

PORT OF TACOMA

PIERCE COUNTY TERMINAL OPERATIONAL PAVEMENT REPAIRS 2022 PROJECT NO. 201038.01 CONTRACT NO. 071685

PORT COMMISSIONERS:

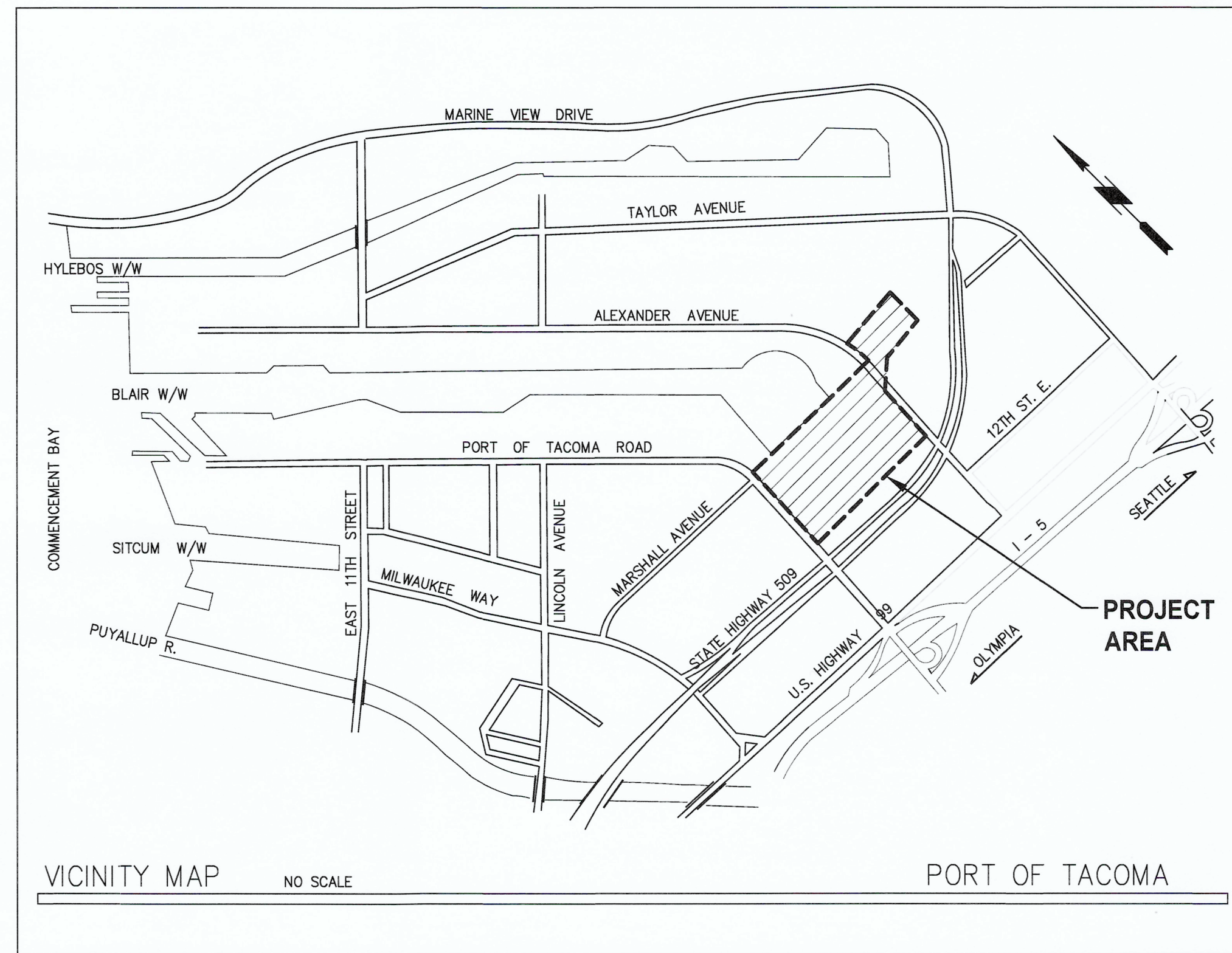
JOHN MCCARTHY
DICK MARZANO
DEANNA KELLER
DON MEYER
KRISTIN ANG

PORT STAFF:

ERIC JOHNSON
Executive Director

THAIS HOWARD, PE
Director of Engineering

BRETT OZOLIN, PE
Project Manager




DRAWING LIST		
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CONSULTANT:

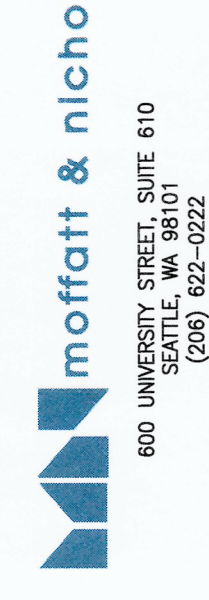


moffatt & nichol

600 UNIVERSITY STREET
SUITE 610
SEATTLE, WA 98101
(206) 622-0222



Port of Tacoma
P.O. BOX 1837 TACOMA, WA 98401 (206) 835-8441




moffatt & nichol
600 UNIVERSITY STREET, SUITE 610
SEATTLE, WA 98101
(206) 622-0222

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APPROVED: *[Signature]*

T. HOWARD
DIRECTOR ENGR. DATE: cgreene Apr 06, 2022
PRINTED BY: cgreene
PORT ADDRESS: ONE SITCUM PLAZA
TACOMA, WA 98401-1837

A. PATTERSON 4/6/22
CHECKED BY: _____ DATE: 4/6/22
S. GRAY
PROJ. ENGR. DATE: _____

6635
G1.01
SHEET 1 OF 16

CONT/CONS: 071685
M. ID: 201038.01
PHASE: BID SET

PIERCE COUNTY TERMINAL
OPERATIONAL PAVEMENT REPAIRS 2022
COVER PAGE & SHEET INDEX

TOWNSHIP: 20N RANGE: 3E SECTION: _____
DAT-HRZ: NAD83/2007 VERT: MLLW
PARCEL: _____ DRAWING SCALE: AS NOTED

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GENERAL NOTES:

- 1. THE PLANS INDICATE TYPICAL REPAIR AND REHABILITATION OF EXISTING YARD STRUCTURES AND SHALL BE CONSIDERED TO BE REFERENCE INFORMATION FOR THE PURPOSES OF BID PREPARATION OF THE UNIT PRICE PAY ITEMS. WORK OF THIS CONTRACT WILL BE AUTHORIZED ON A TASK BY TASK BASIS AND MAY VARY FROM THE WORK REPRESENTED ON THE PLANS. THE LOCATIONS AND LIMITS OF WORK IS SUBJECT TO FIELD DETERMINATION BY THE ENGINEER AND AUTHORIZATION ON A TASK BY TASK BASIS.
2. THE CONTRACTOR SHALL PERFORM ALL WORK IN SUCH A MANNER AS TO NOT IMPACT TERMINAL OPERATIONS. THE CONTRACTOR SHALL COORDINATE WITH THE PORT AND SCHEDULE WORK TO MINIMIZE DISRUPTION, STRICT COMPLIANCE WITH THE SPECIFIED WORK HOURS AND DAYS WILL BE ENFORCED. SEE SPECIFICATIONS FOR CONSTRUCTION LIMITATIONS AND RELATED INFORMATION.
3. THE CONTRACTOR SHALL COORDINATE THE WORK OF ALL TRADES. CONTRACTOR SHALL PROVIDE TIMELY NOTIFICATION TO THE ENGINEER FOR ALL ITEMS OF WORK REQUIRING COORDINATION.
4. THE CONTRACTOR SHALL PROVIDE ALL NOTICES AND PERMITS REQUIRED FOR THIS WORK.
5. IF CLASSIFIED HAZARDOUS MATERIAL IS ENCOUNTERED DURING CONSTRUCTION, CONTRACTOR IS DIRECTED TO STOP WORK IN THE EFFECTED AREA IMMEDIATELY AND NOTIFY THE ENGINEER.
6. CONTRACTOR SHALL OBTAIN APPROVAL OF THE ENGINEER PRIOR TO DISCONNECTING OR INTERRUPTING THE OPERATION OF ANY EXISTING UTILITY OR SYSTEM. CONTRACTOR SHALL REQUEST PERMISSION FROM THE ENGINEER A MINIMUM OF TWO (2) DAYS PRIOR TO DISRUPTING SAID UTILITY.
7. MODIFICATIONS TO EXISTING STRUCTURES SHALL MAINTAIN A LOAD CAPACITY OF 125 KIPS (REFER TO REFERENCE DOCUMENT PCT REDEVELOPMENT CONSTRUCTION SHEET S1.1 PROVIDED BY THE PORT).

ABBREVIATIONS

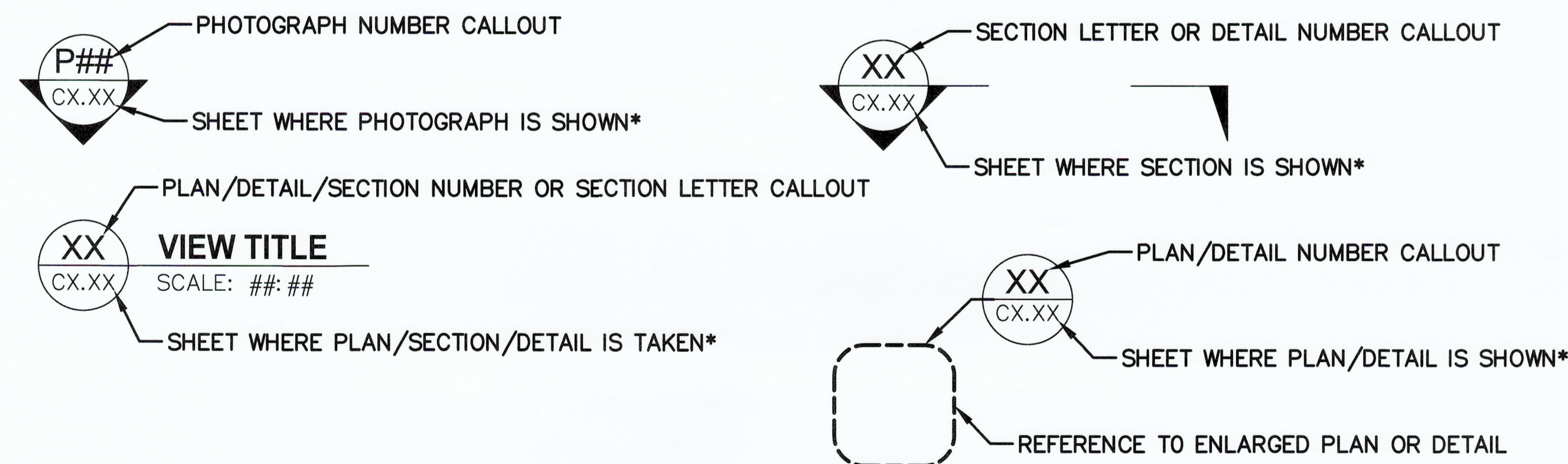
Table listing abbreviations for materials and structures such as FEET, INCHES, AT, ASPHALT CONCRETE PAVEMENT, BUILDING, CATCH BASIN, COMMUNICATIONS, etc.

Table listing abbreviations for infrastructure elements such as REINFORCED REQUIRED, RIGHT OF WAY (CITY OF TACOMA), RAIL ROAD, STORM DRAINAGE, etc.

LEGEND

Legend table mapping symbols to descriptions: EXISTING (FENCE, RAILROAD TRACKS, ROW/PROPERTY LINE, etc.) and NEW (ACP, CAST-IN-PLACE CONC, FLOWABLE FILL BASE COURSE).

REFERENCE CALLOUTS



*NOTE: DASH (-) INDICATES SECTION OR DETAIL FROM SAME SHEET

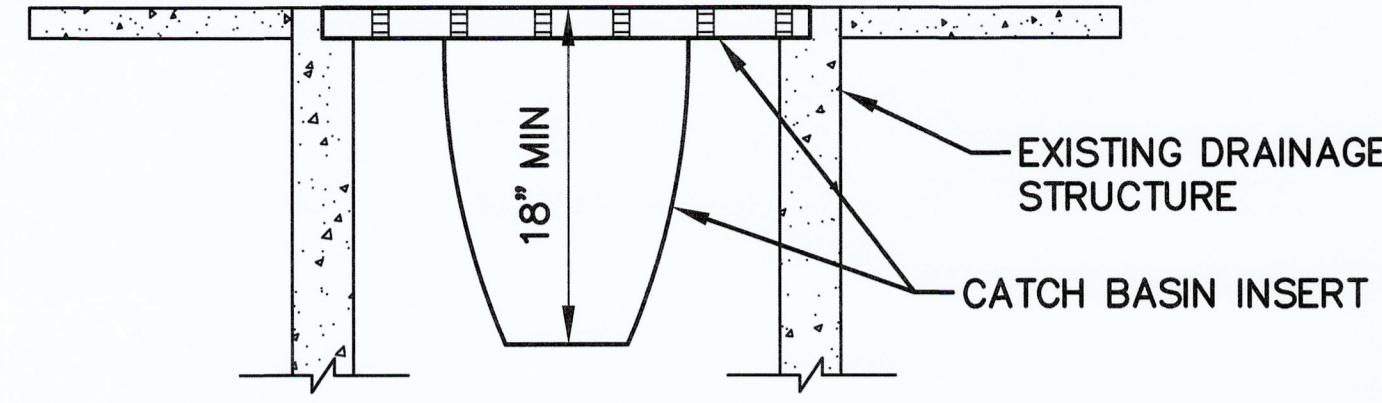
ONE-CALL at 1-800-424-5555

UNDERGROUND UTILITIES ARE SHOWN IN THE APPROXIMATE LOCATION. THERE IS NO GUARANTEE THAT ALL UTILITY LINES ARE SHOWN, OR THAT THE LOCATION, SIZE, AND MATERIAL IS ACCURATE. THE CONTRACTOR SHALL UNCOVER ALL INDICATED PIPING WHERE CROSSING, INTERFERENCES, OR CONNECTIONS OCCUR PRIOR TO TRENCHING OR EXCAVATION FOR ANY PIPE OR STRUCTURE. TO DETERMINE ACTUAL LOCATIONS, SIZE, AND MATERIAL. THE CONTRACTOR SHALL MAKE THE APPROPRIATE PROVISION FOR PROTECTION OF SAID FACILITIES. THE CONTRACTOR SHALL NOTIFY ONE CALL AT 1-800-424-5555 AND ARRANGE FOR FIELD LOCATION OF EXISTING FACILITIES BEFORE CONSTRUCTION.

Project information block including logos for Port of Tacoma and Moffatt & Nichol, project title 'PIERCE COUNTY TERMINAL OPERATIONAL PAVEMENT REPAIRS 2022', sheet number 'G1.02 SHEET 2 OF 16', and various administrative fields like 'CHECKED BY', 'DATE', 'APPROVED', 'TOWNSHIP', 'RANGE', 'SECTION', 'PARCEL', 'DRAWING SCALE'.

TEMPORARY EROSION & SEDIMENT CONTROL (TESC) NOTES:

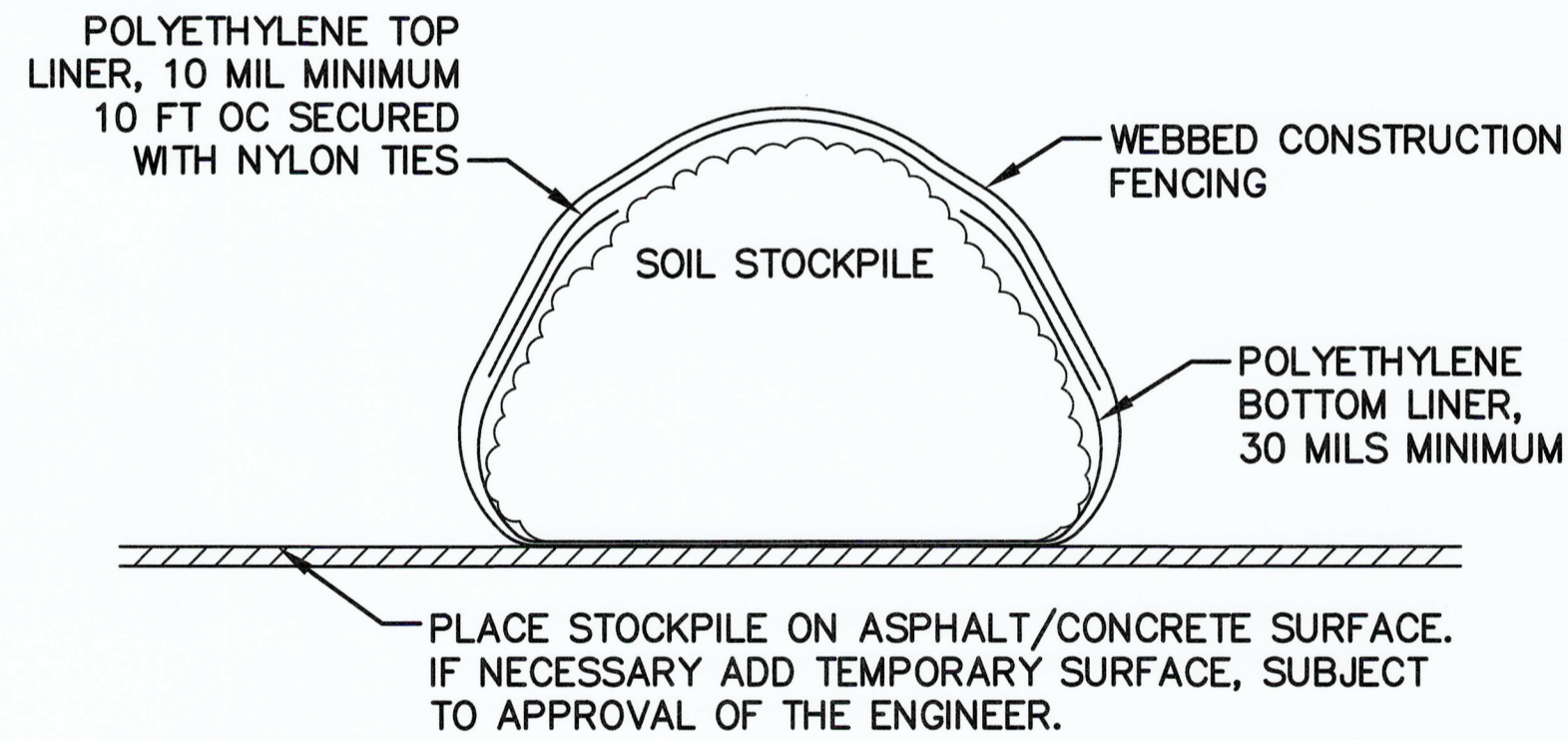
- A. EROSION AND SEDIMENTATION CONTROL MEASURES SHALL MEET THE REQUIREMENTS OF SPECIFICATIONS SECTION 01 57 13.
- B. EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE PROVIDED TO PREVENT ERODED SEDIMENT AND TURBID WATER FROM ENTERING THE STORM DRAINAGE SYSTEM AND/OR ADJACENT PROPERTIES DURING AND FOLLOWING CONSTRUCTION UNTIL ENTIRE SITE HAS BEEN STABILIZED.
- C. CERTAIN BEST MANAGEMENT PRACTICES (BMPs) THAT MAY BE APPLICABLE TO THE CONTRACTOR'S IMPLEMENTATION OF THE WORK ARE PRESENTED IN THE WASHINGTON STATE DEPARTMENT OF ECOLOGY 2012 STORMWATER MANAGEMENT MANUAL FOR WESTERN WASHINGTON, AS AMENDED IN DECEMBER 2014, INCLUDING VOLUME 2 "STORMWATER MANAGEMENT" AND INCLUDE:
 - BMP C103: HIGH VISIBILITY FENCE
 - BMP C105: STABILIZED CONSTRUCTION ENTRANCE/EXIT
 - BMP C107: CONSTRUCTION ROAD/PARKING AREA STABILIZATION
 - BMP C152: SAWCUTTING AND SURFACING POLLUTION PREVENTION
 - BMP C153: MATERIAL DELIVERY, STORAGE, AND CONTAINMENT
 - BMP C154: CONCRETE WASHOUT AREA
 - BMP C160: CERTIFIED EROSION AND SEDIMENT CONTROL LEAD
 - BMP C220: STORM DRAIN INLET PROTECTION
- D. IF SEDIMENT IS TRANSPORTED ONTO A PAVED SURFACE, THE SURFACE(S) SHALL BE CLEANED IMMEDIATELY USING A METHOD ACCEPTABLE TO THE ENGINEER. IF A SWEEPER IS USED, IT SHALL BE A REGENERATIVE AIR SWEEPER.
- E. THE CONTRACTOR SHALL MAINTAIN, REPLACE, AND UPGRADE TESC FACILITIES UNTIL ALL CONSTRUCTION IS COMPLETED AND ACCEPTED. IF EROSION CONTROL FACILITIES FAIL, THEY SHALL BE REPAIRED OR REPLACED IMMEDIATELY.
- F. TESC FACILITIES SHALL BE PROVIDED IN CONJUNCTION WITH CLEARING AND GRADING AND/OR DEMOLITION ACTIVITIES, AND IN SUCH A MANNER AS TO ENSURE THAT ERODED SEDIMENT OR TURBID WATER DOES NOT ENTER THE DRAINAGE SYSTEM, ROADWAYS, OR VIOLATE APPLICABLE WATER STANDARDS.
- G. AS CONSTRUCTION PROGRESSES AND UNEXPECTED CONDITIONS AND/OR SEASONAL CONDITIONS DICTATE, THE CONTRACTOR SHALL PROVIDE ADDITIONAL EROSION AND SEDIMENTATION CONTROL FACILITIES TO ENSURE COMPLETE SILTATION CONTROL ON THE PROJECT SITE.
- H. ADDRESS ANY NEW CONDITIONS AND PROVIDE ADDITIONAL FACILITIES AS MAY BE NEEDED TO PROTECT ADJACENT PROPERTIES AND WATER QUALITY OF THE RECEIVING DRAINAGE SYSTEM AND AS REQUIRED BY THE ENGINEER.
- I. CATCH BASIN CLEANING SHALL NOT FLUSH SEDIMENT LADEN WATER INTO THE DOWNSTREAM PIPE OR SYSTEM.
- J. THE CONTRACTOR SHALL PROTECT STOCK PILE AREAS FROM RELEASE OF ERODED SEDIMENT OR SEDIMENT-LADEN WATER. STOCK PILES SHALL BE LINED AND COVERED AT ALL TIMES WHILE NOT IN USE TO KEEP THE STORED MATERIAL DRY.
- K. ALL DISTURBED AREAS SHALL BE STABILIZED BY ACCEPTABLE METHODS FOR THE PREVENTION OF ON-SITE EROSION AFTER COMPLETION OF CONSTRUCTION.
- L. REMOVE TEMPORARY EROSION AND SEDIMENT CONTROL FACILITIES FROM EACH WORK AREA AFTER IT HAS BEEN COMPLETELY STABILIZED.



NOTES:

- A. THE CATCH BASIN INSERT DETAIL IS SCHEMATIC.
- B. CATCH BASIN INSERTS SHALL HAVE A MINIMUM STORAGE CAPACITY OF 0.5 CUBIC FEET AND A MEANS TO DEWATER THE STORED SEDIMENT. INSERTS SHALL HAVE AN OVERFLOW AND SHALL BE EASY TO MAINTAIN.
- C. FILTERS SHALL BE INSPECTED AFTER EACH STORM EVENT. AT NO TIME SHALL MORE THAN ONE FOOT OF SEDIMENT BE ALLOWED TO ACCUMULATE WITHIN A CATCH BASIN INSERT.
- D. INSERTS SHALL BE INSTALLED IN ALL OPERATIONAL CATCH BASINS WITHIN 100 FEET OF WORK LIMITS PRIOR TO CLEARING AND GRADING ACTIVITY.

1 CATCH BASIN INSERT
SCALE: NTS



2 SOIL MANAGEMENT AREA STOCKPILE WRAP
SCALE: NTS



moffatt & nichol
600 UNIVERSITY STREET, SUITE 610
SEATTLE, WA 98101
(206) 622-0222



APPROVED: *[Signature]*
T. HOWARD
DIRECTOR ENGR. DATE: 4/6/22

CHANGED BY: A. PATTERSON 4/6/22
DATE: 4/6/22

PROJECT ENGR: S. GRAY
DATE: 4/6/22

PRINTED BY: cgreene
DATE: Apr 06, 2022

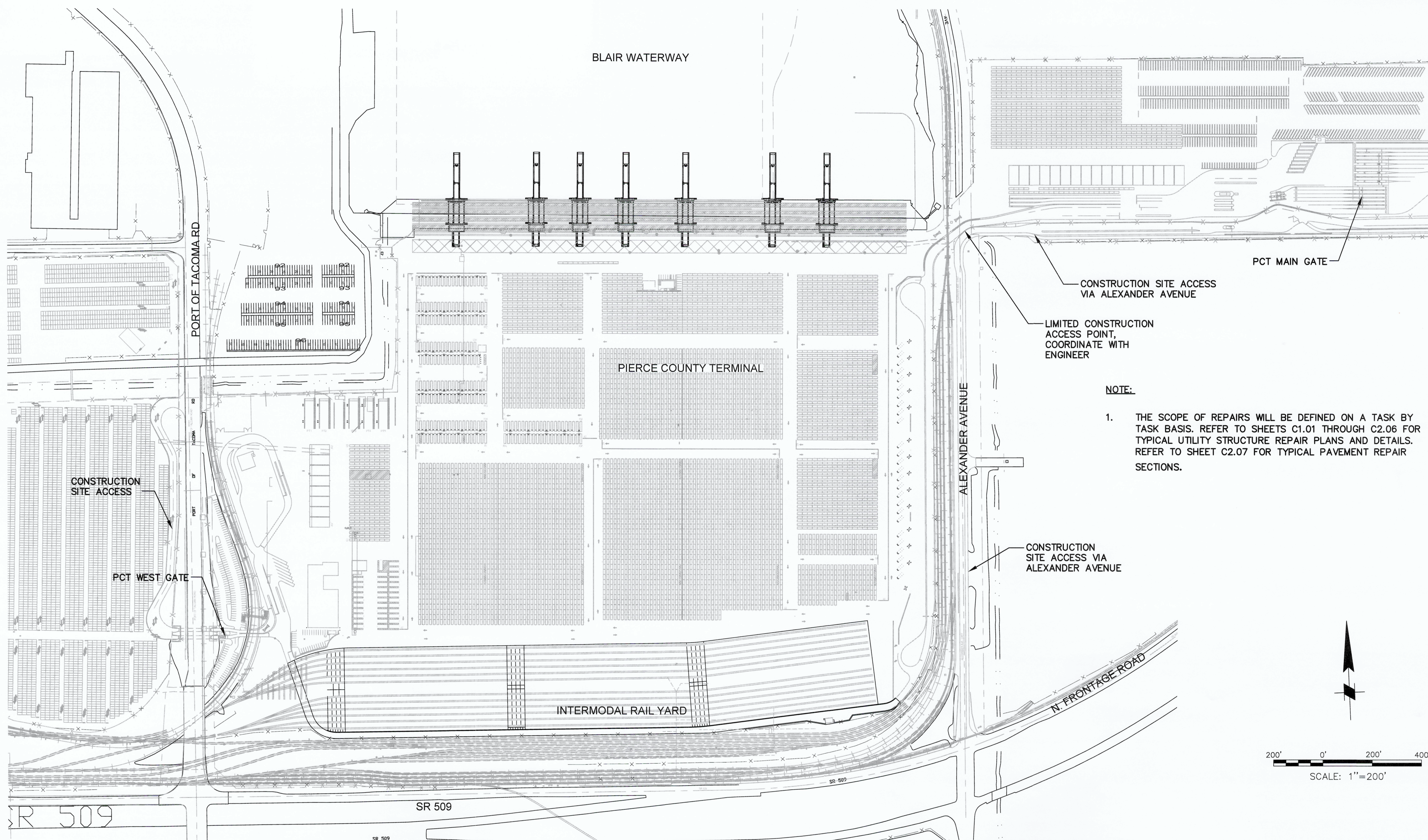
PORT ADDRESS: ONE SITCUM PLAZA
TACOMA, WA 98401-1837

**PIERCE COUNTY TERMINAL
OPERATIONAL PAVEMENT REPAIRS 2022**
TESC DETAILS

TOWNSHIP: 20N RANGE: 3E SECTION: MLLW
DATE: HRZ: NAD83 / 2007 VERT: MLLW
DRAWING SCALE: AS NOTED

6635
G1.03
SHEET 3 OF 16

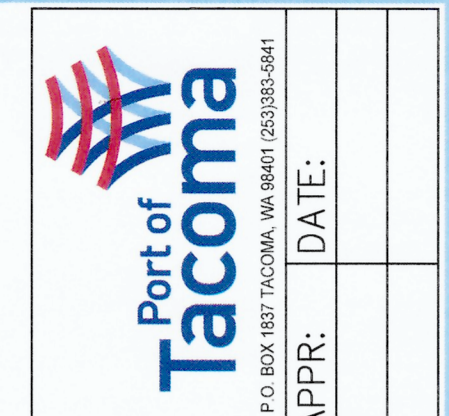
CONT/CONS: 071685
M. ID: 201038.01
PHASE: BID SET



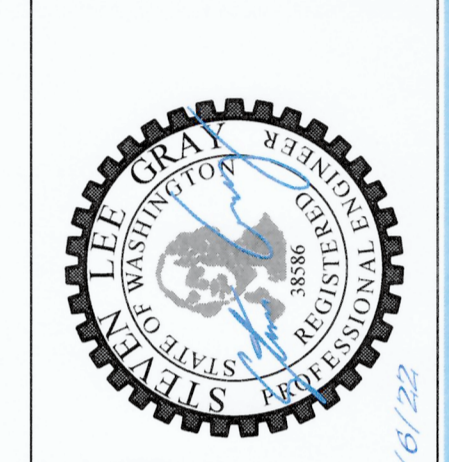
SITE PLAN
SCALE: 1"=200'

NOTE:

1. THE SCOPE OF REPAIRS WILL BE DEFINED ON A TASK BY TASK BASIS. REFER TO SHEETS C1.01 THROUGH C2.06 FOR TYPICAL UTILITY STRUCTURE REPAIR PLANS AND DETAILS. REFER TO SHEET C2.07 FOR TYPICAL PAVEMENT REPAIR SECTIONS.



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600 UNIVERSITY STREET SUITE 610
TACOMA, WA 98401
(253) 622-0222

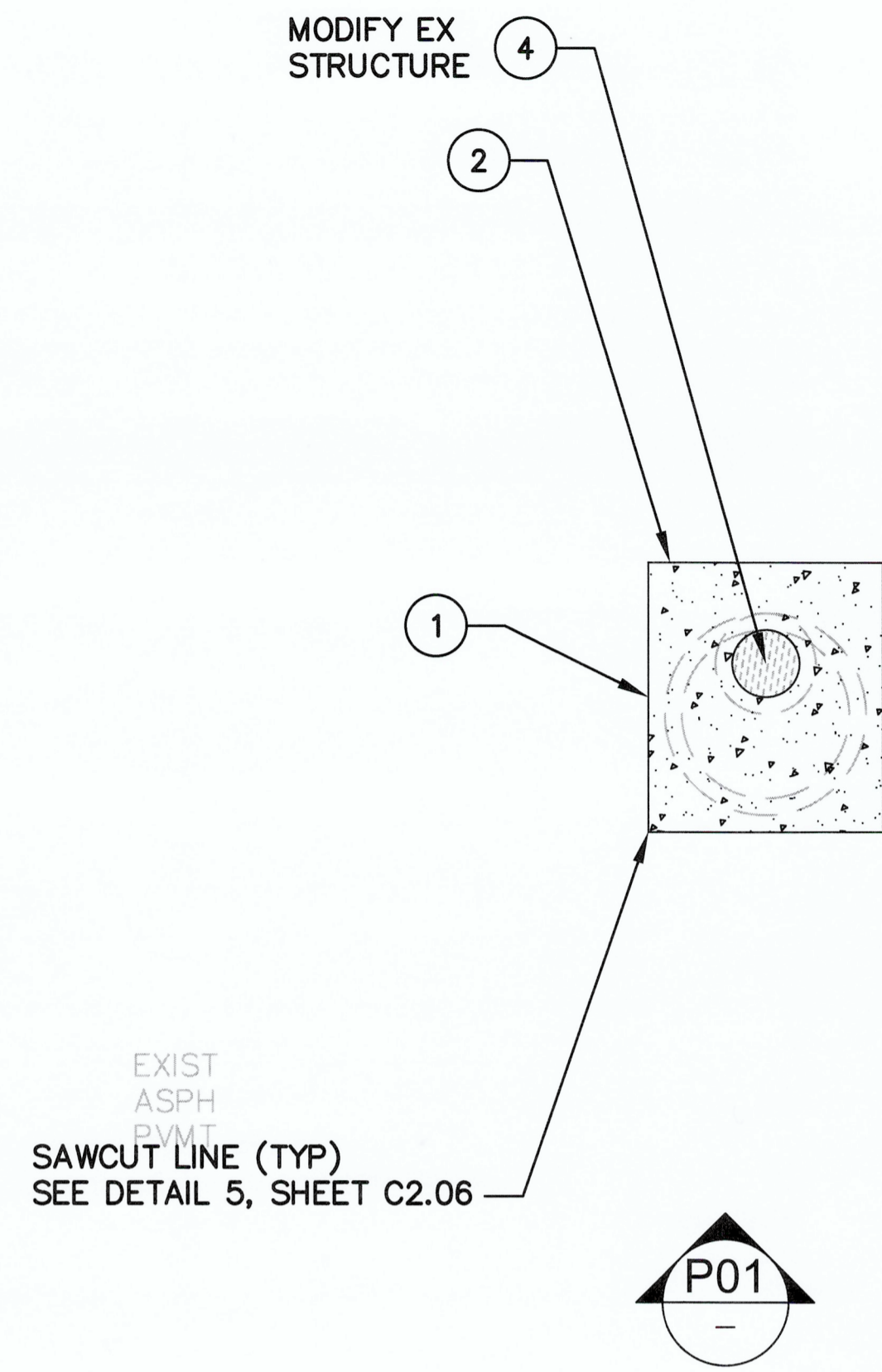


APPROVED: *T. Howard*
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DIRECTOR
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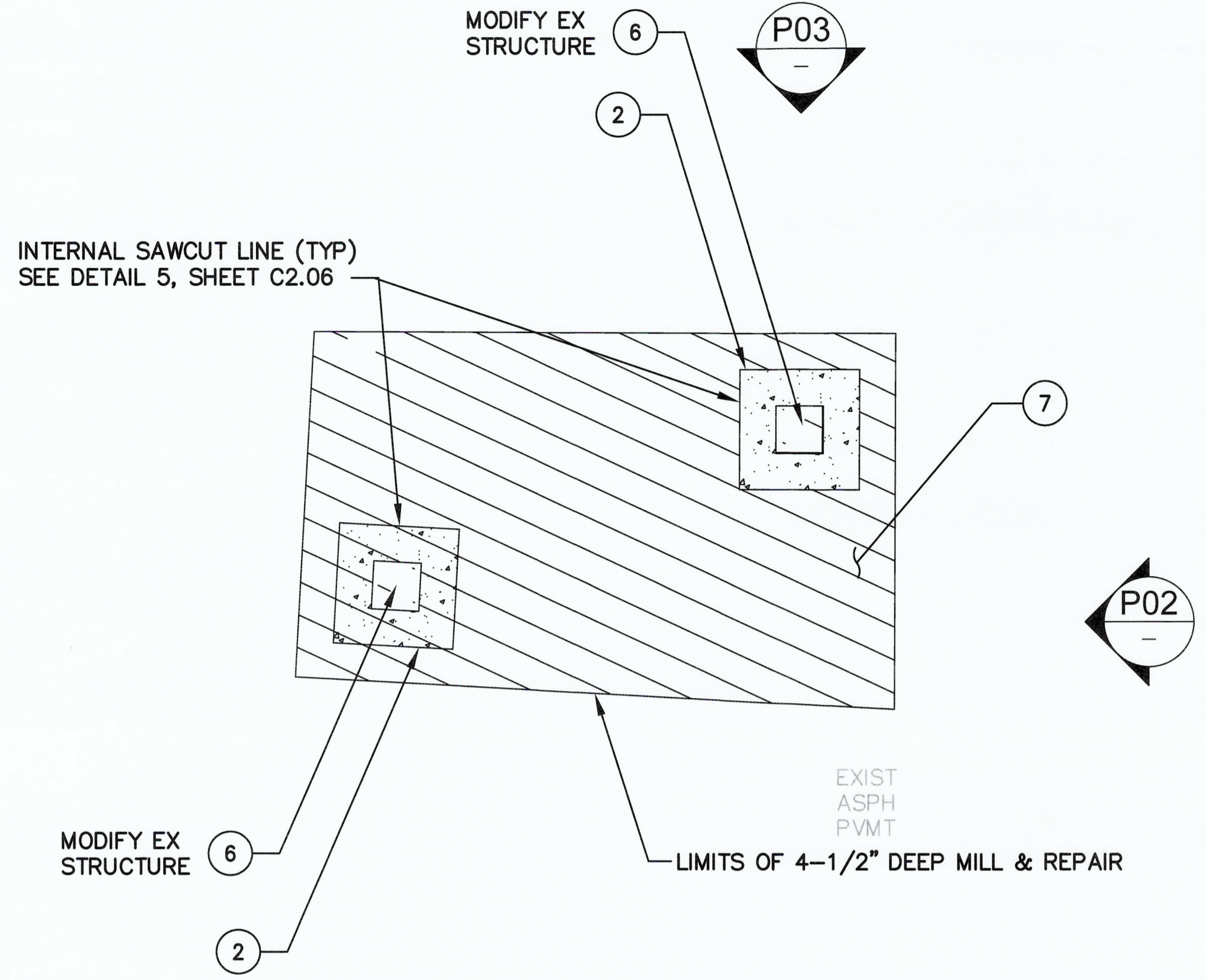
**PIERCE COUNTY TERMINAL
OPERATIONAL PAVEMENT REPAIRS 2022
SITE PLAN**

TOWNSHIP: 20N
RANGE: 3E
SECTION: 3E
DATE: HRZ: NAD83 / 2007
VERT: MLLW
DRAWING SCALE: AS NOTED
PARCEL: []

6635
C0.00
SHEET 4 OF 16
CONT./CONS: 071685
M. ID: 201038.01
PHASE: BID SET



1 TYPICAL OWS (TYPE 2 CB)
SCALE: 1" = 5'



2 TYPICAL DOUBLE VALVE BOX SLAB (WATER VALVE BOXES)
SCALE: 1" = 5'

STD CONSTRUCTION NOTES:

- 1 LIMITS OF ACP REMOVAL.
- 2 LIMITS OF REINF CONC SLAB.
- 3 ADJUST TYPE 1L CB AND RESTORE SURFACING, SEE DETAIL 1, SHEET C2.01.
- 4 ADJUST TYPE 2 CB AND RESTORE SURFACING, SEE DETAIL 2, SHEET C2.02.
- 5 ADJUST VAULT AND RESTORE SURFACING, SEE DETAIL 3, SHEET C2.03.
- 6 ADJUST WATER VALVE BOX AND RESTORE SURFACING, SEE DETAIL 4, SHEET C2.04.
- 7 RESTORE ACP.

NOTES:

- 1. EXISTING STRUCTURES ARE SHOWN AT ESTIMATED LOCATIONS, SIZE AND CONFIGURATION. CONTRACTOR SHALL FIELD VERIFY SITE CONDITIONS.
- 2. NOT EVERY STD CONSTRUCTION NOTE IS USED ON EVERY SHEET.
- 3. PROTECT WORK AREAS PER DETAIL 7, SHEET C2.06.



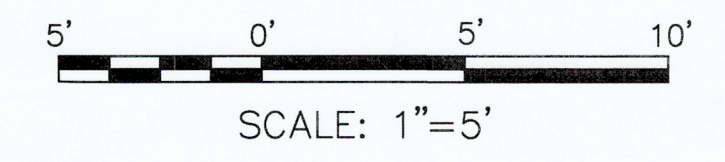
P01 TYPICAL OWS



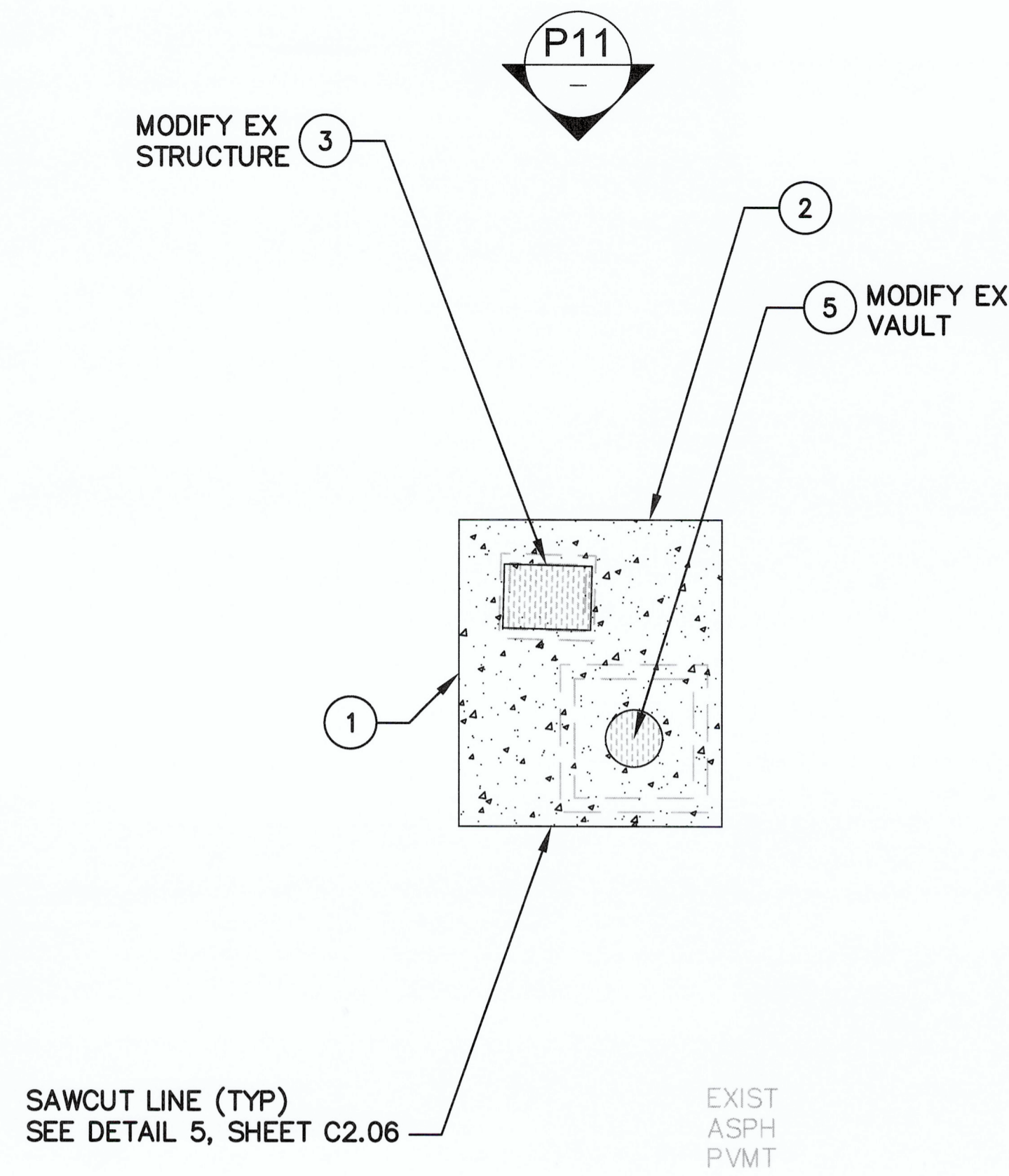
P02 TYPICAL VALVE BOX



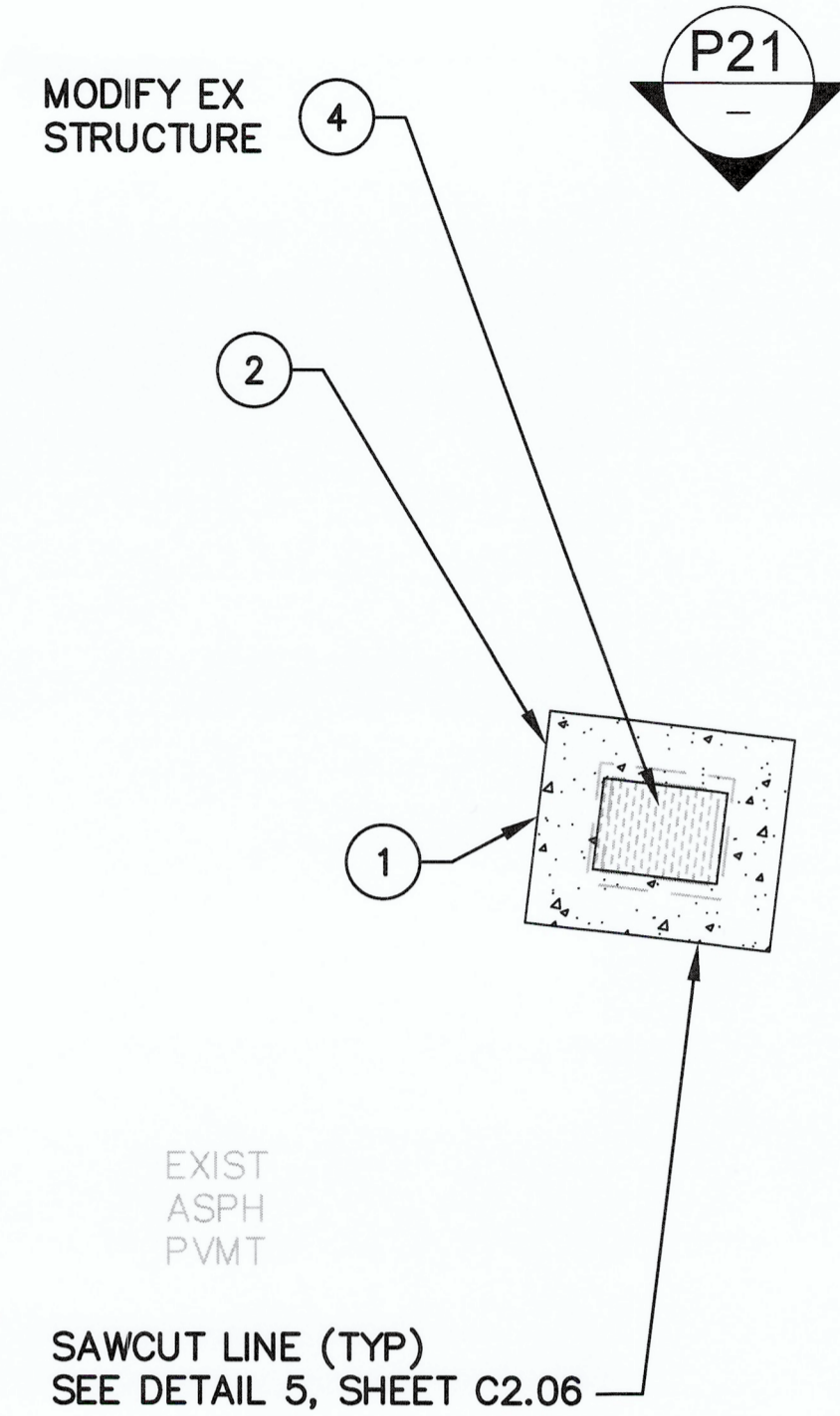
P03 TYPICAL VALVE BOX



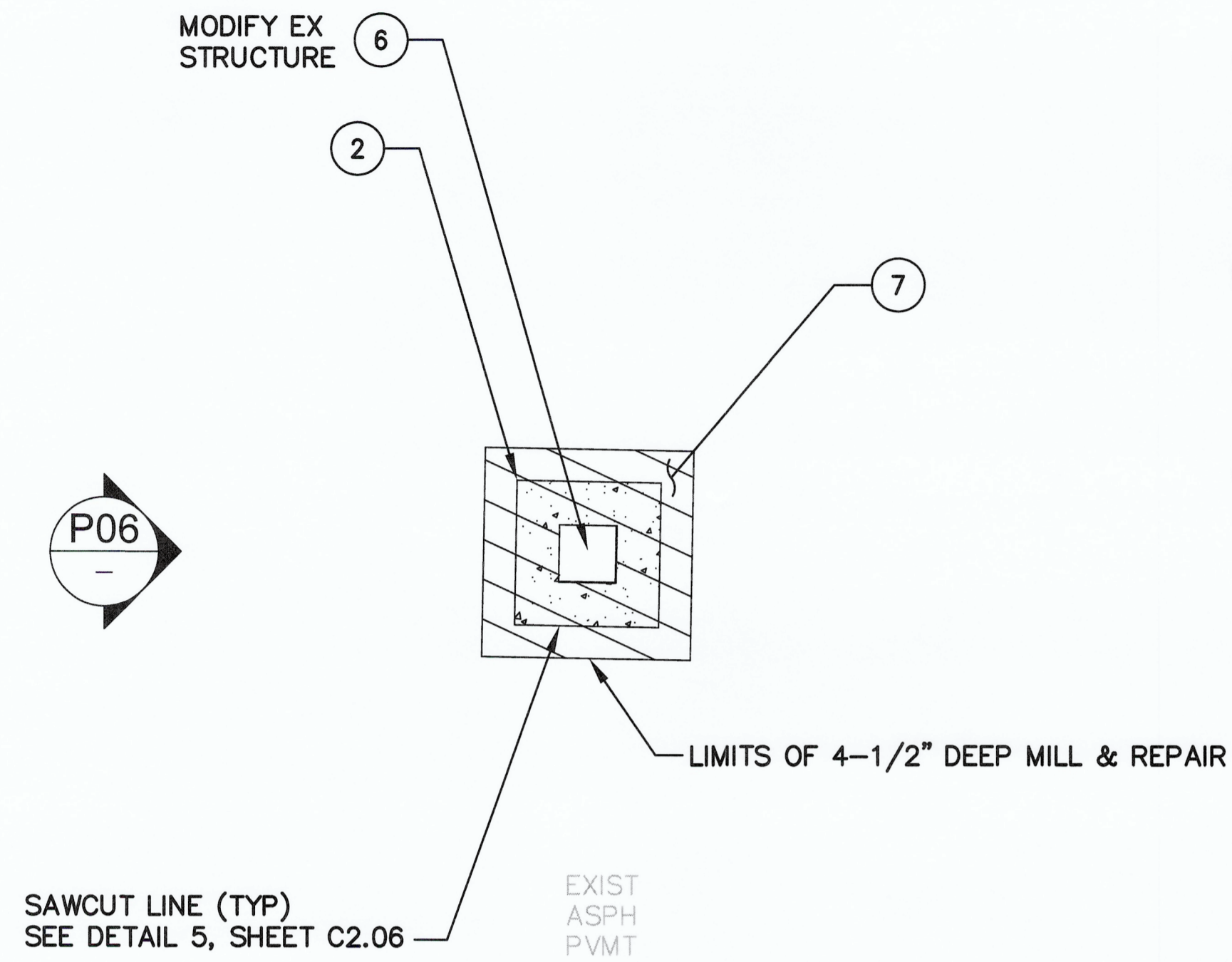
 Port of Tacoma <small>P.O. BOX 1887 TACOMA, WA 98401-1887</small>	 <small>S. GRAY REGISTERED PROFESSIONAL ENGINEER NO. 10000 STATE OF WASHINGTON</small>	<small>A. PATTERSON 4/6/22 CHECKED BY DATE</small> <small>S. GRAY 4/6/22 PROJ. ENGR DATE</small> <small>T. HOWARD DIRECTOR ENG. DATE</small> <small>PRINTED BY: cgreene Apr 06, 2022</small> <small>PORT ADDRESS: ONE SITCUM PLAZA TACOMA, WA 98401-1837</small>
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6635 C1.01 <small>SHEET 5 OF 16</small>	PIERCE COUNTY TERMINAL OPERATIONAL PAVEMENT REPAIRS 2022 <small>ENLARGED UTILITIES PLAN 01</small>	<small>TOWNSHIP: 20N RANGE: 3E SECTION: MLLW</small> <small>DAT-HRZ: NAD83/2007 VERT: MLLW</small> <small>PARCEL: DRAWING SCALE: AS NOTED</small>
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11 TYPICAL CB (TYPE 1L CB) & CPV (POWER VAULT)
SCALE: 1" = 5'



21 TYPICAL CB (TYPE 2 CB)
SCALE: 1" = 5'



6 TYPICAL SINGLE VALVE BOX (WATER VALVE BOX)
SCALE: 1" = 5'

STD CONSTRUCTION NOTES:

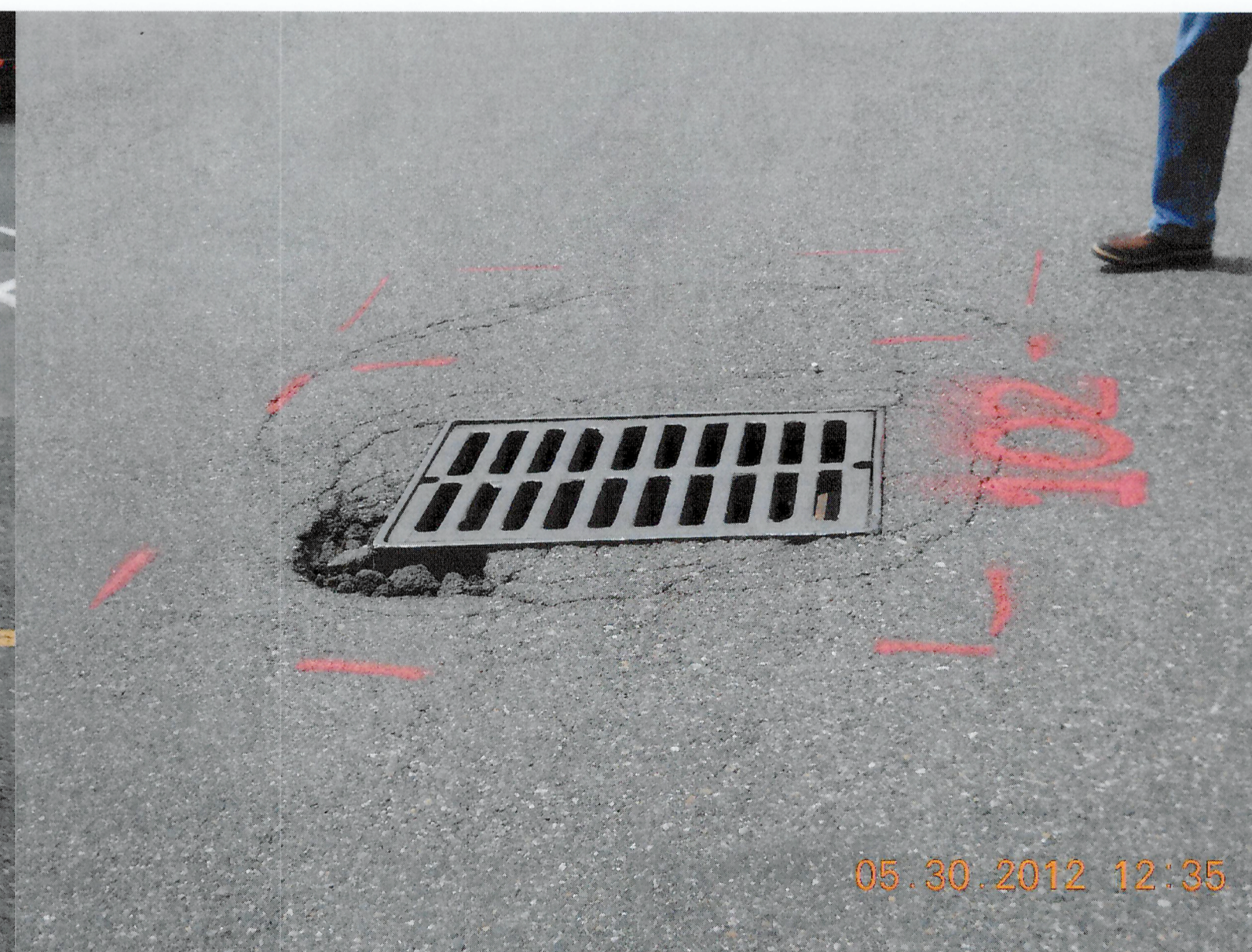
- 1 LIMITS OF ACP REMOVAL.
- 2 LIMITS OF REINF CONC SLAB.
- 3 ADJUST TYPE 1L CB AND RESTORE SURFACING, SEE DETAIL 1, SHEET C2.01.
- 4 ADJUST TYPE 2 CB AND RESTORE SURFACING, SEE DETAIL 2, SHEET C2.02.
- 5 ADJUST VAULT AND RESTORE SURFACING, SEE DETAIL 3, SHEET C2.03.
- 6 ADJUST WATER VALVE BOX AND RESTORE SURFACING, SEE DETAIL 4, SHEET C2.04.
- 7 RESTORE ACP.

NOTES:

1. EXISTING STRUCTURES ARE SHOWN AT ESTIMATED LOCATIONS, SIZE AND CONFIGURATION. CONTRACTOR SHALL FIELD VERIFY SITE CONDITIONS.
2. NOT EVERY STD CONSTRUCTION NOTE IS USED ON EVERY SHEET.
3. PROTECT WORK AREAS PER DETAIL 7, SHEET C2.06.



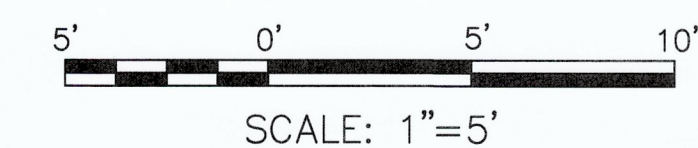
P11 TYPICAL SD & CPV



P21 TYPICAL CB

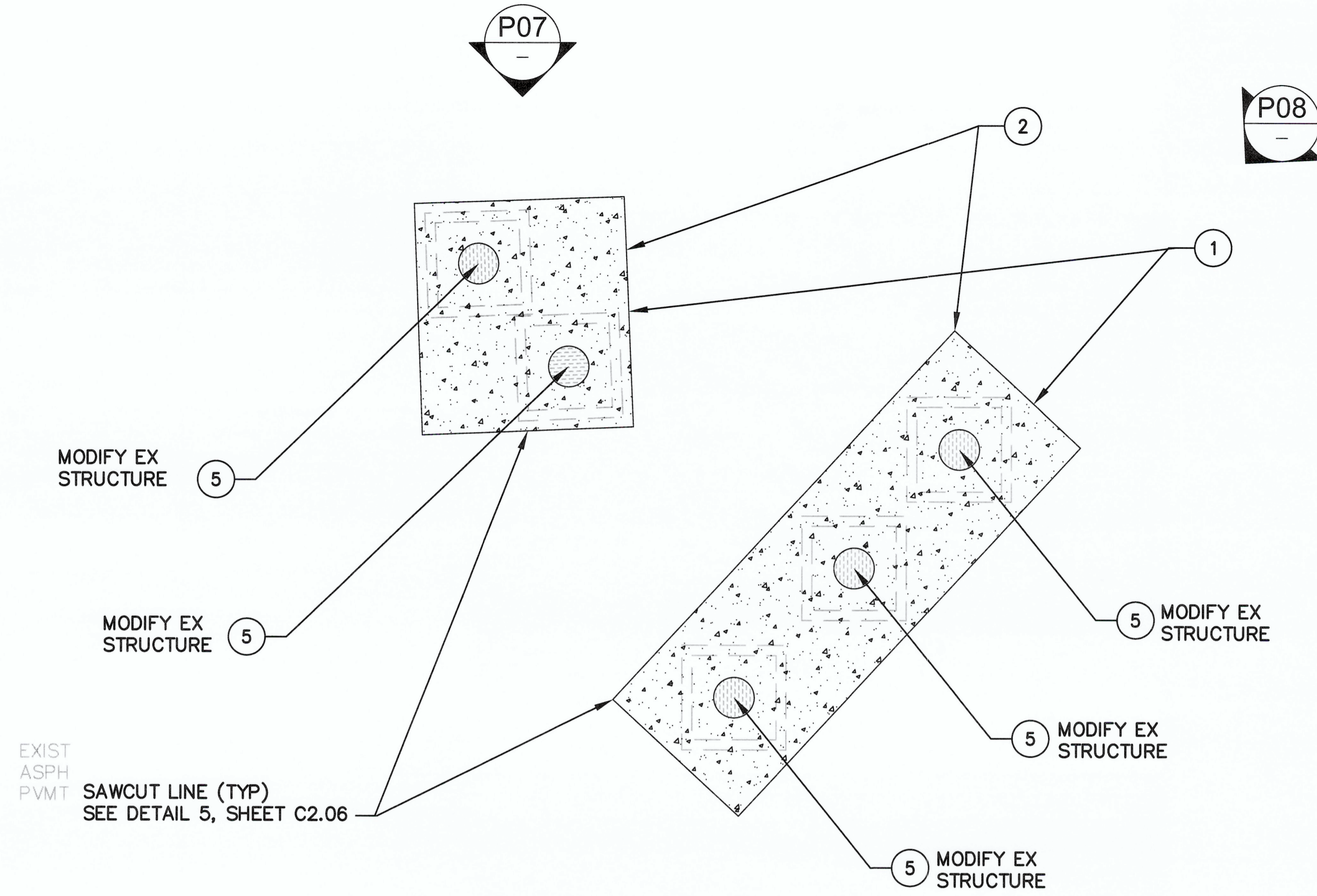


P06 TYPICAL VALVE BOX

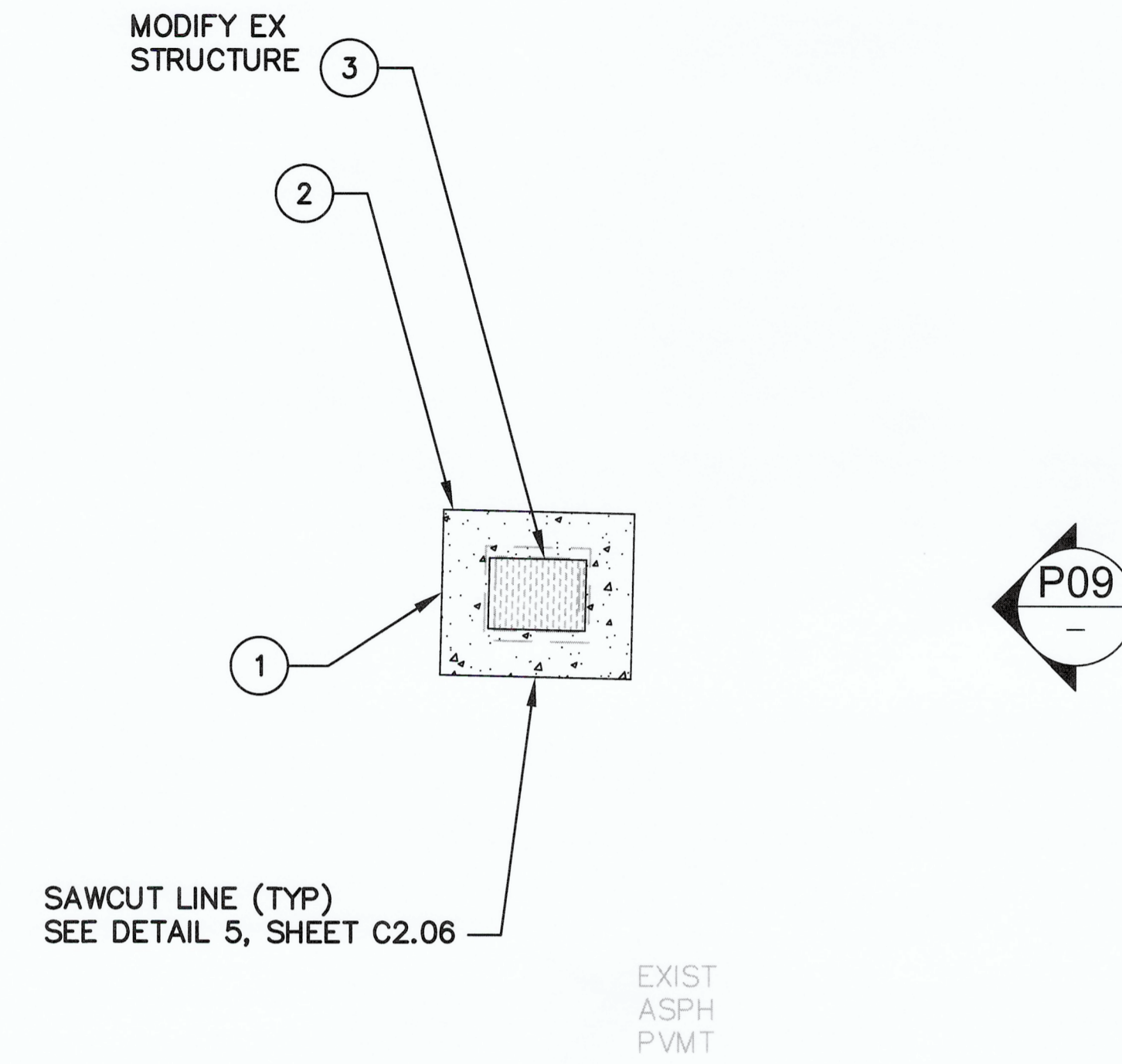


			A. PATTERSON 4/6/22 CHECKED BY DATE
	600 UNIVERSITY STREET, SUITE 610 TACOMA, WA 98401 (253) 622-9222	PIERCE COUNTY OPERATIONAL PAVEMENT REPAIRS 2022 ENLARGED UTILITIES PLAN 02	T. HOWARD DIRECTOR ENGR. DATE PRINTED BY: cgreene Apr 06, 2022 PORT ADDRESS: ONE SITCUM PLAZA TACOMA, WA 98401-1837
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BY:	REVISION:	TOWNSHIP: ZON DAT-HRZ: NAD83/2007 VERT: MLLW	RANGE: 3E SECTION:
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7 TYPICAL CPV, CPV, PV, PV & SV (ELEC / COMM VAULTS)
SCALE: 1" = 5'



9 TYPICAL CB (TYPE 1L CB)
SCALE: 1" = 5'

STD CONSTRUCTION NOTES:

- 1 LIMITS OF ACP REMOVAL.
- 2 LIMITS OF REINF CONC SLAB.
- 3 ADJUST TYPE 1L CB AND RESTORE SURFACING, SEE DETAIL 1, SHEET C2.01.
- 4 ADJUST TYPE 2 CB AND RESTORE SURFACING, SEE DETAIL 2, SHEET C2.02.
- 5 ADJUST VAULT AND RESTORE SURFACING, SEE DETAIL 3, SHEET C2.03.
- 6 ADJUST WATER VALVE BOX AND RESTORE SURFACING, SEE DETAIL 4, SHEET C2.04.

NOTES:

- 1. EXISTING STRUCTURES ARE SHOWN AT ESTIMATED LOCATIONS, SIZE AND CONFIGURATION. CONTRACTOR SHALL FIELD VERIFY SITE CONDITIONS.
- 2. NOT EVERY STD CONSTRUCTION NOTE IS USED ON EVERY SHEET.
- 3. PROTECT WORK AREAS PER DETAIL 7, SHEET C2.06.



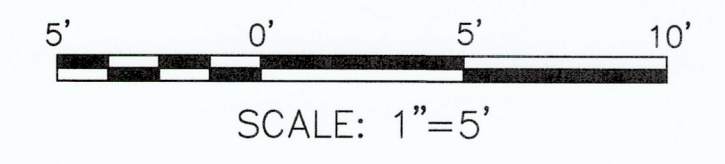
P07 TYPICAL CPV & CPV



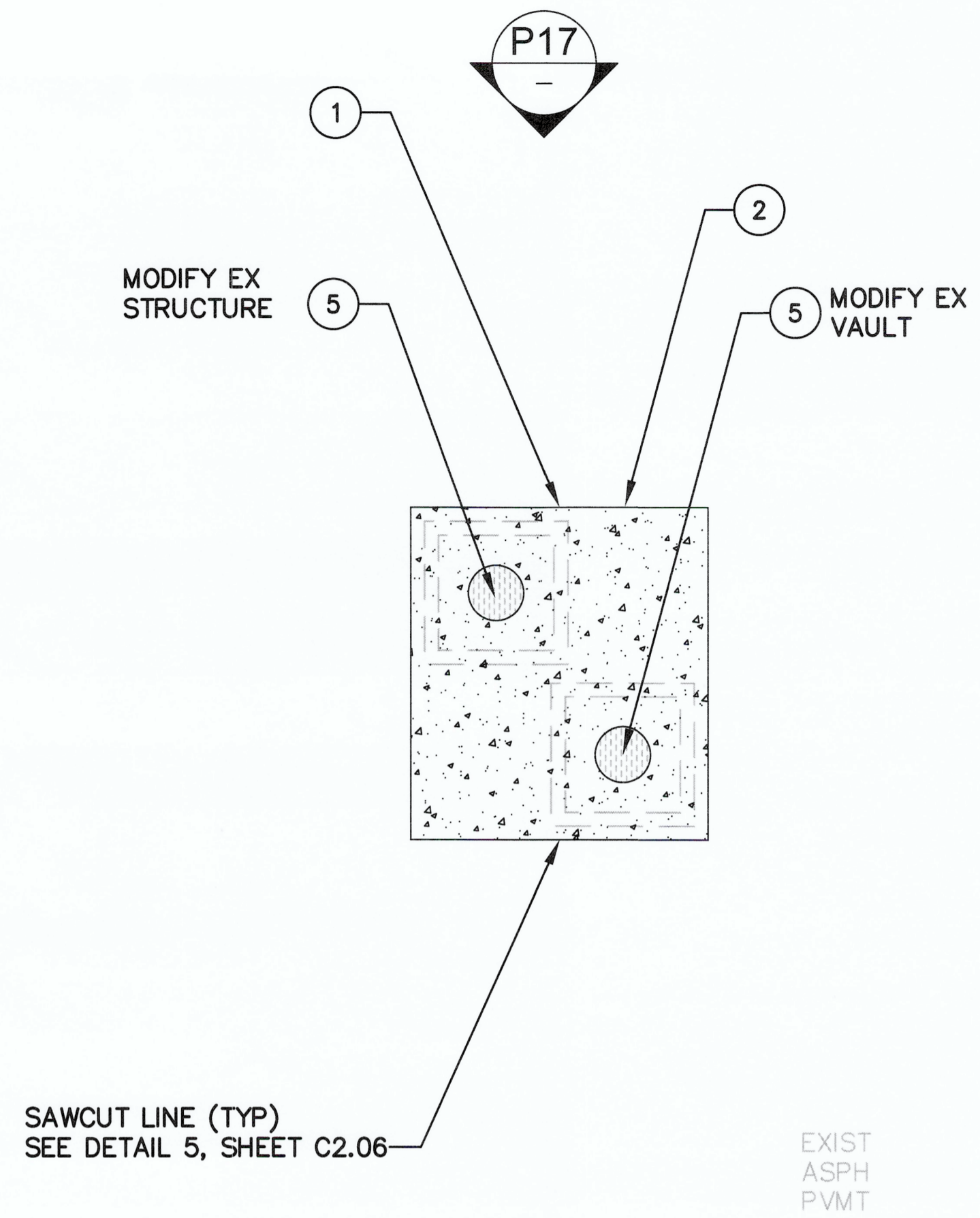
P08 TYPICAL PV, PV & SV



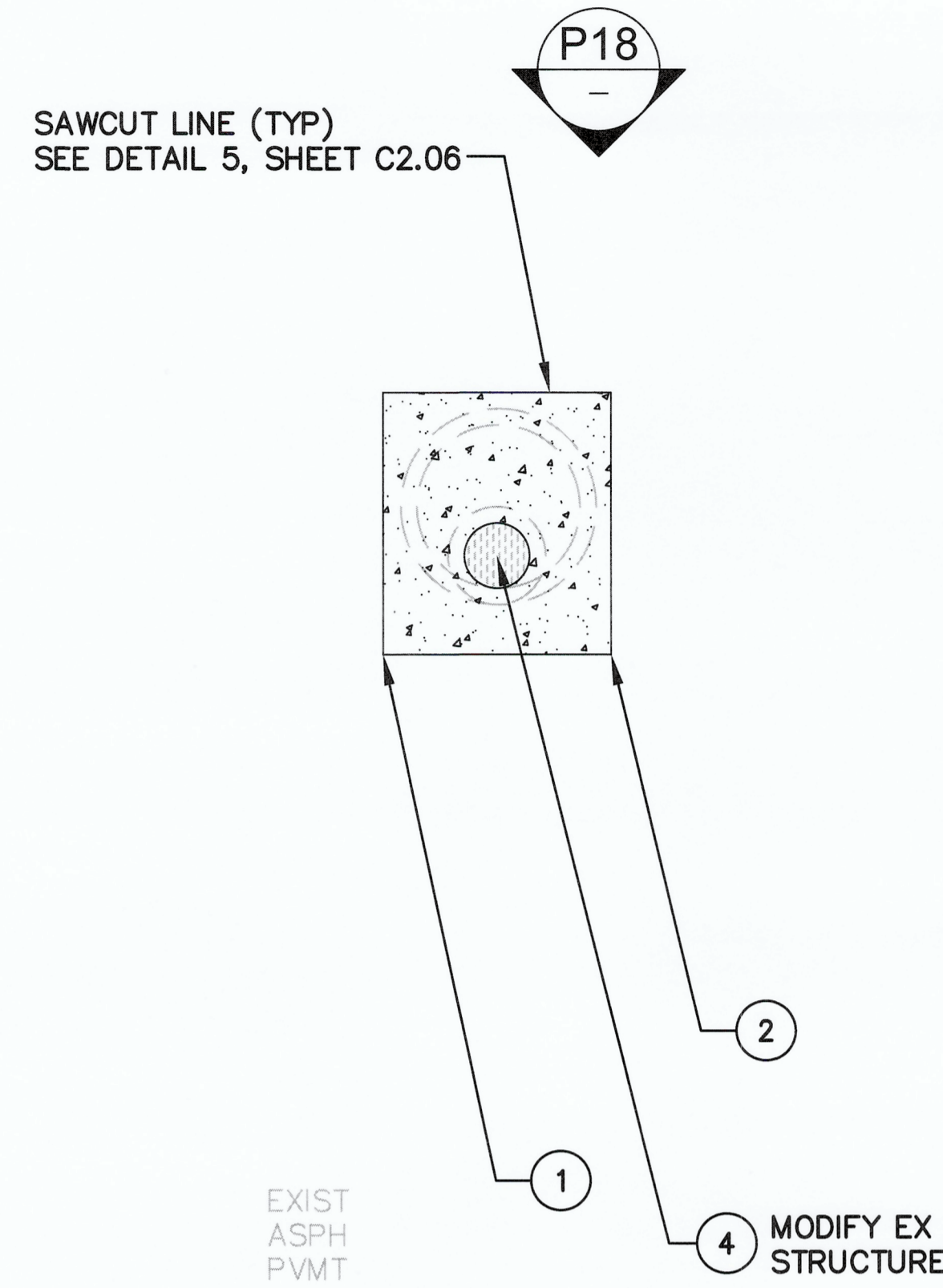
P09 TYPICAL CB



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PIERCE COUNTY TERMINAL OPERATIONAL PAVEMENT REPAIRS 2022 ENLARGED UTILITIES PLAN 03			
TOWNSHIP: 20N RANGE: 3E SECTION: MLLW	DRAWING SCALE: AS NOTED		
DAT-HRZ: NAD83 / 2007 VERT: MLLW			
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6635 C1.03 SHEET 7 OF 16	CONT/CONS: 071685 M. ID: 201038.01 PHASE: BID SET		



17 TYPICAL PV & SV (POWER / COMM VAULT)
SCALE: 1" = 5'



18 TYPICAL SD (TYPE 2 CB)
SCALE: 1" = 5'



P17 TYPICAL PV & SV



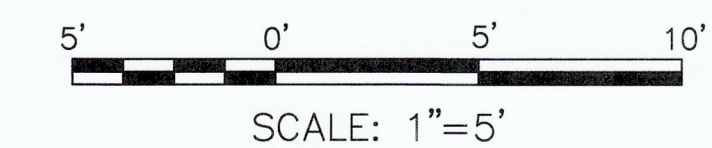
P18 TYPICAL CB

STD CONSTRUCTION NOTES:

- 1 LIMITS OF ACP REMOVAL.
- 2 LIMITS OF REINF CONC SLAB.
- 3 ADJUST TYPE 1L CB AND RESTORE SURFACING, SEE DETAIL 1, SHEET C2.01.
- 4 ADJUST TYPE 2 CB AND RESTORE SURFACING, SEE DETAIL 2, SHEET C2.02.
- 5 ADJUST VAULT AND RESTORE SURFACING, SEE DETAIL 3, SHEET C2.03.
- 6 ADJUST WATER VALVE BOX AND RESTORE SURFACING, SEE DETAIL 4, SHEET C2.04.

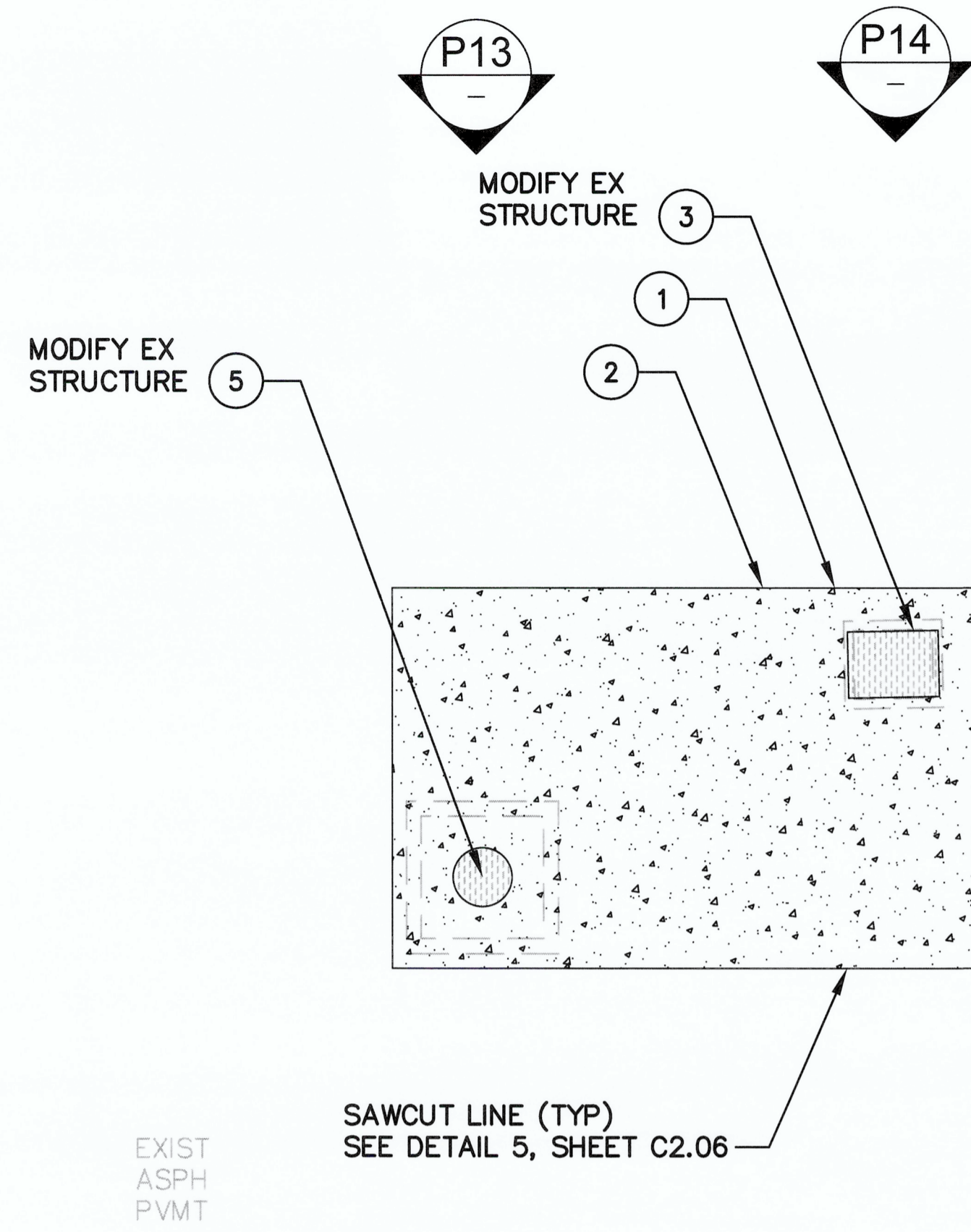
NOTES:

1. EXISTING STRUCTURES ARE SHOWN AT ESTIMATED LOCATIONS, SIZE AND CONFIGURATION. CONTRACTOR SHALL FIELD VERIFY SITE CONDITIONS.
2. NOT EVERY STD CONSTRUCTION NOTE IS USED ON EVERY SHEET.
3. PROTECT WORK AREAS PER DETAIL 7, SHEET C2.06.

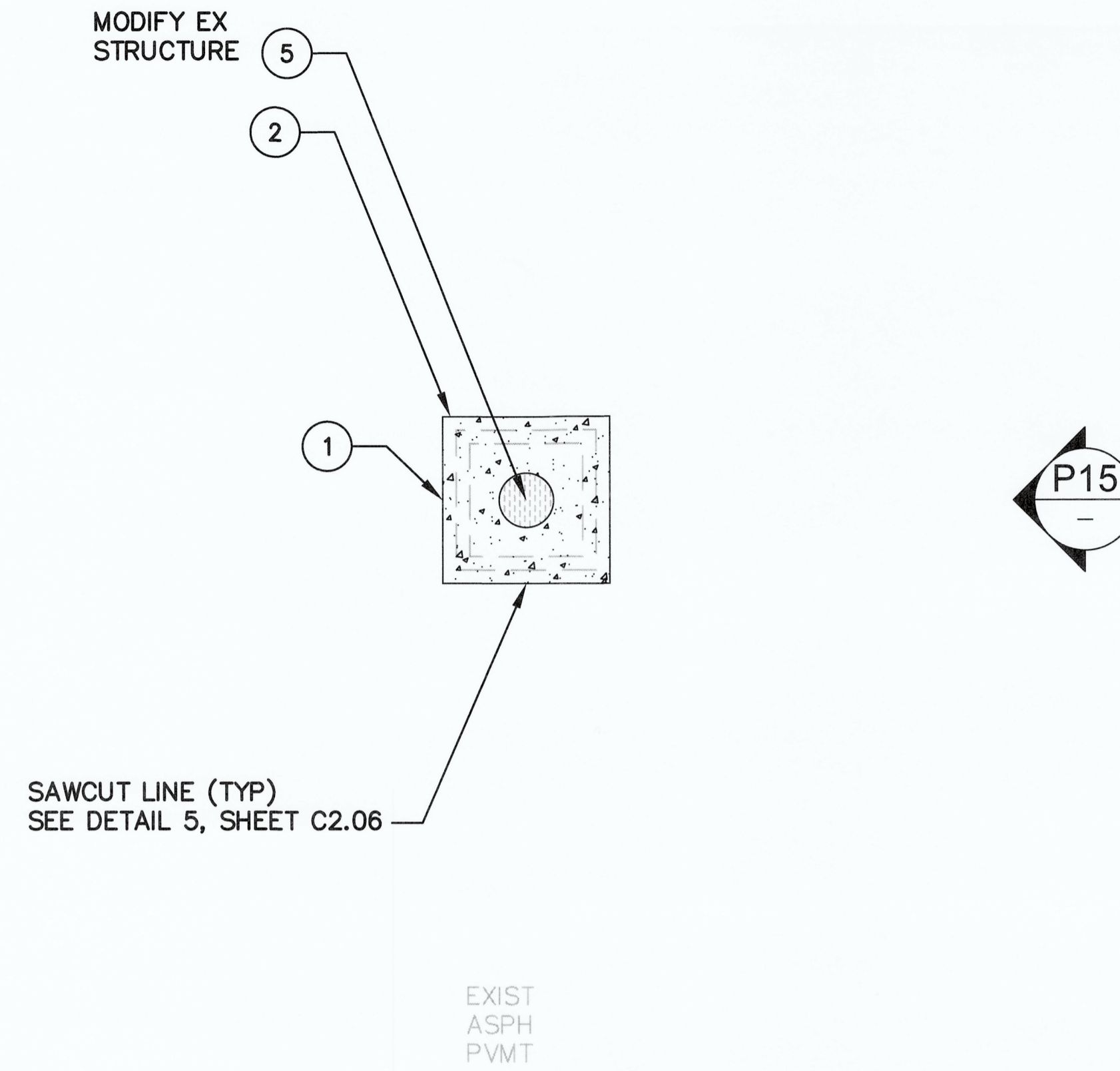


			A. PATTERSON 4/6/22 CHECKED BY DATE
	T. HOWARD DIRECTOR ENG. DATE		S. GRAY 4/6/22 PROJ. ENGR DATE
	APPROVED: <i>[Signature]</i>		
6635 C1.04 SHEET 8 OF 16	PIERCE COUNTY TERMINAL OPERATIONAL PAVEMENT REPAIRS 2022 ENLARGED UTILITIES PLAN 04	TOWNSHIP: 20N RANGE: 3E SECTION:	TACOMA, WA 98401-1837
CONT/CONS: 071685 M. ID: 201038.01 PHASE: BID SET	DAT-HRZN:AD83/2007 VERT: MLLW PARCEL:	PRINTED BY: cgreene Apr 06, 2022 PORT ADDRESS: ONE SITCUM PLAZA	MARK: REVISION: BY: DATE:

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13 TYPICAL CB (TYPE 1L CB) & CPV (POWER VAULT)
SCALE: 1" = 5'



15 TYPICAL FOV (POWER VAULT)
SCALE: 1" = 5'



P13 CPV



P14 TYPICAL CB



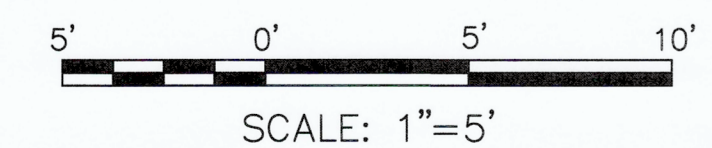
P15 TYPICAL FOV

STD CONSTRUCTION NOTES:

- 1 LIMITS OF ACP REMOVAL.
- 2 LIMITS OF REINF CONC SLAB.
- 3 ADJUST TYPE 1L CB AND RESTORE SURFACING, SEE DETAIL 1, SHEET C2.01.
- 4 ADJUST TYPE 2 CB AND RESTORE SURFACING, SEE DETAIL 2, SHEET C2.02.
- 5 ADJUST VAULT AND RESTORE SURFACING, SEE DETAIL 3, SHEET C2.03.
- 6 ADJUST WATER VALVE BOX AND RESTORE SURFACING, SEE DETAIL 4, SHEET C2.04.

NOTES:

1. EXISTING STRUCTURES ARE SHOWN AT ESTIMATED LOCATIONS, SIZE AND CONFIGURATION. CONTRACTOR SHALL FIELD VERIFY SITE CONDITIONS.
2. NOT EVERY STD CONSTRUCTION NOTE IS USED ON EVERY SHEET.
3. PROTECT WORK AREAS PER DETAIL 7, SHEET C2.06.

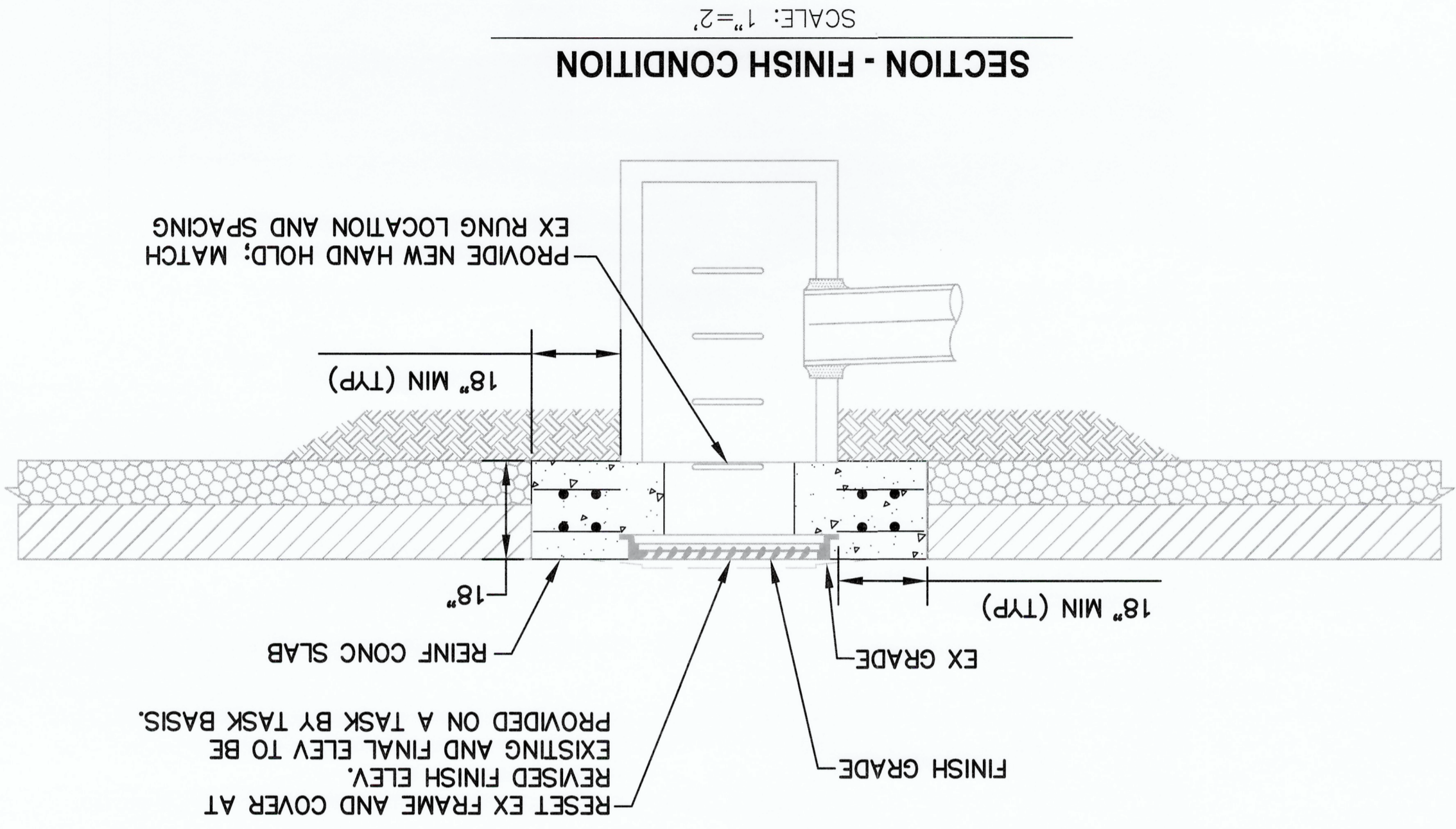
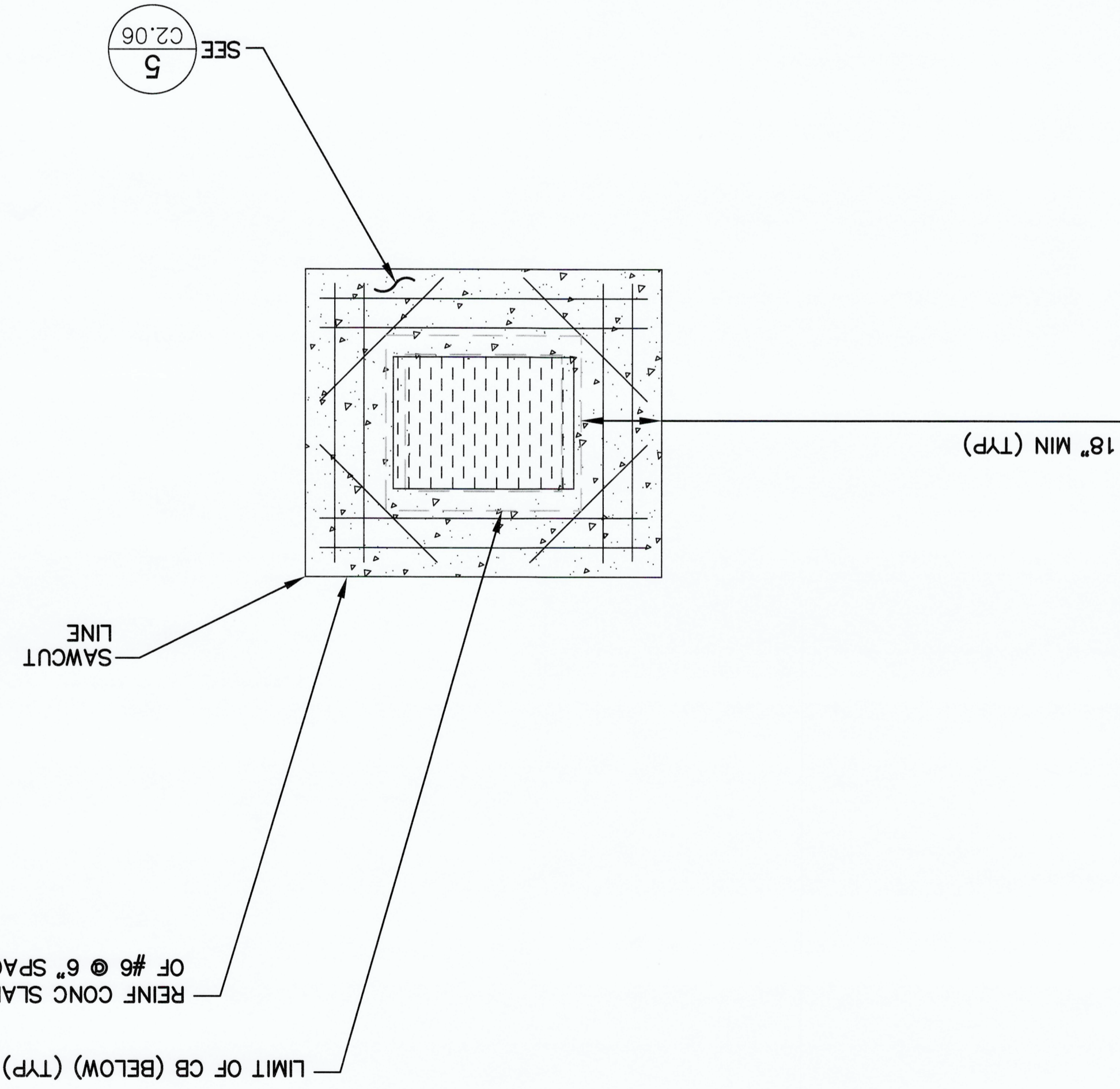


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	APPR:	
 600 UNIVERSITY STREET, SUITE 610 SEATTLE, WA 98101 (206) 462-0222	BY:	
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	MARK:	
	DATE:	4/6/22
APPROVED: <i>T. Howard</i> T. HOWARD DIRECTOR ENGR. DATE: cgreene Apr 06, 2022 PRINTED BY: cgreene PORT ADDRESS: ONE SITCUM PLAZA TACOMA, WA 98401-1837		
PIERCE COUNTY TERMINAL OPERATIONAL PAVEMENT REPAIRS 2022 ENLARGED UTILITIES PLAN 05		
TOWNSHIP: 20N RANGE: 3E DAT-HRZ: NAD83/2007 VERT: MLLW PARCEL:	SECTION: DRAWING SCALE: AS NOTED	CHECKED BY: A. PATTERSON 4/6/22 DATE: 4/6/22 PROJ. ENGR. DATE: Apr 06, 2022
6635 C1.05 SHEET 9 OF 16	CONT/CONS: 071685 M. ID: 201038.01 PHASE: BID SET	

1
VARIES

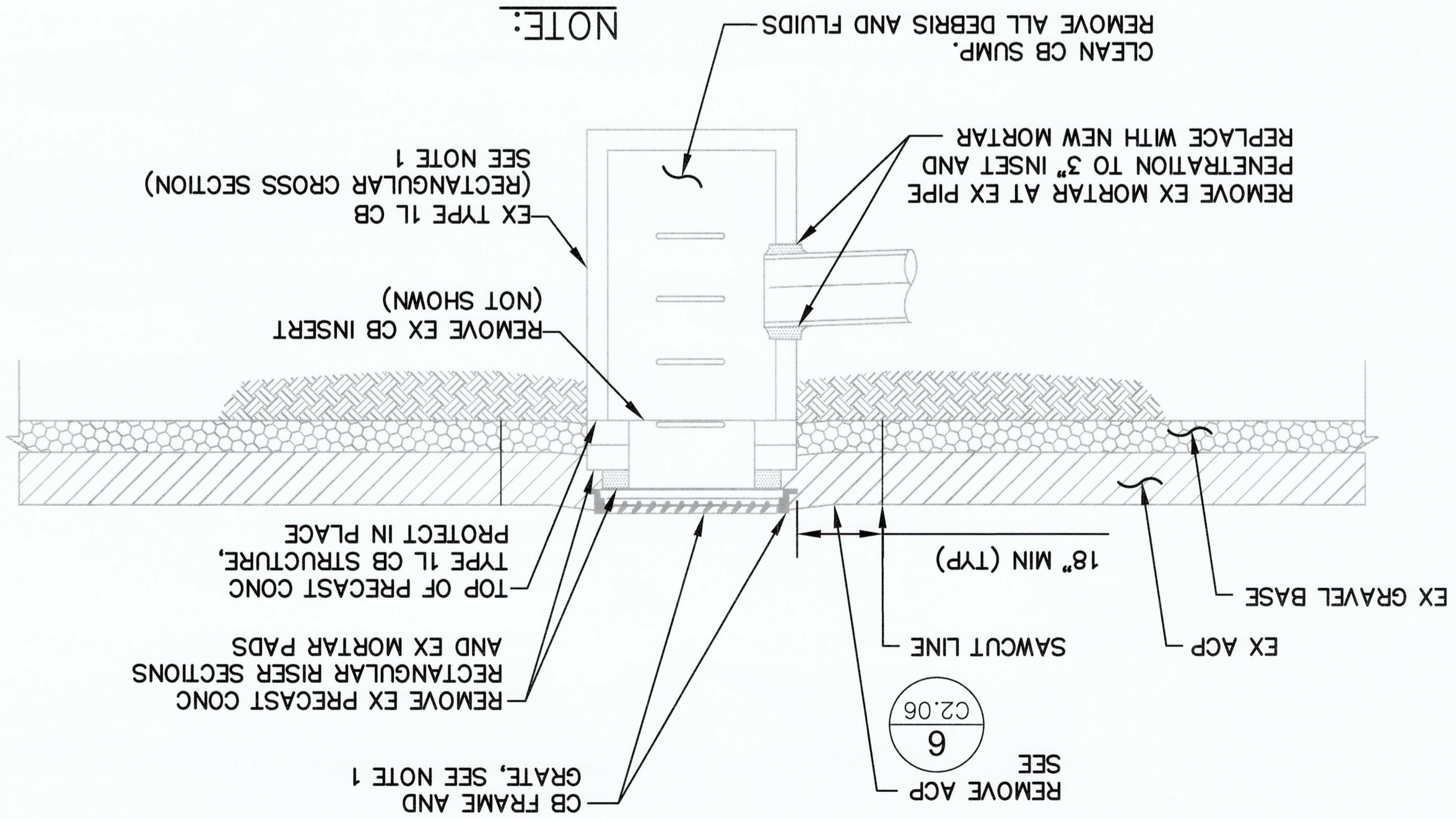
TYPICAL REHABILITATION OF TYPE 1L CB

SCALE: 1"=2'
PLAN

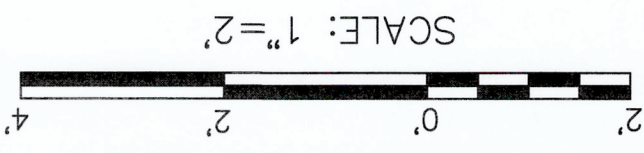


SCALE: 1"=2'
SECTION - EXISTING CONDITION AND PREPARATION

1. DIMENSIONS OF EXISTING FRAMES AND GRATES ARE APPROX 27" X 37"; INTERNAL DIMENSIONS OF TYPE 1L CB ARE 28" X 32".

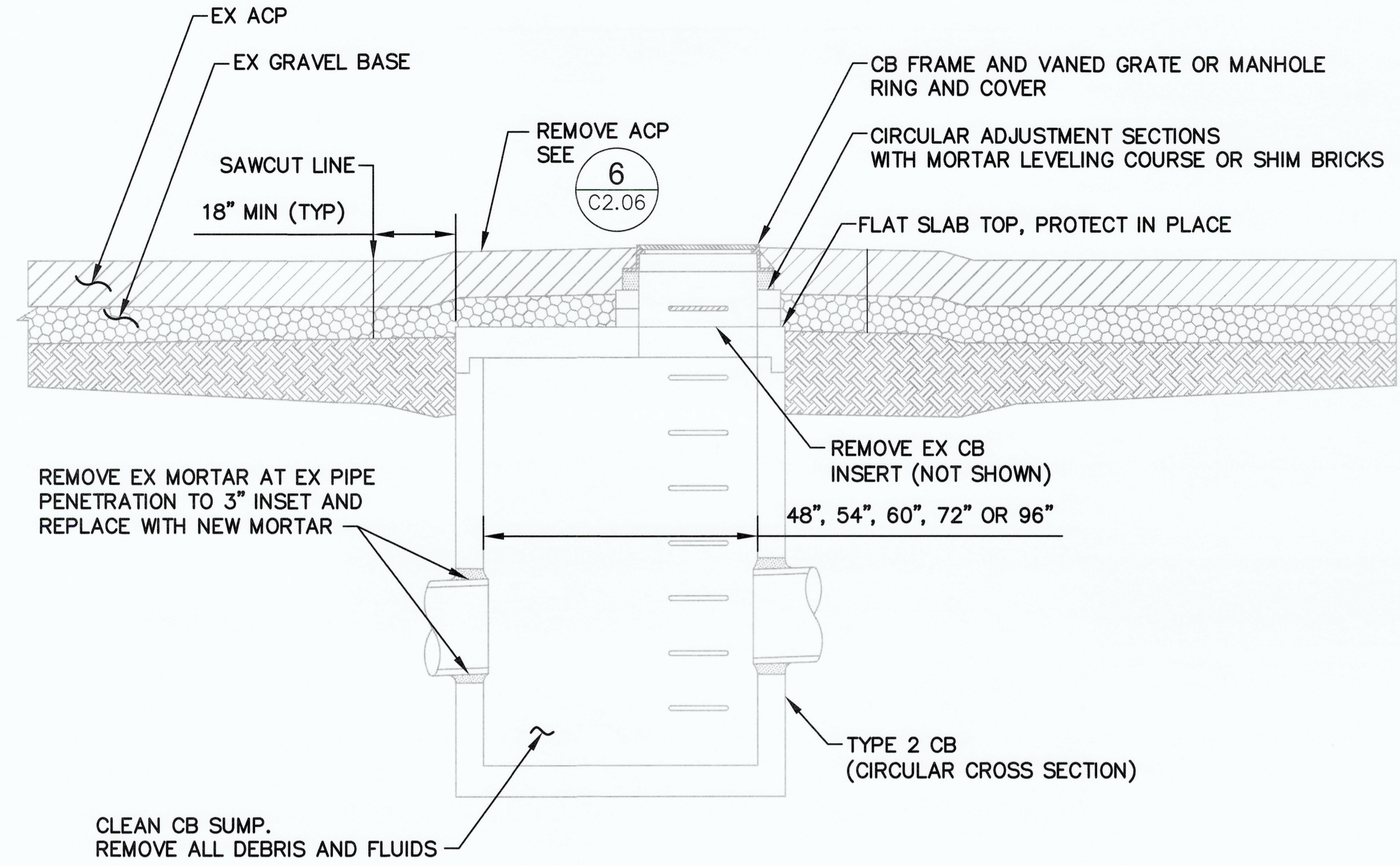
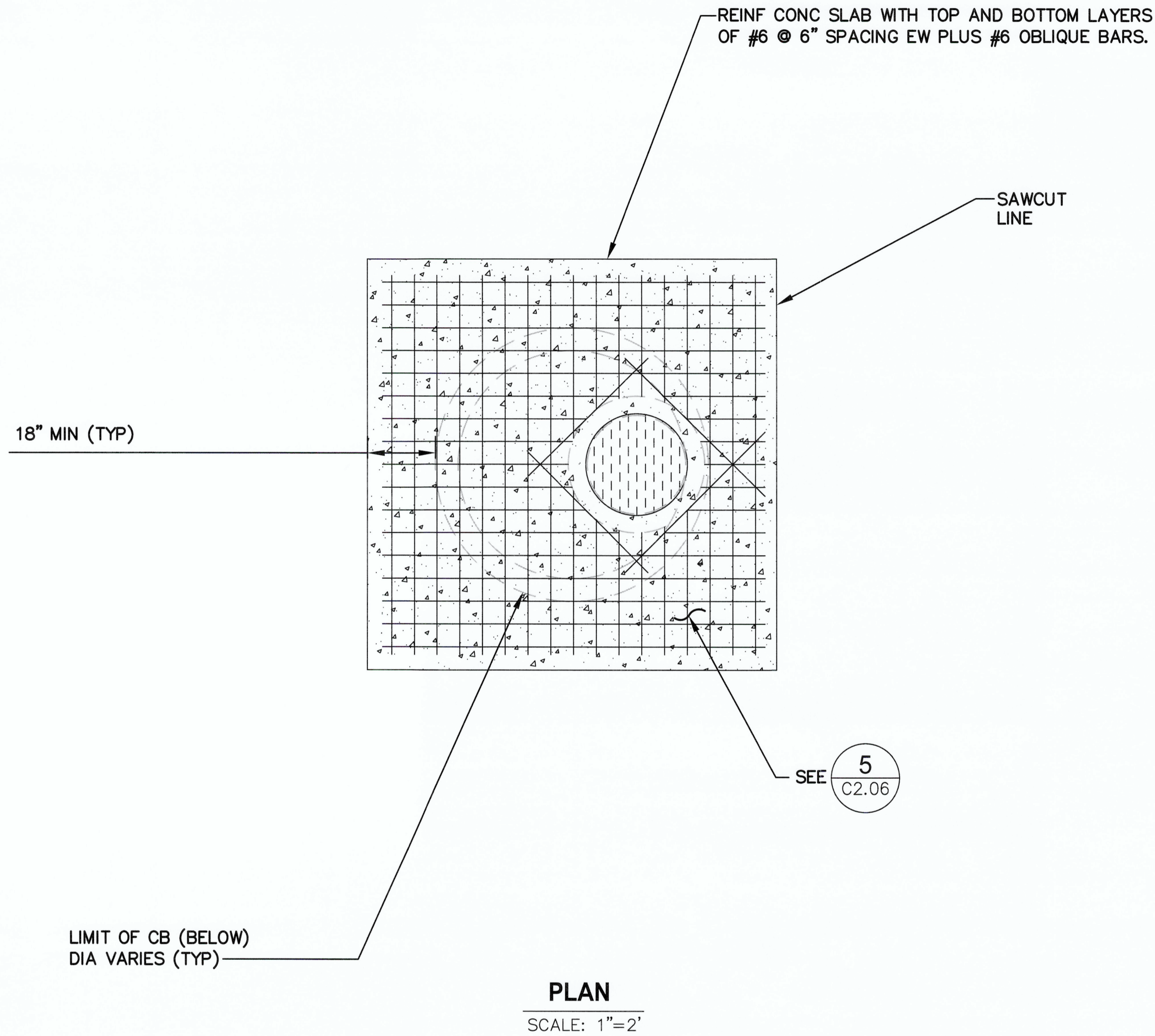


NOTE:

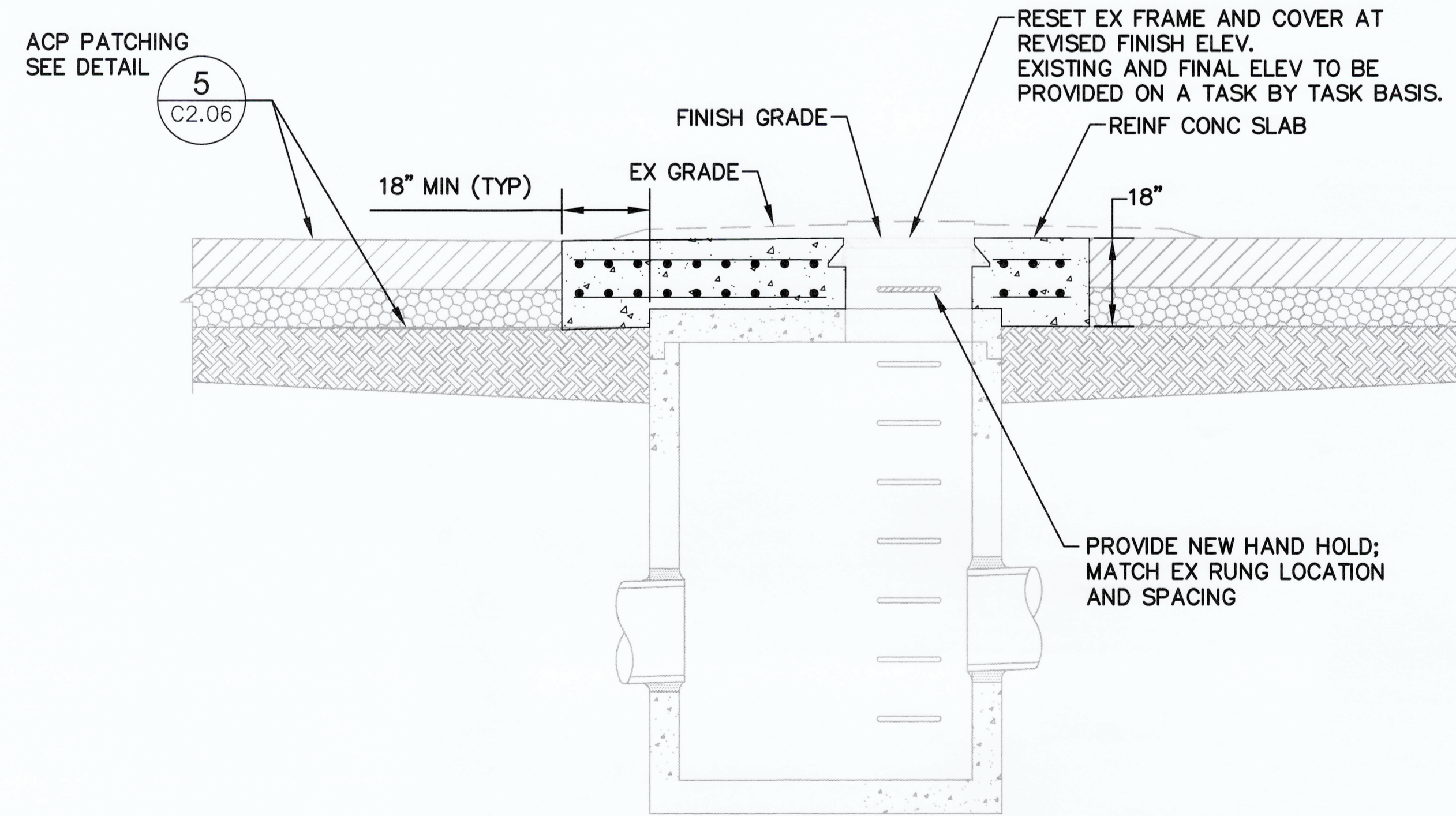


6635 C2.01 SHEET 10 OF 16		PIERCE COUNTY TERMINAL OPERATIONAL PAVEMENT REPAIRS 2022 SITE DETAILS 01		APPROVED: <i>[Signature]</i> T. HOWARD DIRECTOR ENG. DATE PRINTED BY: ggreene Apr 06, 2022 PORT ADDRESS: ONE SITCUM PLAZA TACOMA, WA 98401-1837	
CONT./CONS: 071685	TOWNSHIP: 20N	RANGE: 3E	SECTION:	A. PATTERSON 4/6/22	CHECKED BY: S. GRAY 4/6/22
M. ID: 201038.01	DATE-HRZ: 2/2007	VERT: MILLW	SECTION:	DATE: 4/6/22	DATE: 4/6/22
PHASE: BID SET	PARCEL:	DRAWING SCALE: AS NOTED			

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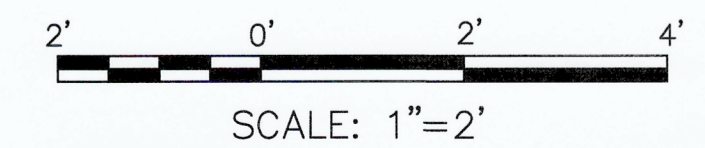


SECTION - EXISTING CONDITION
SCALE: 1"=2'



SECTION - FINISH CONDITION
SCALE: 1"=2'

2 VARIES TYPICAL REHABILITATION OF TYPE 2 CB



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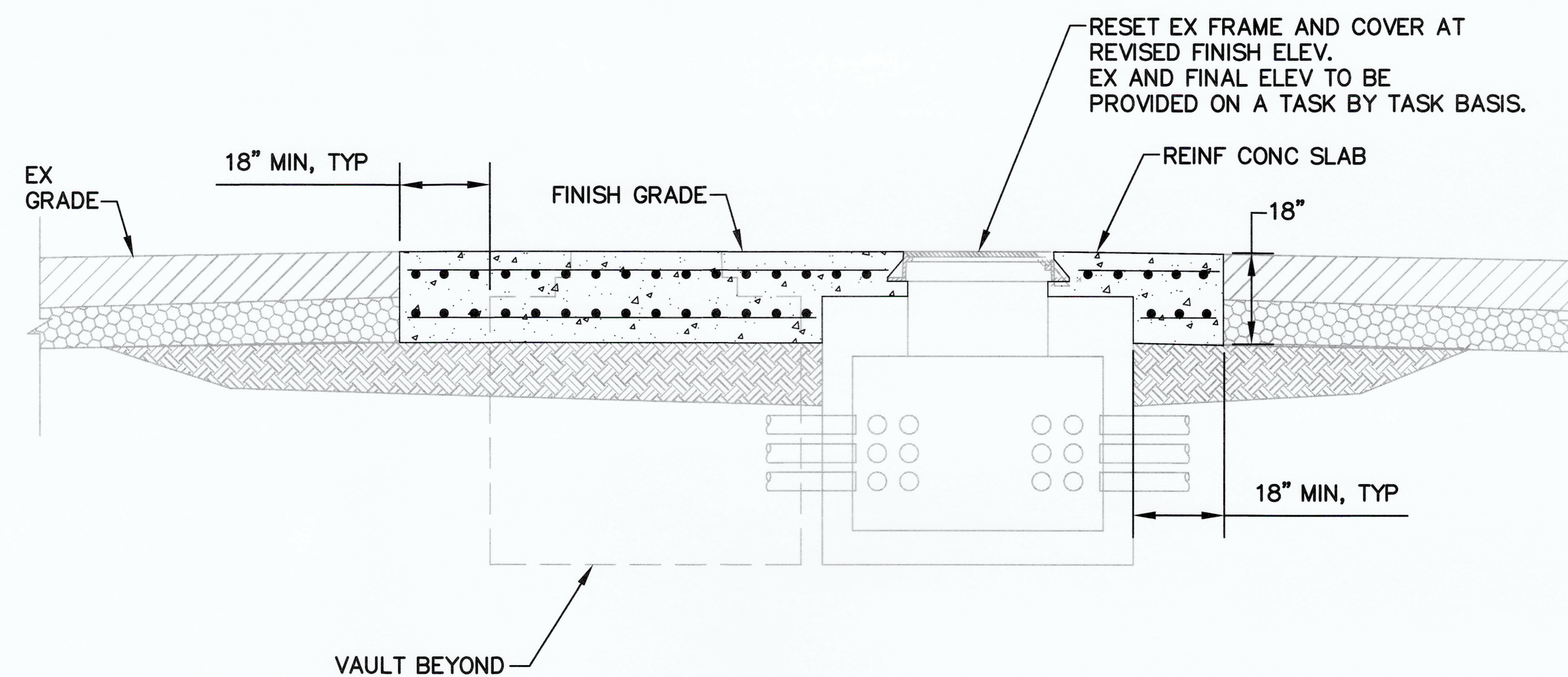
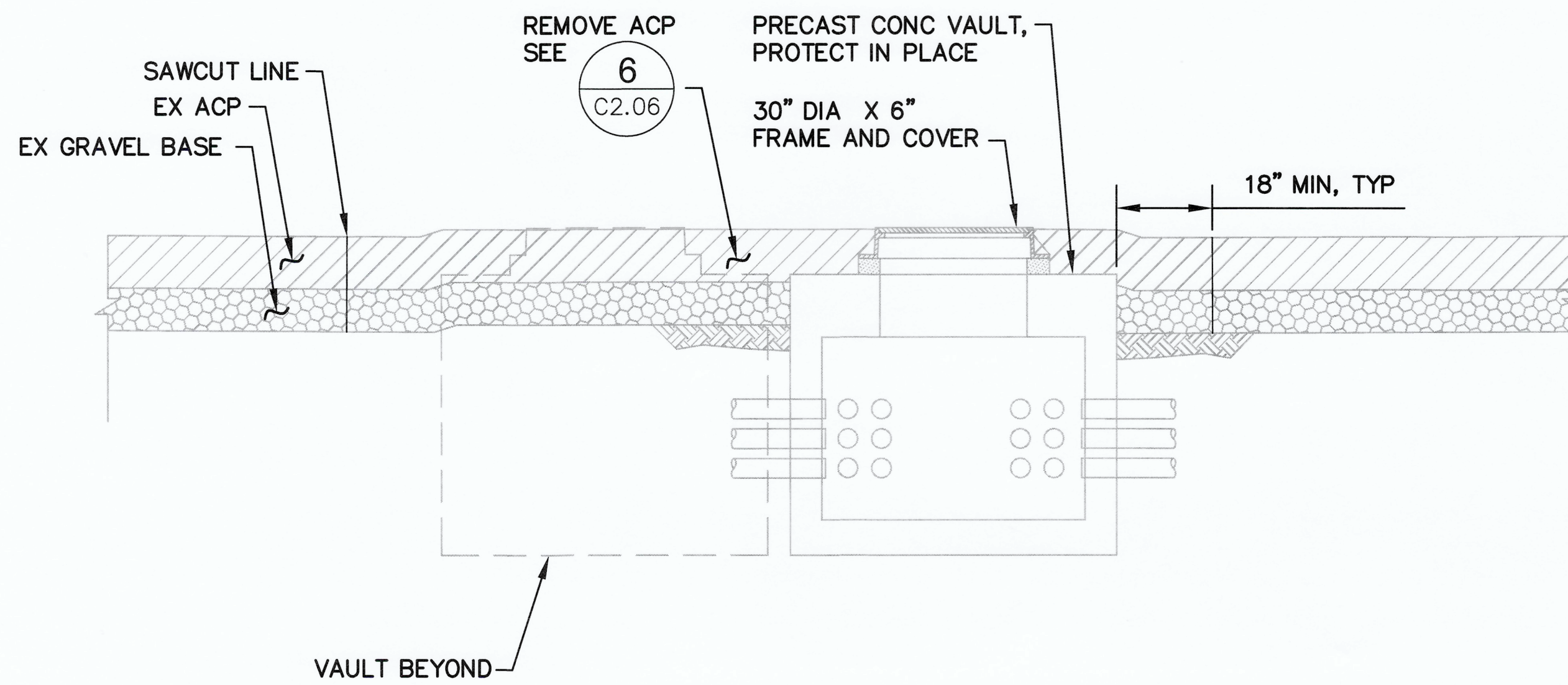
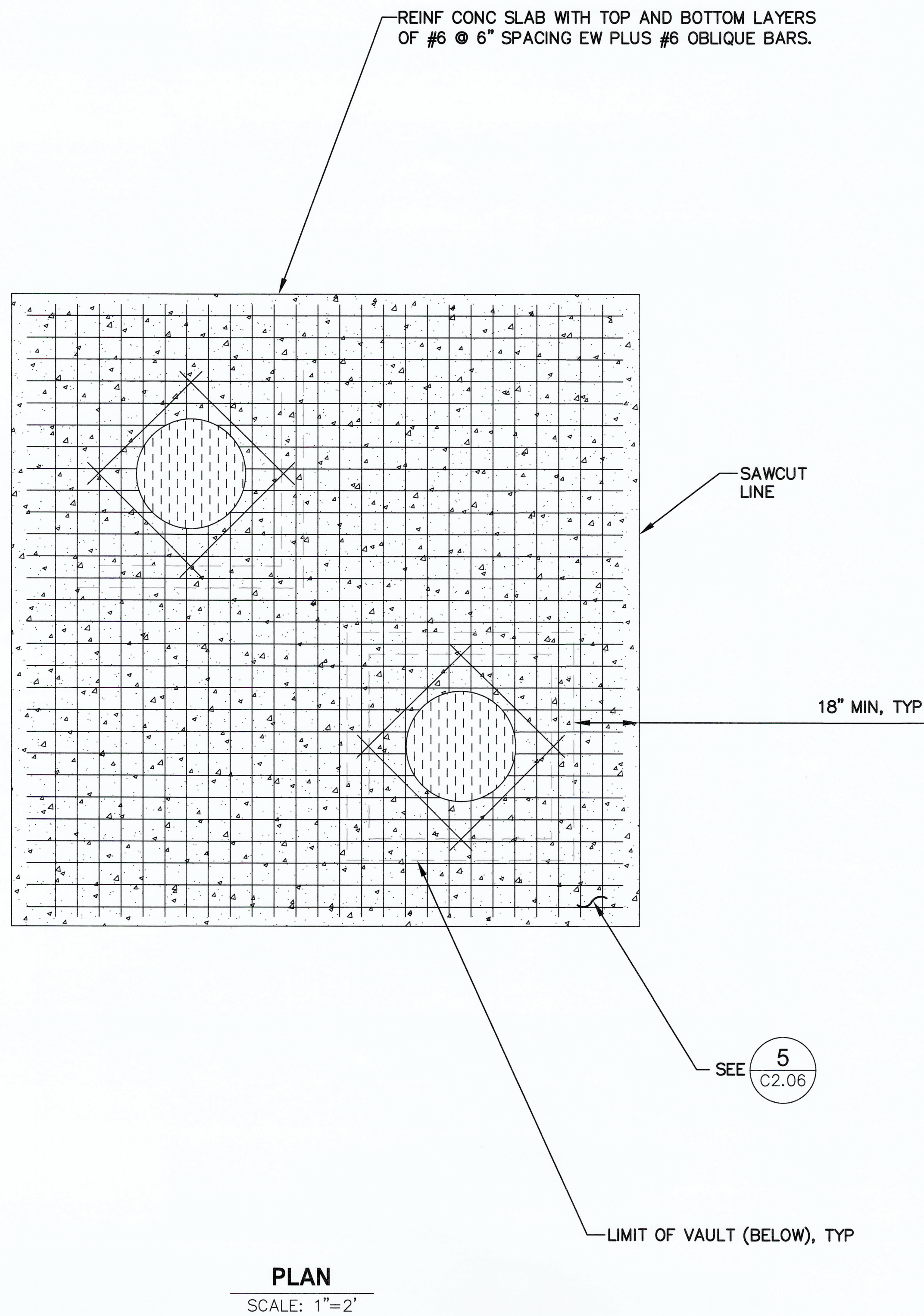


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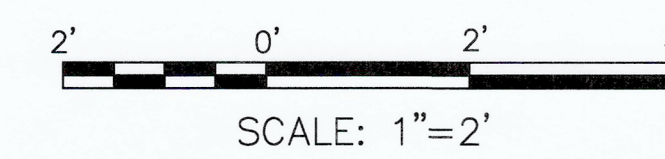
**PIERCE COUNTY TERMINAL
OPERATIONAL PAVEMENT REPAIRS 2022**
SITE DETAILS 02

6635
C2.02
SHEET 11 OF 16

CONTR/CONS: 071685	TOWNSHIP: 20N	RANGE: 3E	SECTION: 3E	DATE: 201038.01	DATE: 4/6/22
M. ID: 201038.01	DAT-HRZN: AD83/2007	VERT: MLLW	PARCEL: AS NOTED	MARK: REVISION:	BY: DATE:
PHASE: BID SET	DRAWING SCALE: AS NOTED	DATE: 4/6/22	APPR: DATE:	BY: DATE:	DATE:



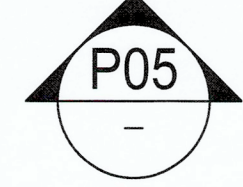
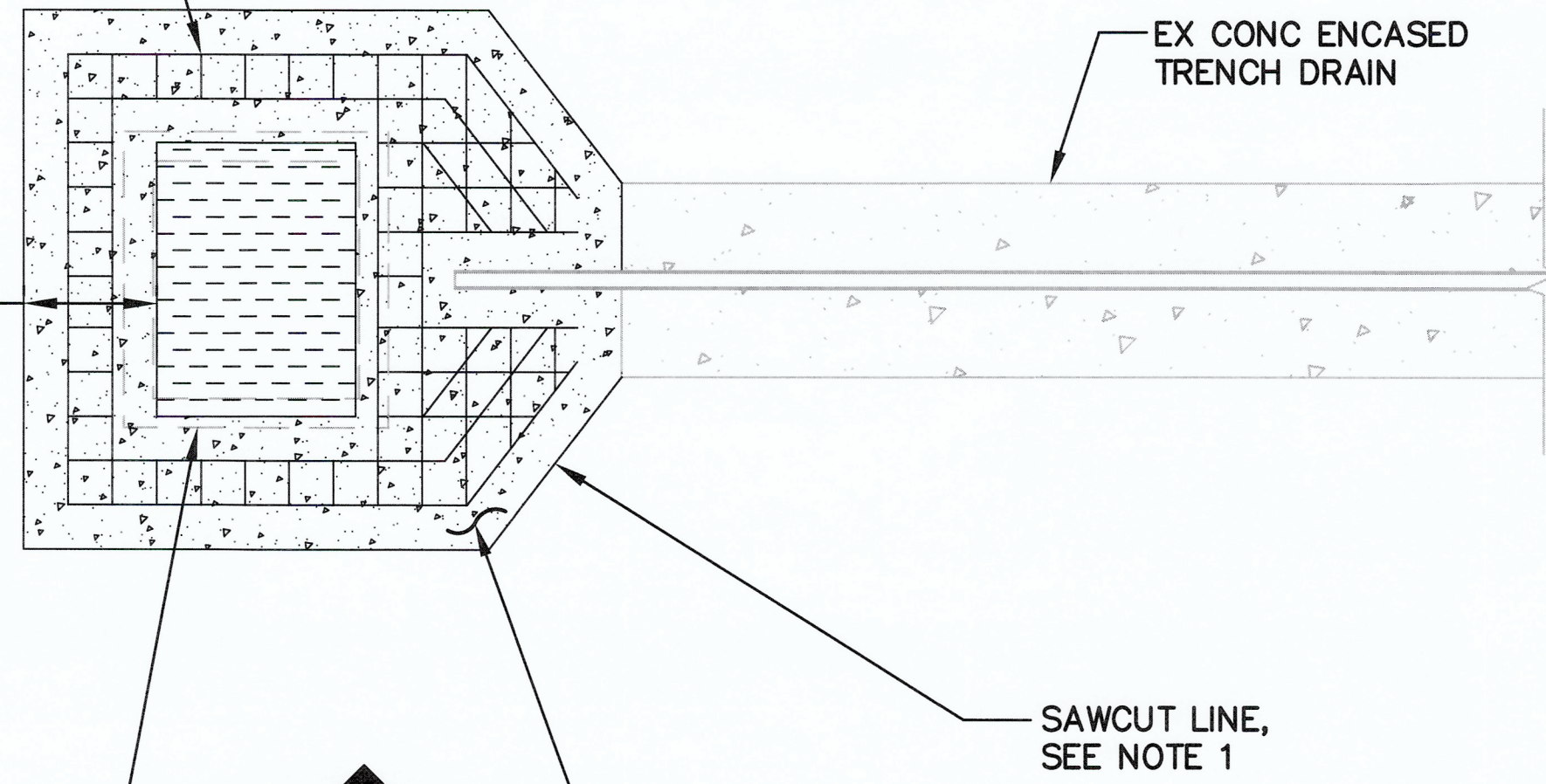
3 TYPICAL REHABILITATION OF VAULT
VARIES



			A. PATTERSON 4/6/22 CHECKED BY DATE
	800 UNIVERSITY STREET, SUITE 610 SEATTLE, WA 98101 (206) 622-0222	LEF GRAY WASHINGTON STATE REGISTERED PROFESSIONAL ENGINEER 416722	S. GRAY 4/6/22 PROJ. ENGR DATE
6635 SHEET 12 OF 16 C2.03	PIERCE COUNTY TERMINAL OPERATIONAL PAVEMENT REPAIRS 2022 SITE DETAILS 03	T. HOWARD DIRECTOR ENG. DATE PRINTED BY: cgreene Apr 06, 2022 PORT ADDRESS: ONE SITCUM PLAZA TACOMA, WA 98401-1837	TOWNSHIP: 20N RANGE: 3E SECTION: MLLW DAT-HRZ: NAD83/2007 VERT: MLLW DRAWING SCALE: AS NOTED
CONT/CONS: 071685 M. ID: 201038.01 PHASE: BID SET	MARK: REVISION: BY: DATE:	APPROVED: <i>[Signature]</i>	THIS DRAWING IS THE PROPERTY OF THE PORT OF TACOMA AND SHALL NOT BE USED ON OTHER WORK, DISCLOSED, COPIED, IN WHOLE OR IN PART, WITHOUT WRITTEN PERMISSION

REINF CONC SLAB WITH TOP AND BOTTOM LAYERS OF #6 @ 6" SPACING EW PLUS #6 OBLIQUE BARS

18" MIN (TYP)



SEE 5 C2.06

PLAN

SCALE: 1"=2'



PHOTO - EXAMPLE EXISTING CONDITION

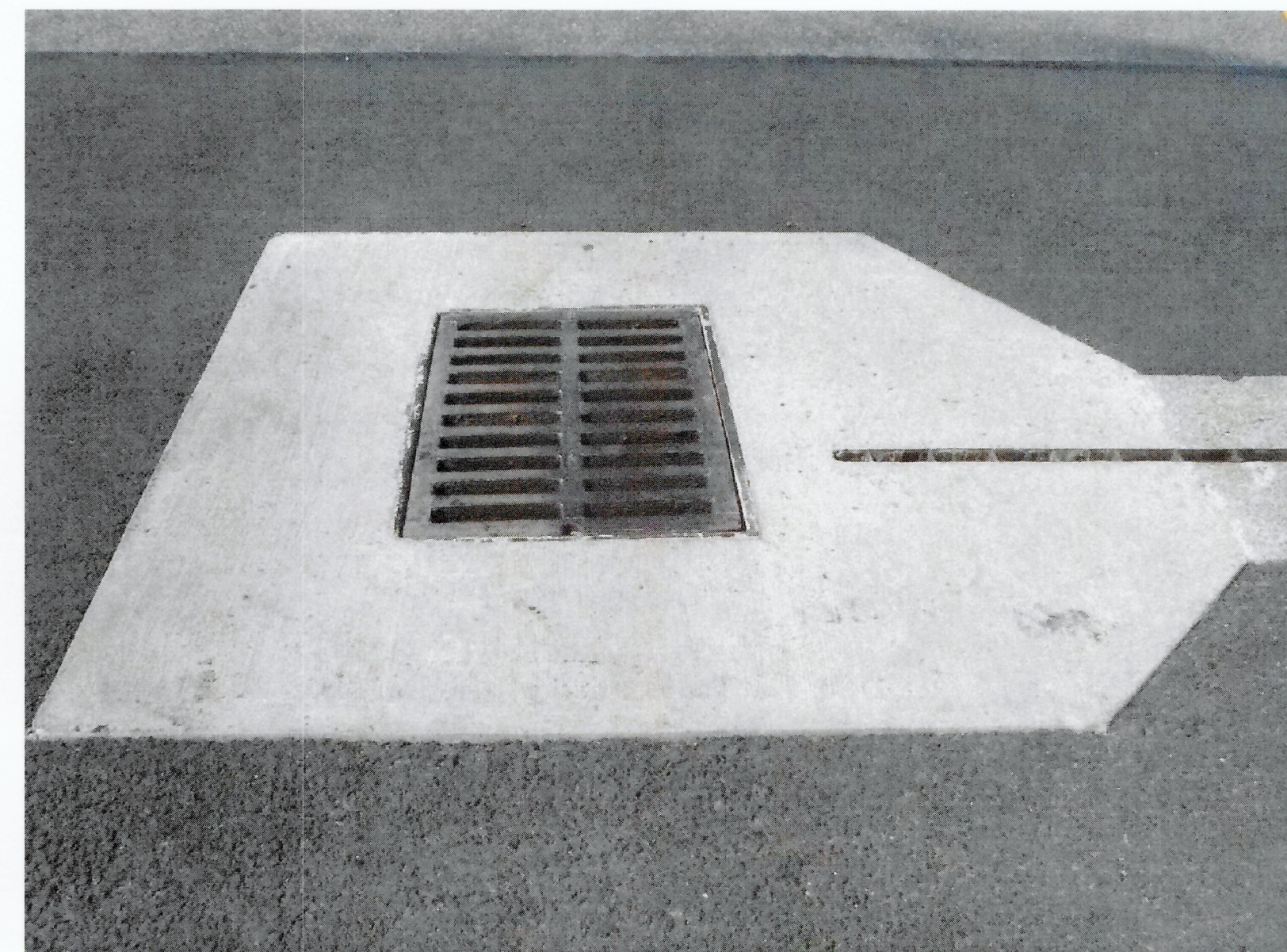
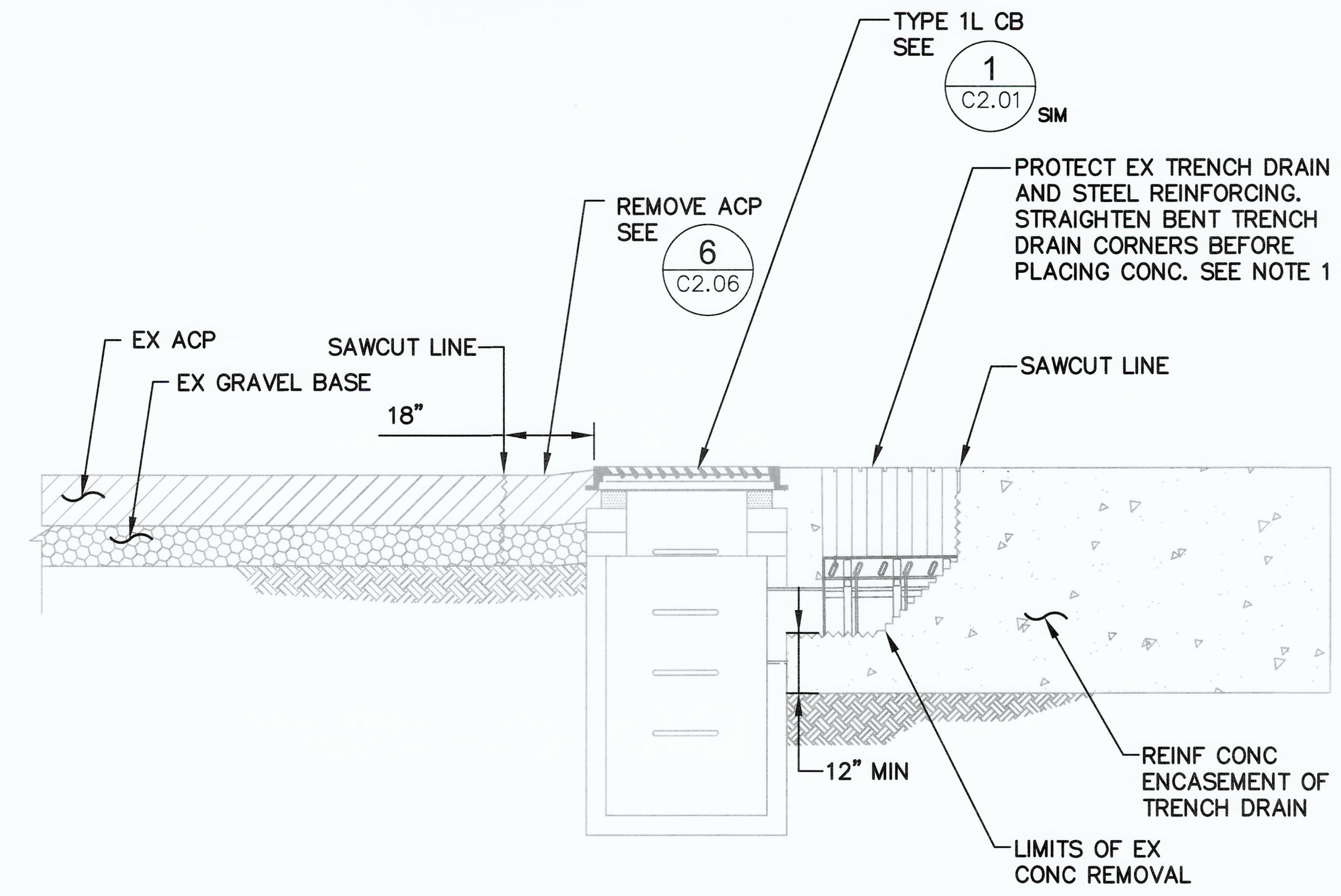


PHOTO - EXAMPLE FINISH CONDITION

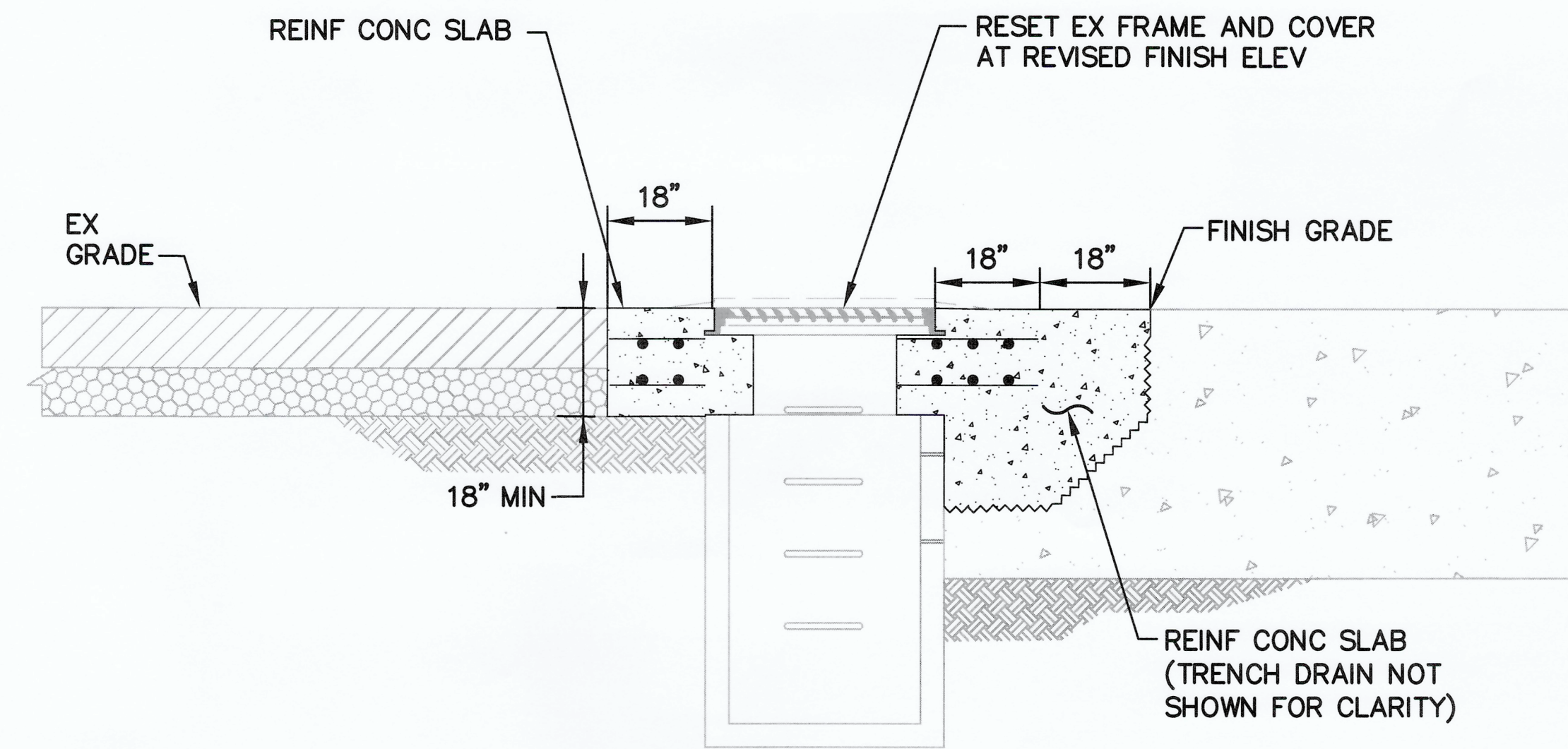
P05 TYPICAL TYPE 1L CB WITH TRENCH DRAIN
NO SCLAE

5 TYPICAL REHABILITATION OF TYPE 1L CATCH BASIN WITH TRENCH DRAIN
VARIES



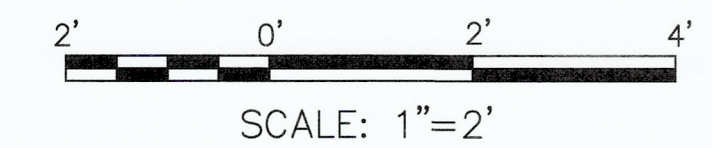
SECTION - EXISTING CONDITION AND PREPARATION

SCALE: 1"=2'



SECTION - FINISH CONDITION

SCALE: 1"=2'



SCALE: 1"=2'

NOTE:

1. SAWCUT TOP 3 INCHES OF EXISTING REINFORCED CONCRETE TRENCH DRAIN STRUCTURE AT THE LOCATION INDICATED. DO NOT DAMAGE EXISTING TRENCH DRAIN EMBEDDED METAL RISER OR PIPE SECTIONS. JACK HAMMER TO REMOVE LOOSE CONCRETE AND PROVIDE A SOLID BASE SURFACE. MAINTAIN REINFORCING STEEL FOR USE IN NEW REINFORCED CONCRETE SLAB. APPLY BONDING AGENT TO EXISTING CONCRETE SURFACES. PROVIDE ADDITIONAL REINFORCEMENT AS DIRECTED BY THE ENGINEER.



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 DATE: 4/6/22
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 DATE: Apr 06, 2022
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 TACOMA, WA 98401-1837

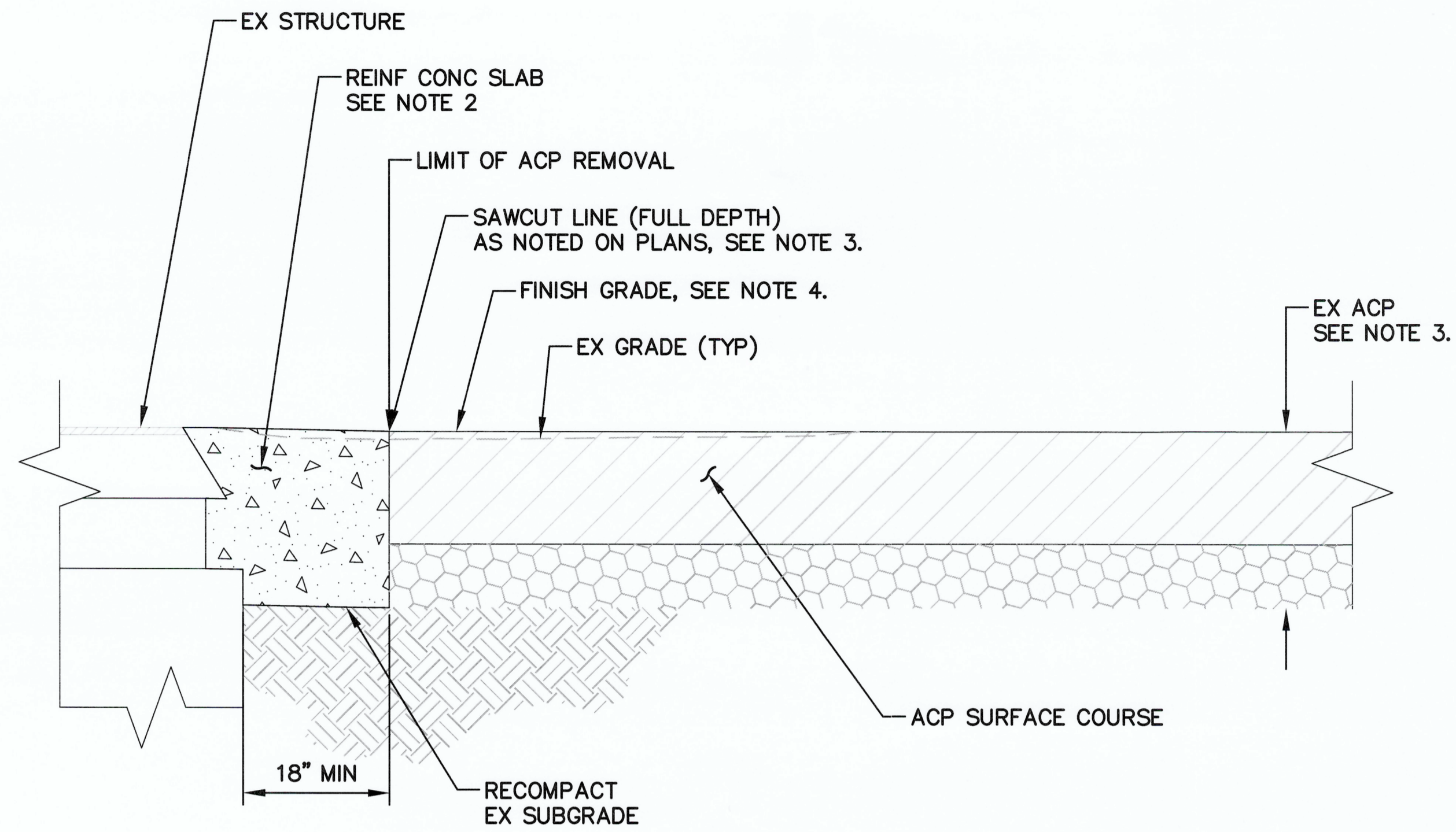
PIERCE COUNTY TERMINAL
OPERATIONAL PAVEMENT REPAIRS 2022
 SITE DETAILS 05

TOWNSHIP: 20N
 RANGE: 3E
 SECTION: 3E
 M. ID: 201038.01
 DAT-HRZ: NAD83 / 2007
 VERT: MLLW
 PHASE: BID SET
 DRAWING SCALE: AS NOTED
 PARCEL:

6635
C2.05
 SHEET 14 OF 16

CONTRACT: 071685
 M. ID: 201038.01
 PHASE: BID SET

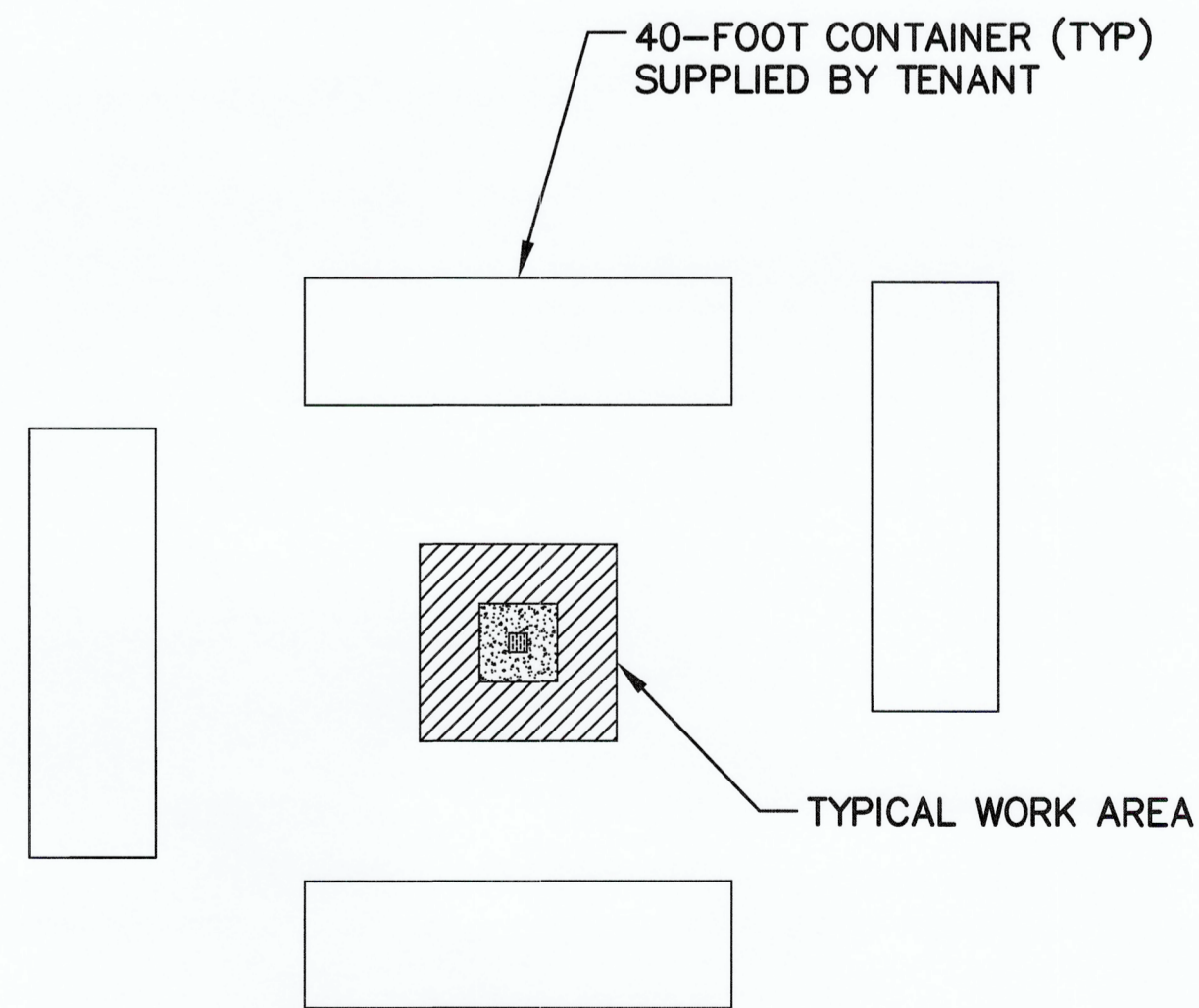
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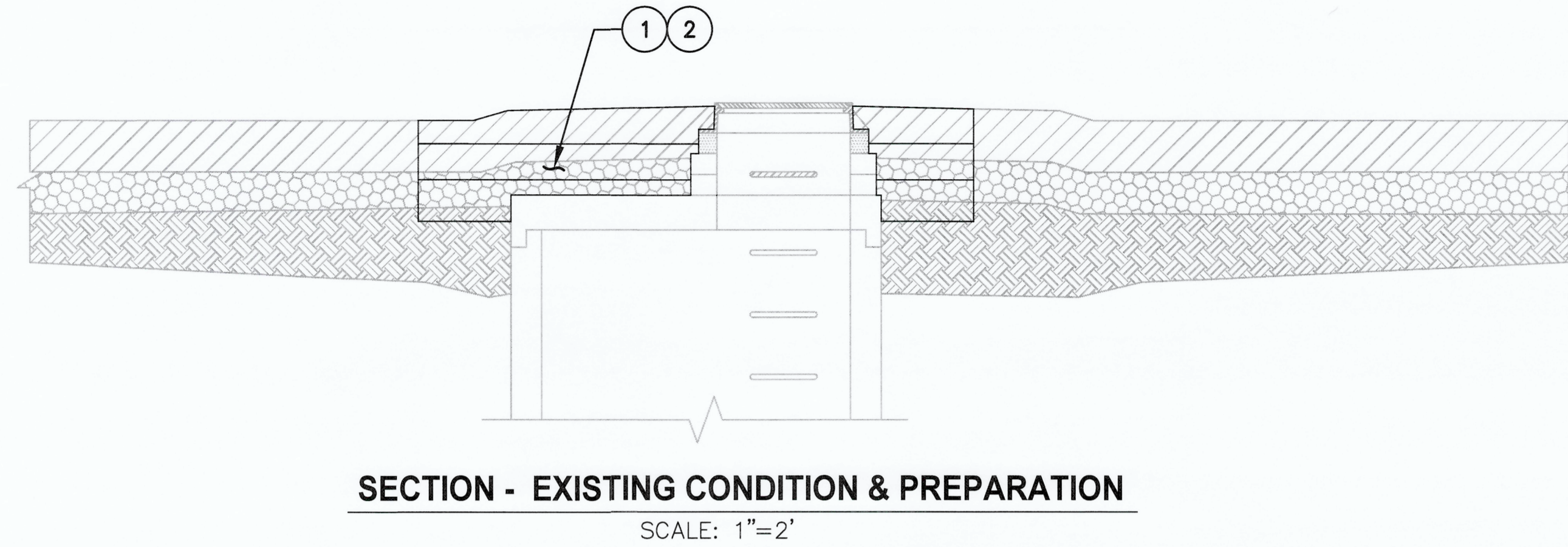
NOTES:

1. REINF CONC SLAB SHALL EXTEND MINIMUM 1.5' HORIZONTALLY BEYOND EXTERIOR LIMIT OF EXIST STRUCTURE BELOW OR AS SHOWN OR INDICATED ON THE PLANS.
2. MATCH ELEVATION OF ADJUSTED STRUCTURE GRATE OR RIM. FIELD VERIFY FRAME AND GRATE (OR COVER) DIMENSIONS. THIS CONCRETE SLAB SHALL BE CAST MONOLITHIC WITH CAST-IN-PLACE STRUCTURE RISERS (NOT SHOWN) WHERE APPLICABLE.
3. EXISTING PAVEMENT SECTION VARIES THROUGHOUT THE YARD. TYPICAL SECTION MAY INCLUDE ±8" TO 10" OF SUPERPAVE ACP ON ±2" OF CLASS B ACP OVER A CRUSHED ROCK BASE OR PITRUN SUB-GRADE.
4. FINISH ELEVATIONS SHALL BE ADJUSTED AS DIRECTED BY THE ENGINEER TO ACCOMMODATE ADJACENT PAVEMENT ELEVATIONS AND TO ENSURE POSITIVE DRAINAGE.

5 TYPICAL ASPHALT CONCRETE PATCHING AT EXISTING STRUCTURE
 VARIES SCALE: 1" = 1'

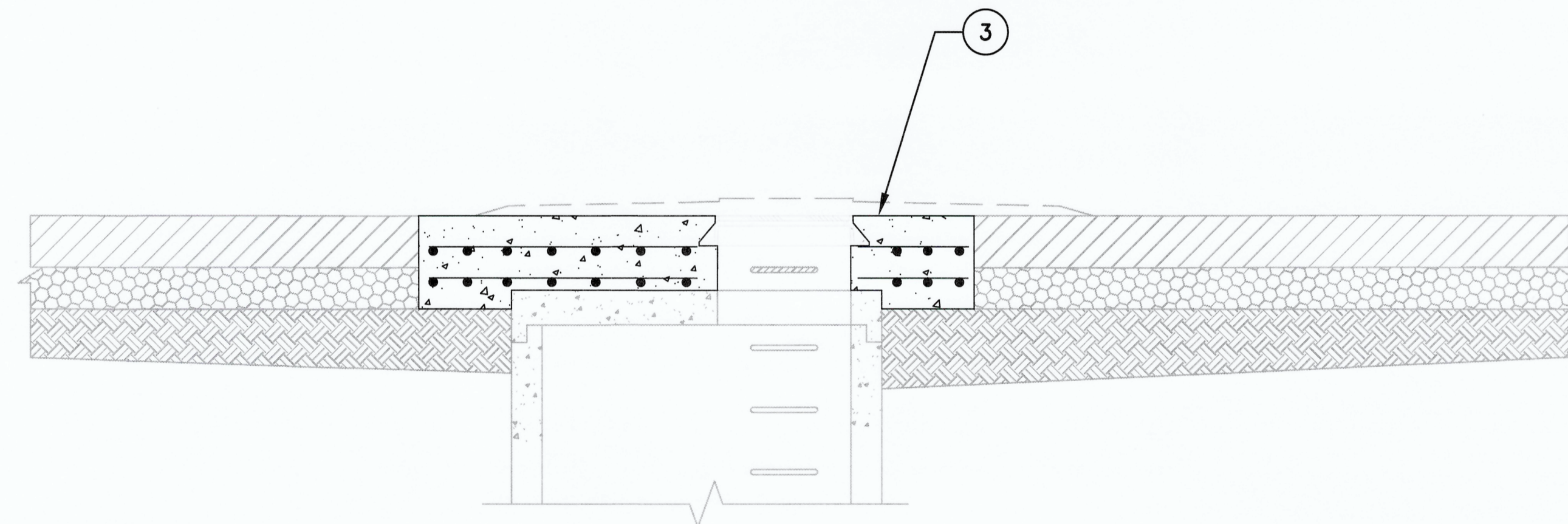


7 TYPICAL WORK AREA PROTECTION
 VARIES SCALE: NTS



SECTION - EXISTING CONDITION & PREPARATION

SCALE: 1"=2'



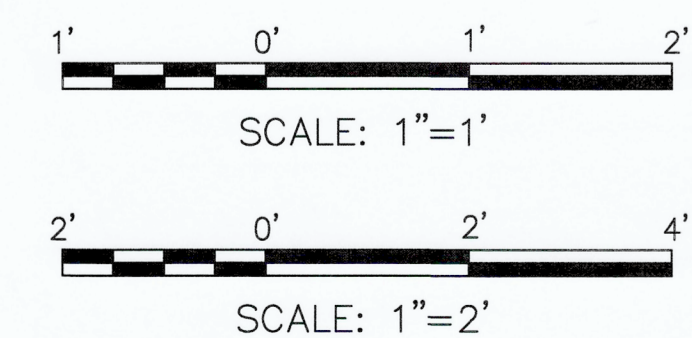
SECTION - PROPOSED CONDITION

SCALE: 1"=2'

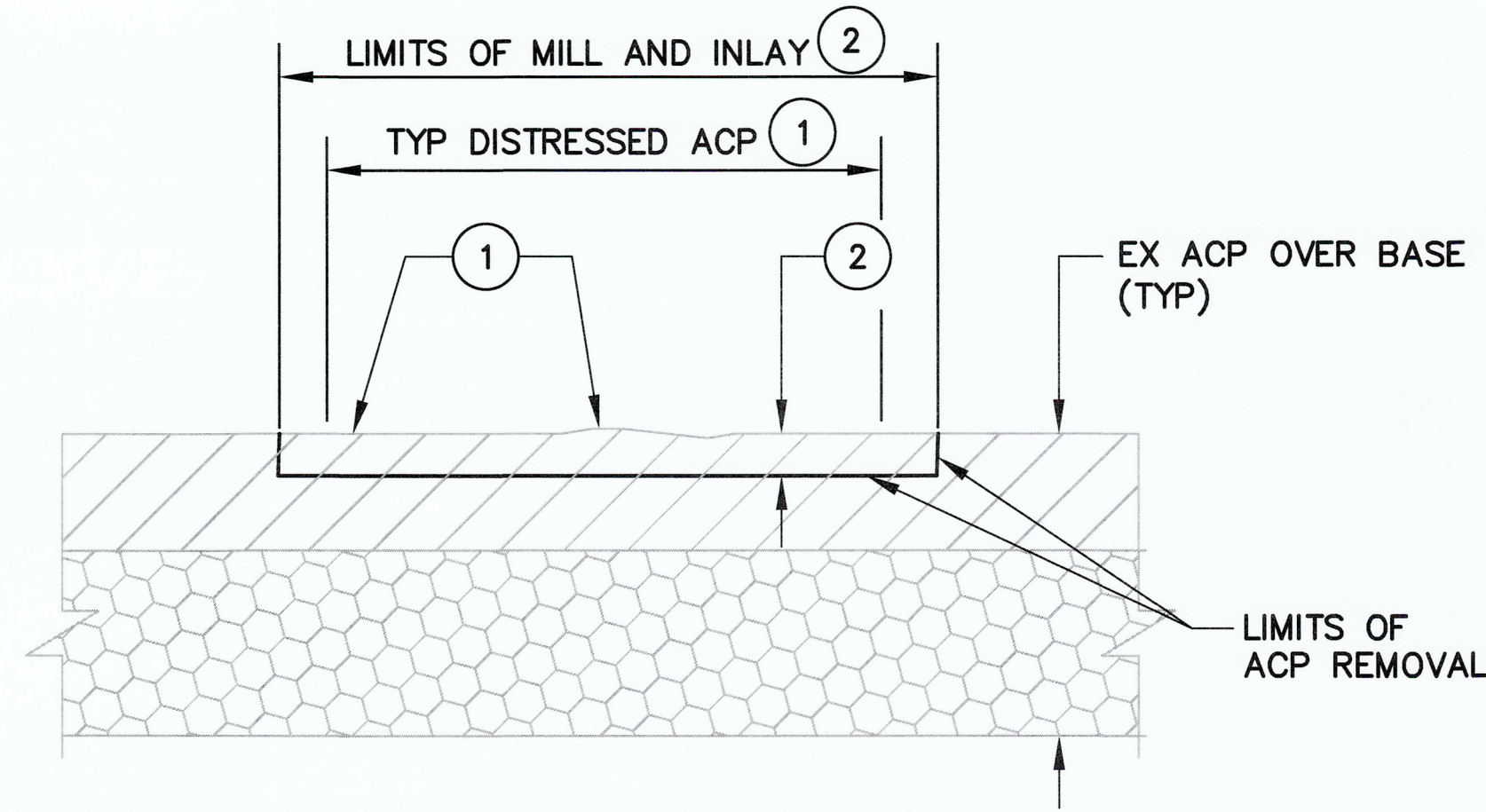
NOTES:

- 1 SAWCUT AND REMOVE ACP.
- 2 REMOVE PAVEMENT BASE AND EXCAVATE TO BOTTOM OF WORK AREA. COMPACT SUBGRADE TO UNYIELDING STATE.
- 3 CONSTRUCT REINFORCED CONC SLAB.

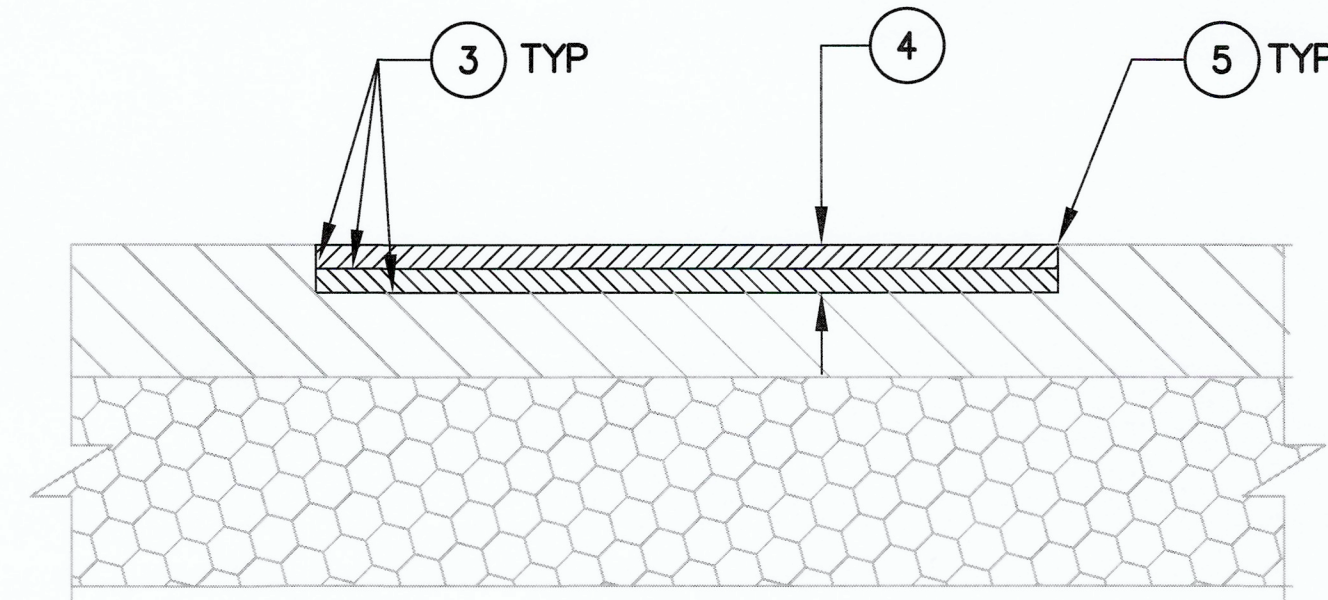
6 TYPICAL CONSTRUCTION SEQUENCE
 VARIES SCALE: 1" = 2'



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	BY: _____
 600 UNIVERSITY STREET, SUITE 810 SEATTLE, WA 98101 (206) 622-0222	REVISION: _____
	MARK: _____
	A. PATTERSON 4/6/22 CHECKED BY: DATE
	S. GRAY 4/6/22 PROJ. ENGR. DATE
APPROVED: <i>[Signature]</i> T. HOWARD DIRECTOR ENGR. DATE: cgreene Apr 06, 2022 PRINTED BY: cgreene PORT ADDRESS: ONE SITCUM PLAZA TACOMA, WA 98401-1837	PIERCE COUNTY TERMINAL OPERATIONAL PAVEMENT REPAIRS 2022 SITE DETAILS 06
TOWNSHIP: 20N RANGE: 3E SECTION: _____ DAT-HRZ:NAD83/2007 VERT: MLLW PARCEL: _____ DRAWING SCALE: AS NOTED	CONT/CONS: 071685 M. ID: 201038.01 PHASE: BID SET
6635 C2.06 SHEET 15 OF 16	THIS DRAWING IS THE PROPERTY OF THE PORT OF TACOMA AND SHALL NOT BE USED ON OTHER WORK, DISCLOSED, COPIED, IN WHOLE OR IN PART, WITHOUT WRITTEN PERMISSION



SECTION - EXISTING CONDITION AND PREPARATION
SCALE: NTS



SECTION - FINISH CONDITION
SCALE: NTS

PAVEMENT REPAIRS (AS NEEDED)
SCALE: NTS

KEY NOTES:

- ① EXISTING DAMAGED ACP (LIMITS AND SEVERITY VARY).
- ② MILL EXISTING ACP TO THE NECESSARY LIMITS AND DEPTH TO ACCOMMODATE A 4.5 INCHES INLAY.
- ③ REFER TO THE SPECIFICATIONS FOR TACK COAT REQUIREMENTS.
- ④ PROVIDE 4.5 INCHES ACP INLAY VIA A 2½ INCHES BASE LIFT FOLLOWED BY A 2 INCHES SURFACE LIFT.
- ⑤ PROVIDE JOINT SEALANT.

6635 SHEET 16 OF 16 C2.07	PIERCE COUNTY TERMINAL OPERATIONAL PAVEMENT REPAIRS 2022 <small>PAVING SECTIONS</small>		<small>APPROVED:</small> <small>T. HOWARD</small> <small>DIRECTOR ENG. DATE: 5/9/22</small>	<small>A. PATTERSON</small> <small>CHECKED BY DATE: 4/6/22</small> <small>S. GRAY</small> <small>PROJ. ENGR DATE: 4/6/22</small>	 <small>P.O. BOX 1007 TACOMA, WA 98401-2007</small>
	<small>CONTRACT/CONS: 071685</small> <small>M. ID: 201038.01</small> <small>PHASE: BID SET</small>	<small>TOWNSHIP: 20N</small> <small>DAT-HRZ: NAD83/2007</small> <small>PARCEL:</small>	<small>RANGE: 3E</small> <small>SECTION:</small> <small>VERT: MLLW</small> <small>DRAWING SCALE: AS NOTED</small>	<small>MARK:</small> <small>REVISION:</small> <small>BY:</small> <small>DATE:</small>	 <small>4/6/22</small>