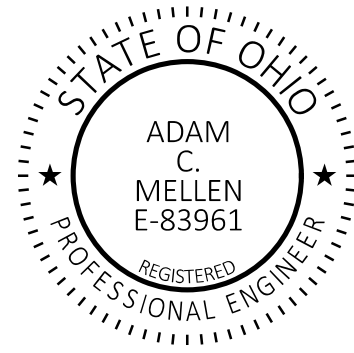




PLANS PREPARED BY:
**OHIO DEPARTMENT OF
TRANSPORTATION**
DISTRICT THREE ENGINEERING



ENGINEER'S SEAL

SEE SHEET 3 FOR WORK LOCATION DETAILS

LOCATION MAP

LATITUDE: 40°53'9" LONGITUDE: -82°11'33"



PORTION TO BE IMPROVED	
INTERSTATE HIGHWAY	
FEDERAL ROUTES	
STATE ROUTES	
COUNTY & TOWNSHIP ROADS	
OTHER ROADS	

DESIGN DESIGNATION

SEE SHEET 2 FOR INFORMATION

DESIGN EXCEPTIONS

N/A

ADA DESIGN WAIVERS

N/A

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION

ASD/WAY-BH-FY2027(B)
CONGRESS TWP, MONTGOMERY TWP, PERRY TWP
CITY OF ASHLAND
ASHLAND COUNTY, WAYNE COUNTY

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STANDARD CONSTRUCTION DRAWINGS						SUPPLEMENTAL SPECIFICATIONS	SPECIAL PROVISIONS
DM-4.3	1/15/16					800-2023	1/16/26
DM-4.4	1/15/16					832	7/18/25
						844	1/17/25
MT-95.30	7/18/25						
MT-95.45	7/21/23						
MT-95.50	7/21/17						
MT-98.22	1/17/20						
MT-105.10	1/17/20						
TC-41.20	10/18/13						
TC-42.20	10/18/13						
TC-52.10	10/18/13						
TC-52.20	1/15/21						

FEDERAL PROJECT NUMBER

E260090

RAILROAD INVOLVEMENT

N/A

PROJECT DESCRIPTION

BRIDGE PIER COLUMN REPAIR THROUGHOUT
ASHLAND AND WAYNE COUNTIES ON IR-71

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA:	N/A ACRES*
ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	N/A ACRES*
NOTICE OF INTENT EARTH DISTURBED AREA:	N/A ACRES* (*=MAINTENANCE PROJECT)

LIMITED ACCESS

THIS IMPROVEMENT IS ESPECIALLY DESIGNED FOR THROUGH TRAFFIC AND HAS BEEN DECLARED A LIMITED ACCESS HIGHWAY OR FREEWAY BY ACTION OF THE DIRECTOR IN ACCORDANCE WITH THE PROVISIONS OF SECTION 5511.02 OF THE OHIO REVISED CODE.

2023 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PLANS AND CHANGES LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

Robert Weaver
District 03 Deputy Director

Pamela Boratyn
Director, Department of Transportation

UNDERGROUND UTILITIES

Contact Two Working Days
Before You Dig

OHIO811.org
Before You Dig

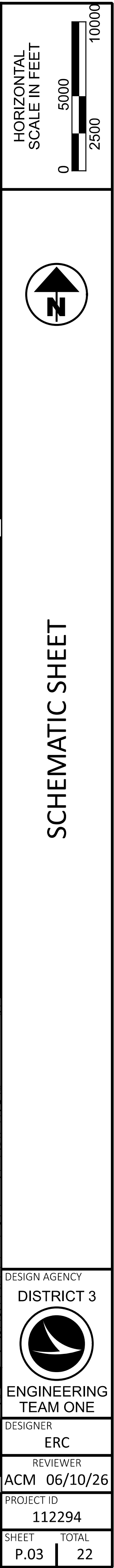
OHIO811, 8-1-1, or 1-800-362-2764
(Non members must be called directly)

ASD-71

DESIGN DESIGNATION	ASD - 71 - 4.16 - 6.37	ASD - 71 - 6.37 - 7.56	ASD - 71 - 7.56 - 11.11	ASD - 71 - 11.11 - 11.90
CURRENT YEAR ADT (2026)	56,500	56,500	50,000	50,500
DESIGN YEAR ADT (2047)	68,500	68,500	61,500	64,000
DESIGN HOURLY VOLUME (2047)	9,500	9,500	8,000	8,300
DIRECTIONAL DISTRIBUTION	55%	55%	55%	54%
TRUCKS (24 HOUR B&C)	31%	31%	29%	31%
Td	10%	10%	9%	10%
SPEED LIMIT	70	70	70	70
NHS PROJECT	YES	YES	YES	YES
DESIGN FUNCTIONAL CLASSIFICATION	INTERSTATES	INTERSTATES	INTERSTATES	INTERSTATES

WAY-71

DESIGN DESIGNATION	WAY - 71 - 3.68 - 5.08
CURRENT YEAR ADT (2026)	53,500
DESIGN YEAR ADT (2047)	64,000
DESIGN HOURLY VOLUME (2047)	8,400
DIRECTIONAL DISTRIBUTION	57%
TRUCKS (24 HOUR B&C)	31%
Td	10%
SPEED LIMIT	70
NHS PROJECT	YES
DESIGN FUNCTIONAL CLASSIFICATION	INTERSTATES



GENERAL

UTILITIES
(G102A)

LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN THE PROJECT LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS:

CITY CITY OF ASHLAND 206 CLAREMONT AVENUE ASHLAND, OH 44805 419.289.8331	GAS NORTHEAST OHIO NATURAL GAS 9081 STATE ROUTE 250 STRASBURG, OH 44680 330.878.5589
ELECTRIC OHIO EDISON 2508 WEST PERKINS AVENUE SANDUSKY, OH 44870 419.627.6881	GAS DIVERSIFIED GAS & OIL PLC 1800 CORPORATE DRIVE BIRMINGHAM, AL 35242 205.408.0909
COMMUNICATION EVERSTREAM SOLUTIONS 800 W ST CLAIR, 2ND FLOOR CLEVELAND, OH 44113 216.581.7972	ELECTRIC FIRELANDS ELECTRIC 1 ENERGY PLACE NEW LONDON, OH 44851 419.929.1571
COMMUNICATION FRONTIER COM 83 TOWNSEND AVENUE NORWALK, OH 44857 419.744.3613	GAS KINDER MORGAN 605 WESTLAKE DRIVE ASHLAND, OH 44805 714.560.4967
GAS MFC DRILLING COMPANY 46281 U.S. HIGHWAY 36 COSHOCOTON, OH 43812 740.622.5600	CABLE MASSILLON CABLE TELEVISION P.O. BOX 917 WOOSTER, OH 44691 330.345.5110
TRAFFIC ODOT DISTRICT THREE 906 CLARK AVENUE ASHLAND, OH 44805 419.207.2868	

THE AFOREMENTIONED UTILITY COMPANIES AND AGENCIES HAVE VARIOUS FACILITIES IN THE AREA THAT WILL REMAIN IN PLACE DURING CONSTRUCTION.

EXTREME CAUTION SHOULD BE EXERCISED IN AREAS WITH UTILITIES. SECTIONS 105.07 AND 107.16 OF THE DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS REQUIRE, AMONG OTHER THINGS, THAT THE CONTRACTOR COOPERATE WITH ALL UTILITIES LOCATED WITHIN THE LIMITS OF THIS CONSTRUCTION PROJECT AND TAKE RESPONSIBILITY FOR THE PROTECTION OF THE UTILITY PROPERTY AND SERVICES.

WORK LIMITS
(G106)

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

ROUTINE MAINTENANCE

BETWEEN THE TIME THAT BIDS ARE TAKEN AND THE START OF CONSTRUCTION, THE MAINTAINING AGENCY MAY ENTER UPON THE PROJECT AND PERFORM ROUTINE MAINTENANCE SUCH AS CRACK SEALING, PATCHING, AND BERM AND SHOULDER REPAIR. THE EFFECTS, IF ANY, OF THE PERFORMANCE OF ROUTINE MAINTENANCE SHALL BE CONSIDERED AS INHERENT IN WORK OF THE CHARACTER PROVIDED FOR IN THE PLAN AND THE RESULTING CONDITIONS SHALL NOT BE CONSIDERED AS DIFFERING MATERIALLY FROM THOSE EXISTING AT THE TIME BIDS WERE TAKEN.

STRUCTURE REPAIR

EXISTING STRUCTURE VERIFICATION

DETAILS AND DIMENSIONS SHOWN ON THESE PLANS PERTAINING TO THE EXISTING STRUCTURES HAVE BEEN OBTAINED FROM PLANS OF THE EXISTING STRUCTURES AND FROM FIELD OBSERVATIONS AND MEASUREMENTS. CONSEQUENTLY, THEY ARE INDICATIVE OF THE EXISTING STRUCTURES AND THE PROPOSED WORK BUT THEY SHALL BE CONSIDERED TENTATIVE AND APPROXIMATE. THE CONTRACTOR IS REFERRED TO CMS SECTIONS 102.05 AND 105.02.

BASE CONTRACT BID PRICES UPON A RECOGNITION OF THE UNCERTAINTIES DESCRIBED ABOVE AND UPON A PREBID EXAMINATION OF THE EXISTING STRUCTURES. HOWEVER, THE DEPARTMENT WILL PAY FOR ALL PROJECT WORK BASED UPON ACTUAL DETAILS AND DIMENSIONS THAT HAVE BEEN VERIFIED IN THE FIELD.

ROUTINE MAINTENANCE

BETWEEN THE TIME THAT BIDS ARE TAKEN AND THE START OF CONSTRUCTION, THE MAINTAINING AGENCY MAY ENTER UPON THE PROJECT AND PERFORM ROUTINE MAINTENANCE SUCH AS CRACK SEALING, PATCHING, AND OTHER REPAIRS. THE EFFECTS, IF ANY, OF THE PERFORMANCE OF ROUTINE MAINTENANCE SHALL BE CONSIDERED AS INHERENT IN WORK OF THE CHARACTER PROVIDED FOR IN THE PLAN AND THE RESULTING CONDITIONS SHALL NOT BE CONSIDERED AS DIFFERING MATERIALLY FROM THOSE EXISTING AT THE TIME BIDS WERE TAKEN.

EXISTING PLANS

EXISTING PLANS MAY BE INSPECTED IN THE ODOT DISTRICT THREE OFFICE IN ASHLAND:

PLAN NAME	DATE
ASD-71-0416_(SFN_0302465)_ORIGINAL_1958	1958
ASD-71-0637_(SFN_0302643)_ORIGINAL_1958	1958
ASD-71-0756_(SFN_0302708)_ORIGINAL_1958	1958
ASD-71-1111_(SFN_0303097)_ORIGINAL_1957	1957
ASD-71-1190_(SFN_0303127)_ORIGINAL_1957	1957
WAY-71-0368_(SFN_8503125)_ORIGINAL_1957	1957
WAY-71-0368_(SFN_8503125)_ORIGINAL_1957	1957

STANDARD BRIDGE DRAWINGS AND SUPPLEMENTAL SPECIFICATIONS

SUPPLEMENTAL SPECIFICATION: 844 (DATED: 01/17/2025)

ITEM 519 – PATCHING CONCRETE STRUCTURES

REPLACE UNSOUND CONCRETE IN ALL AREAS OUTLINED FOR EACH PIER STRUCTURE. EPOXY-URETHANE SEAL EACH PATCH AND 6” BEYOND THE EDGE OF THE PATCH, EXCEPT FOR REPAIRS WHERE THE ENTIRE COLUMN IS CALLED OUT FOR EPOXY-URETHANE SEALING.

THIS ITEM IS TO BE USED IN CONJUCTURE WITH ITEM 844 - GALVANIC ANODE PROTECTION WHERE APPLICABLE.

ITEM 844 – GALVANIC ANODE PROTECTION
(BDM 702.17-1)

REPAIR CONCRETE SHALL BE HYDRAULIC CEMENT-BASED MATERIAL WITH AN ELECTRICAL RESISTIVITY LESS THAN 50,000 OHM-CM ACCORDING TO ASTM C 1760. DO NOT USE NON- CONDUCTIVE REPAIR MATERIALS SUCH AS MAGNESIUM AMMONIUM PHOSPHATE CONCRETE AND EPOXY MORTARS OR BONDING AGENTS. CONCRETE MIXES CONTAINING HIGH LEVELS OF SUPPLEMENTARY CEMENTITIOUS MATERIALS SUCH AS SILICA FUME, GROUND GRANULATED BLAST FURNACE SLAG, LATEX, FLY ASH OR METAKAQLIN MAY NOT MEET THE RESISTIVITY REQUIREMENT.

THE GALVANIC ANODE SIZE AND SPACING IS BASED ON ACHIEVING A CURRENT DENSITY FOR THE EXTREMELY HIGH CORROSION RISK CATEGORY WITH A 10 YEAR INSTALLATION. SUPPLY ANODES WITH A MINIMUM CORE OF 100 GRAMS OF ZINC.

THIS ITEM IS TO BE USED IN CONJUCTURE WITH ITEM 519 – PATCHING CONCRETE STRUCTURES WHERE APPLICABLE.

ITEM 202 – PORTIONS OF STRUCTURE REMOVED, AS PER PLAN
(BDM 603.1-3)

REMOVE ALL CONCRETE AND REINFORCEMENT COMPRISING THE EXISTING PIER ENCASEMENT DOWN TO THE ORIGINAL PIER, AS WELL AS ANY UNSOUND CONCRETE IN THE ORIGINAL PIER. PRESERVE ALL REINFORCEMENT IN THE ORIGINAL PIER.

THIS ITEM SHALL INCLUDE THE ELEMENTS INDICATED IN THE PLANS AND GENERAL NOTES AND THAT ARE NOT SEPARATELY LISTED FOR PAYMENT. ITEMS TO BE REMOVED INCLUDE ALL EXISTING MATERIALS BEING REPLACED BY NEW CONSTRUCTION AND MISCELLANEOUS ITEMS THAT ARE NOT SHOWN TO BE INCORPORATED INTO THE FINAL CONSTRUCTION AND ARE DIRECTED TO BE REMOVED BY THE ENGINEER. THE DEPARTMENT WILL NOT PERMIT THE USE OF EXPLOSIVES, HEADACHE BALLS AND/OR HOE-RAMS. DO NOT BEGIN WORK UNTIL THE ENGINEER ACCEPTS THE METHOD OF REMOVAL AND THE WEIGHT OF HAMMER SHALL BE APPROVED BY THE ENGINEER. PERFORM ALL WORK IN A MANNER THAT WILL NOT CUT, ELONGATE OR DAMAGE THE EXISTING CONCRETE REINFORCEMENT TO BE PRESERVED. CHIPPING HAMMERS SHALL NOT BE HEAVIER THAN THE NOMINAL 90-POUND CLASS. PNEUMATIC HAMMERS SHALL NOT BE PLACED IN DIRECT CONTACT WITH CONCRETE REINFORCEMENT THAT IS TO BE RETAINED IN THE REBUILT STRUCTURE. SUBMIT CONSTRUCTION PLANS ACCORDING TO C&MS 501.05.

SOUND THE CONCRETE TO DETERMINE THE LIMITS OF THE CONCRETE TO BE REMOVED AND COMPARE THESE LIMITS TO THE AREAS SHOWN IN THE PLANS. IF NEW AREAS ARE DISCOVERED OR IF THE DIMENSIONS OF THE PLAN AREAS INCREASE BY MORE THAN 25% IN ANY DIRECTION, DOCUMENT THE AREAS AND NOTIFY THE ENGINEER FOR EVALUATION TWO WEEKS PRIOR TO REMOVAL. THE ENGINEER WILL DETERMINE IF PATCHING IN DISCRETE SECTIONS/STAGES IS NEEDED OR IF THE INSTALLATION OF TEMPORARY FALSEWORK IS REQUIRED.

ITEM 511 – CLASS QC1 CONCRETE, PIER ABOVE FOOTINGS, AS PER PLAN
(BDM C405.10)

PREPARE ALL COLUMN SURFACES TO BE ENCASED PER C&MS 519. INSTALL ANCHORS (EPOXY OR EXPANSION) AS NEEDED TO SUPPORT AND POSITION WELDED WIRE FABRIC REINFORCEMENT WITH A MINIMUM OF 3.0” COVER. ENCASE THE COLUMN FROM 1’ BELOW THE GROUNDLINE TO THE HEIGHT INDICATED ON THE CORRESPONDING DETAIL WITH A MINUMUM THICKNESS OF 6” OF CONCRETE WITH A MINIMUM COMPRESSIVE STRENGTH OF 4.0 KSI, REINFORCED WITH W4 X W4, 6” X 6” WELDED WIRE FABRIC. ENSURE EXPOSED TOP OF ENCASING CONCRETE IS SLOPED TO DRAIN WATER. SEAL ALL NEW CONCRETE WITH EPOXY-URETHANE TO THE SATISFACTION OF THE AS PER PLAN NOTE FOR ITEM 512 – SEALING OF CONCRETE SURFACES (EPOXY URETHANE).

WHEN PLACING CONCRETE ADJACENT TO A CONCRETE BRIDGE PARAPET, DO NOT PLACE ANY CONCRETE PAST THE BACK FO THE PARAPET TO PREVENT ADDING ANY POTENTIAL CATCH POINTS.


THE AFOREMENTIONED WELDED WIRE FABRIC REINFORCEMENT SHALL BE PAID FOR SEPERATELY UNDER ITEM 509 – EPOXY COATED STEEL REINFORCEMENT.

THIS ITEM SHALL INCLUDE THE EXCAVATION, AND REPLACEMENT EMBANKMENT ITEMS PERTINENT TO ACCOMPLISHING THE ABOVE WORK.

ITEM 509 – EPOXY COATED STEEL REINFORCEMENT
(SUPPLEMENTAL SPEC. 844)

REINFORCE ALL CONCRETE ENCASEMENTS ADDED USING ITEM 511 – CLASS QC1 CONCRETE, PIER ABOVE FOOTINGS, AS PER PLAN, USING A WELDED WIRE FABRIC REINFORCEMENT: W4 X W4, 6” X 6”. ENSURE THE FABRIC IS PLACED IN A FASHION THAT THERE SHALL BE 3.0” OF COVER.

DESIGN AGENCY
DISTRICT 3



ENGINEERING
TEAM ONE

DESIGNER
ERC

REVIEWER
ACM 06/10/26

PROJECT ID
112294

SHEET TOTAL
P.04 22

MAINTENANCE OF TRAFFIC

ITEM 614 – MAINTAINING TRAFFIC (GENERAL)
(TEM 642-2)

A MINIMUM OF TWO 11’ LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES.

SUBMIT, IN WRITING, A SCHEDULE OF OPERATIONS TO THE ENGINEER AND RECEIVE APPROVAL BEFORE WORK IS STARTED ON THE PROJECT. PRIOR TO BEGINNING WORK, COORDINATE THE MAINTENANCE OF TRAFFIC OPERATIONS WITH THE LOCAL STATE HIGHWAY PATROL.

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH C&MS 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES CURRENT EDITION WITH THE LATEST REVISIONS. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

CONTRACTOR EQUIPMENT ACCESS AND WORK OPERATIONS

IN ADDITION TO THE REQUIREMENTS OF SECTION 614 OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS THE FOLLOWING SHALL APPLY:

THE CONTRACTOR'S EQUIPMENT SHALL BE OPERATED IN THE DIRECTION OF TRAVEL WHERE PRACTICAL

THE CONTRACTOR SHALL ARRANGE CONSTRUCTION OPERATIONS SO AS TO PREVENT ANY INTERFERENCE TO THE CONTINUOUS FLOW OF TRAFFIC. ALL VEHICLES, EQUIPMENT, WORKERS AND THEIR ACTIVITIES ARE RESTRICTED AT ALL TIMES TO THE CLOSED LANES UNLESS OTHERWISE APPROVED BY THE ENGINEER.

ITEM 614 – MAINTAINING TRAFFIC (LANES OPEN DURING HOLIDAYS OR SPECIAL EVENTS)
(TEM 642-6)

NO WORK SHALL BE PERFORMED, AND ALL EXISTING LANES SHALL BE OPEN TO TRAFFIC DURING THE FOLLOWING DESIGNATED HOLIDAYS OR EVENTS:

NEW YEAR’S (OBSERVED)	GENERAL ELECTION DAY (NOVEMBER)
MEMORIAL DAY	THANKSGIVING
FOURTH OF JULY (OBSERVED)	CHRISTMAS (OBSERVED)
LABOR DAY	

THE PERIOD OF TIME THAT LANES ARE TO BE OPEN DEPENDS ON THE DAY OF THE WEEK ON WHICH THE HOLIDAY OR EVENT FALLS. THE FOLLOWING SCHEDULE SHALL BE USED TO DETERMINE THIS PERIOD:

DAY OF HOLIDAY OR EVENT	TIME ALL LANES MUST BE OPEN TO TRAFFIC
SUNDAY	12:00N FRIDAY THROUGH 6:00 AM MONDAY
MONDAY	12:00N FRIDAY THROUGH 6:00 AM TUESDAY
TUESDAY	12:00N MONDAY THROUGH 6:00 AM WEDNESDAY
TUESDAY (ELECTION)	5:00 AM TUESDAY THROUGH 12:00 AM WEDNESDAY
WEDNESDAY	12:00N TUESDAY THROUGH 6:00 AM THURSDAY
THURSDAY	12:00N WEDNESDAY THROUGH 6:00 AM FRIDAY
THANKSGIVING	6:00 AM WEDNESDAY THROUGH 6:00 AM MONDAY
FRIDAY	12:00N THURSDAY THROUGH 6:00 AM MONDAY
SATURDAY	12:00N FRIDAY THROUGH 6:00 AM MONDAY

DURING THE SAME PERIODS, MAINTAIN PEDESTRIAN ACCESS IF PEDESTRIAN ACCESS WAS PRESENT PRIOR TO CONSTRUCTION.

SHOULD THE CONTRACTOR FAIL TO MEET ANY OF THESE REQUIREMENTS, THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE IN ACCORDANCE WITH THE BELOW LANE VALUE CONTRACT TABLE.

DESCRIPTION OF LOCATION/SEGMENT	DISINCENTIVE PER TIME UNIT	DISINCENTIVE TIME UNIT
IR-71	\$50	PER MINUTE

ITEM 614 – MAINTAINING TRAFFIC (LANE CLOSURE/REDUCTION REQUIRED)
(TEM 642-7)

LENGTH AND DURATION OF LANE CLOSURES AND RESTRICTIONS SHALL BE AT THE APPROVAL OF THE ENGINEER. IT IS THE INTENT TO MINIMIZE THE IMPACT TO THE TRAVELING PUBLIC. LANE CLOSURES OR RESTRICTIONS OVER SEGMENTS OF THE PROJECT IN WHICH NO WORK IS ANTICIPATED WITHIN A REASONABLE TIME FRAME, AS DETERMINED BY THE ENGINEER, SHALL NOT BE PERMITTED. THE LEVEL OF UTILIZATION OF MAINTENANCE OF TRAFFIC DEVICES SHALL BE COMMENSURATE WITH THE WORK IN PROGRESS.

PERMITTED LANE CLOSURE SCHEDULE (PLCS)
(TEM 642-18)

PERMITTED LANE CLOSURE SCHEDULE (PLCS)

LANE CLOSURE(S) SHALL CONFORM TO THE FOLLOWING TABLE OR PAY A DISINCENTIVE FEE OF \$50 PER MINUTE.

I-71 Hour of the Day	NB Minimum Lanes Open					SB Minimum Lanes Open				
	MON- WED	THU	FRI	SAT	SUN	MON- WED	THU	FRI	SAT	SUN
0-1AM	1	1	1	1	1	1	1	1	1	1
1-2AM	1	1	1	1	1	1	1	1	1	1
2-3AM	1	1	1	1	1	1	1	1	1	1
3-4AM	1	1	1	1	1	1	1	1	1	1
4-5AM	1	1	1	1	1	1	1	1	1	1
5-6AM	1	1	1	1	1	1	1	1	1	1
6-7AM	2	2	1	1	1	2	2	1	1	1
7-8AM	2	2	2	1	1	2	2	2	1	1
8-9AM	2	2	2	2	1	2	2	2	2	1
9-10AM	2	2	2	2	2	2	2	3	3	2
10-11AM	2	2	2	2	2	2	3	3	3	2
11-12PM	2	3	3	3	3	2	3	3	3	3
12-1PM	2	3	3	3	3	2	3	3	3	3
1-2PM	2	3	3	3	3	2	3	3	3	3
2-3PM	2	3	3	3	3	2	3	3	3	3
3-4PM	2	3	3	3	3	2	3	3	2	3
4-5PM	2	3	3	3	3	2	3	3	2	3
5-6PM	2	3	3	2	3	2	3	3	2	2
6-7PM	2	2	3	2	3	2	2	2	2	2
7-8PM	2	2	2	2	2	2	2	2	2	2
8-9PM	2	2	2	2	2	2	2	2	1	2
9-10PM	1	1	1	1	2	1	1	1	1	1
10-11PM	1	1	1	1	1	1	1	1	1	1
11-12AM	1	1	1	1	1	1	1	1	1	1

MORE RESTRICTIVE CHANGES TO THE ALLOWABLE LANE CLOSURE HOURS ARE AT THE DISCRETION OF THE ENGINEER IN ORDER TO COMPLY WITH THE TRAFFIC MANAGEMENT IN WORK ZONES POLICY (21-008(P)) AND STANDARD PROCEDURE (123-001(SP)).

LESS RESTRICTIVE CHANGES TO THE ALLOWABLE LANE CLOSURE HOURS ARE SUBJECT TO THE TRAFFIC MANAGEMENT IN WORK ZONES POLICY (21-008(P)) AND STANDARD PROCEDURE (123-001(SP)) AND SHALL NOT BE IMPLEMENTED UNTIL, AND UNLESS, APPROVED BY THE PROPER ODOT AUTHORITY.

ALLOWABLE LANE CLOSURE HOURS FOR FACILITIES NOT COVERED BY THE PLCS, IF ANY, SHALL BE AS SPECIFIED ELSEWHERE IN THE PLANS.

FLOODLIGHTING
(TEM 642-29)

FLOODLIGHTING OF THE WORK SITE FOR OPERATIONS CONDUCTED DURING NIGHTTIME PERIODS SHALL BE ACCOMPLISHED SO THAT THE LIGHTS DO NOT CAUSE GLARE TO THE DRIVERS ON THE ROADWAY. TO ENSURE THE ADEQUACY OF THE FLOODLIGHT PLACEMENT, THE CONTRACTOR AND THE ENGINEER SHALL DRIVE THROUGH THE WORK SITE EACH NIGHT WHEN THE LIGHTING IS IN PLACE AND OPERATIVE PRIOR TO COMMENCING ANY WORK. IF GLARE IS DETECTED, THE LIGHT PLACEMENT AND SHIELDING SHALL BE ADJUSTED TO THE SATISFACTION OF THE ENGINEER BEFORE WORK PROCEEDS.

PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC.

ITEM 614 – PORTABLE CHANGEABLE MESSAGE SIGNS, AS PER PLAN
(TEM 642-41)

THE CONTRACTOR SHALL FURNISH, INSTALL, MAINTAIN AND REMOVE, WHEN NO LONGER NEEDED, A CHANGEABLE MESSAGE SIGN. THE SIGN SHALL BE OF A TYPE SHOWN ON A LIST OF APPROVED PCMS UNITS AVAILABLE ON THE OFFICE OF MATERIALS MANAGEMENT WEB PAGE. THE LIST CONTAINS CLASS A AND B UNITS WITH MINIMUM LEGIBILITY DISTANCES OF 800 FEET AND 650 FEET, RESPECTIVELY.

EACH SIGN SHALL BE TRAILER-MOUNTED AND EQUIPPED WITH A FUNCTIONAL DIMMING MECHANISM, TO DIM THE SIGN DURING DARKNESS, AND A TAMPER AND VANDAL PROOF ENCLOSURE. EACH SIGN SHALL BE PROVIDED WITH APPROPRIATE TRAINING AND OPERATION INSTRUCTIONS TO ENABLE ON-SITE PERSONNEL TO OPERATE AND TROUBLESHOOT THE UNIT. THE SIGN SHALL ALSO BE CAPABLE OF BEING POWERED BY AN ELECTRICAL SERVICE DROP FROM A LOCAL UTILITY COMPANY. THE PCMS SHALL BE DELINEATED IN ACCORDANCE WITH C&MS 614.03.

THE PROBABLE PCMS LOCATIONS AND WORK LIMITS FOR THOSE LOCATIONS ARE SHOWN ON SHEET(S) OF THE PLAN. PLACEMENT, OPERATION, MAINTENANCE AND ALL ACTIVATION OF THE SIGNS BY THE CONTRACTOR SHALL BE AS DIRECTED BY THE ENGINEER. THE PCMS SHALL BE LOCATED IN A HIGHLY VISIBLE POSITION YET PROTECTED FROM TRAFFIC. THE CONTRACTOR SHALL, AT THE DIRECTION OF THE ENGINEER, RELOCATE THE PCMS TO IMPROVE VISIBILITY OR ACCOMMODATE CHANGED CONDITIONS. WHEN NOT IN USE, THE PCMS SHALL BE TURNED OFF. ADDITIONALLY, WHEN NOT IN USE FOR EXTENDED PERIODS OF TIME, THE PCMS SHALL BE TURNED AWAY FROM ALL TRAFFIC.

THE ENGINEER SHALL BE PROVIDED ACCESS TO EACH SIGN UNIT AND SHALL BE PROVIDED WITH APPROPRIATE TRAINING AND OPERATION INSTRUCTIONS TO ENABLE ODOT PERSONNEL TO OPERATE AND TROUBLESHOOT THE UNIT, AND TO REVISE SIGN MESSAGES, IF NECESSARY.

ALL MESSAGES TO BE DISPLAYED ON THE SIGN WILL BE PROVIDED BY THE ENGINEER. A LIST OF ALL REQUIRED PRE-PROGRAMMED MESSAGES WILL BE GIVEN TO THE CONTRACTOR AT THE PROJECT PRECONSTRUCTION CONFERENCE. THE SIGN SHALL HAVE THE CAPABILITY TO STORE UP TO 99 MESSAGES. MESSAGE MEMORY OR PRE-PROGRAMMED DISPLAYS SHALL NOT BE LOST AS A RESULT OF POWER FAILURES TO THE ON-BOARD COMPUTER. THE SIGN LEGEND SHALL BE CAPABLE OF BEING CHANGED IN THE FIELD. THREE-LINE PRESENTATION FORMATS WITH UP TO SIX MESSAGE PHASES SHALL BE SUPPORTED. PCMS FORMAT SHALL PERMIT THE COMPLETE MESSAGE FOR EACH PHASE TO BE READ AT LEAST TWICE.

THE PCMS SHALL CONTAIN AN ACCURATE CLOCK AND PROGRAMMING LOGIC WHICH WILL ALLOW THE SIGN TO BE ACTIVATED, DEACTIVATED OR MESSAGES CHANGED AUTOMATICALLY AT DIFFERENT TIMES OF THE DAY FOR DIFFERENT DAYS OF THE WEEK.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR 24-HOUR-PER-DAY OPERATION AND MAINTENANCE OF THESE SIGNS ON THE PROJECT FOR THE DURATION OF THE PHASES WHEN THE PLAN REQUIRES THEIR USE.

PAYMENT FOR THE ABOVE DESCRIBED ITEM SHALL BE AT THE CONTRACT UNIT PRICE. PAYMENT SHALL INCLUDE ALL LABOR, MATERIALS, EQUIPMENT, FUELS, LUBRICATING OILS, SOFTWARE, HARDWARE AND INCIDENTALS TO PERFORM THE ABOVE DESCRIBED WORK.

ITEM 614 – PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN
2 SIGN MONTH
ASSUMING 2 PCMS SIGNS FOR 1 MONTH

ITEM 614 – LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE DURING CONSTRUCTION OPERATIONS (TEM 642-55)

USE OF LAW ENFORCEMENT OFFICERS (LEOS) BY CONTRACTORS OTHER THAN THE USES SPECIFIED BELOW SHALL NOT BE PERMITTED AT PROJECT COST NOR TIME COMPENSATION. LEOS SHOULD NOT BE USED WHERE THE OMUTCD INTENDS THAT FLAGGERS BE USED.

IN ADDITION TO THE REQUIREMENTS OF C&MS 614 AND THE OMUTCD, A UNIFORMED LEO WITH AN OFFICIAL PATROL CAR (CAR WITH TOP-MOUNTED EMERGENCY FLASHING LIGHTS AND COMPLETE MARKINGS OF THE APPROPRIATE LAW ENFORCEMENT AGENCY) SHALL BE PROVIDED FOR THE FOLLOWING TRAFFIC CONTROL TASKS:

DURING THE ENTIRE ADVANCE PREPARATION AND CLOSURE SEQUENCE WHERE COMPLETE BLOCKAGE OF TRAFFIC IS REQUIRED.

DURING A TRAFFIC SIGNAL INSTALLATION WHEN IMPACTING THE NORMAL FUNCTION OF THE SIGNAL OR THE FLOW OF TRAFFIC, OR WHEN TRAFFIC NEEDS TO BE DIRECTED THROUGH AN ENERGIZED TRAFFIC SIGNAL CONTRARY TO THE SIGNAL DISPLAY (E.G., DIRECTING MOTORISTS THROUGH A RED LIGHT).

DURING PERIODS WHERE TRAFFIC NEEDS TO BE DIRECTED CONTRARY TO A TRAFFIC CONTROL DEVICE (FLAGGER, SIGN [E.G. STOP SIGN, STREET OR HIGHWAY SIGNS, ETC], SIGNAL OR OTHER DEVICE USED TO REGULATE, WARN OR GUIDE TRAFFIC). TRAFFIC IN THIS INSTANCE INCLUDES VEHICULAR, PEDESTRIAN AND/OR SHARED USE PATH USERS.

IN ADDITION TO THE REQUIREMENT OF C&MS 614 AND THE OMUTCD, A UNIFORMED LEO WITH AN OFFICIAL PATROL CAR (CAR WITH TOP-MOUNTED EMERGENCY FLASHING LIGHTS AND COMPLETE MARKINGS OF THE APPROPRIATE LAW ENFORCEMENT AGENCY) SHOULD BE PROVIDED FOR THE FOLLOWING TRAFFIC CONTROL TASKS AS APPROVED BY THE ENGINEER:

FOR LANE CLOSURES THAT MEET ALL OF THE CRITERIA LISTED BELOW: DURING INITIAL SET-UP PERIODS, TEAR DOWN PERIODS, SUBSTANTIAL SHIFTS OF A CLOSURE POINT OR WHEN NEW LANE CLOSURE ARRANGEMENTS ARE INITIATED FOR LONG-TERM LANE CLOSURES/SHIFTS (FOR THE FIRST AND LAST DAY OF MAJOR CHANGES IN TRAFFIC CONTROL SETUP).

CRITERIA:

ON A MULTI-LANE DIVIDED INTERSTATE, OTHER FREEWAY OR EXPRESSWAY; AND,

AN AUTHORIZED SPEED LIMIT OF 45 MPH OR GREATER THAT IS IN EFFECT AT THE TIME OF THE OPERATION; AND,

AADT OF 50,000 (OR AADT OF 30,000 WITH 25% OR HIGHER PERCENT TRUCKS)

IN GENERAL, LEOS SHOULD BE POSITIONED IN ADVANCE OF AND ON THE SAME SIDE AS THE LANE RESTRICTION (OR AT THE POINT OF ROAD CLOSURE), AND TO MANUALLY CONTROL TRAFFIC MOVEMENTS THROUGH SIGNALIZED INTERSECTIONS AND/OR IN CONTRARY TO OTHER TRAFFIC CONTROL DEVICES IN WORK ZONES.

LEOS SHOULD NOT FORGO THEIR TRAFFIC CONTROL RESPONSIBILITIES TO APPREHEND MOTORISTS FOR ROUTINE TRAFFIC VIOLATIONS. HOWEVER, IF A MOTORIST’S ACTIONS ARE CONSIDERED TO BE RECKLESS, THEN PURSUIT OF THE MOTORIST IS APPROPRIATE.

THE LEOS WORK AT THE DIRECTION OF THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR SECURING THE SERVICES OF THE LEOS WITH THE APPROPRIATE AGENCIES AND COMMUNICATING THE INTENTIONS OF THE PLANS WITH RESPECT TO DUTIES OF THE LEOS. THE ENGINEER SHALL HAVE FINAL CONTROL OVER THE LEOS’ DUTIES AND PLACEMENT AND WILL RESOLVE ANY ISSUES THAT MAY ARISE BETWEEN THE TWO PARTIES.

ENSURE PROVIDED LEOS HAVE BEEN TRAINED APPROPRIATE TO THE JOB DECISIONS THEY ARE REQUIRED TO MAKE WHILE ON THE PROJECT, IN ACCORDANCE WITH C&MS 614.03.

THE LEO SHALL REPORT IN TO THE CONTRACTOR PRIOR TO THE START OF THE SHIFT, IN ORDER TO RECEIVE INSTRUCTIONS REGARDING SPECIFIC WORK ASSIGNMENTS DURING HIS/HER SHIFT. THE LEO IS EXPECTED TO STAY AT THE PROJECT SITE FOR THE ENTIRE DURATION OF HIS/HER SHIFT. THE LEO SHALL REPORT TO THE CONTRACTOR AT THE END OF HIS/HER SHIFT. SHOULD IT BE NECESSARY TO LEAVE THE PROJECT SITE, THE LEO SHALL NOTIFY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE THE LEO WITH A TWO-WAY COMMUNICATION DEVICE THAT SHALL BE RETURNED TO THE CONTRACTOR AT THE END OF HIS/HER SHIFT.

LEOS (WITH PATROL CAR) REQUIRED BY THE TRAFFIC MAINTENANCE TASKS ABOVE SHALL BE PAID FOR ON A UNIT PRICE (HOURLY) BASIS UNDER ITEM 614, LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	200 HOURS
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THE HOURS PAID SHALL INCLUDE ANY MINIMUM SHOW-UP TIME REQUIRED BY THE LAW ENFORCEMENT AGENCY INVOLVED.

ANY ADDITIONAL COSTS (ADMINISTRATIVE OR OTHERWISE) INCURRED BY THE CONTRACTOR TO OBTAIN THE SERVICES OF AN LEO ARE INCLUDED WITH THE BID UNIT PRICE FOR ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE.

SHEET NUMBER			PART. 01/IMS	ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
5	6	8							
								EROSION CONTROL	
			5,000	832	30000	5,000	EACH	EROSION CONTROL	
								STRUCTURE REPAIR ASD-71-0416 (SFN: 0302465)	
		190	190	509	10001	190	LB	EPOXY COATED STEEL REINFORCEMENT, AS PER PLAN	4
		6	6	511	41010	6	CY	CLASS QC1 CONCRETE, PIER ABOVE FOOTINGS	
		99	99	512	10100	99	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
		61	61	512	74000	61	SY	REMOVAL OF EXISTING COATINGS FROM CONCRETE SURFACES	
								STRUCTURE REPAIR ASD-71-0637 (SFN:0302643)	
		184	184	509	10001	184	LB	EPOXY COATED STEEL REINFORCEMENT, AS PER PLAN	4
		6	6	511	41010	6	CY	CLASS QC1 CONCRETE, PIER ABOVE FOOTINGS	
		41	41	512	10100	41	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
		16	16	519	11100	16	SF	PATCHING CONCRETE STRUCTURE	
		40	40	844	20000	40	EACH	GALVANIC ANODE PROTECTION	
								STRUCTURE REPAIR ASD-71-0756 (SFN:0302708)	
		93	93	509	10001	93	LB	EPOXY COATED STEEL REINFORCEMENT, AS PER PLAN	4
		3	3	511	41010	3	CY	CLASS QC1 CONCRETE, PIER ABOVE FOOTINGS	
		38	38	512	10100	38	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
		19	19	512	74000	19	SY	REMOVAL OF EXISTING COATINGS FROM CONCRETE SURFACES	
								STRUCTURE REPAIR ASD-71-1111 (SFN:0303097)	
		105	105	509	10001	105	LB	EPOXY COATED STEEL REINFORCEMENT, AS PER PLAN	4
		4	4	511	41010	4	CY	CLASS QC1 CONCRETE, PIER ABOVE FOOTINGS	
		23	23	512	10100	23	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
		6	6	519	11100	6	SF	PATCHING CONCRETE STRUCTURE	
		16	16	844	20000	16	EACH	GALVANIC ANODE PROTECTION	
								STRUCTURE REPAIR ASD-71-1190 (SFN:0303127)	
		299	299	509	10001	299	LB	EPOXY COATED STEEL REINFORCEMENT, AS PER PLAN	4
		9	9	511	41010	9	CY	CLASS QC1 CONCRETE, PIER ABOVE FOOTINGS	
		89	89	512	10100	89	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
		21	21	512	74000	21	SY	REMOVAL OF EXISTING COATINGS FROM CONCRETE SURFACES	
		22	22	519	11100	22	SF	PATCHING CONCRETE STRUCTURE	
		29	29	844	20000	29	EACH	GALVANIC ANODE PROTECTION	
								STRUCTURE REPAIR WAY-71-0368 (SFN:8503125)	
		3	3	202	11301	3	CY	PORTIONS OF STRUCTURE REMOVED, AS PER PLAN	4
		368	368	509	10001	368	LB	EPOXY COATED STEEL REINFORCEMENT, AS PER PLAN	4
		12	12	511	41010	12	CY	CLASS QC1 CONCRETE, PIER ABOVE FOOTINGS	
		76	76	512	10100	76	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
								STRUCTURE REPAIR WAY-71-0508 (SFN:8503184)	
		3	3	202	11301	3	CY	PORTIONS OF STRUCTURE REMOVED, AS PER PLAN	4
		96	96	509	10001	96	LB	EPOXY COATED STEEL REINFORCEMENT, AS PER PLAN	4
		3	3	511	41010	3	CY	CLASS QC1 CONCRETE, PIER ABOVE FOOTINGS	
		54	54	512	10100	54	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
		30	30	512	74000	30	SY	REMOVAL OF EXISTING COATINGS FROM CONCRETE SURFACES	
		18	18	519	11100	18	SF	PATCHING CONCRETE STRUCTURE	
		44	44	844	20000	44	EACH	GALVANIC ANODE PROTECTION	
								MAINTENANCE OF TRAFFIC	
2	200		200	614	11110	200	hour	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	5
			2	614	18601	2	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN	
								INCIDENTALS	
			LS	614	11000	LS		MAINTAINING TRAFFIC	
			LS	624	10000	LS		MOBILIZATION	

GENERAL SUMMARY

DESIGN AGENCY
DISTRICT 3



ENGINEERING
TEAM ONE

DESIGNER
ERC

REVIEWER
ACM 06/10/26

PROJECT ID
112294

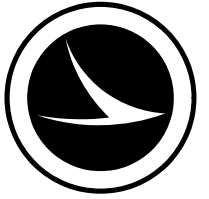
SHEET | TOTAL
P.07 | 22

ITEM	QUANTITY								UNIT	DESCRIPTION
	0302465	0302643	0302708	0303097	0303127	8503125	8503184	TOTALS		
202E11301						3	3	6	CY	PORTIONS OF STRUCTURE REMOVED, AS PER PLAN
509E10001	190	184	93	105	299	368	96	1335	LB	EPOXY COATED STEEL REINFORCEMENT, AS PER PLAN
511E41010	6	6	3	4	9	12	3	43	CY	CLASS QC1 CONCRETE, PIER ABOVE FOOTINGS, AS PER PLAN
512E10100	99	41	38	23	89	76	54	420	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)
512E74000	61		19		21		30	131	SY	REMOVAL OF EXISTING COATINGS FROM CONCRETE SURFACES
519E11100		16		6	22		18	62	SF	PATCHING CONCRETE STRUCTURE
844E20000		40		16	29		44	129	EA	GALVANIC ANODE PROTECTION

ALL QUANTITIES CARRIED TO GENERAL SUMMARY

STRUCTURES SUBSUMMARY

DESIGN AGENCY
DISTRICT 3



ENGINEERING
TEAM ONE

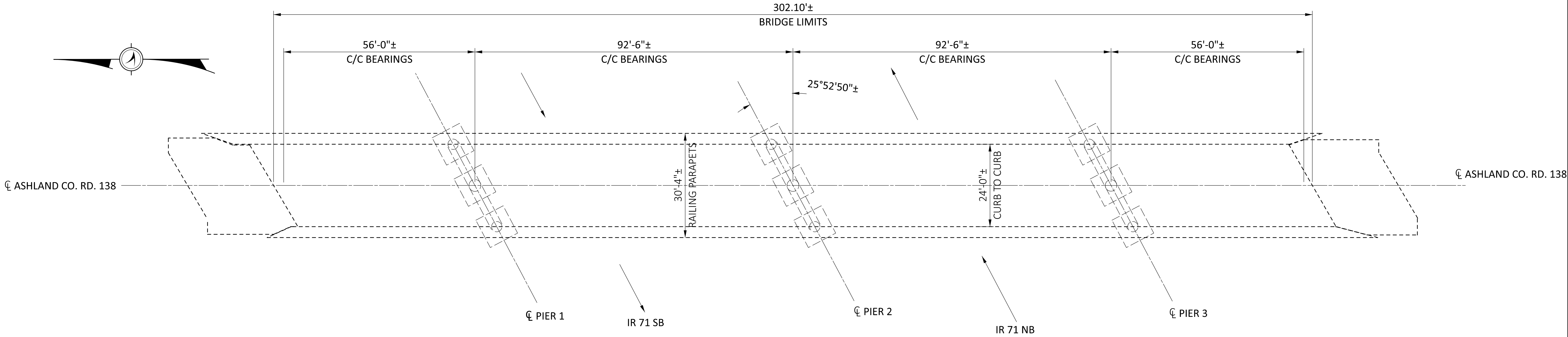
DESIGNER
ERC

REVIEWER
ACM 06/10/26

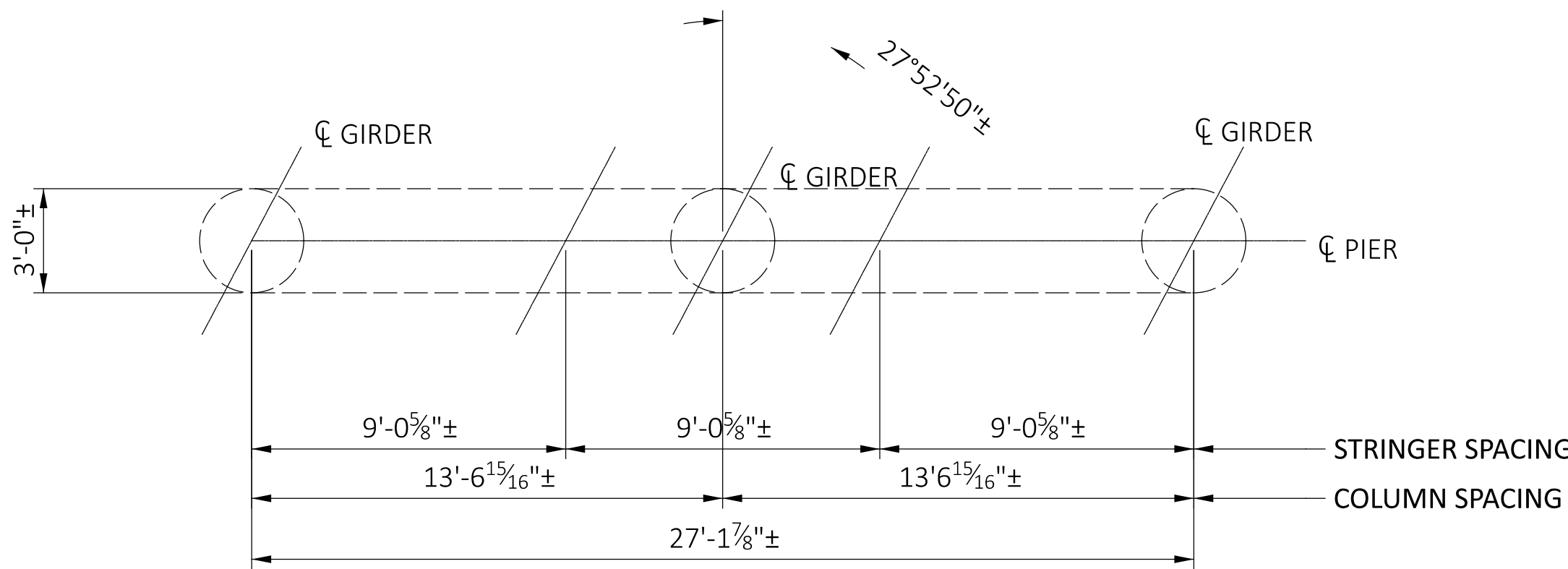
PROJECT ID
112294

SHEET
P.08

TOTAL
22

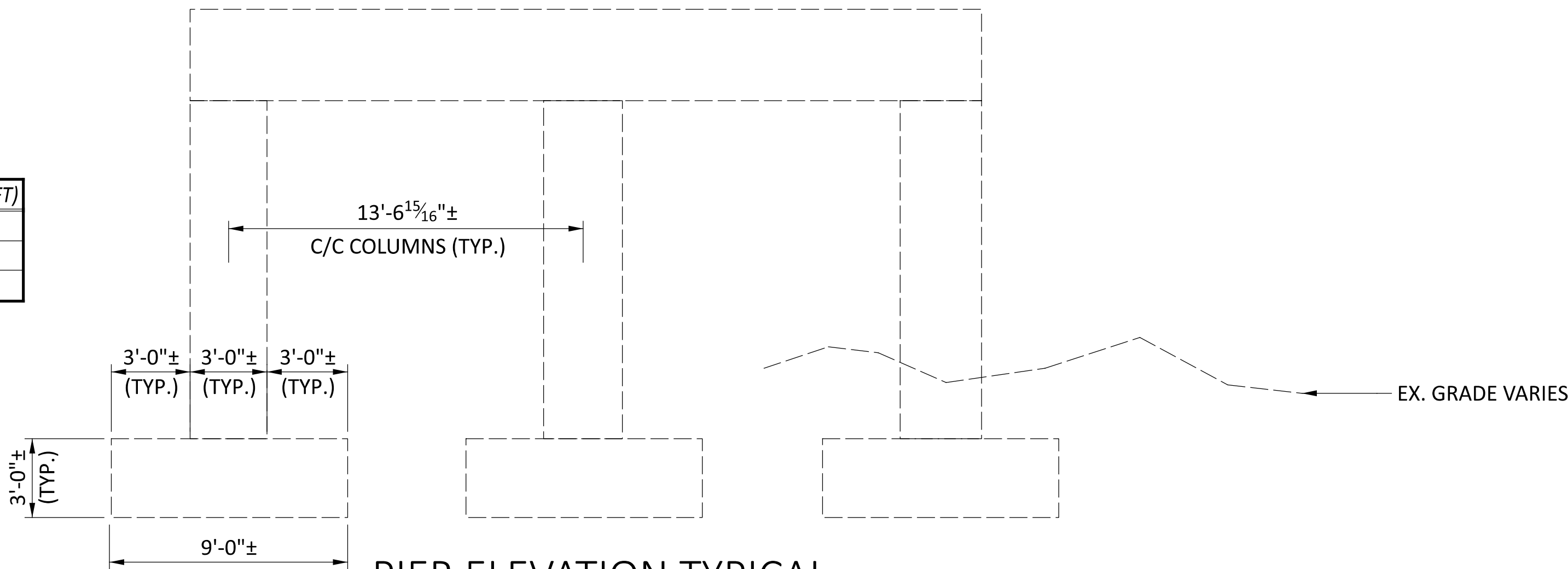


PLAN VIEW

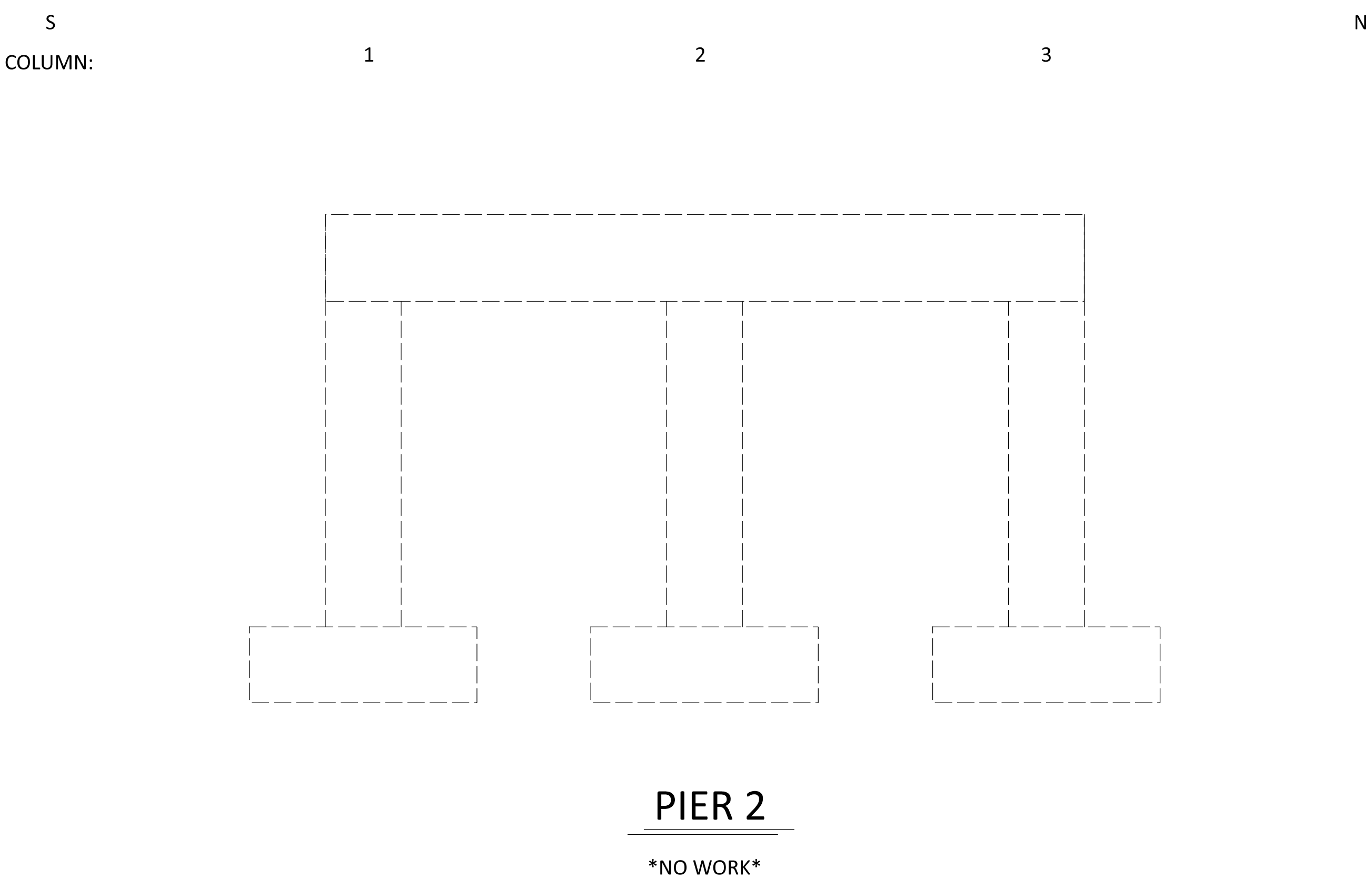
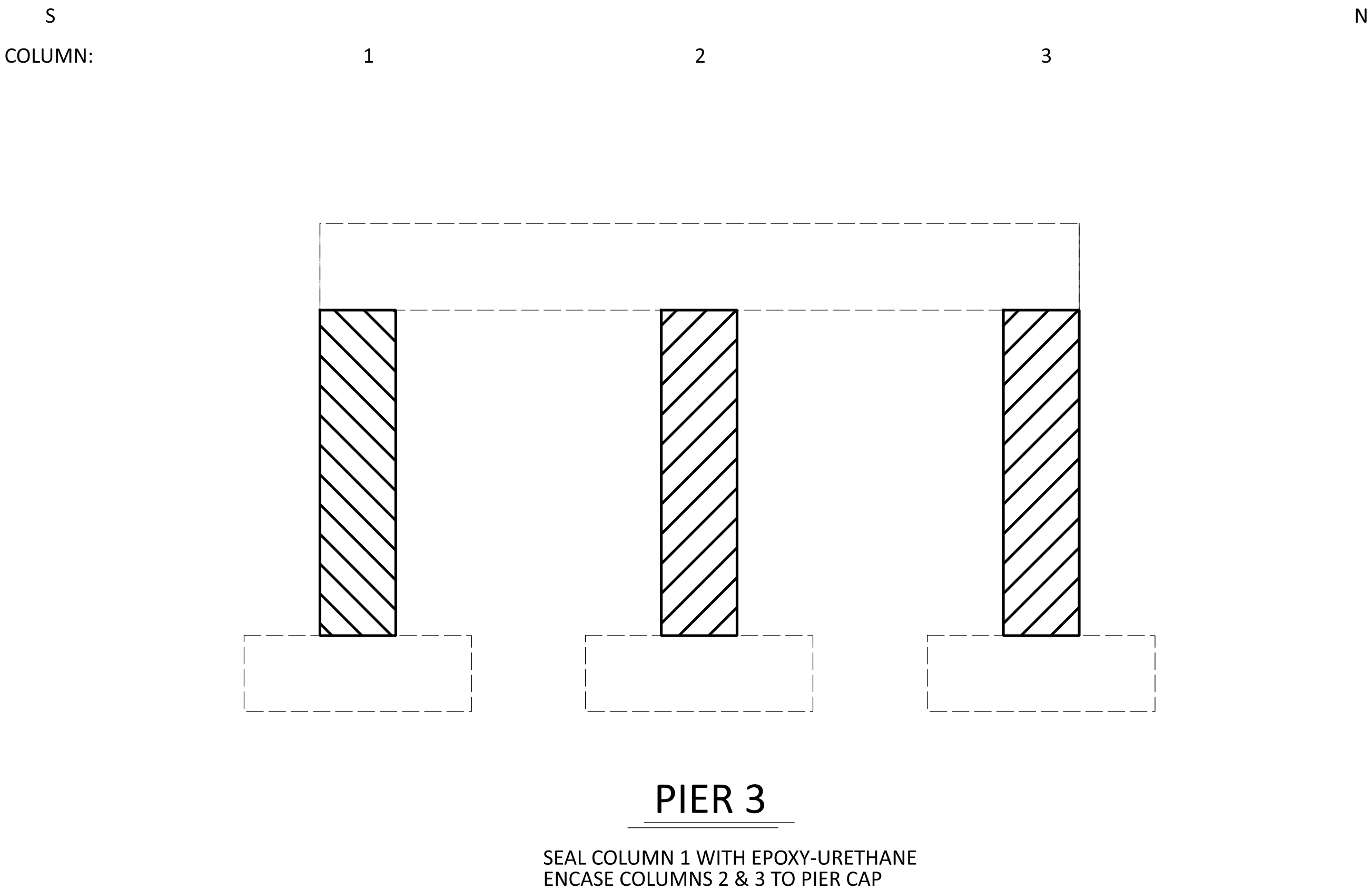
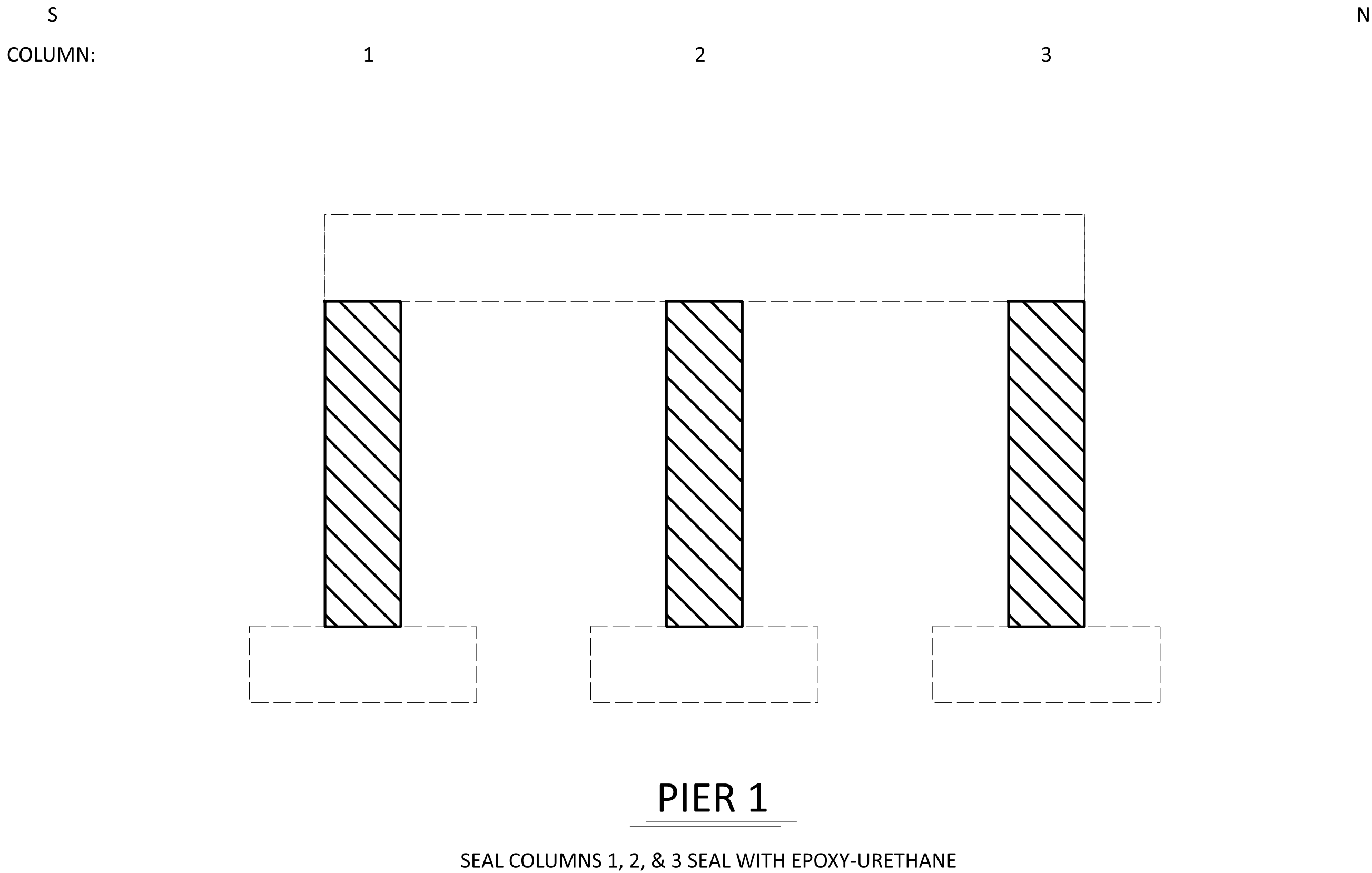


PIER CAP TYPICAL

COLUMN HEIGHTS (FT)	
PIER #1	18.00
PIER #2	18.00
PIER #3	19.69



PIER ELEVATION TYPICAL

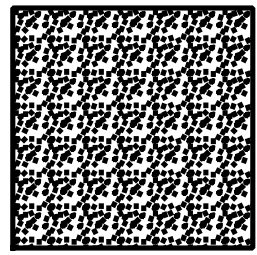


STRUCTURE SUBSUMMARY

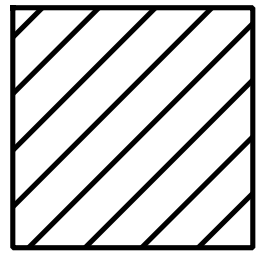
ITEM	QUANTITY	UNIT	DESCRIPTION
509E10001	190	LB	EPOXY COATED STEEL REINFORCEMENT, AS PER PLAN
511E41010	6	CY	CLASS QC1 CONCRETE, PIER ABOVE FOOTINGS, AS PER PLAN
512E10100	99	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)
512E74000	61	SY	REMOVAL OF EXISTING COATINGS FROM CONCRETE SURFACES

ALL QUANTITIES CARRIED TO STRUCTURE SUBSUMMARY

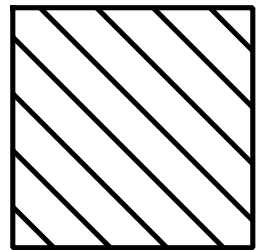
LEGEND



- COLUMN PATCHING
ITEM 519 - PATCHING CONCRETE STRUCTURE
ITEM 844 - GALVANIC ANODE PROTECTION



- COLUMN ENCASEMENT
ITEM 202 - PORTIONS OF STRUCTURE REMOVED, AS PER PLAN
ITEM 509 - EPOXY COATED STEEL REINFORCEMENT, AS PER PLAN
ITEM 511 - CLASS QC1 CONCRETE, PIER ABOVE FOOTINGS, AS PER PLAN

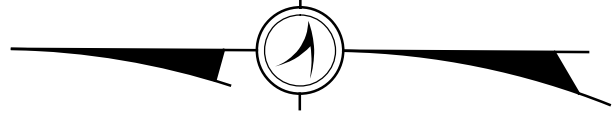


- COLUMN SEALING
ITEM 512 - REMOVAL OF EXISTING COATINGS FROM CONCRETE SURFACES
ITEM 512 - SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)

NOTE:
*ALL REPAIR LOCATIONS ARE APROXIMATE AND ARE TO BE FIELD VERIFIED BY ENGINEER BEFORE PERFORMING WORK
*SEE STRUCTURE SECTION OF GENERAL NOTES FOR MORE INFORMATION ON ITEMS
* ALL NUMBERING/NAMING CONVENTIONS OF STRUCTURES ARE REFERENCED FROM DOWN-TO-UP STATION AND FROM LEFT-TO-RIGHT USING IR 71 AS THE POINT OF REFERENCE
*READ COLUMN WORK DESCRIPTION TO DETERMINE IF EXISTING ENCASEMENT OR COATING NEEDS REMOVED

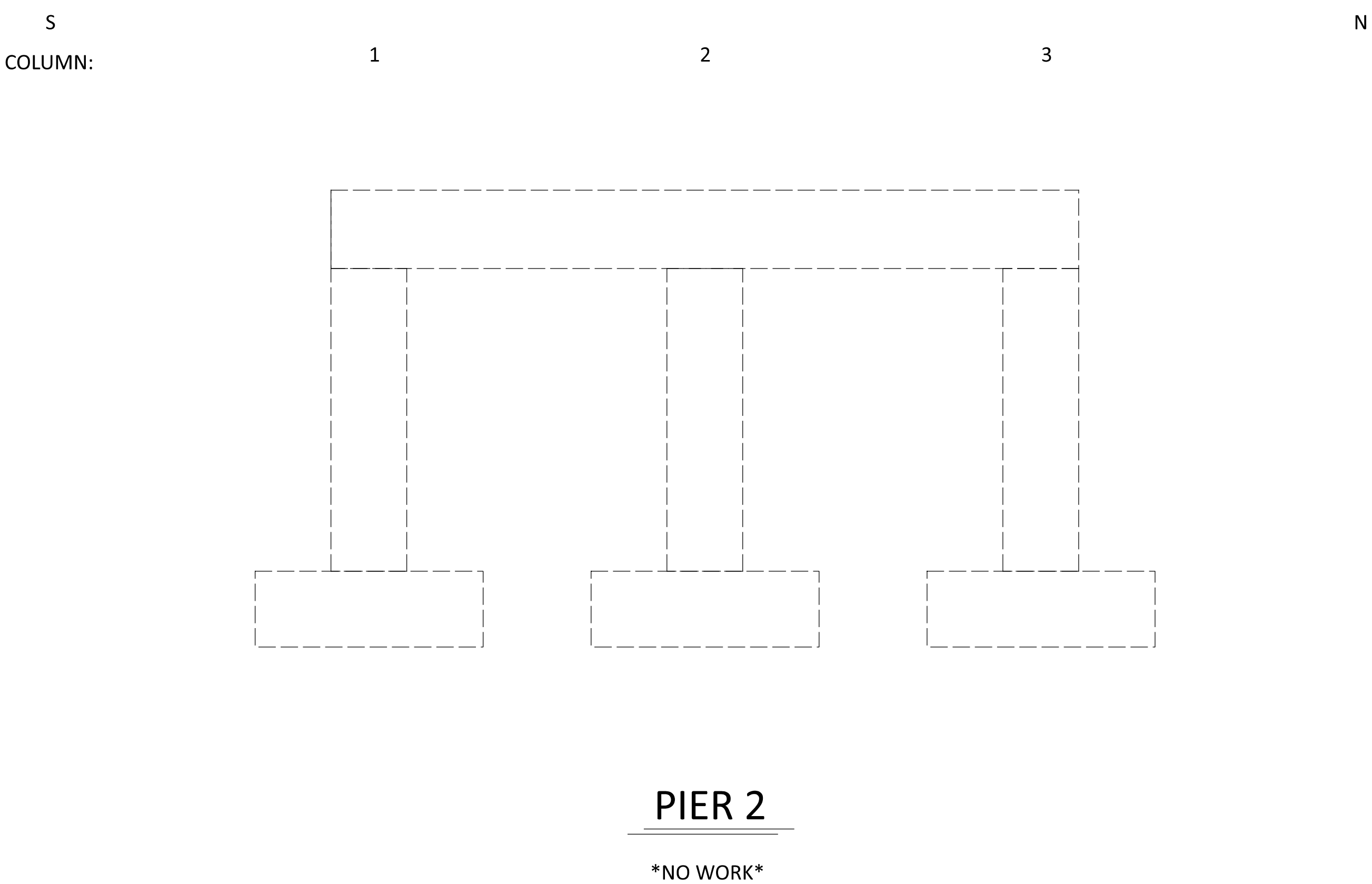
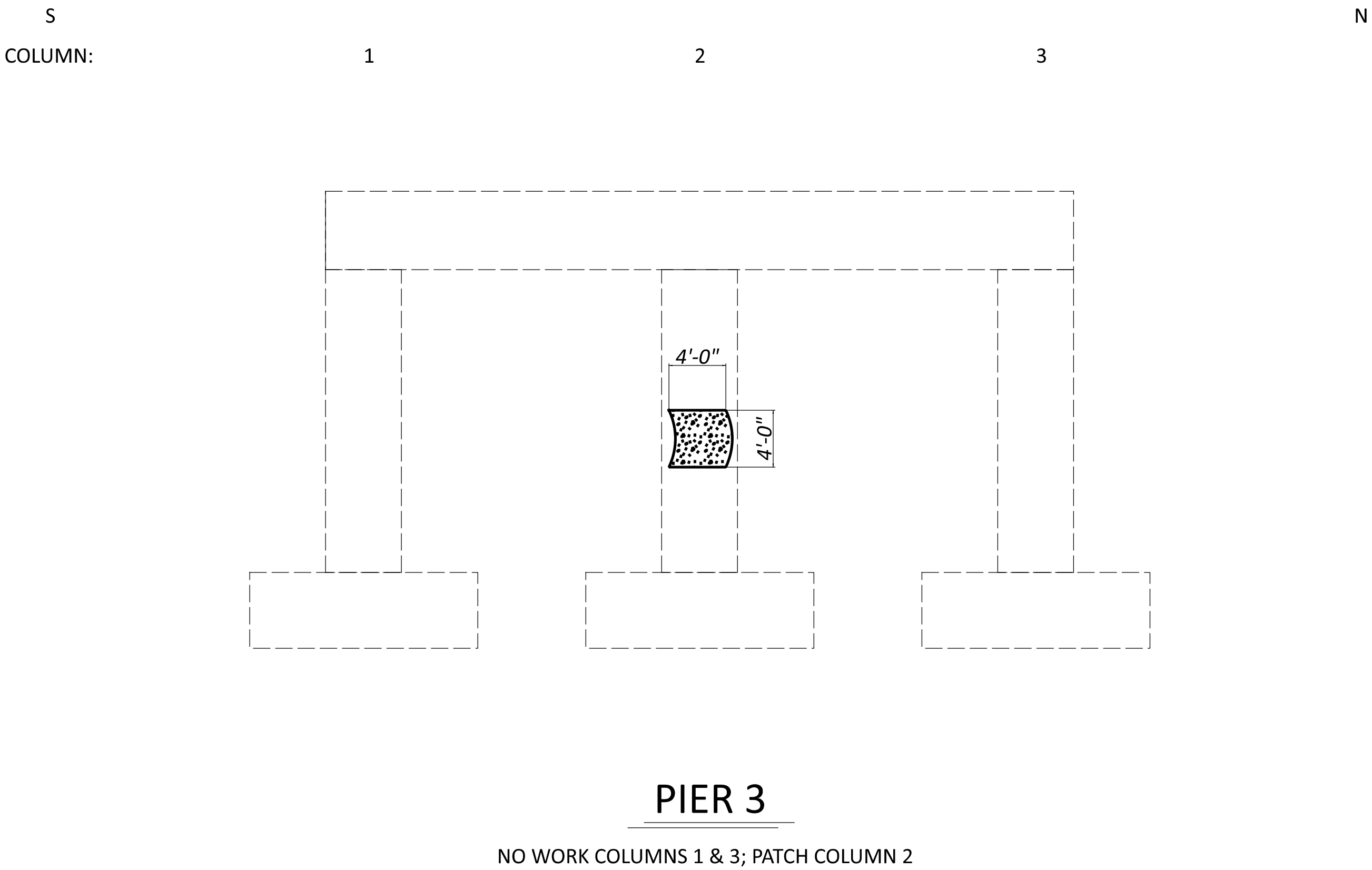
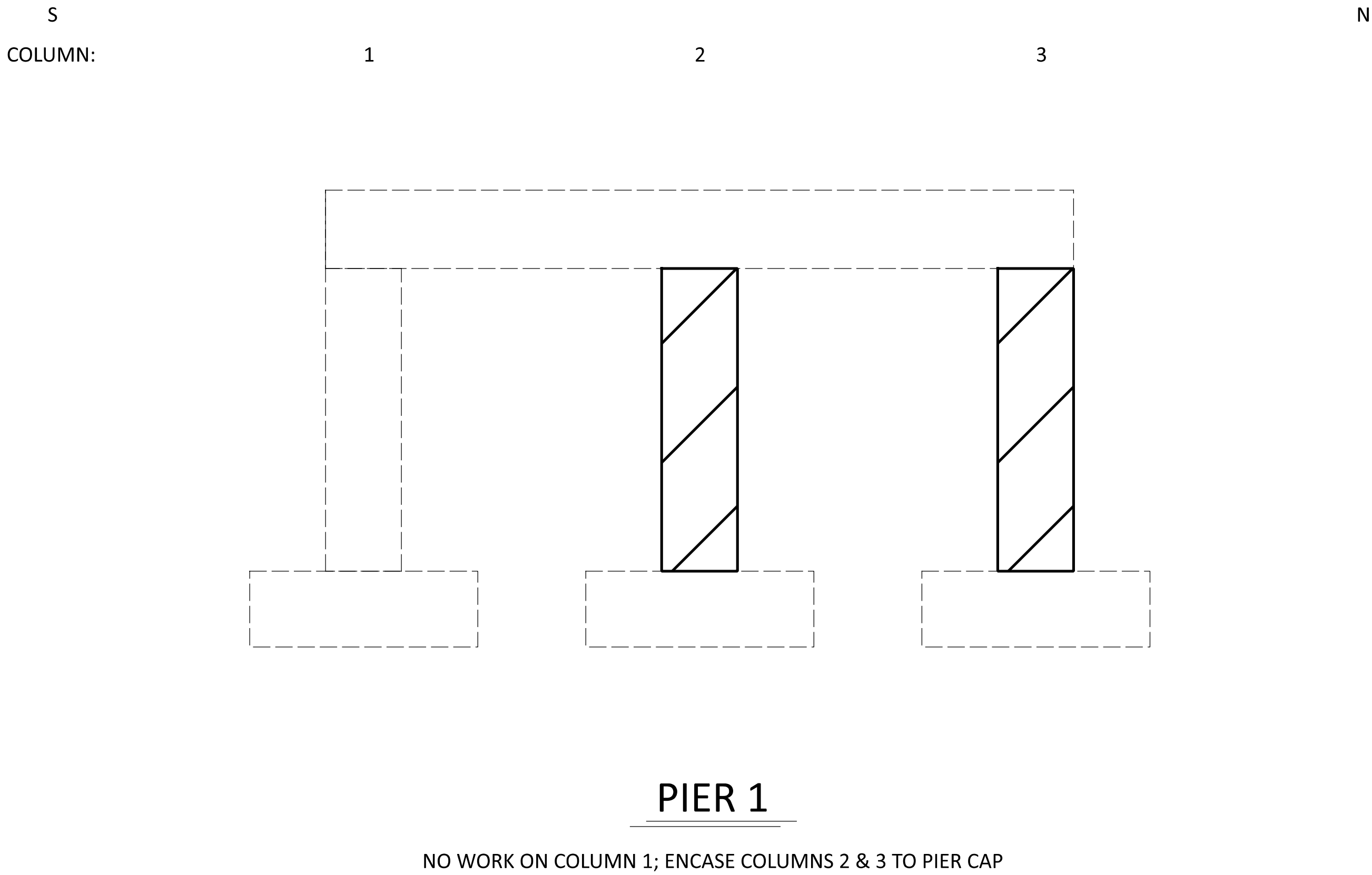
STRUCTURE REPAIR
ASD-CR-995-1.739
OVER ASD-71-4.16

SFN	
0302465	
DESIGN AGENCY	
DISTRICT 3	
ENGINEERING TEAM ONE	
DESIGNER	CHECKER
ERC	KAK
REVIEWER	
ACM 06/10/26	
PROJECT ID	
112294	
SUBSET	TOTAL
2	2
SHEET	TOTAL
P.10	22



COLUMN HEIGHTS (FT)	
PIER #1	14.28
PIER #2	18.64
PIER #3	16.86



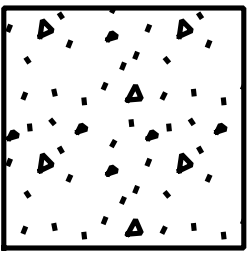


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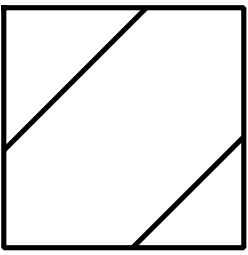
ITEM	QUANTITY	UNIT	DESCRIPTION
509E10001	184	LB	EPOXY COATED STEEL REINFORCEMENT, AS PER PLAN
511E41010	6	CY	CLASS QC1 CONCRETE, PIER ABOVE FOOTINGS, AS PER PLAN
512E10100	41	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)
519E11100	16	SF	PATCHING CONCRETE STRUCTURE
844E20000	40	EA	GALVANIC ANODE PROTECTION

ALL QUANTITIES CARRIED TO STRUCTURE SUBSUMMARY

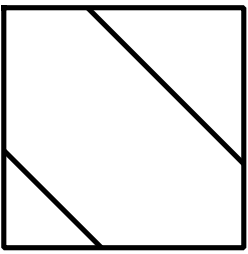
LEGEND



- COLUMN PATCHING
ITEM 519 - PATCHING CONCRETE STRUCTURE
ITEM 844 - GALVANIC ANODE PROTECTION



- COLUMN ENCASEMENT
ITEM 202 - PORTIONS OF STRUCTURE REMOVED, AS PER PLAN
ITEM 509 - EPOXY COATED STEEL REINFORCEMENT, AS PER PLAN
ITEM 511 - CLASS QC1 CONCRETE, PIER ABOVE FOOTINGS, AS PER PLAN

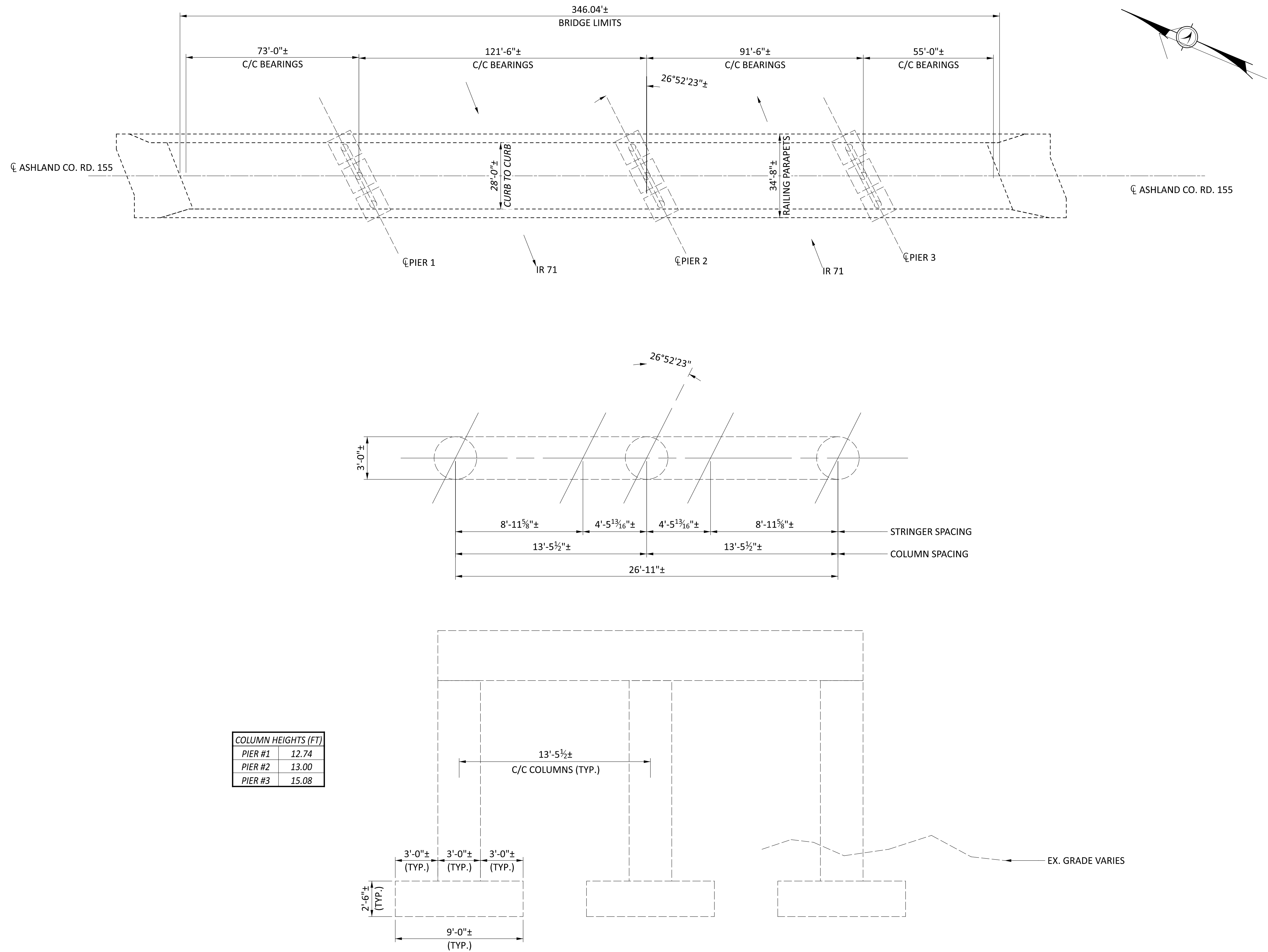


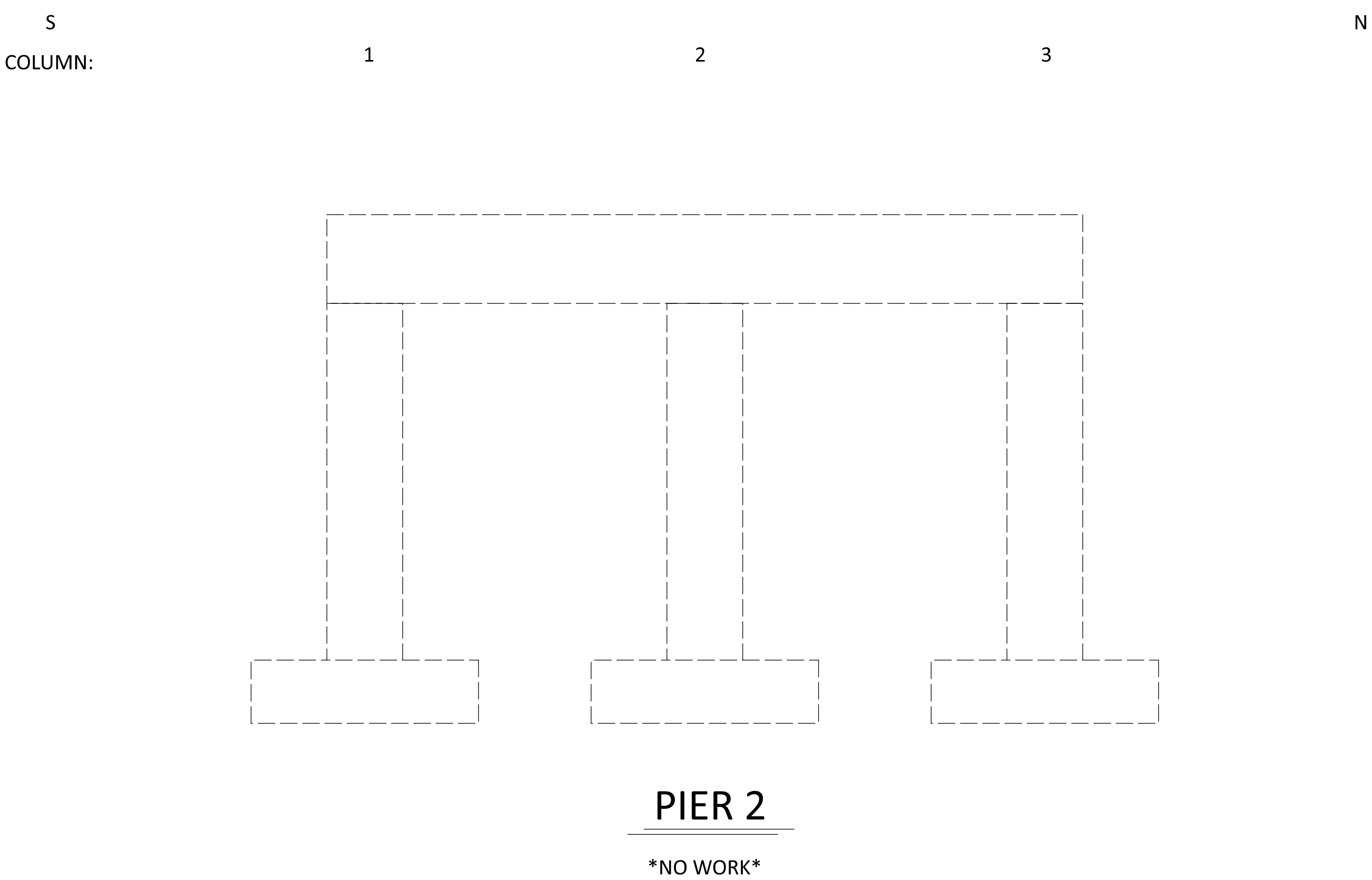
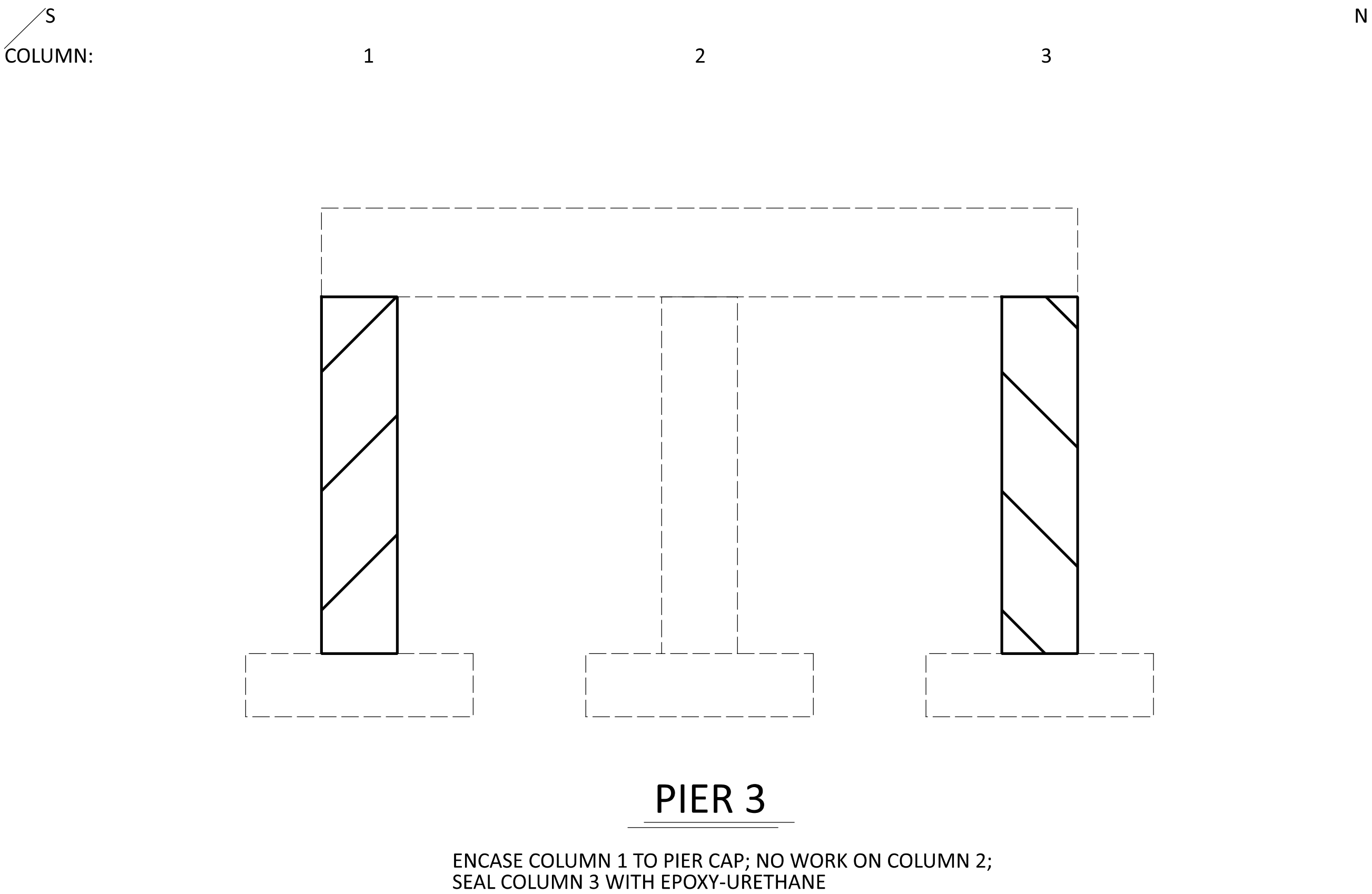
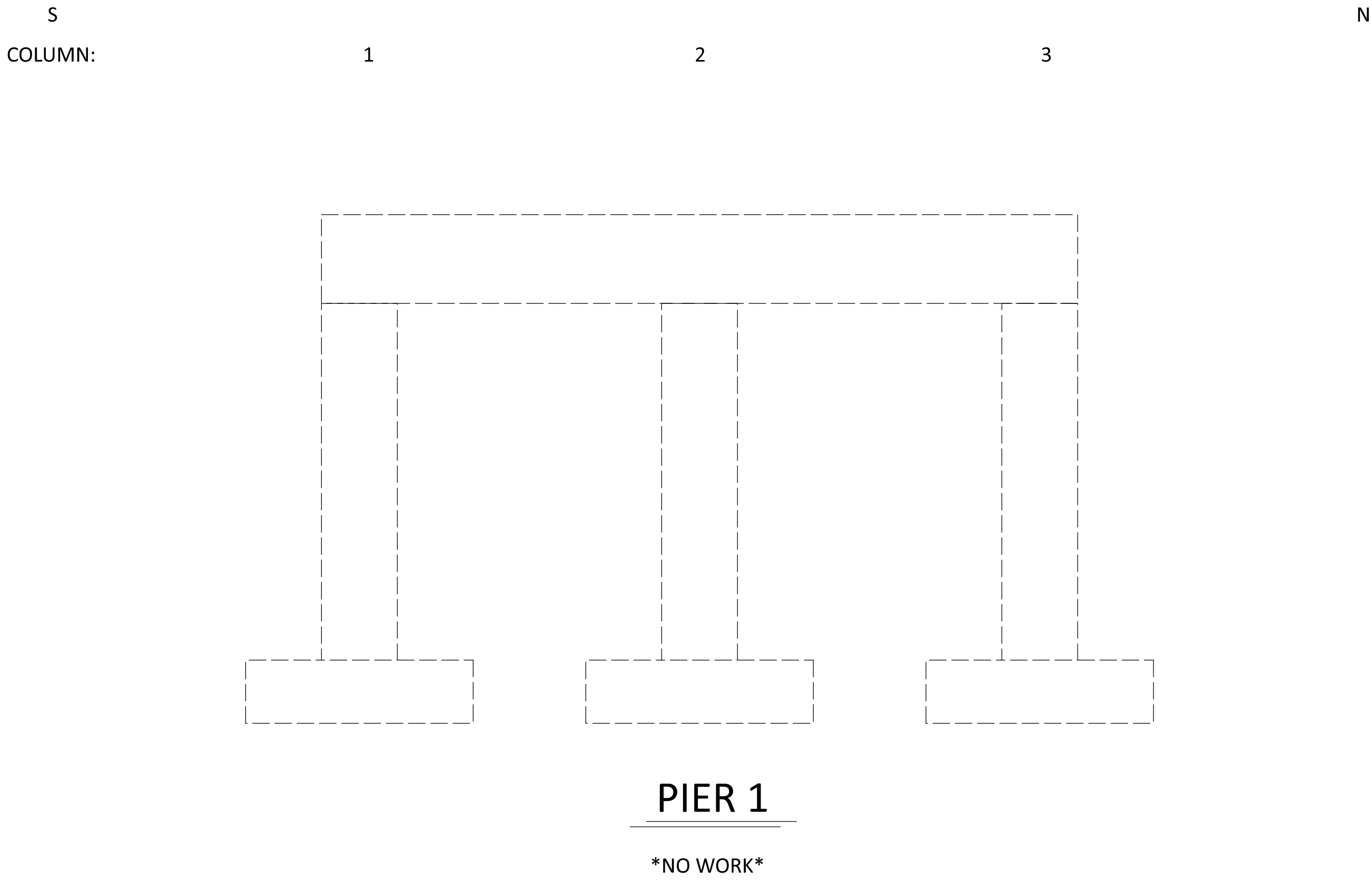
- COLUMN SEALING
ITEM 512 - REMOVAL OF EXISTING COATINGS FROM CONCRETE SURFACES
ITEM 512 - SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)

NOTE:
*ALL REPAIR LOCATIONS ARE APROXIMATE AND ARE TO BE FIELD VERIFIED BY ENGINEER BEFORE PERFORMING WORK
*SEE STRUCTURE SECTION OF GENERAL NOTES FOR MORE INFORMATION ON ITEMS
* ALL NUMBERING/NAMING CONVENTIONS OF STRUCTURES ARE REFERENCED FROM DOWN-TO-UP STATION AND FROM LEFT-TO-RIGHT USING IR 71 AS THE POINT OF REFERENCE
*READ COLUMN WORK DESCRIPTION TO DETERMINE IF EXISTING ENCASEMENT OR COATING NEEDS REMOVED

STRUCTURE REPAIR
ASD-TR-805-.644
OVER ASD-71-6.37

SFN		0302643
DESIGN AGENCY		DISTRICT 3
		ENGINEERING TEAM ONE
DESIGNER	CHECKER	
ERC	KAK	
REVIEWER		ACM 06/10/26
PROJECT ID		112294
SUBSET	TOTAL	
2	2	
SHEET	TOTAL	
P.12	22	



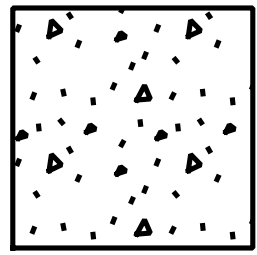


STRUCTURE SUBSUMMARY

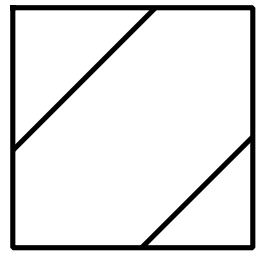
ITEM	QUANTITY	UNIT	DESCRIPTION
509E10001	93	LB	EPOXY COATED STEEL REINFORCEMENT, AS PER PLAN
511E41010	3	CY	CLASS QC1 CONCRETE, PIER ABOVE FOOTINGS, AS PER PLAN
512E10100	38	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)
512E74000	19	SY	REMOVAL OF EXISTING COATINGS FROM CONCRETE SURFACES

ALL QUANTITIES CARRIED TO STRUCTURE SUBSUMMARY

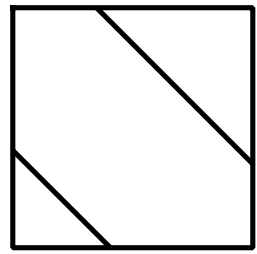
LEGEND



- COLUMN PATCHING
ITEM 519 - PATCHING CONCRETE STRUCTURE
ITEM 844 - GALVANIC ANODE PROTECTION




- COLUMN ENCASEMENT
ITEM 202 - PORTIONS OF STRUCTURE REMOVED, AS PER PLAN
ITEM 509 - EPOXY COATED STEEL REINFORCEMENT, AS PER PLAN
ITEM 511 - CLASS QC1 CONCRETE, PIER ABOVE FOOTINGS, AS PER PLAN

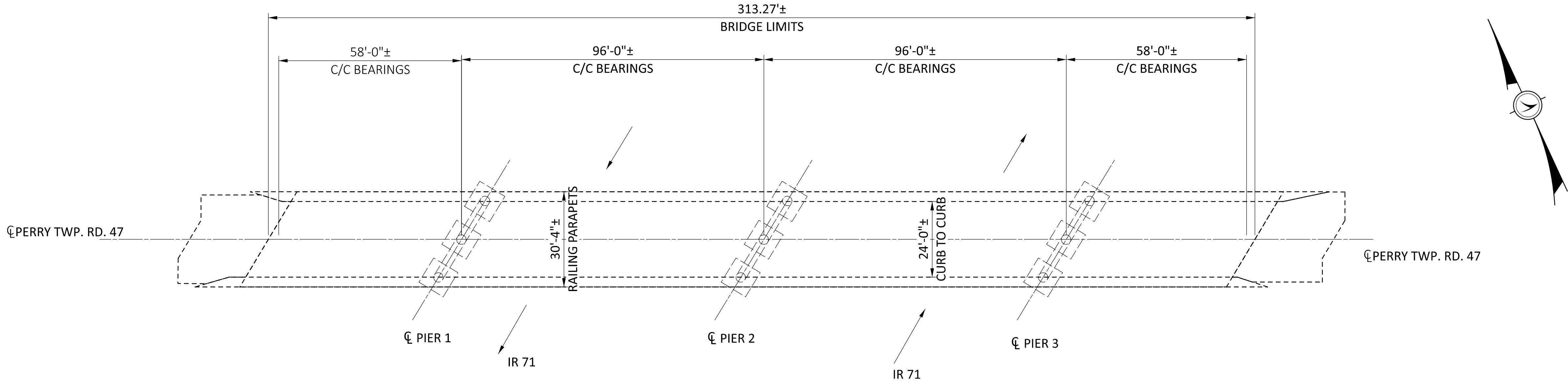


- COLUMN SEALING
ITEM 512 - REMOVAL OF EXISTING COATINGS FROM CONCRETE SURFACES
ITEM 512 - SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)

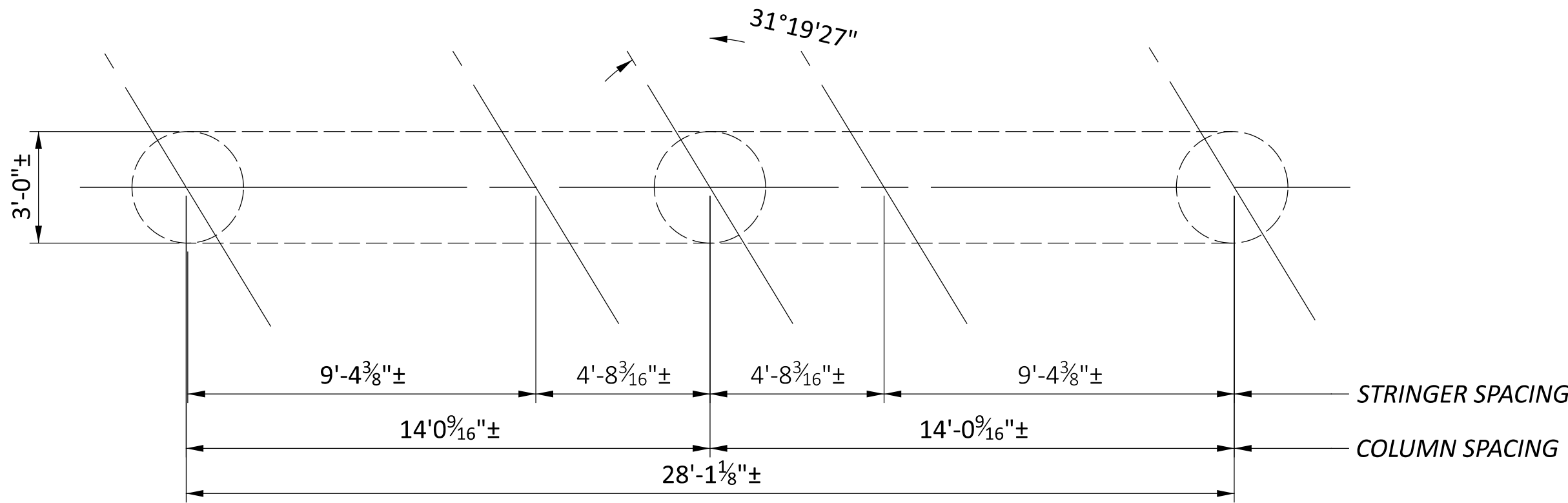
NOTE:
*ALL REPAIR LOCATIONS ARE APROXIMATE AND ARE TO BE FIELD VERIFIED BY ENGINEER BEFORE PERFORMING WORK
*SEE STRUCTURE SECTION OF GENERAL NOTES FOR MORE INFORMATION ON ITEMS
*ALL NUMBERING/NAMING CONVENTIONS OF STRUCTURES ARE REFERENCED FROM DOWN-TO-UP STATION AND FROM LEFT-TO-RIGHT USING IR 71 AS THE POINT OF REFERENCE
*READ COLUMN WORK DESCRIPTION TO DETERMINE IF EXISTING ENCASEMENT OR COATING NEEDS REMOVED

STRUCTURE REPAIR
ASD-CR-1575-2.638
OVER ASD-71-7.57

SFN		0302708
DESIGN AGENCY		DISTRICT 3
		ENGINEERING TEAM ONE
DESIGNER	CHECKER	
ERC	KAK	
REVIEWER		ACM 06/10/26
PROJECT ID		112294
SUBSET	TOTAL	
2	2	
SHEET	TOTAL	
P.14	22	

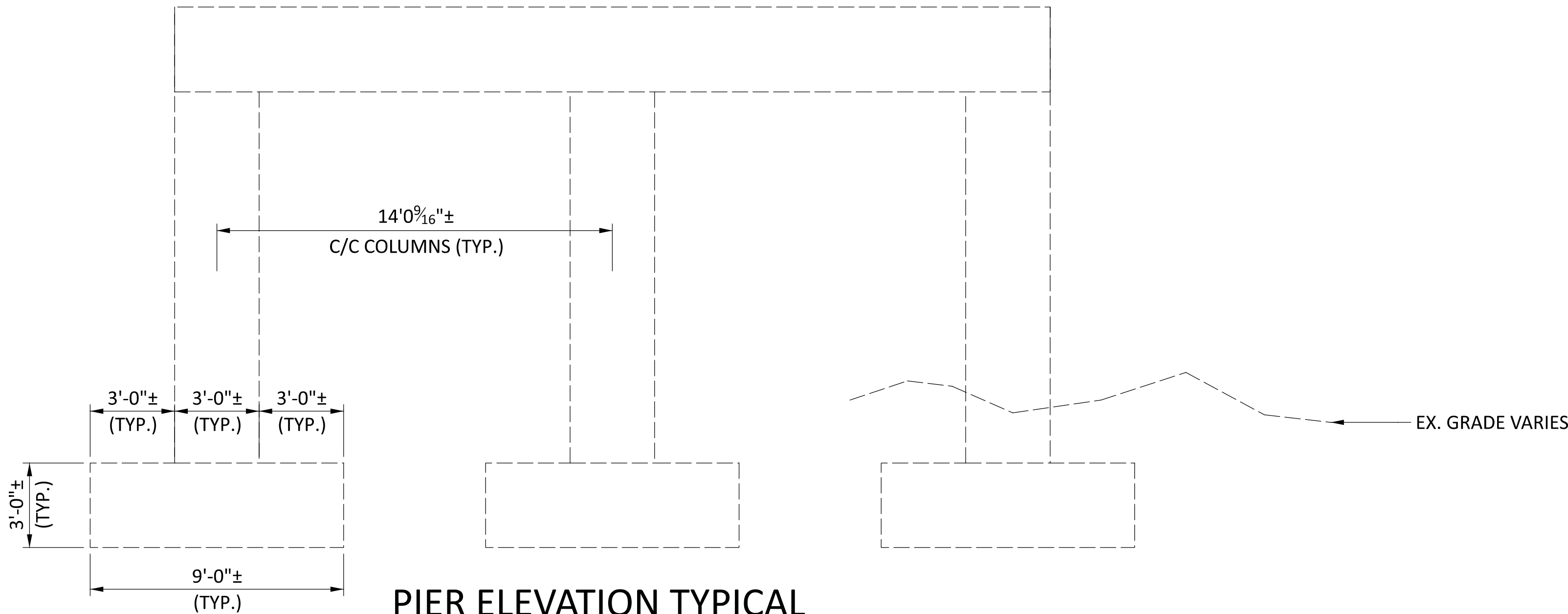


PLAN VIEW

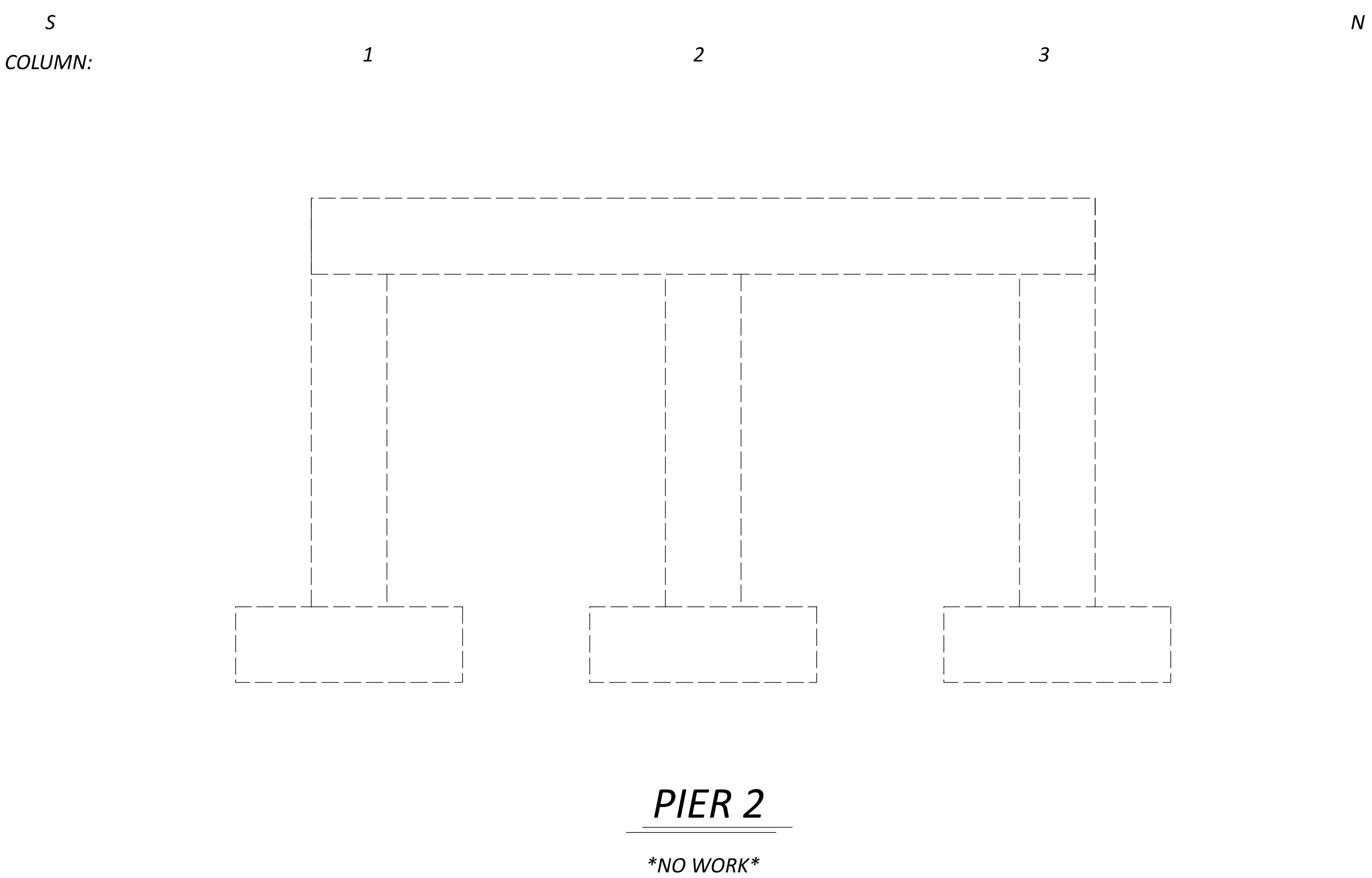
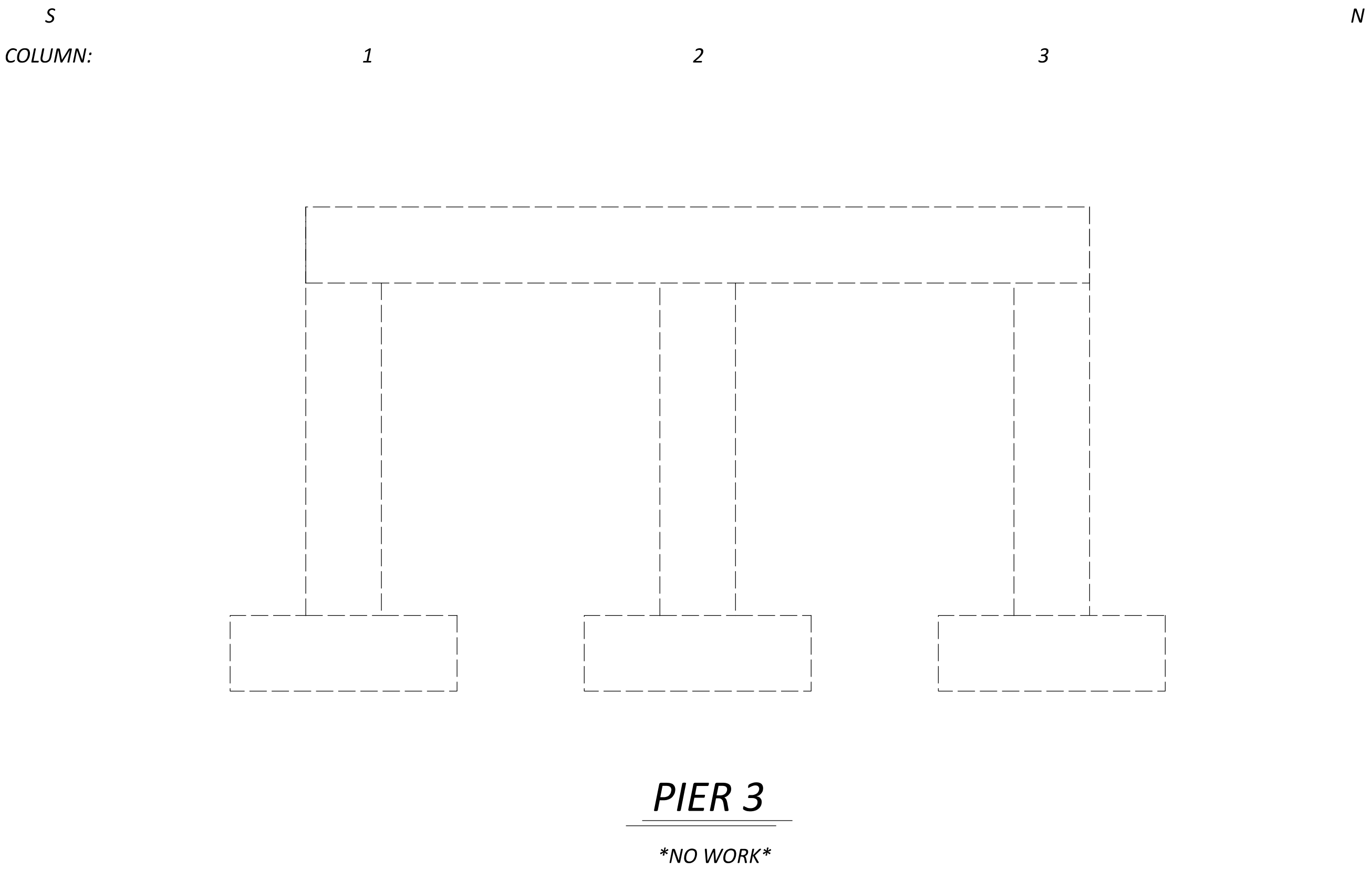
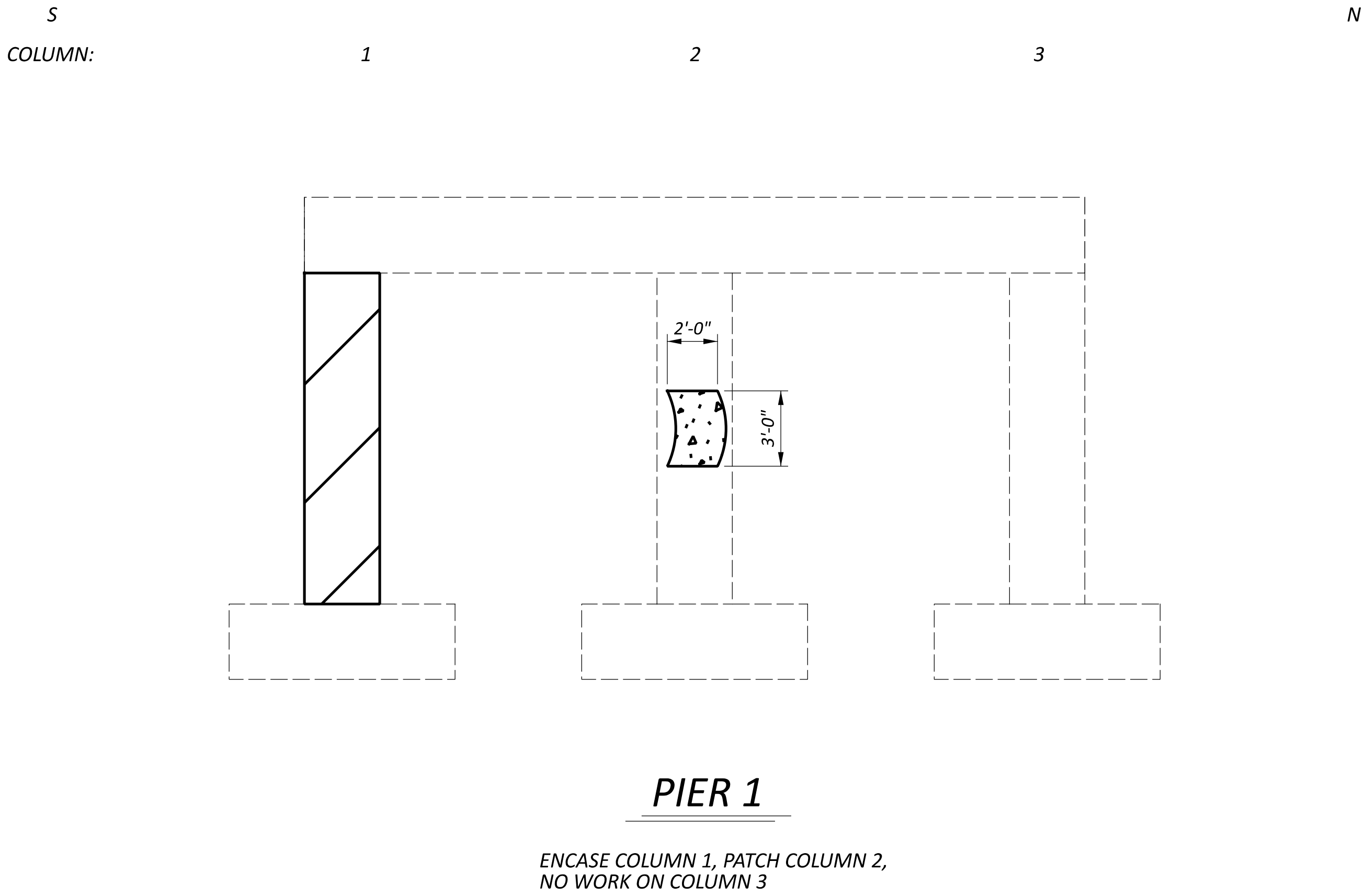


PIER CAP TYPICAL

COLUMN HEIGHTS (FT)	
PIER #1	15.17
PIER #2	15.00
PIER #3	15.82



PIER ELEVATION TYPICAL

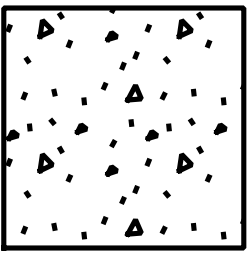


STRUCTURE SUBSUMMARY

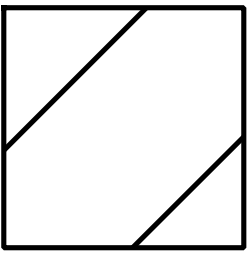
ITEM	QUANTITY	UNIT	DESCRIPTION
509E10001	105	LB	EPOXY COATED STEEL REINFORCEMENT, AS PER PLAN
511E41010	4	CY	CLASS QC1 CONCRETE, PIER ABOVE FOOTINGS, AS PER PLAN
512E10100	23	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)
519E11100	6	SF	PATCHING CONCRETE STRUCTURE
844E20000	16	EA	GALVANIC ANODE PROTECTION

ALL QUANTITIES CARRIED TO STRUCTURE SUBSUMMARY

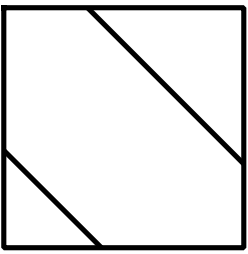
LEGEND



- COLUMN PATCHING
ITEM 519 - PATCHING CONCRETE STRUCTURE
ITEM 844 - GALVANIC ANODE PROTECTION

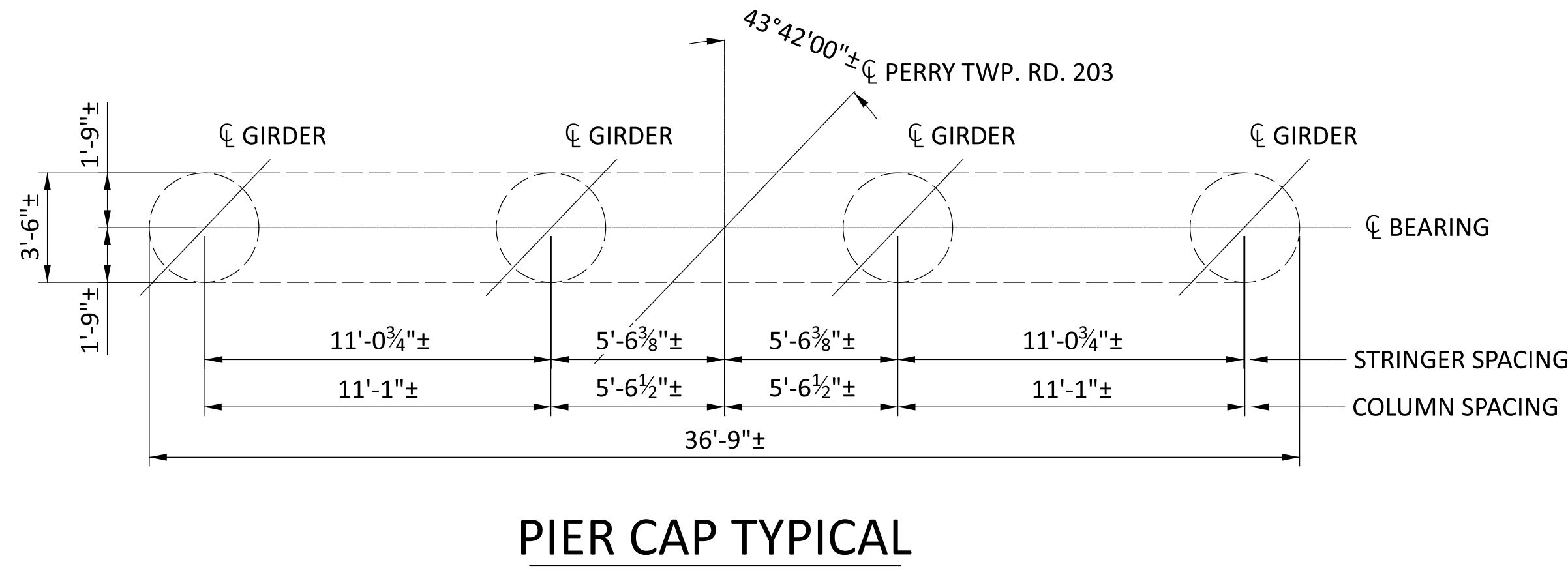
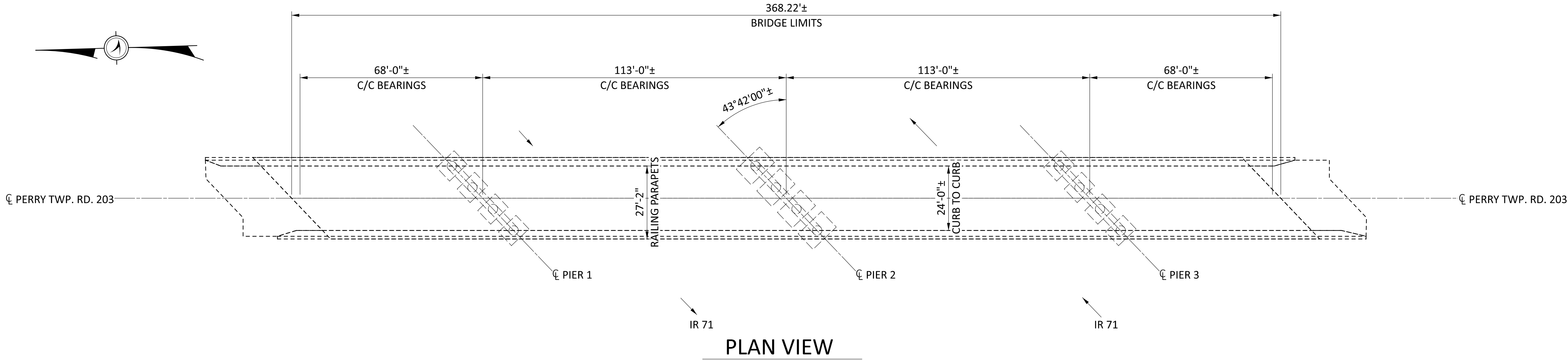


- COLUMN ENCASEMENT
ITEM 202 - PORTIONS OF STRUCTURE REMOVED, AS PER PLAN
ITEM 509 - EPOXY COATED STEEL REINFORCEMENT, AS PER PLAN
ITEM 511 - CLASS QC1 CONCRETE, PIER ABOVE FOOTINGS, AS PER PLAN

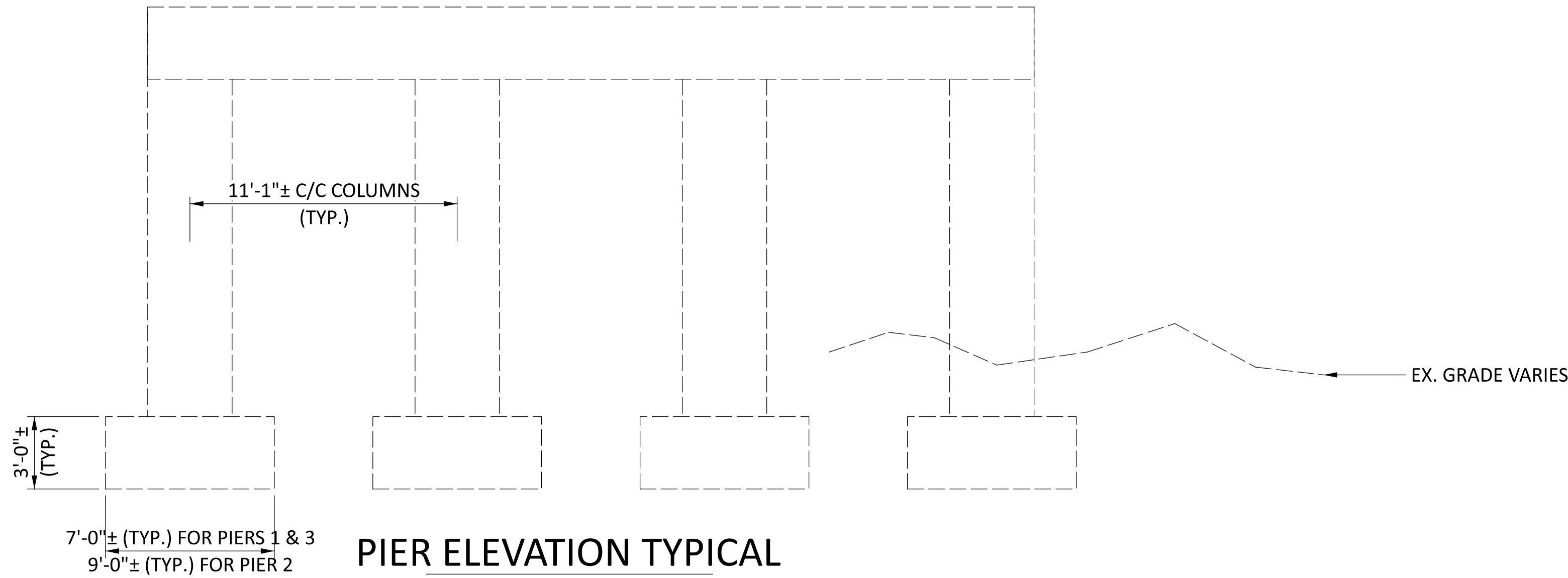


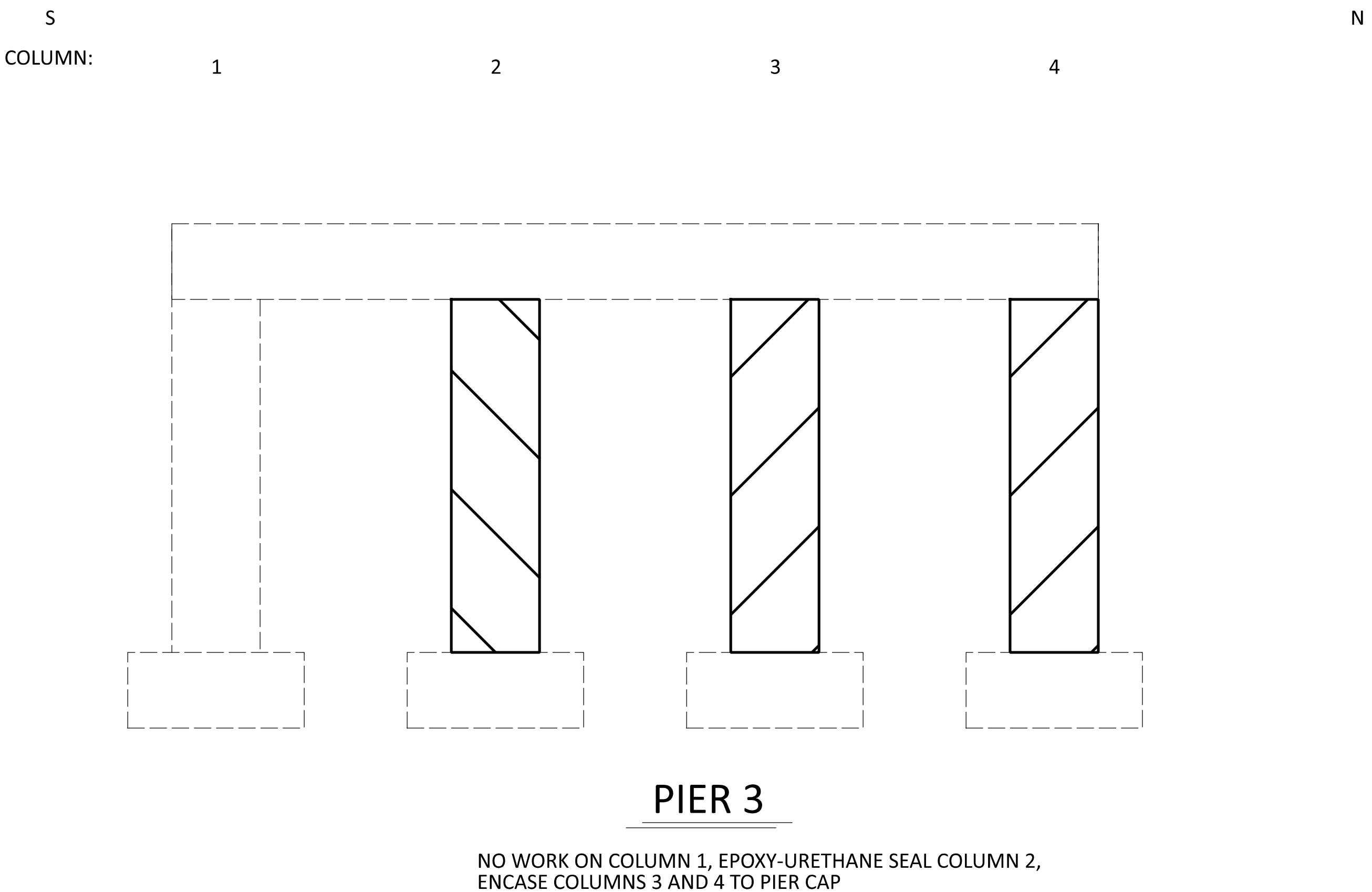
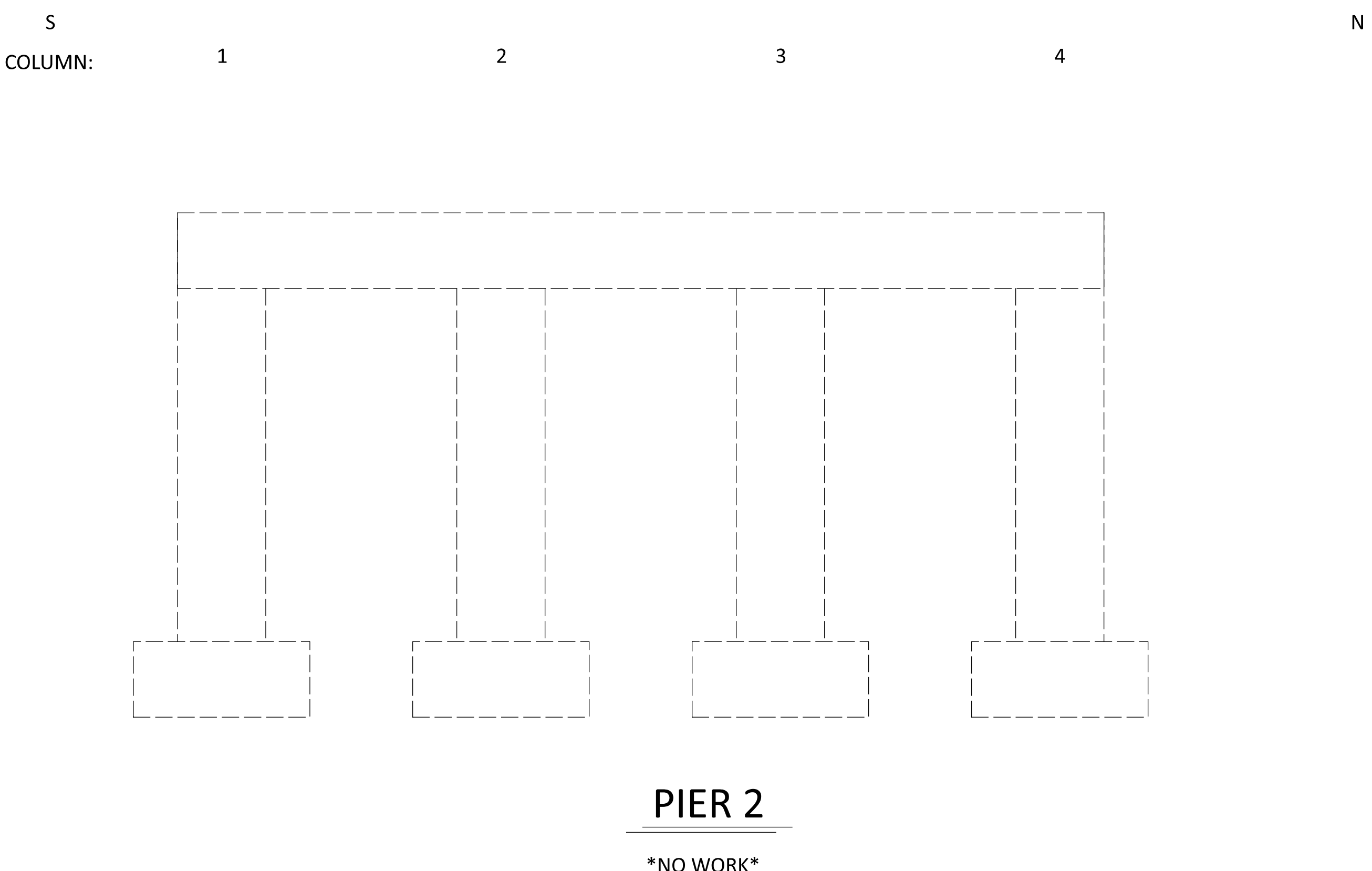
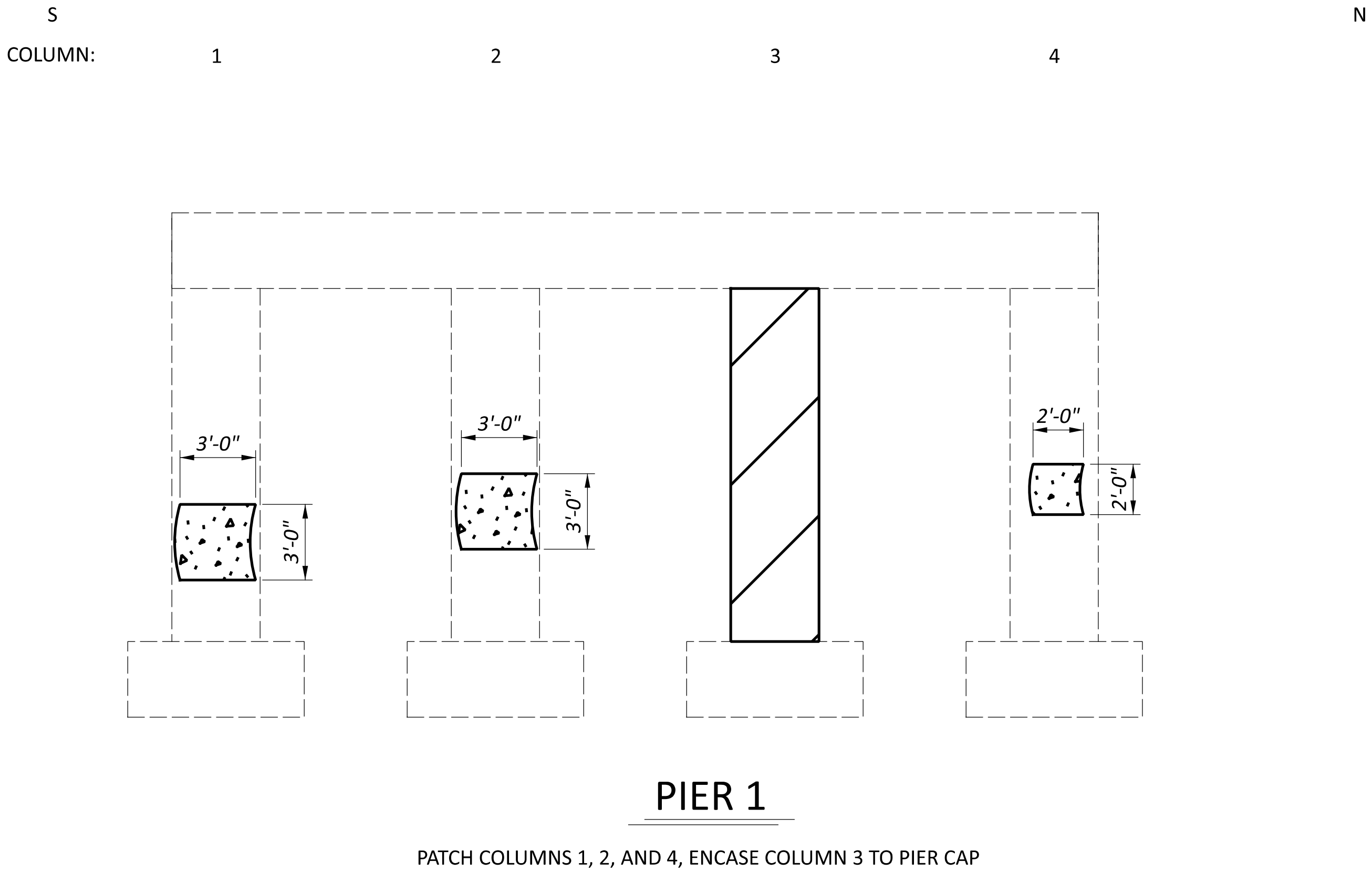
- COLUMN SEALING
ITEM 512 - REMOVAL OF EXISTING COATINGS FROM CONCRETE SURFACES
ITEM 512 - SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)

NOTE:
*ALL REPAIR LOCATIONS ARE APROXIMATE AND ARE TO BE FIELD VERIFIED BY ENGINEER BEFORE PERFORMING WORK
*SEE STRUCTURE SECTION OF GENERAL NOTES FOR MORE INFORMATION ON ITEMS
*ALL NUMBERING/NAMING CONVENTIONS OF STRUCTURES ARE REFERENCED FROM DOWN-TO-UP STATION AND FROM LEFT-TO-RIGHT USING IR 71 AS THE POINT OF REFERENCE
*READ COLUMN WORK DESCRIPTION TO DETERMINE IF EXISTING ENCASEMENT OR COATING NEEDS REMOVED



COLUMN HEIGHTS (FT)	
PIER #1	13.28
PIER #2	14.95
PIER #3	13.68



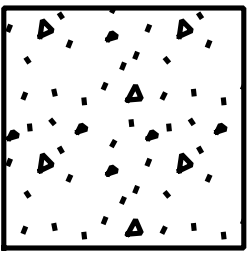


STRUCTURE SUBSUMMARY

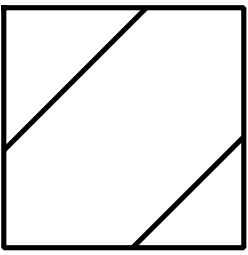
ITEM	QUANTITY	UNIT	DESCRIPTION
509E10001	299	LB	EPOXY COATED STEEL REINFORCEMENT, AS PER PLAN
511E41010	9	CY	CLASS QC1 CONCRETE, PIER ABOVE FOOTINGS, AS PER PLAN
512E10100	89	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)
512E74000	21	SY	REMOVAL OF EXISTING COATINGS FROM CONCRETE SURFACES
519E11100	22	SF	PATCHING CONCRETE STRUCTURE
844E20000	29	EA	GALVANIC ANODE PROTECTION

ALL QUANTITIES CARRIED TO STRUCTURE SUBSUMMARY

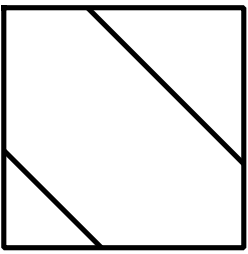
LEGEND



- COLUMN PATCHING
ITEM 519 - PATCHING CONCRETE STRUCTURE
ITEM 844 - GALVANIC ANODE PROTECTION

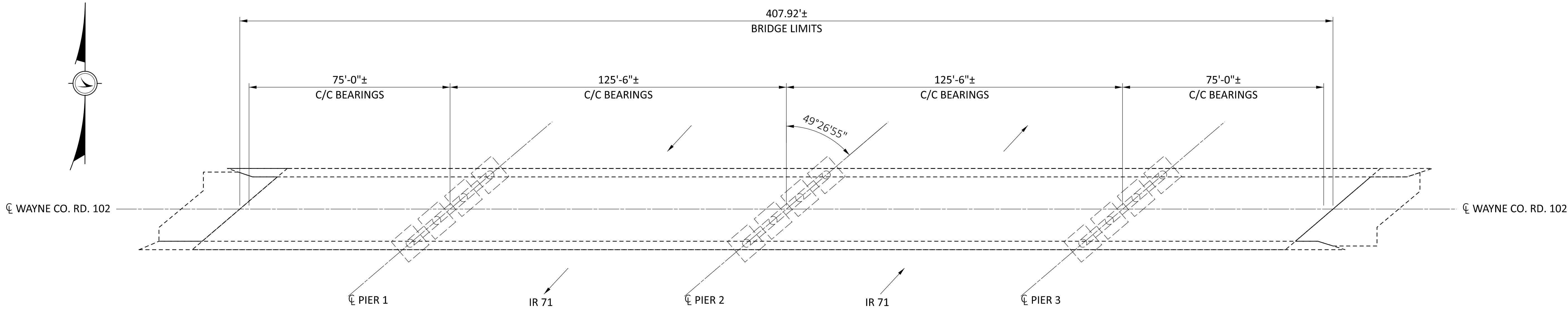


- COLUMN ENCASEMENT
ITEM 202 - PORTIONS OF STRUCTURE REMOVED, AS PER PLAN
ITEM 509 - EPOXY COATED STEEL REINFORCEMENT, AS PER PLAN
ITEM 511 - CLASS QC1 CONCRETE, PIER ABOVE FOOTINGS, AS PER PLAN

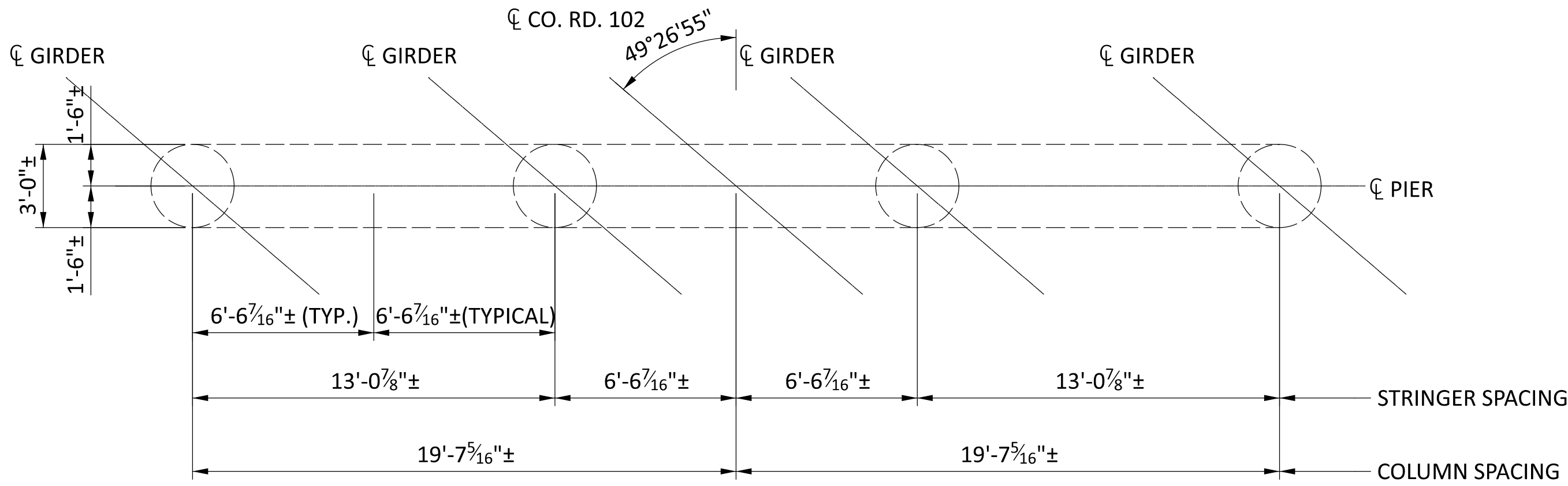


- COLUMN SEALING
ITEM 512 - REMOVAL OF EXISTING COATINGS FROM CONCRETE SURFACES
ITEM 512 - SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)

NOTE:
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*READ COLUMN WORK DESCRIPTION TO DETERMINE IF EXISTING ENCASEMENT OR COATING NEEDS REMOVED

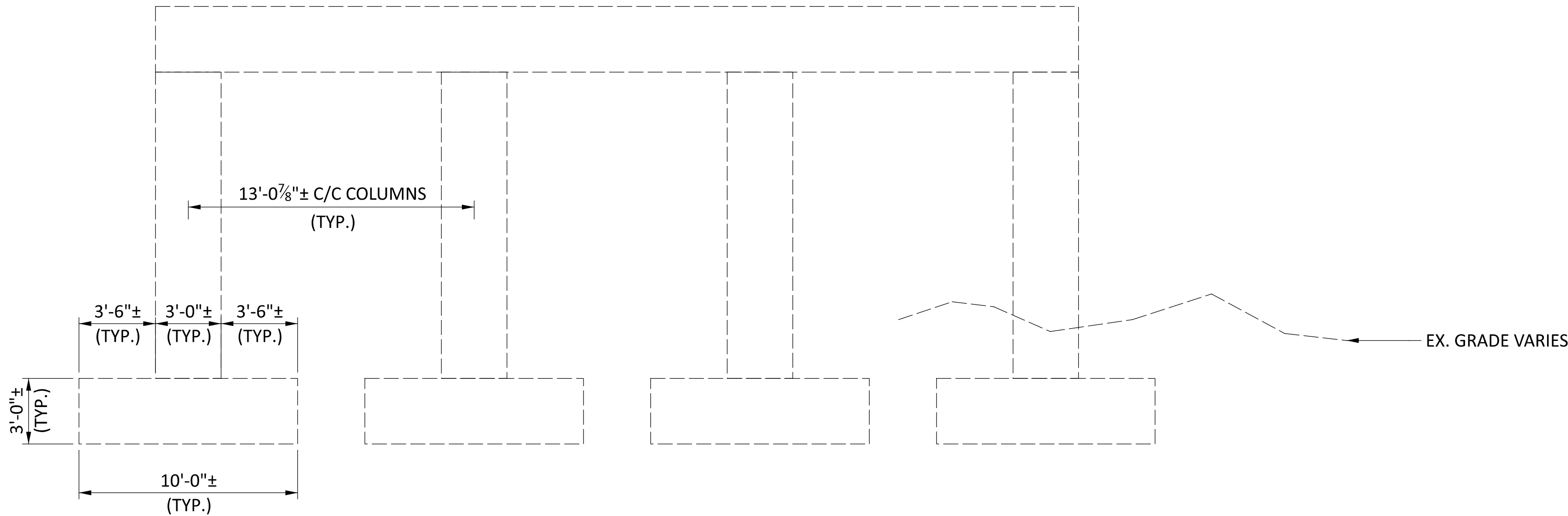


PLAN VIEW

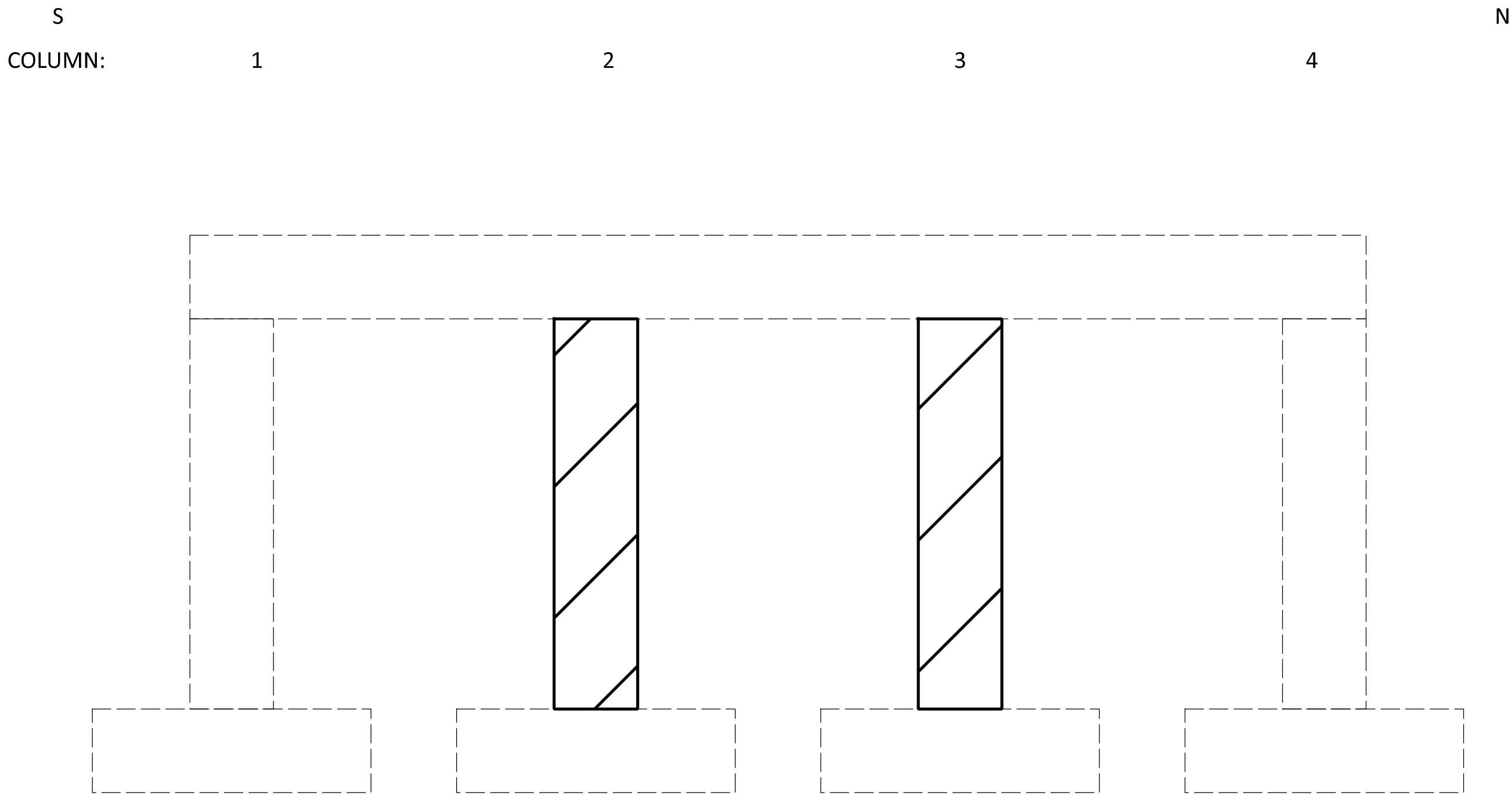


PIER CAP TYPICAL

COLUMN HEIGHTS (FT)	
PIER #1	14.70
PIER #2	15.93
PIER #3	16.70

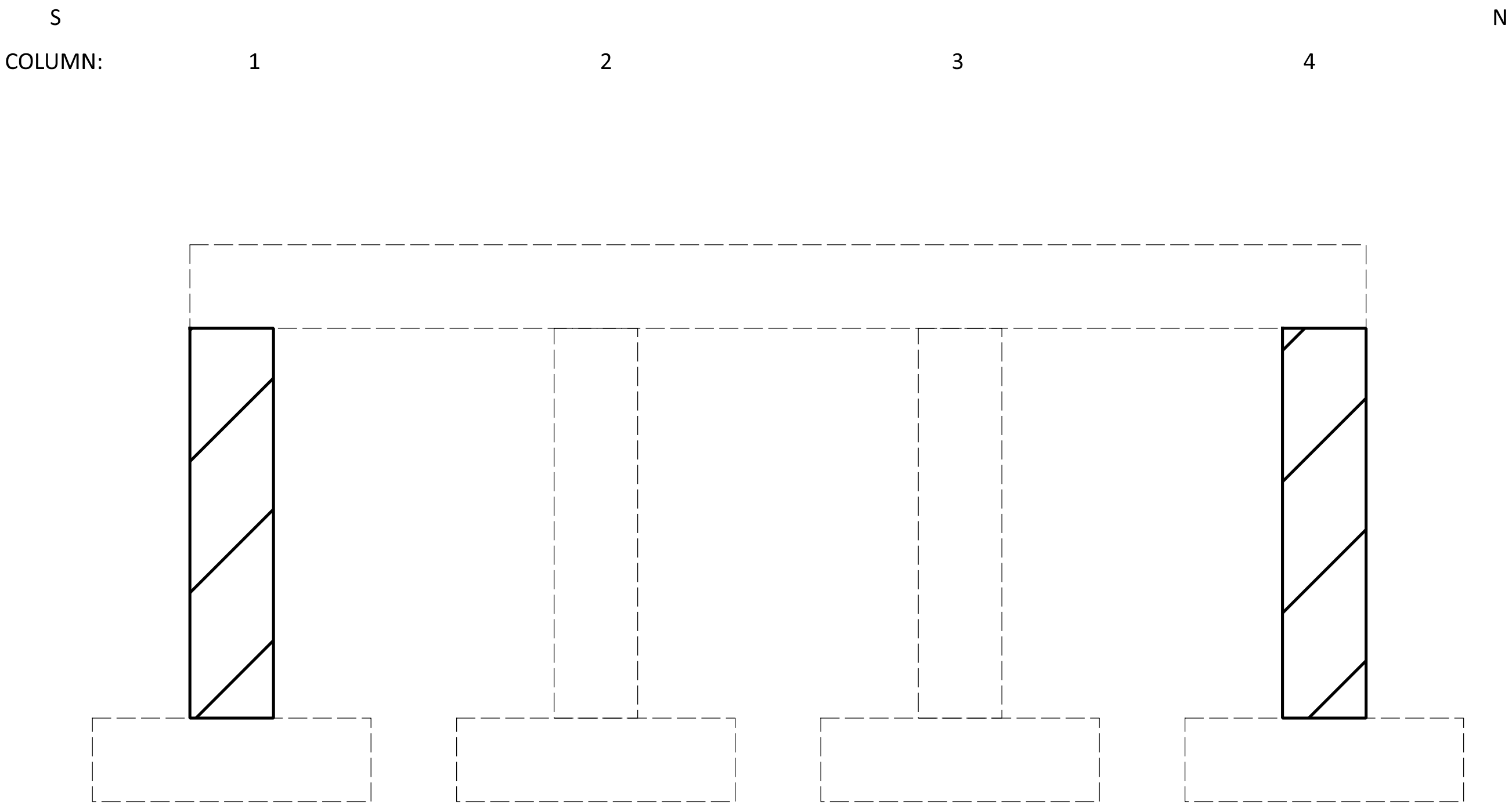


PIER ELEVATION TYPICAL



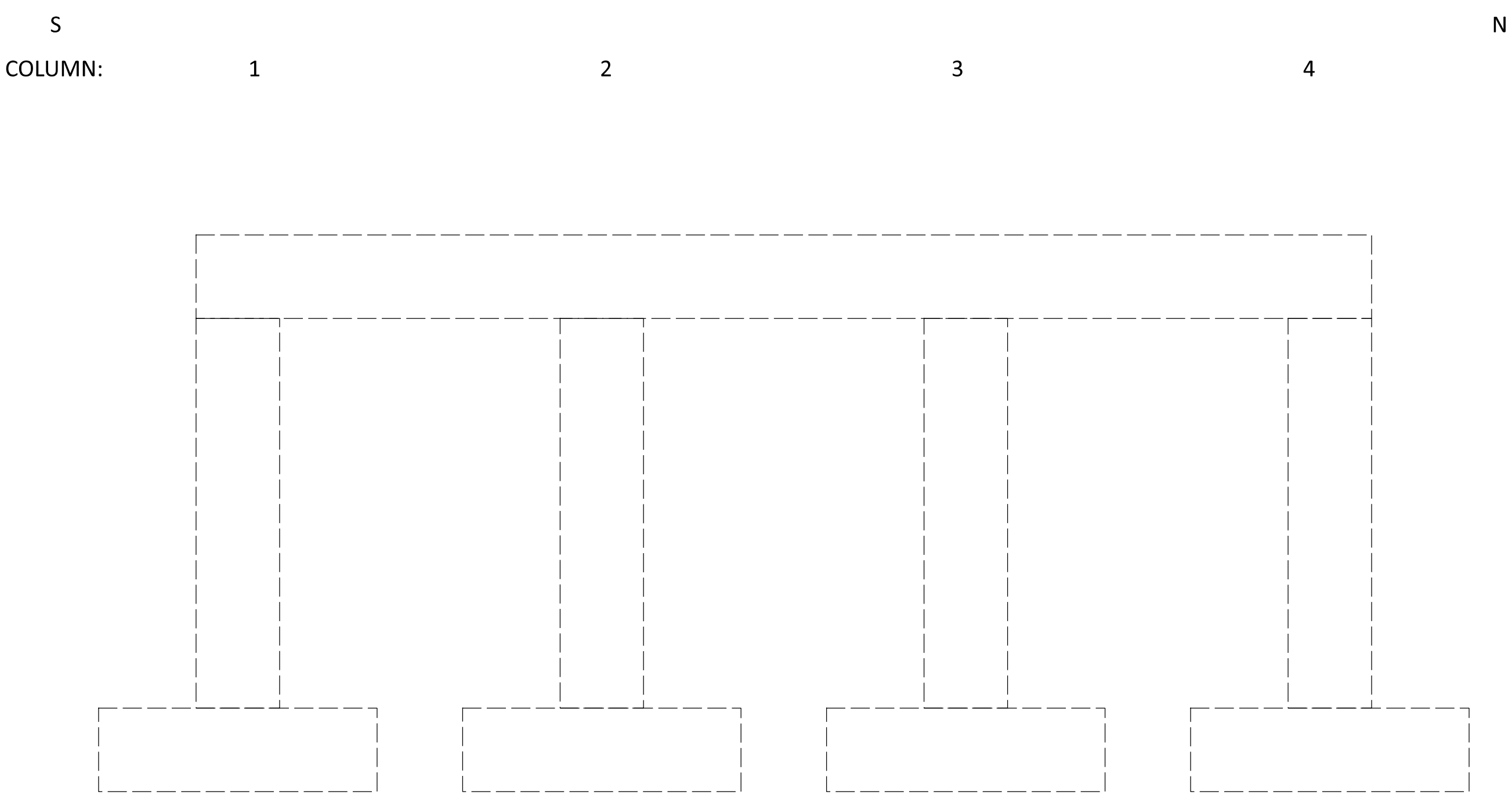
PIER 1

NO WORK COLUMNS 1 AND 4, ENCASE COLUMNS 2 AND 3 TO PIER CAPS



PIER 3

REMOVE EXISTING ENCASEMENT AND ENCASE COLUMN 1, NO WORK COLUMNS 2 OR 3, ENCASE COLUMN 4 TO PIER CAP



PIER 2

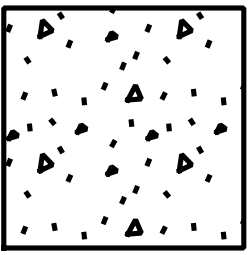
NO WORK

STRUCTURE SUBSUMMARY

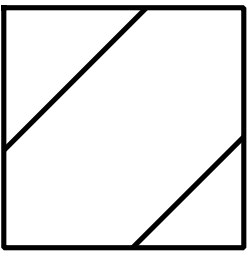
ITEM	QUANTITY	UNIT	DESCRIPTION
202E11301	3	CY	PORTIONS OF STRUCTURE REMOVED, AS PER PLAN
509E10001	368	LB	EPOXY COATED STEEL REINFORCEMENT, AS PER PLAN
511E41010	12	CY	CLASS QC1 CONCRETE, PIER ABOVE FOOTINGS, AS PER PLAN
512E10100	76	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)

ALL QUANTITIES CARRIED TO STRUCTURE SUBSUMMARY

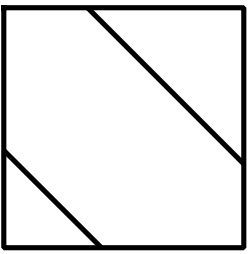
LEGEND



- COLUMN PATCHING
ITEM 519 - PATCHING CONCRETE STRUCTURE
ITEM 844 - GALVANIC ANODE PROTECTION

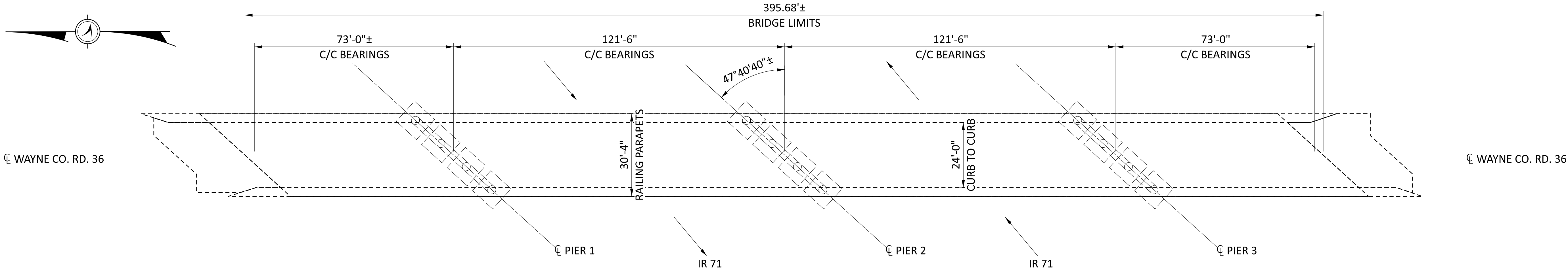


- COLUMN ENCASEMENT
ITEM 202 - PORTIONS OF STRUCTURE REMOVED, AS PER PLAN
ITEM 509 - EPOXY COATED STEEL REINFORCEMENT, AS PER PLAN
ITEM 511 - CLASS QC1 CONCRETE, PIER ABOVE FOOTINGS, AS PER PLAN

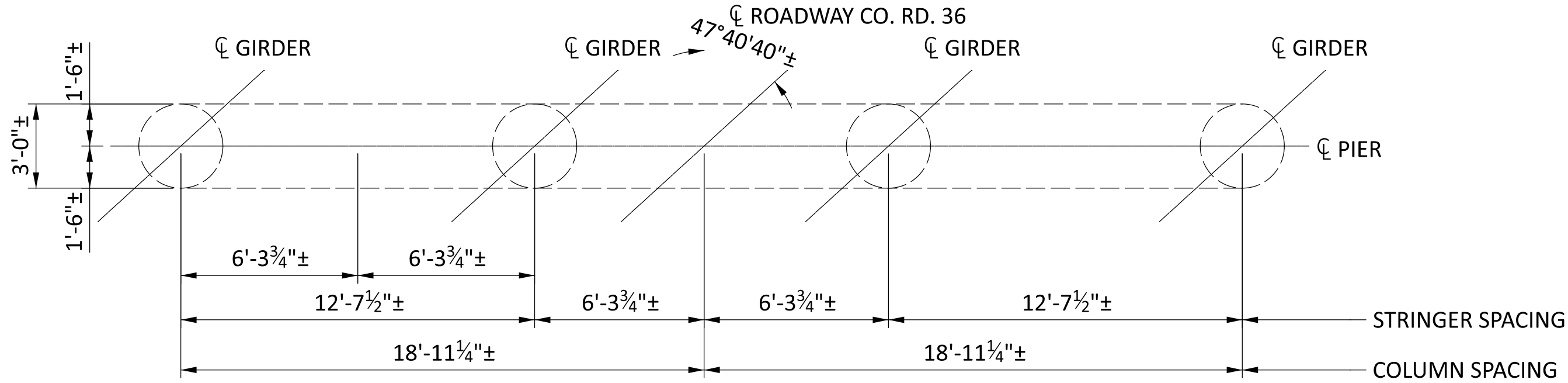


- COLUMN SEALING
ITEM 512 - REMOVAL OF EXISTING COATINGS FROM CONCRETE SURFACES
ITEM 512 - SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)

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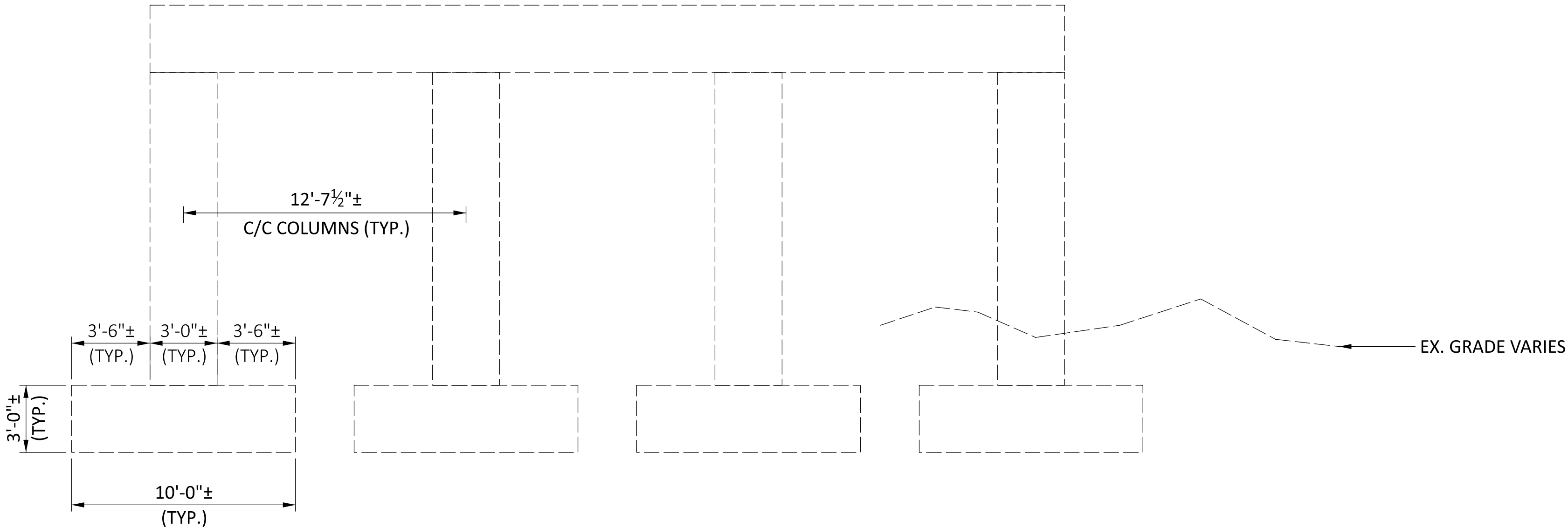


PLAN VIEW

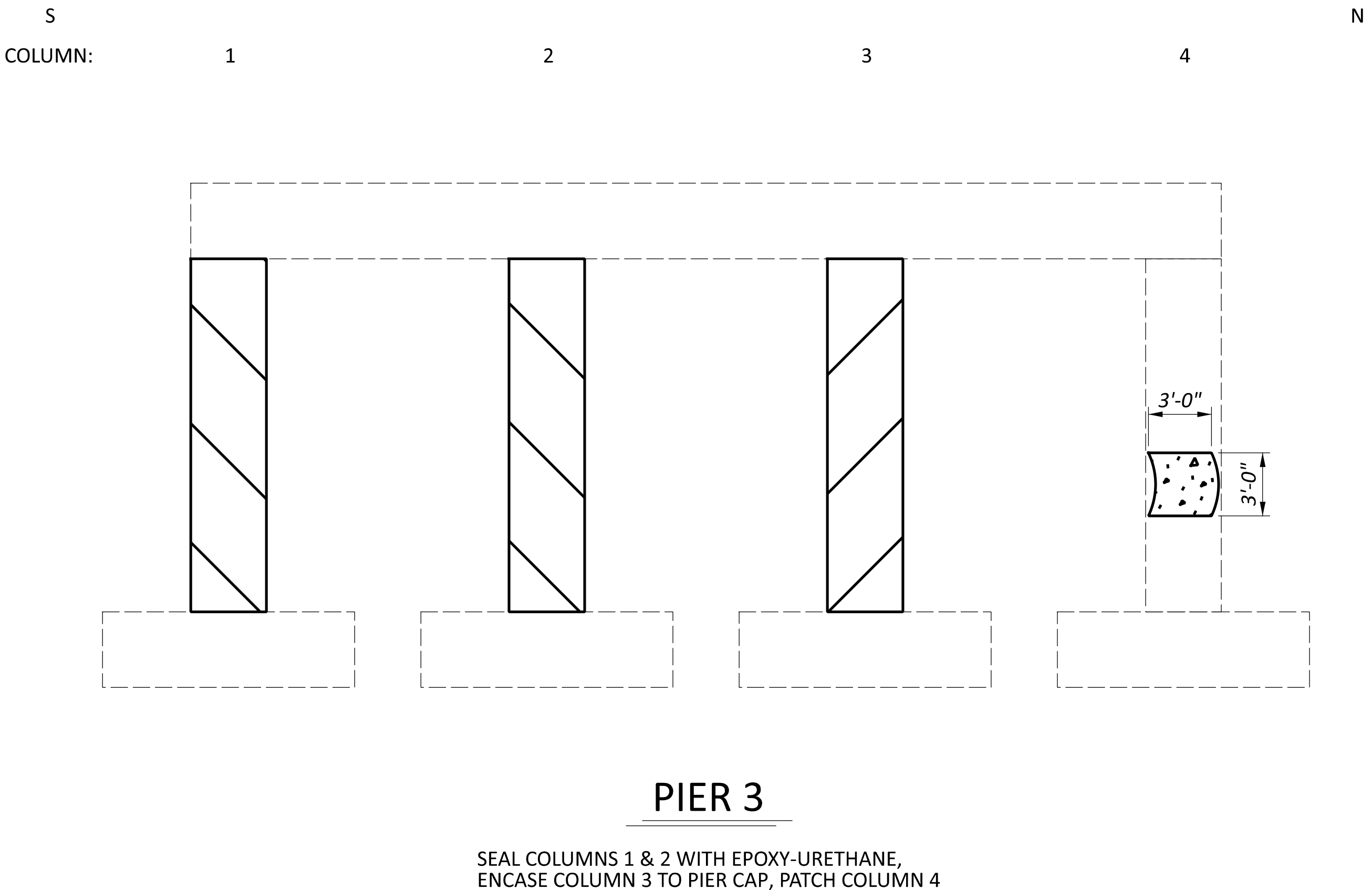
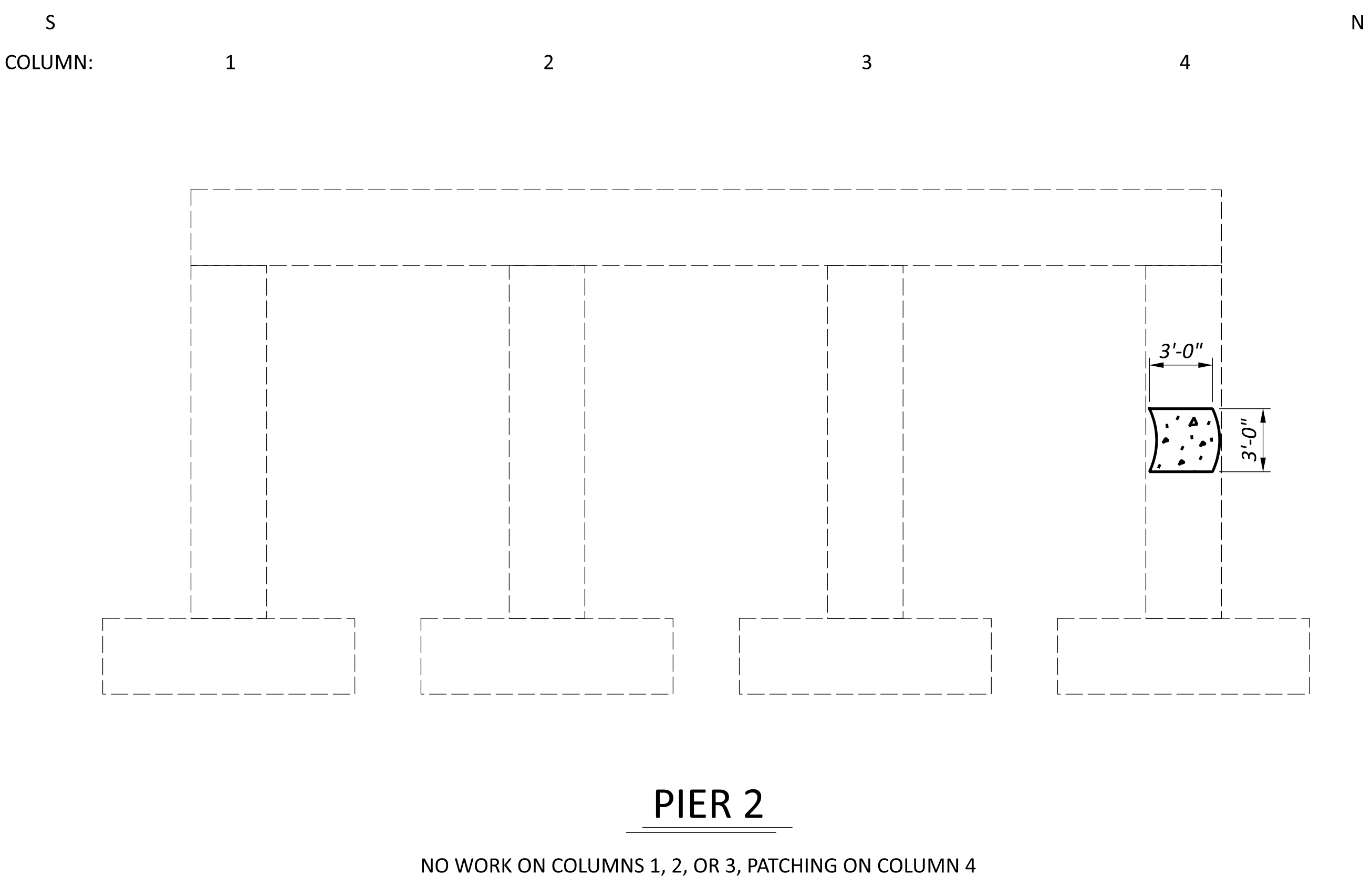
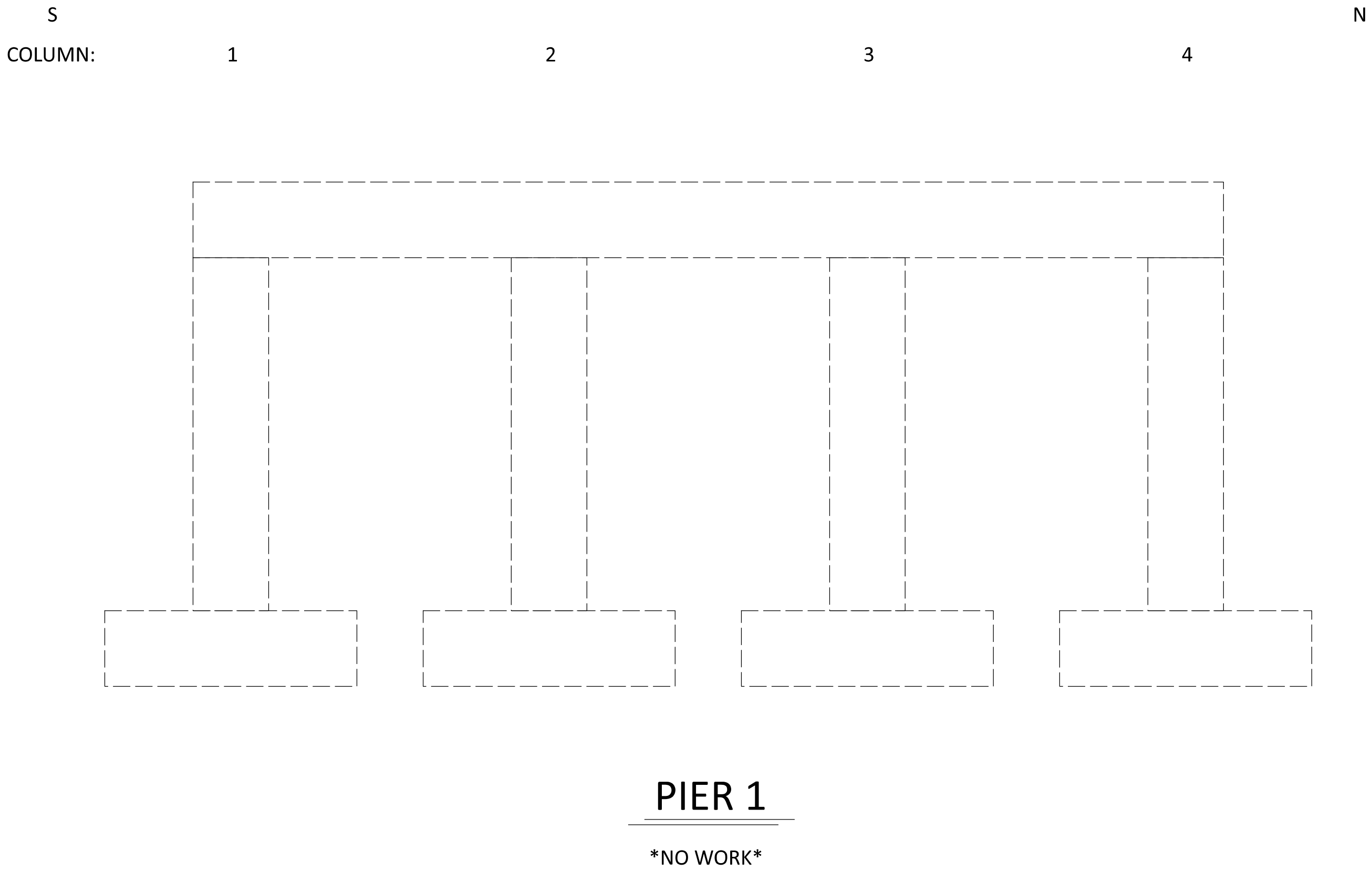


PIER CAP TYPICAL

COLUMN HEIGHTS (FT)	
PIER #1	15.37
PIER #2	18.69
PIER #3	12.92



PIER ELEVATION TYPICAL

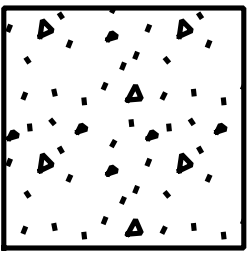


STRUCTURE SUBSUMMARY

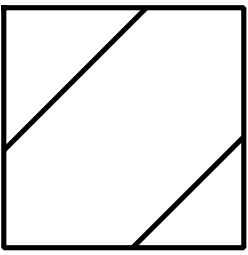
ITEM	QUANTITY	UNIT	DESCRIPTION
202E11301	3	CY	PORTIONS OF STRUCTURE REMOVED, AS PER PLAN
509E10001	96	LB	EPOXY COATED STEEL REINFORCEMENT, AS PER PLAN
511E41010	3	CY	CLASS QC1 CONCRETE, PIER ABOVE FOOTINGS, AS PER PLAN
512E10100	54	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)
512E74000	30	SY	REMOVAL OF EXISTING COATINGS FROM CONCRETE SURFACES
519E11100	18	SF	PATCHING CONCRETE STRUCTURE
844E20000	44	EA	GALVANIC ANODE PROTECTION

ALL QUANTITIES CARRIED TO STRUCTURE SUBSUMMARY

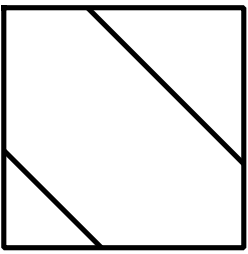
LEGEND



- COLUMN PATCHING
ITEM 519 - PATCHING CONCRETE STRUCTURE
ITEM 844 - GALVANIC ANODE PROTECTION



- COLUMN ENCASEMENT
ITEM 202 - PORTIONS OF STRUCTURE REMOVED, AS PER PLAN
ITEM 509 - EPOXY COATED STEEL REINFORCEMENT, AS PER PLAN
ITEM 511 - CLASS QC1 CONCRETE, PIER ABOVE FOOTINGS, AS PER PLAN



- COLUMN SEALING
ITEM 512 - REMOVAL OF EXISTING COATINGS FROM CONCRETE SURFACES
ITEM 512 - SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)

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