTURE WALLS UHMWPE FACING PLATE, 1/8" THICK CHECK GAP WITH FEELER GAGES. GAP SHALL NOT EXCEED 1/32" AT ANY LOCATION. SHIMS AS REQUIRED SAND FACING PLATE AS REQUIRED (E) SLIDE PLATE (E) RUNNER WELDED TO BACK OF SLIDE PLATE

NOTES:

- 1. TO ACHIEVE SPECIFIED 1/32" MAX. GAP BETWEEN FACING PLATE AND (E) RUNNER, ADD SHIMS BEHIND FACING PLATE OR SAND FRONT OF FACING PLATE AS REQUIRED. GRINDING OF (E) RUNNERS MAY ALSO BE REQUIRED. GAP SHALL BE CHECKED WITH GATE MOUNTED IN NORMAL POSITION USING RETAINING BOLTS. THIS MAY REQUIRE THE USE OF A DUMMY RETAINER PLATE (SEE SHEET D54) THAT ALLOWS ACCESS FOR THE FEELER GAUGES.
- 2. PVC LINER SHALL BE SEALED TO COATED STEEL STIFFENER PLATE USING AN APPROVED MASTIC. UHMWPE (ULTRA—HIGH MOLECULAR WEIGHT POLYETHYLENE) FACING PLATE IS APPLIED OVER PVC LINER TO PROTECT PVC LINER AND COATED STEEL STIFFENER PLATE WHEN SLIDE PLATES ARE BEING INSERTED OR REMOVED.
- 3. AFTER FINAL ADJUSTMENTS TO FACING PLATE (SHIMS, SANDING), MOUNTING SCREWS SHALL BE INSTALLED FOR THE FINAL TIME USING A HIGH-STRENGTH THREAD LOCKER, LOCTITE 263 OR APPROVED EQUAL.
- 4. SCREW HOLES SHALL BE TAPPED IN STIFFENER PLATE, ENSURE SCREW HEADS ARE COUNTERSUNK BELOW FACE OF UHMWPE FACING PLATE TO PROVIDE A SMOOTH SURFACE.
- 5. CHAMFER EDGES OF UHMWPE FACING PLATES AS REQUIRED FOR SMOOTH INSERTION AND REMOVAL OF SLIDE PLATES.

DETAIL	6
SCALE: $1'-0" = 1'-0"$	D54,D5

TERMINATION AT METAL FRAME DETAIL





REVISIONS			
REV.	DESCRIPTION	BY	DATE



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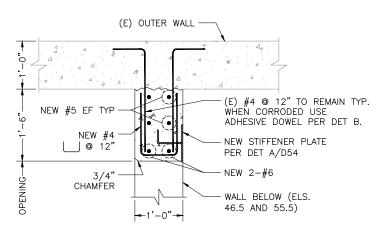
SACRAMENTO REGIONAL COUNTY	L
SANITATION DISTRICT	

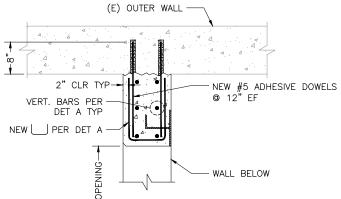


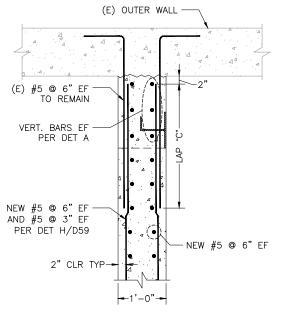
N15 AND N24 STRUCTURES REHABILITATION N15 COATING AND LINING DETAILS

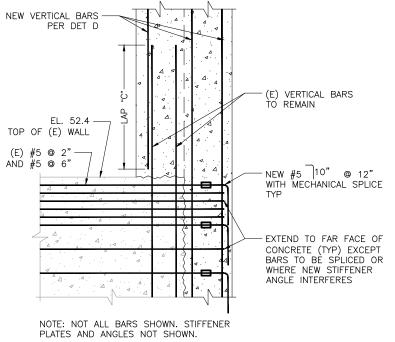
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CHECKED GHW	D67
SHEET DATE	D57
12/04/2019 Page	479F 55 SHEETS











DETAIL

SCALE: 1" = 1'-0"

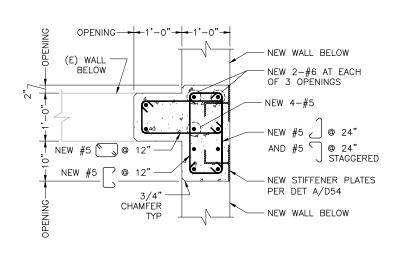


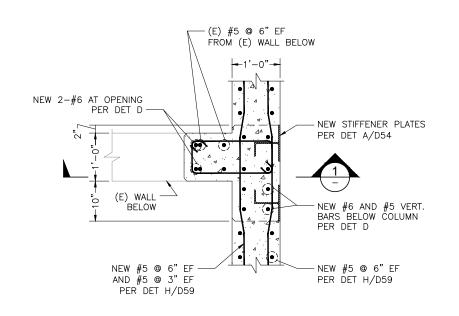
NOTE: THIS DETAIL NOT TO BE USED EXCEPT AS DESCRIBED IN DET A. DIMENSIONS AND CONFIGURATION TO MATCH DET A EXCEPT AS

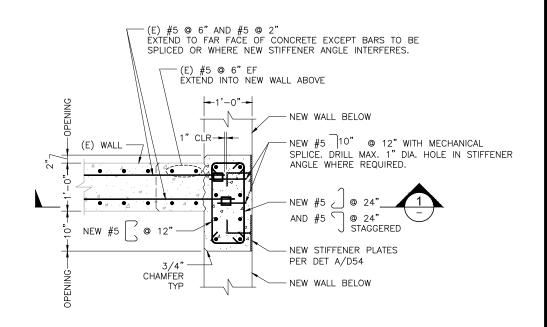
NOTED IN THIS DETAIL.











NOTE: FOR NEW VERTICAL BARS SEE DET D.

DETAIL

SCALE: 1" = 1'-0"

DETAIL	E
SCALE: $1'' = 1' - 0''$	_

DETAIL	F
SCALE: $1'' = 1'-0''$	

REVISIONS			
REV.	DESCRIPTION	BY	DATE



		SURVEY
	B.M.:	ELEV.:
	DESC.	
	PLANS:	F.B.:
	PROFILE:	F.B.:
2019	DATUM:	

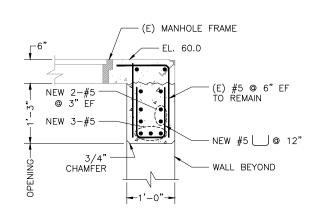


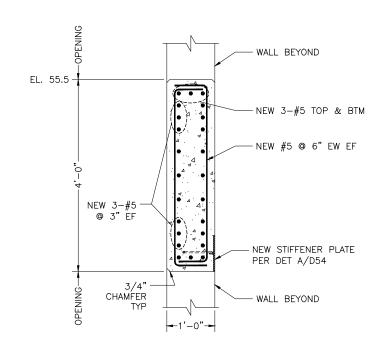
SACRAMENTO REGIONAL COUNTY
SANITATION DISTRICT

A&VEA
1000 Broadway, Suite 320 Oakland, CA 94607 Tel. (510) 903-6600, Fax (510) 903-6601
Project No. 18-0244

N15	AND	N24	STRUCTURES	REHABILITATION
	N	N15	STRUCTI	URAL
DETAILS				

CONTRACT NO 6011	SCALE
FILE NAME 18-0244 N24.dwg	AS SHOWN
DRAWN MDJ	DRAWING
DESIGNED LTZ	DRAWING
CHECKED SNP	DEO
SHEET DATE	D58
12/04/2019 Page	48 6 55 SHEETS
	DRAWN MDJ DESIGNED LTZ CHECKED SNP SHEET DATE



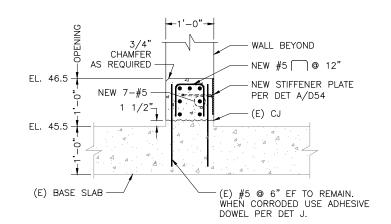


DETAIL

SCALE: 1" = 1'-0"

DETAIL

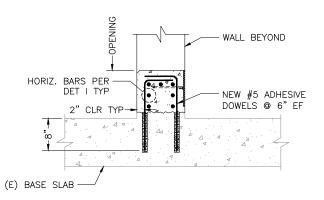
SCALE: 1" = 1'-0"



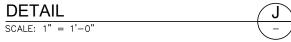
NOTE: ANY ADJACENT CONCRETE FILL OR CONCRETE FILLETS THAT ARE DAMAGED OR REMOVED DURING CONSTRUCTION SHALL BE RESTORED TO MATCH EXIST.

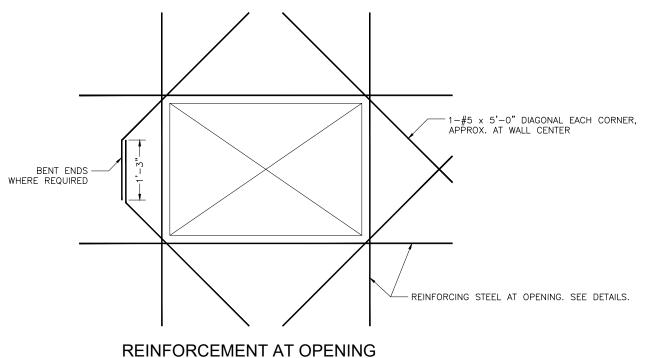
DETAIL

SCALE: 1" = 1'-0"



NOTE: THIS DETAIL NOT TO BE USED EXCEPT AS DESCRIBED IN DET I. DIMENSIONS AND CONFIGURATION TO MATCH DET I EXCEPT AS NOTED IN THIS DETAIL.





	REVISIONS		
REV.	DESCRIPTION	BY	DATE
1	ADDENDUM 2	MDJ 1	/29/2



	SURVEY
B.M.:	ELEV.:
DESC.	
PLANS:	F.B.:
PROFILE:	F.B.:

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TAKING THE WASTE OUT OF WATER
Secremento Regional County Sanitation District

SACRAMENTO REGIONAL COUNTY
SANITATION DISTRICT

A&VE.
1000 Broadway, Suite 320 Oakland, CA 94607 Tel. (510) 903-6800, Fax (510) 903-6601 Project No. 18-0244

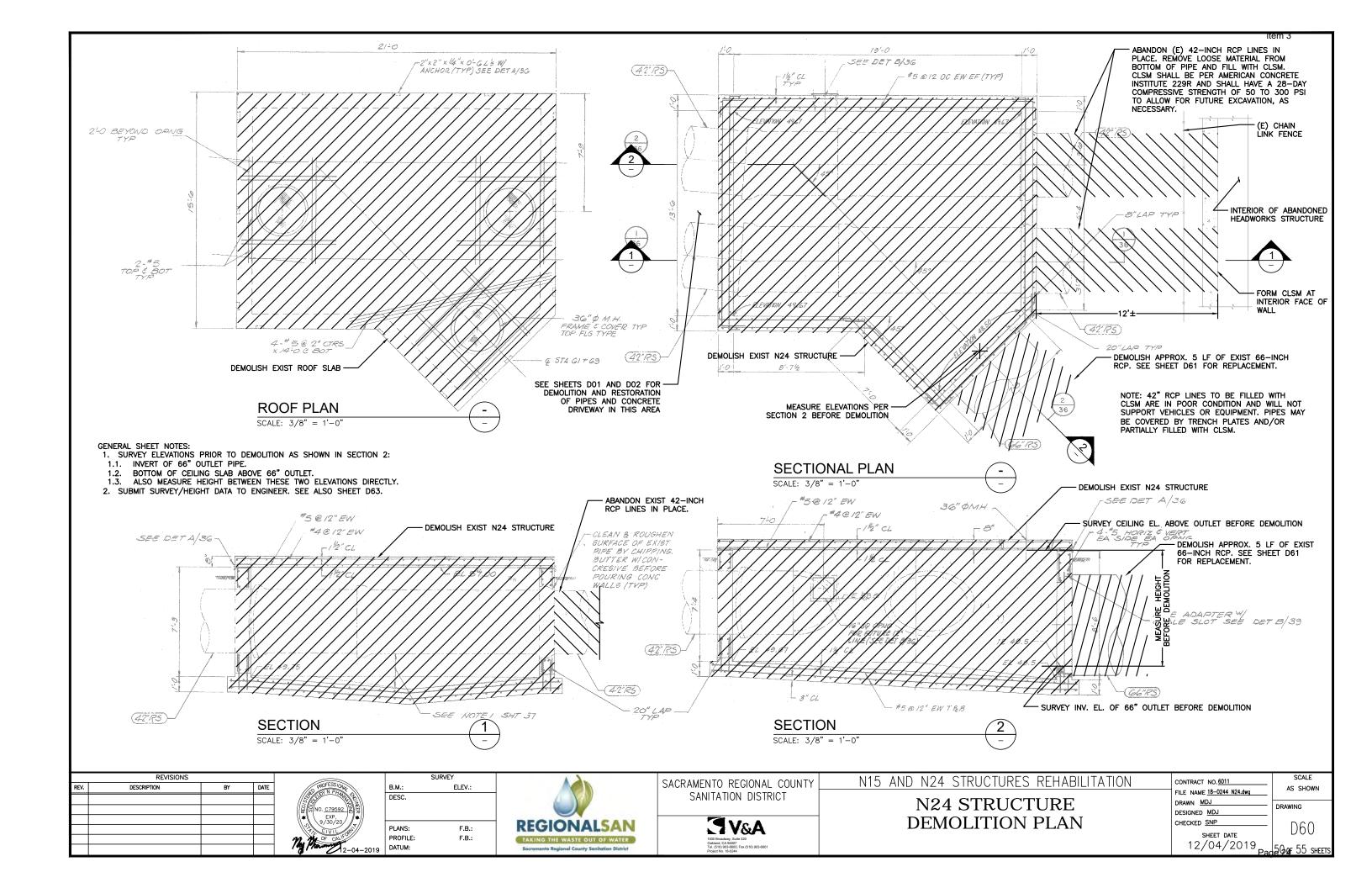
N15	AND	N24	STRUCTURES	REHABILITATION	

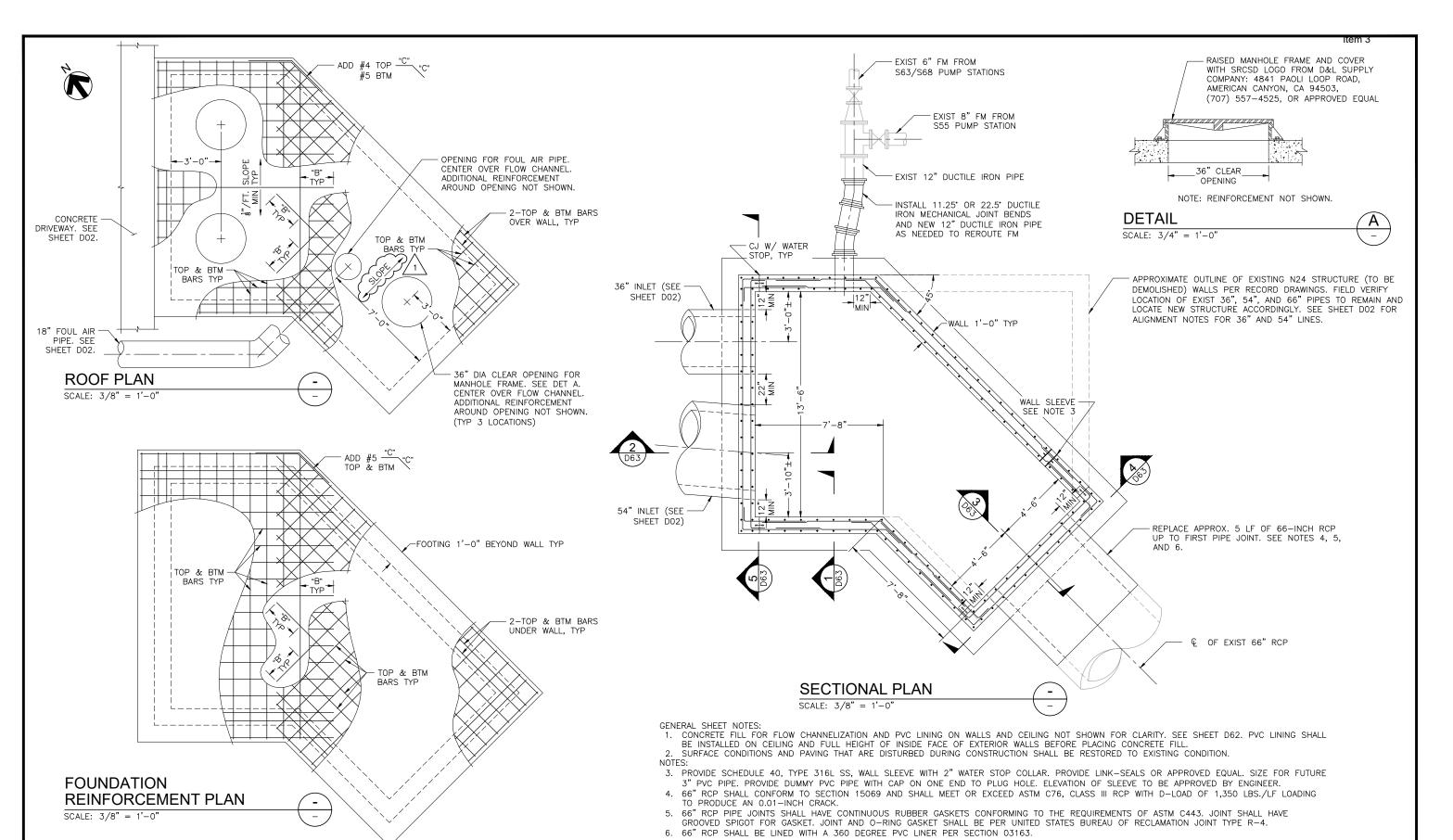
IN WALL DETAIL

N.T.S.

N15 STRUCTURAL
DETAILS

CONTRACT NO.6011	SCALE
FILE NAME 18-0244 N24.dwg	AS SHOWN
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REVISIONS DESCRIPTION DATE ADDENDUM 2 MDJ /29/2



SURVE ELEV .: DESC. PLANS: F.B.: PROFILE: DATUM:



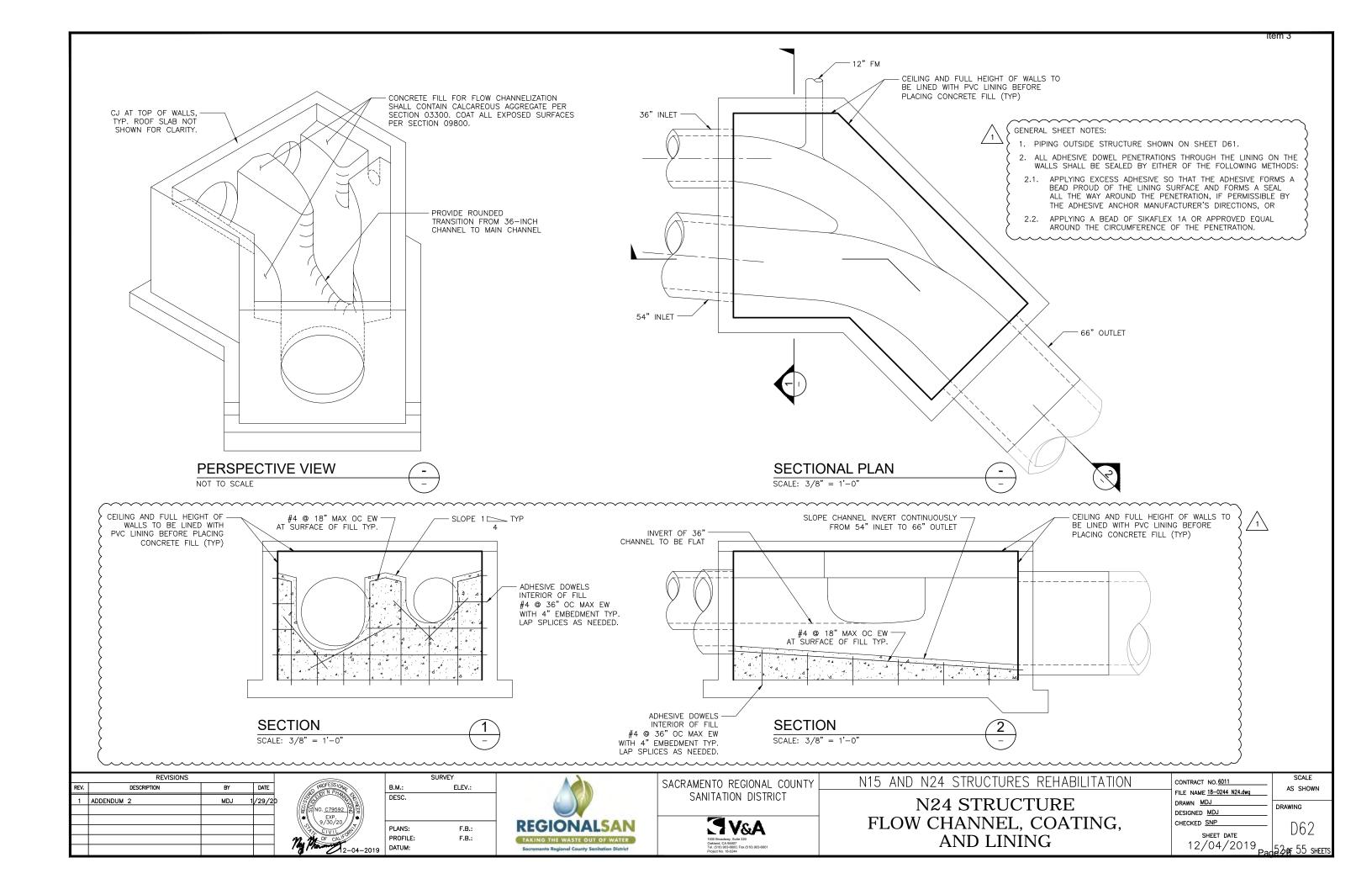
SACRAMENTO REGIONAL COUNTY SANITATION DISTRICT

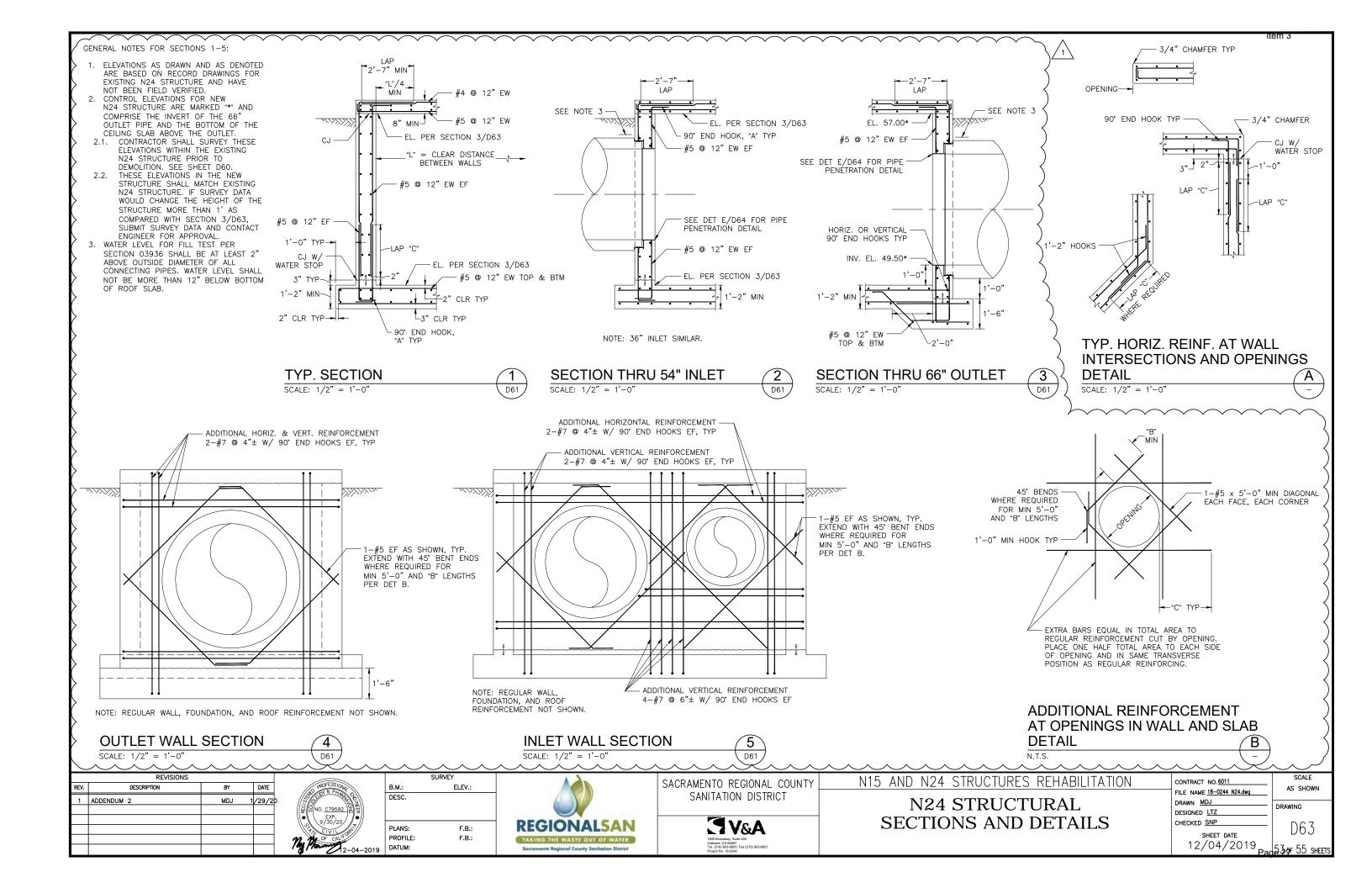


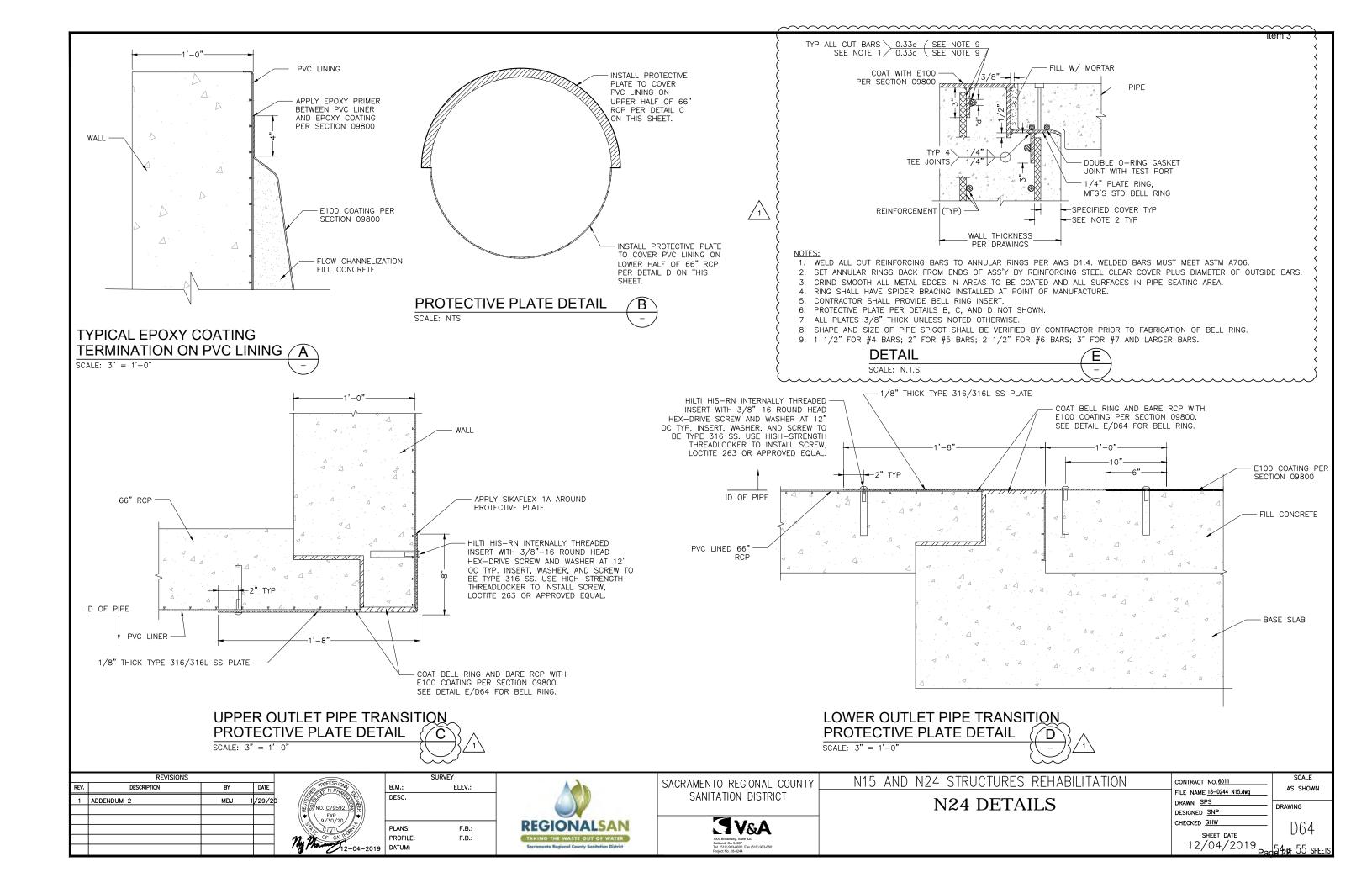
N15 AND N24 STRUCTURES REHABILITATION

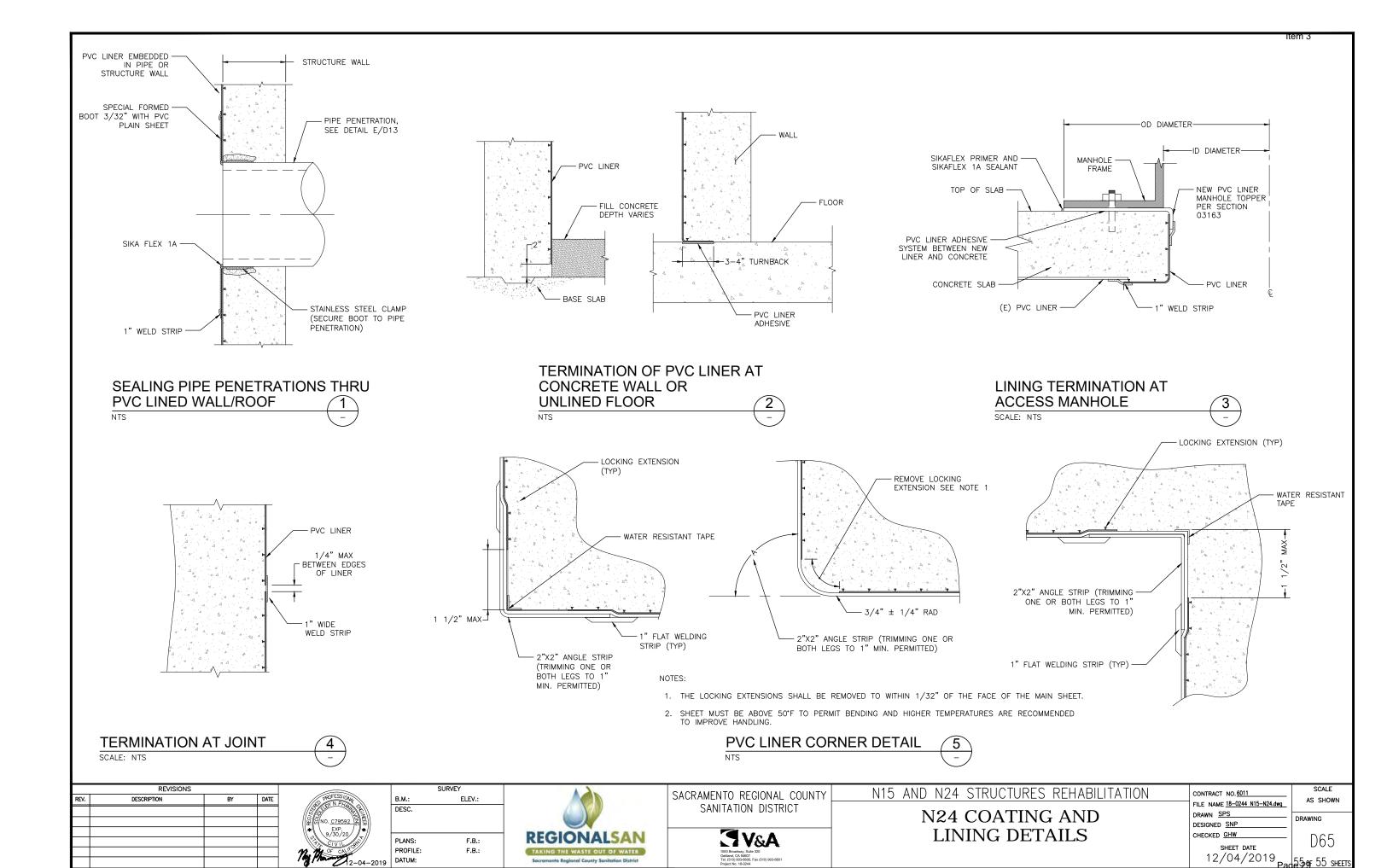
N24 STRUCTURAL AND SITE PLANS

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	DRAWN MDJ	DRAWING
~	DESIGNED LTZ	
>	CHECKED SNP	D61
	SHEET DATE 12/04/2019_	
	Pad	£5\$ gg 55 she









Pad 550 SHEETS

Sacramento Regional County Sanitation District