

PORT OF PORT ARTHUR TRANSIT SHED EXPANSION PROJECT

CONTRACT NO. 99)

PORT ARTHUR, TEXAS

BOARD OF PORT COMMISSIONERS

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DRAWING LIST

1 — TITLE SHEET

2 — SURVEY INFORMATION

—— EXISTING SITE AND DEMOLITION PLAN

STORM WATER POLLUTION PREVENTION PLAN

CONCRETE SLAB LAYOUT PLAN

—— BUILDING SITE LAYOUT PLAN

7 --- WATER PLAN

8 --- ELECTRICAL PLAN

9 - DETAILS

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11 — FOUNDATION PLAN AND GENERAL NOTES

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14 — FOUNDATION DETAILS

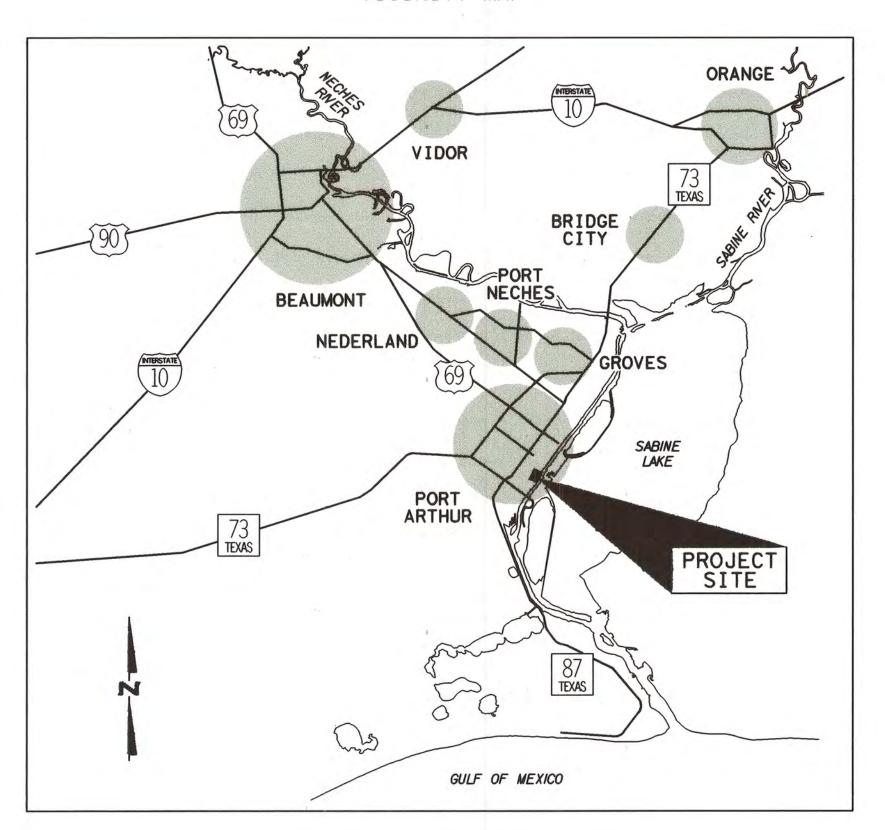
15 — BUILDING PLAN

16 — BUILDING ELEVATION

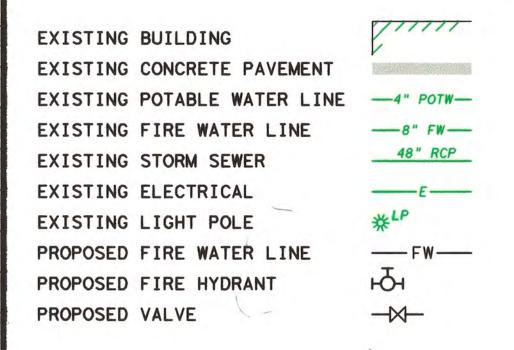
17 —— BUILDING PROFILE 18 —— CROSS SECTIONS

19 —— CROSS SECTIONS

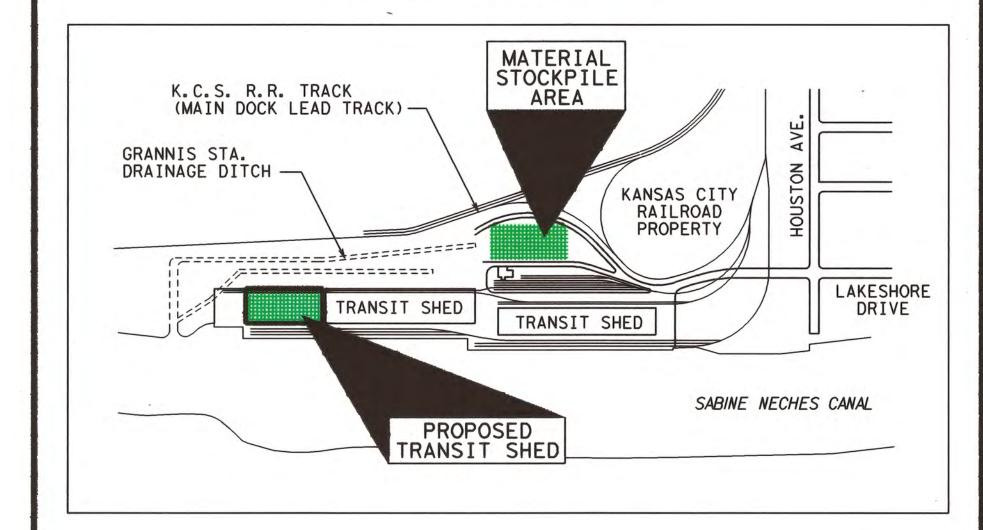
VICINITY MAP



PROJECT SYMBOLS

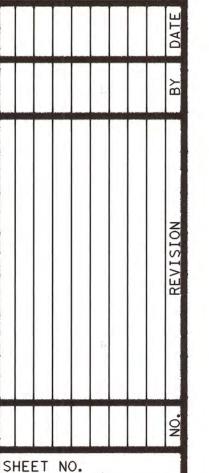


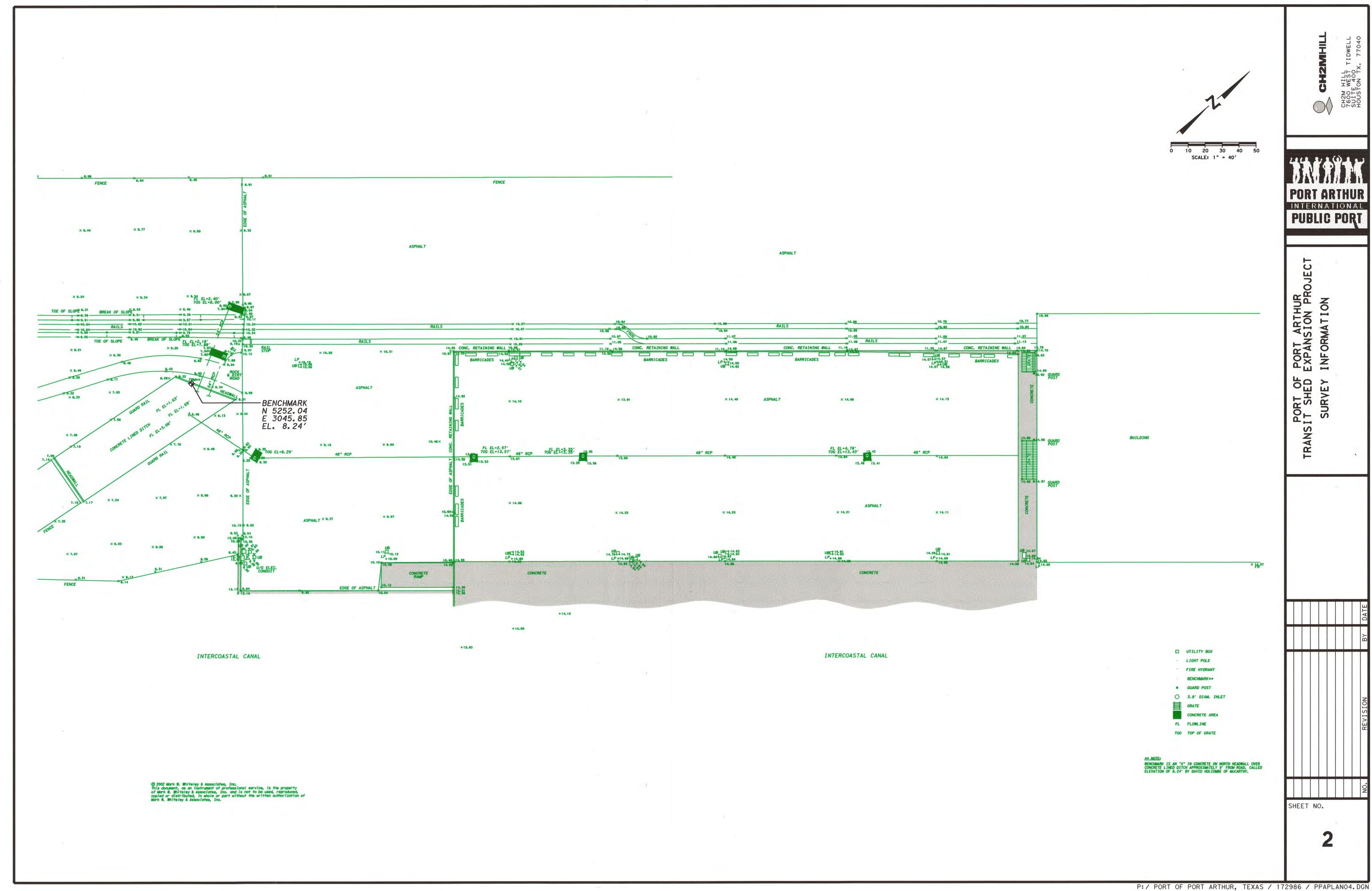
PROJECT SITE LOCATION MAP



PUBLIC PORT

PORT ARTHUR EXPANSION PROJECT





- REMOVE TOP OF EXISTING RETAINING WALL REMOVE EXISTING 7 LIGHT POLE (SEE NOTES) SCALE: 1" = 30' SEE DETAIL N 5282.33 E 3823.61 - REMOVE EXISTING LIGHT POLE - REMOVE EXISTING LIGHT POLE (SEE NOTES) - LIMITS OF ASPHALT REMOVAL N 5320.83 E 3823.60/ N 5316.80 E 3295.60 (SEE NOTES) 19.99 BARRICADES LIMITS OF ASPHALT REMOVAL - ASPHALT-× 13.91 × 14.40 × 14.06 × 14.10 CONC SLOPE -TOC EL=14.75' REMOVE EXISTING ASPHALT PAVEMENT - LIMITS OF ASPHALT REMOVAL 10.46× TOG EL=13.43' FL=4.78' TOG EL=13.35' TOG EL=13.57' FL=2.57' × 9.89 × 9.18 EL=8. 29' 48" RCP 13. 29 13.64 13.41 13.53 LIMITS OF ASPHALT-REMOVAL × 14.06 SLOPE × 14.21 × 14.53 × 14.23 × 9.97 CONC - LIMITS OF ASPHALT REMOVAL 14.64 **LP 14.65 CONCRETE CONCRETE +14.15 525.00' +14.00 +13.83 INTERCOASTAL CANAL NOTES: 1. LIGHT POLES TO BE REMOVED AND STORED AT MATERIAL STOCKPILE AREA AS SHOWN ON COVER SHEET. POLES SHALL BE BLOCKED UP TO PREVENT CONTACT WITH EXISTING GROUND AND EACH OTHER. COVER FOR PROTECTION FROM THE WEATHER. 2. LIGHT POLE DRILLED SHAFTS SHALL BE REMOVED TO 24" BELOW PROPOSED SLAB ELEVATION AND COVERED WITH STEEL PLATE.

CH2M HILL TIDWELL SUITE 400

PORT ARTHUR
INHERINATION AT
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PORT OF PORT ARTHUR
TRANSIT SHED EXPANSION PROJECT
EXISTING SITE AND
DEMOLITION PLAN

GLEN H. MCCABE

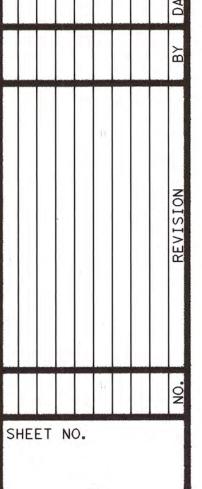
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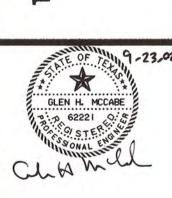
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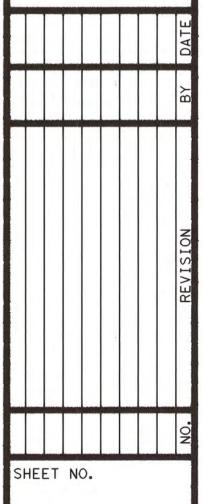
INTERCOASTAL CANAL

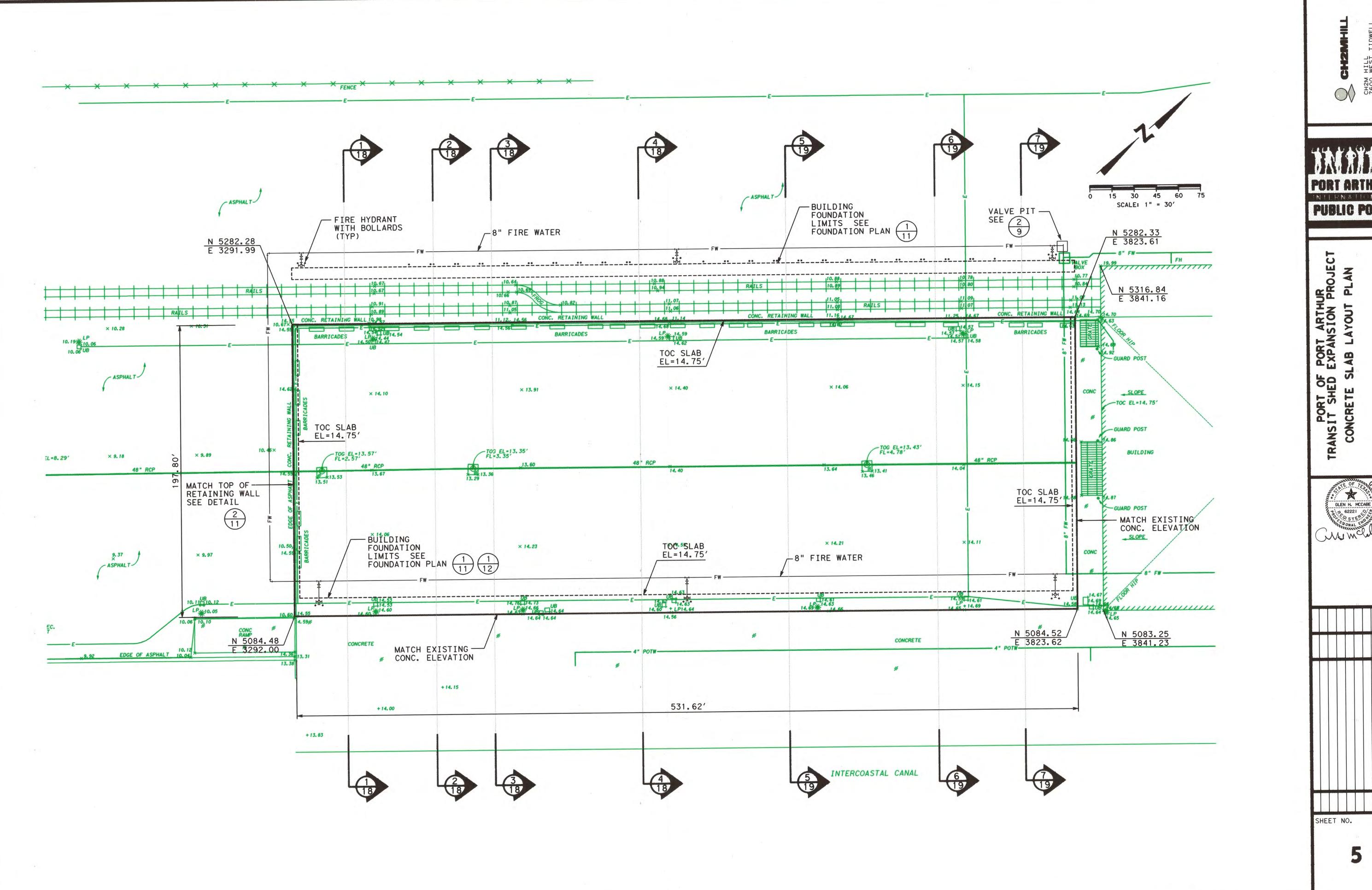
WEST VEST

PORT ARTHUR **PUBLIC PORT**

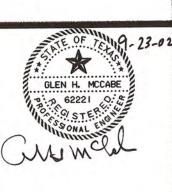
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TRANSIT SHED EXPANSION PROJECT
STORM WATER POLLUTION
PREVENTION PLAN





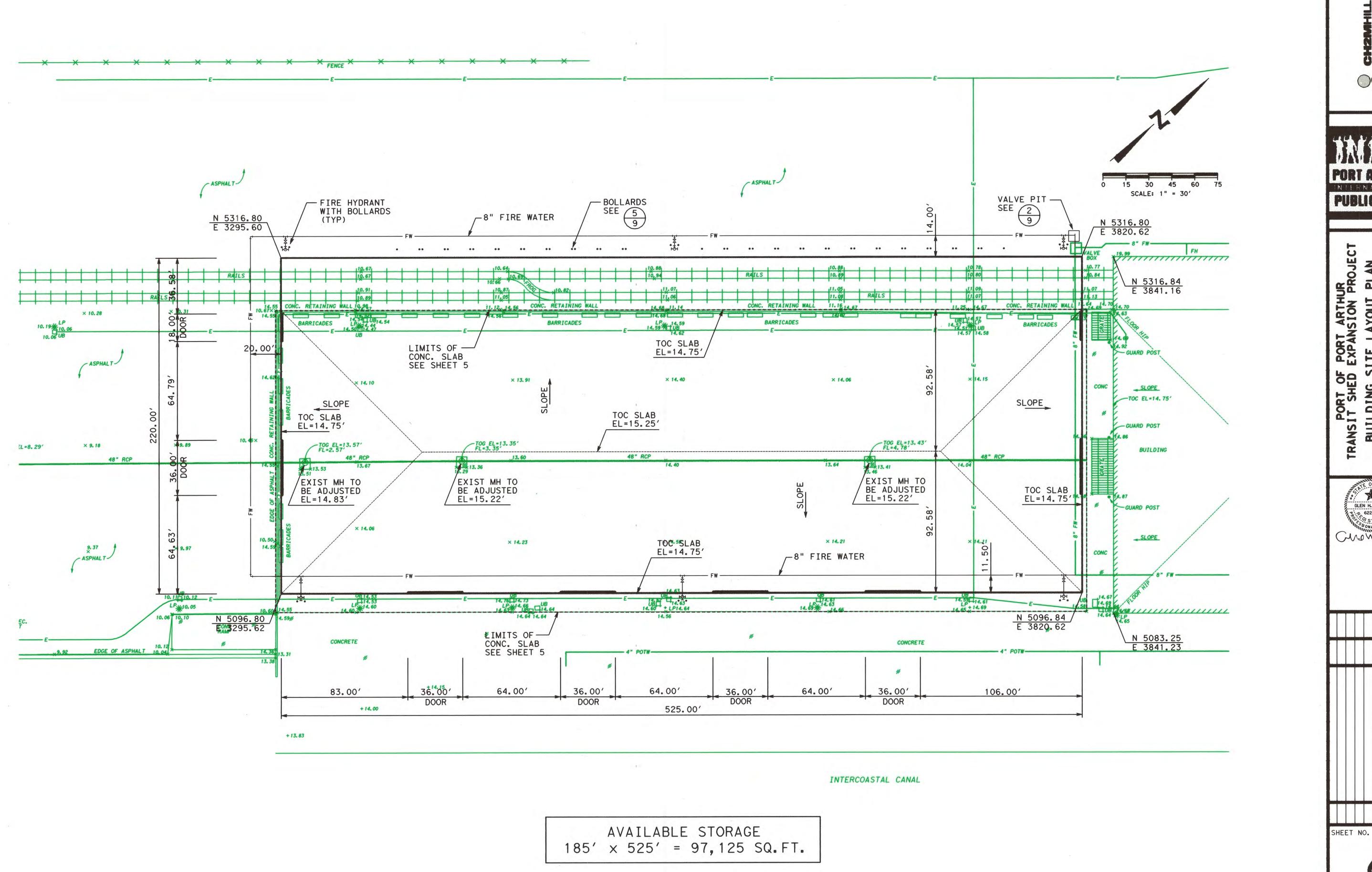


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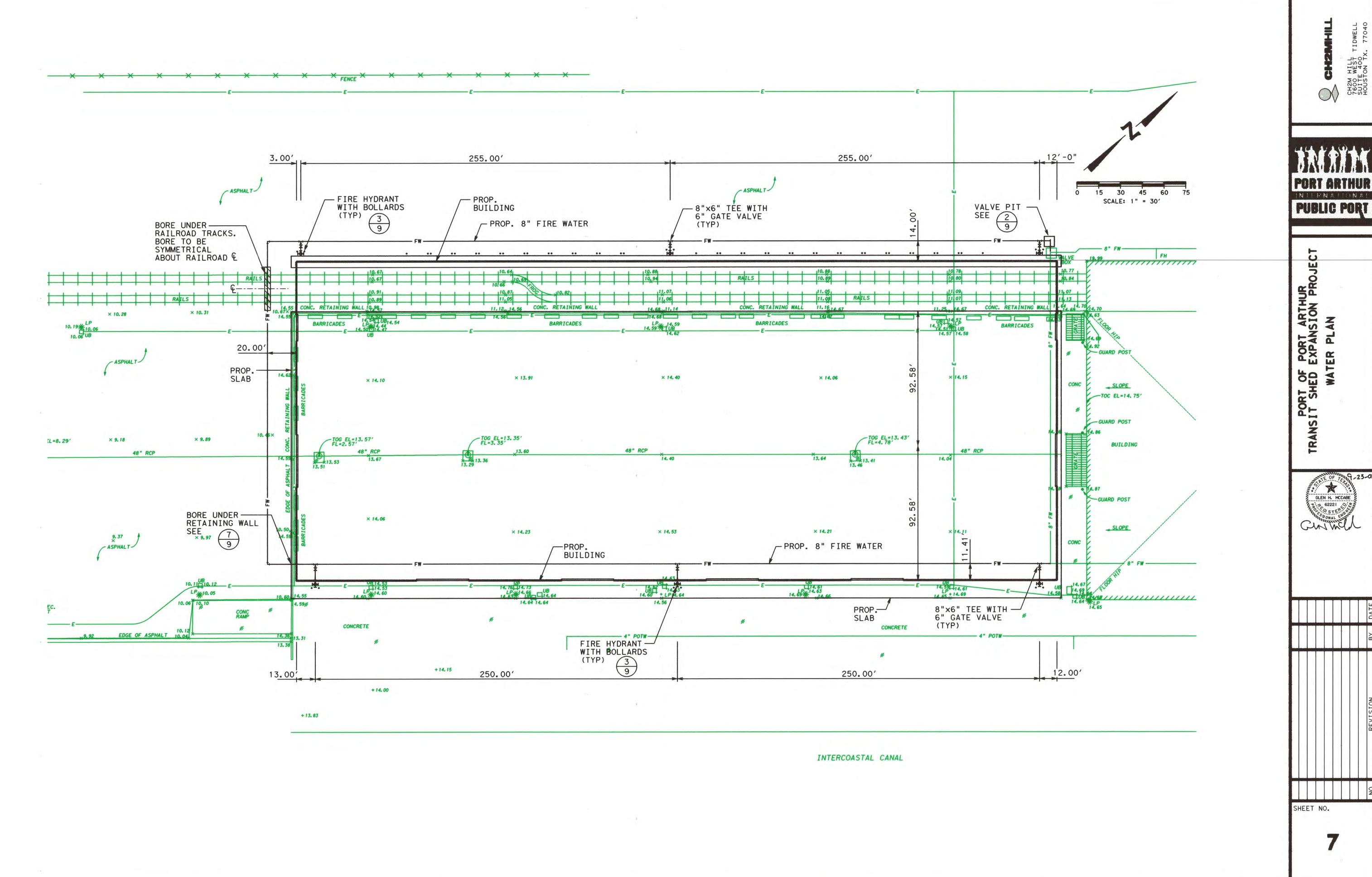
CH2M HILL 7600 WEST SUITE 400 HOUSTON TX

PUBLIC PORT

PORT ARTHUR EXPANSION PROJECT LAYOUT PORT OF TRANSIT SHED BUILDING SI

GLEN H. MCCABE 1 2: p 62221 0: 5 CWO W

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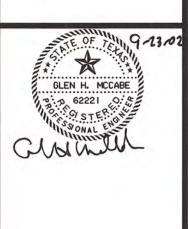


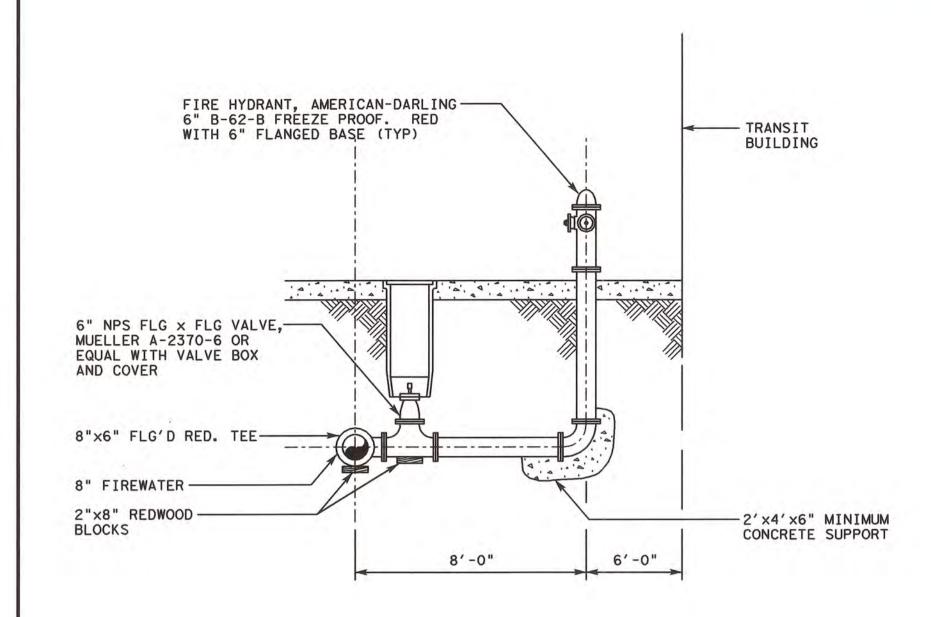


CH2MHILL 7600 WEST TIDWELL SUITE 400

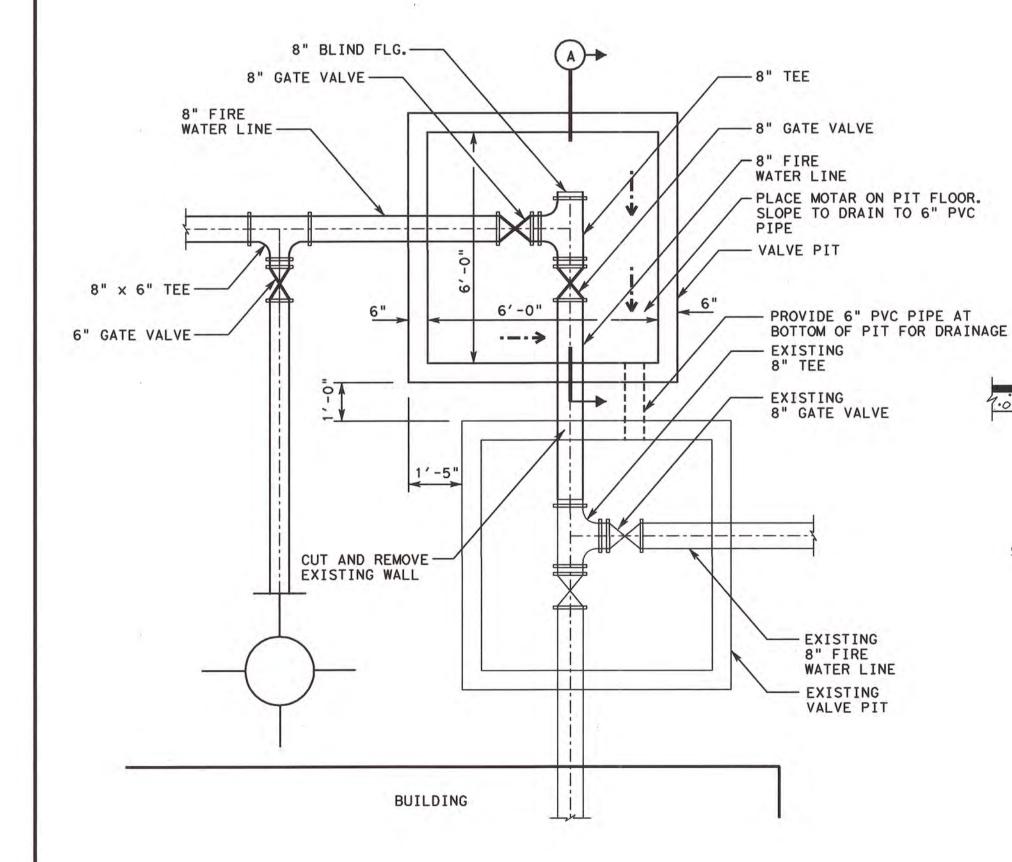
PORT ARTHUR
INTERNATIONAL
PUBLIC PORT

PORT OF PORT ARTHUR
TRANSIT SHED EXPANSION PROJECT
ELECTRICAL PLAN

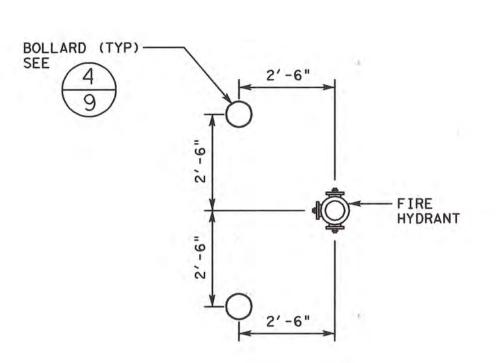




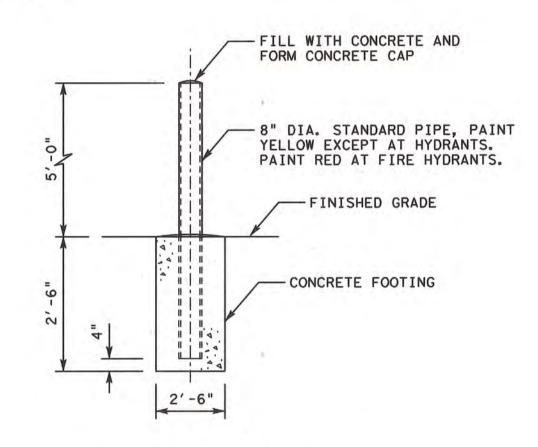




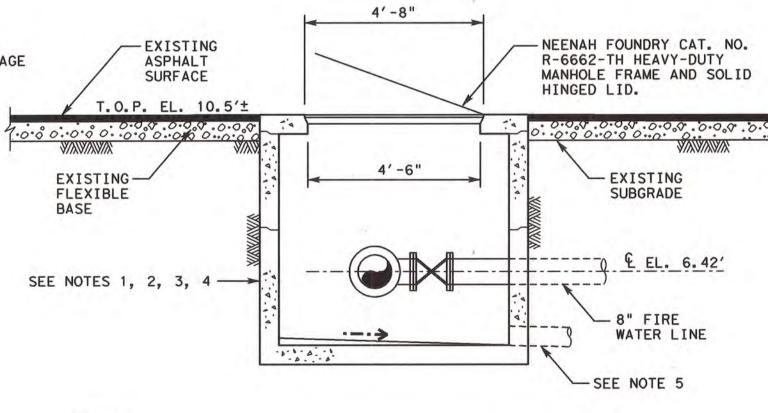
VALVE PIT PLAN



BOLLARD LOCATION DETAIL 3 AT FIRE HYDRANT



BOLLARD DETAIL

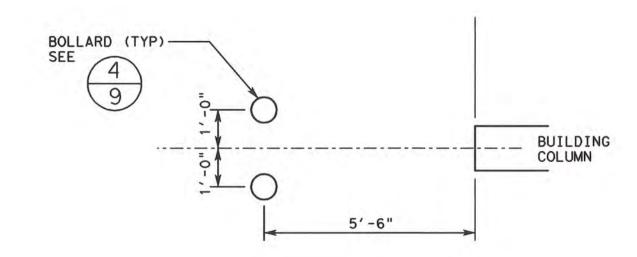


NOTES:

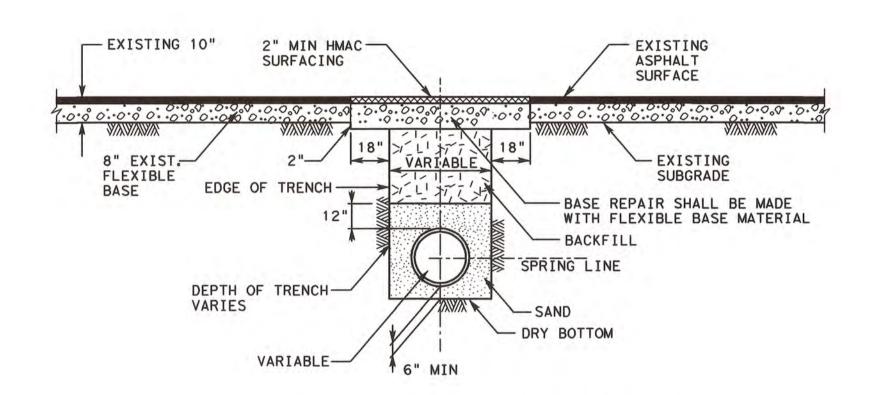
- 1. JOINTS TO BE SEALED WITH RAM-NEX OR EQUAL GASKET MATERIAL.
- 2. SEE SPECIFICATION SECTION 02669 FOR PIT CONSTRUCTION REQUIREMENTS.
- 3. VALVE PIT AND LID TO MEET AASHTO H-20 LOADING.
- 4. WALL THICKNESS MAY DIFFER FRAOM THAT SHOWN.
- 5. PROVIDE 6" PVC PIPE DRAIN TO CONNECT WITH EXIST. VALVE PIT. PLACE MORTAR ON PIT FLOOR AND SLOPE FLOOR TO DRAIN TO PROPPOSED 6" PVC DRAIN PIPE.

2 VALVE PIT LOCATION DETAIL

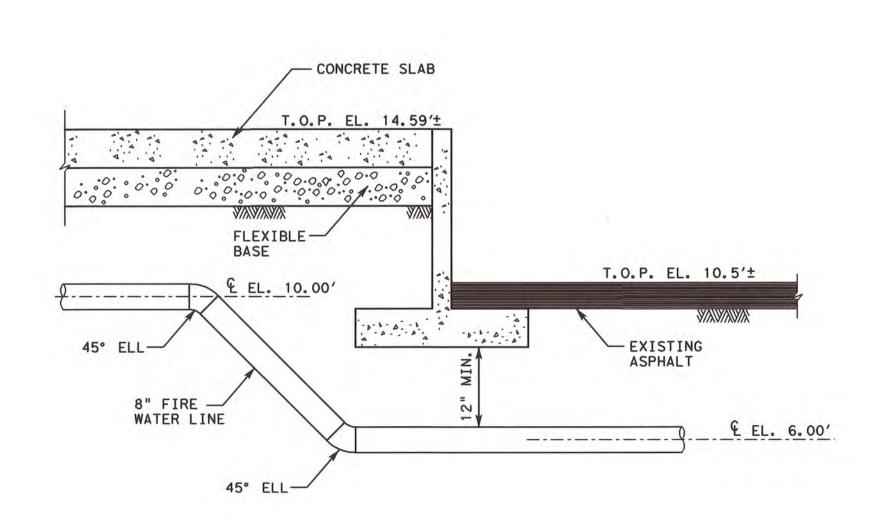
VALVE PIT SECTION (A)



BOLLARD LOCATION DETAIL TO AT BUILDING COLUMN



REPAIR OF FLEXIBLE BASE PAVEMENT AND WATER MAIN BEDDING DETAIL





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CH2M HILL
7600 WEST TIDWELL

ORT ARTHUR

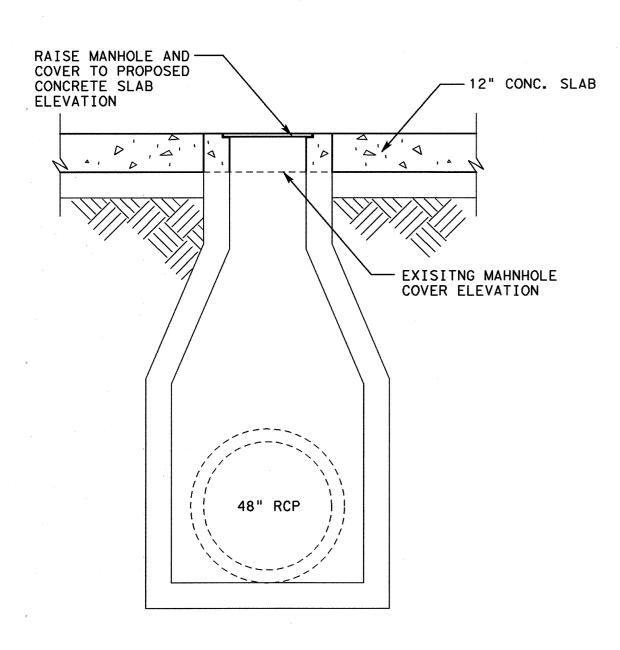
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PUBLIC PORT

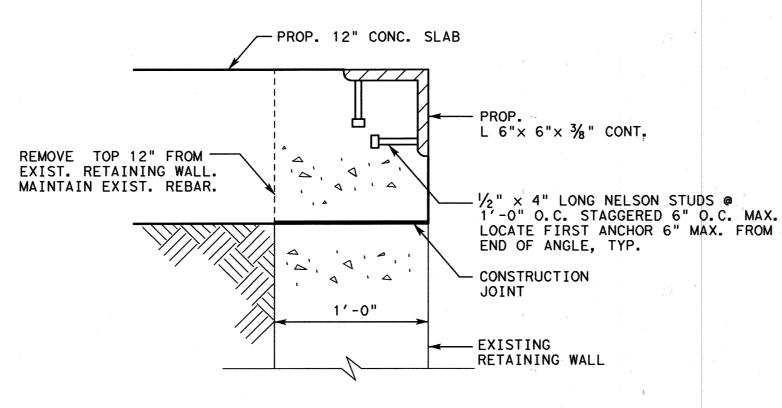
PORT OF PORT ARTHUR TRANSIT SHED EXPANSION PROJE DETAILS



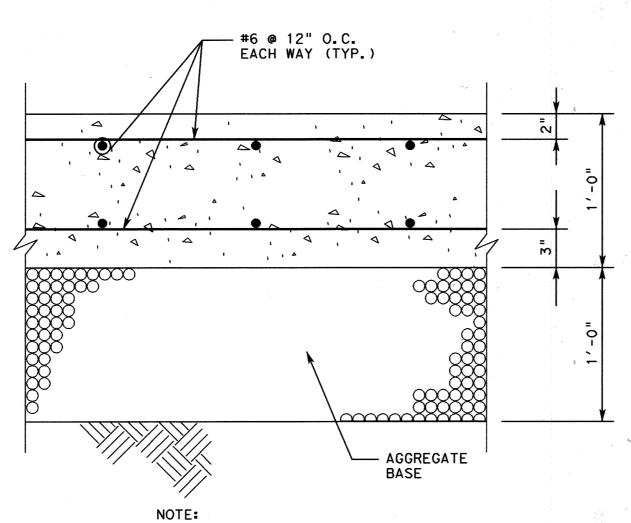
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NO. REVISION





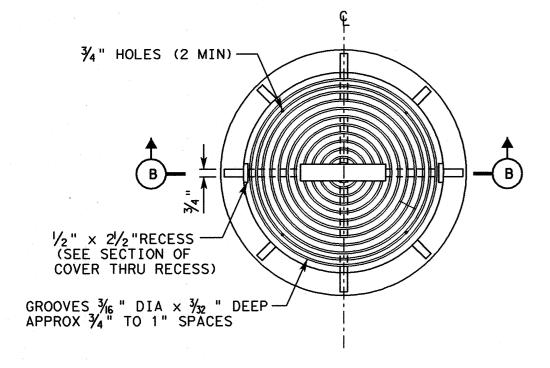
3 RETAINING WALL PROTECTION

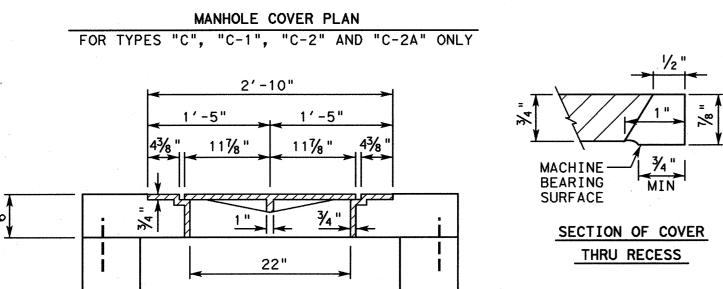


HOLD REINFORCEMENT 3" MIN.
AWAY FROM ALL JOINTS, BOTH SIDES.

4 CONCRETE SLAB SECTION



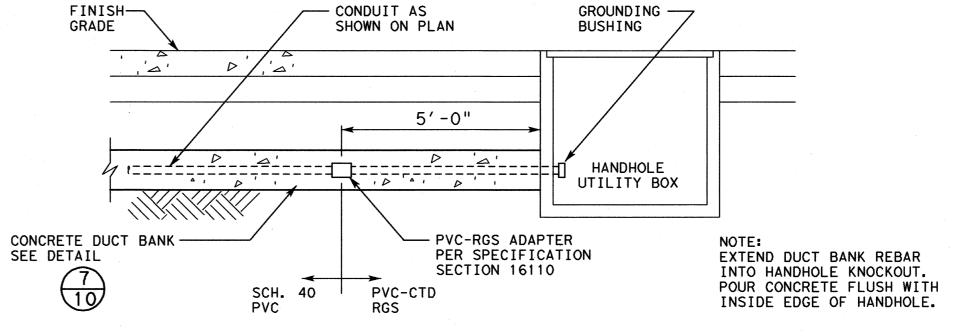




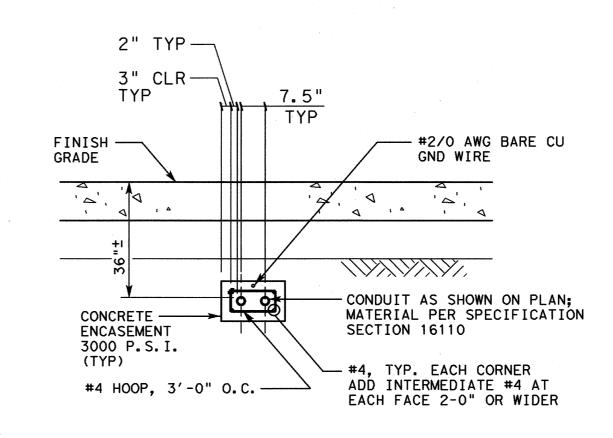
FRAME AND COVER SECTION

FOR TYPES "C", "C-1", "C-2" AND "C-2A" ONLY

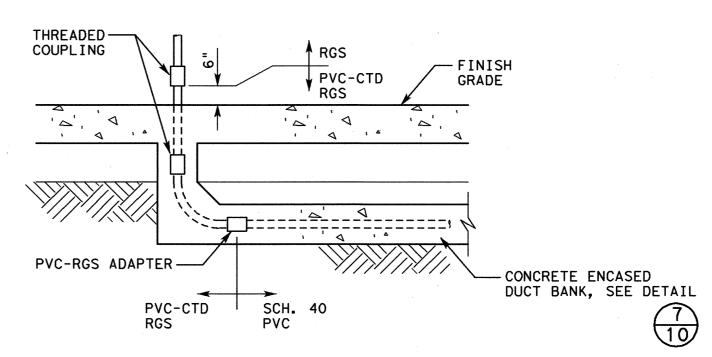
2 STORM SEWER INLET FRAME AND COVER



6 TYPICAL HANDHOLE INSTALLATION FOR HANDHOLE GROUNDING



7 TYPICAL DUCT BANK CONSTRUCTION DETAIL

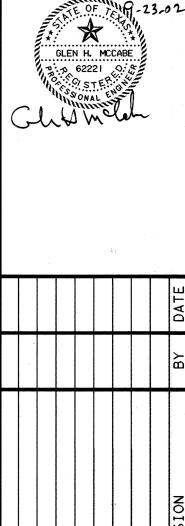


8 TYPICAL CONDUIT STUB-UP DETAIL

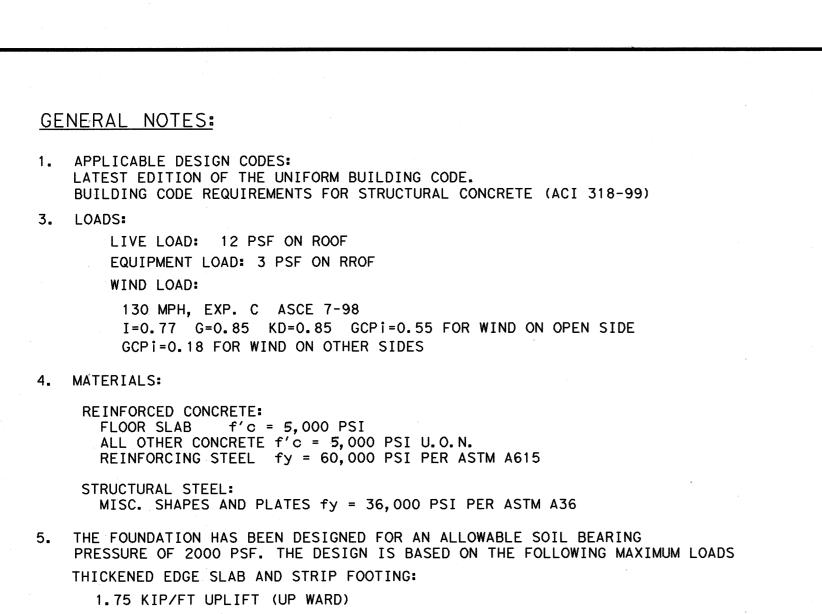
CH2MHILL TIDWELL

PORT ARTHUR
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PORT OF PORT ARTHUR
TRANSIT SHED EXPANSION PROJECT
DETAILS



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ISOLATED FOOTING:

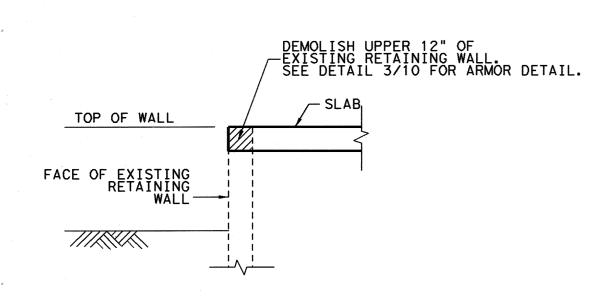
124.5 KIP UPLIFT (UP WARD)

119.0 KIP DEAD LOAD (DOWN WARD)

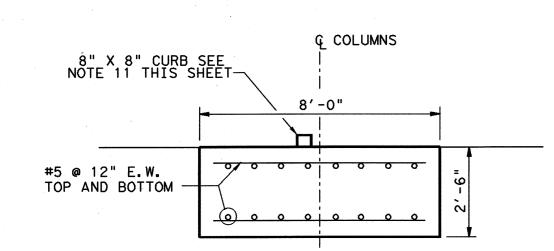
,1.30 KIP/FT DEAD LOAD (DOWN WARD)

CONTRACTOR IS RESPONSIBLE FOR ALL FOUNDATION CHANGES REQUIRED DUE TO CHANGE OF BUILDING REACTIONS PROVIDED WITH PREFABRICATED BUILDING SUBMITTAL. LOCATION OF JOINTS SHOULD BE MODULATED WITH COLUMN SPACING.

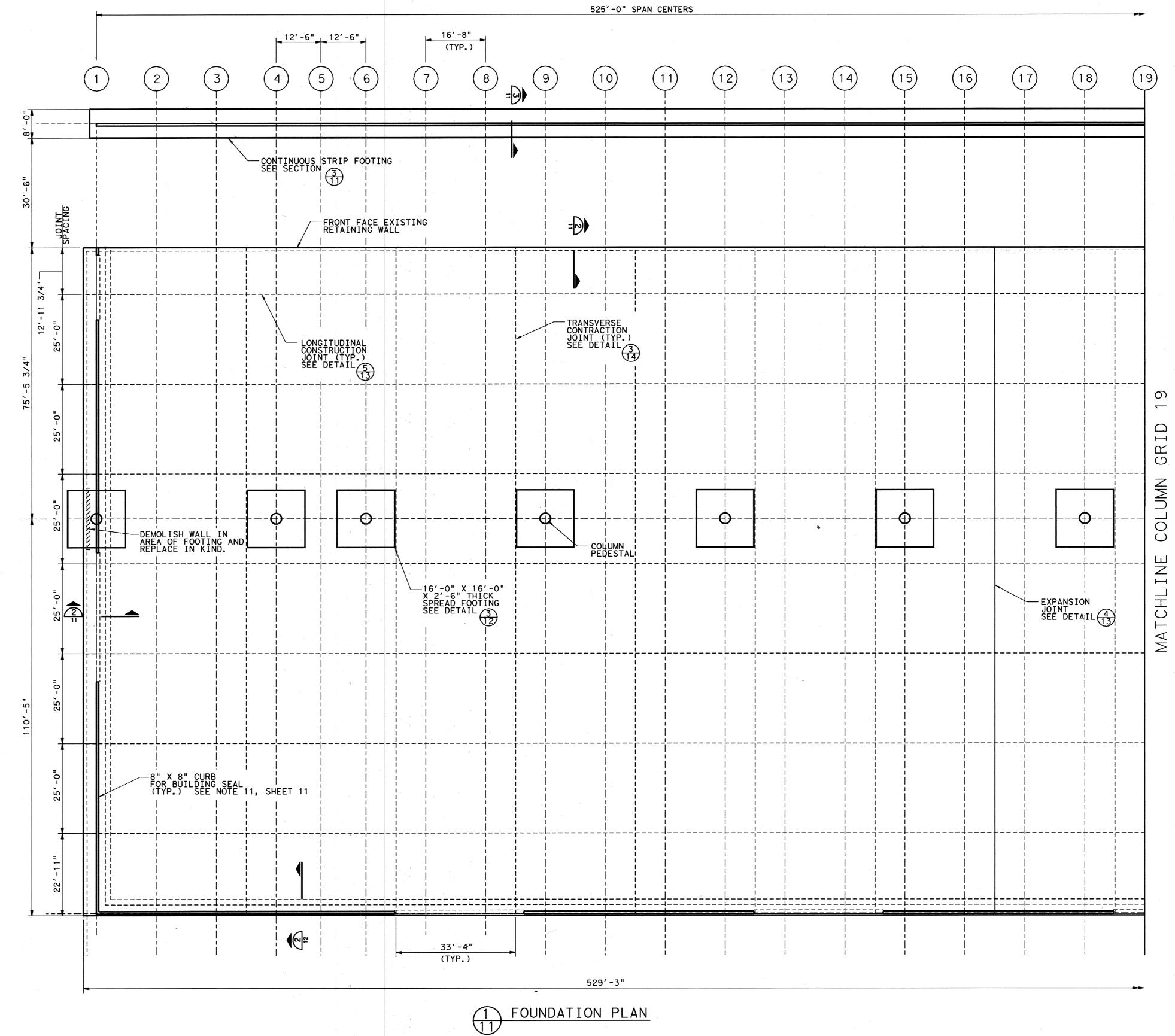
- 6. FOUNDATION PREPARATION AND GRANULAR FILL UNDER ALL SLABS AND FOOTING SHALL BE AS SPECIFIED IN SECTION SUBGRADE PREPARATION
- 7. ALL DIMENSIONS SHALL BE VERIFIED BY THE BUILDING MANUFACTURER PRIOR TO PLACEMENT OF CONCRETE. PROVIDE STEEL TROWEL FINISH FOR CONCRETE FLOOR. PROVIDE FINISH FOR REVIEW BY OWNER PRIOR TO CONSTRUCTION OF FLOOR SLAB
- 8. ANCHOR BOLTS FOR BUILDING SHALL BE SIZED AND LOCATED AS RECOMMENDED BY BUILDING MANUFACTURER. CONTRACTOR IS RESPONSIBLE FOR FOUNDATION CHANGES DUE TO ANCHOR BOLT LOCATION AND CAPACITY REQUIREMENTS.
- 9. ALL REINFORCING SHALL BE HELD SECURELY IN POSITION WITH STANDARD ACCESSORIES DURING PLACING OF THE CONCRETE.
- 10. ALL ANGLES, BARS, ANCHOR BOLTS, ETC. EMBEDDED IN CONCRETE SHALL BE HOT DIPPED GALVANIZED AFTER FABRICATION, UNLESS SHOWN OTHERWISE.
- 11. CURB PROVIDED FOR BUILDING SEAL MAY VARY IN SIZE AND LOCATION. COORDINATE DETAILS WITH FABRIC BUILDING MANUFACTURER.











CHZMHILL
CHZM HILL
7600 WEST TIDWELL
SUITE 400

CHZM HIL 7600 WES SUITE 40

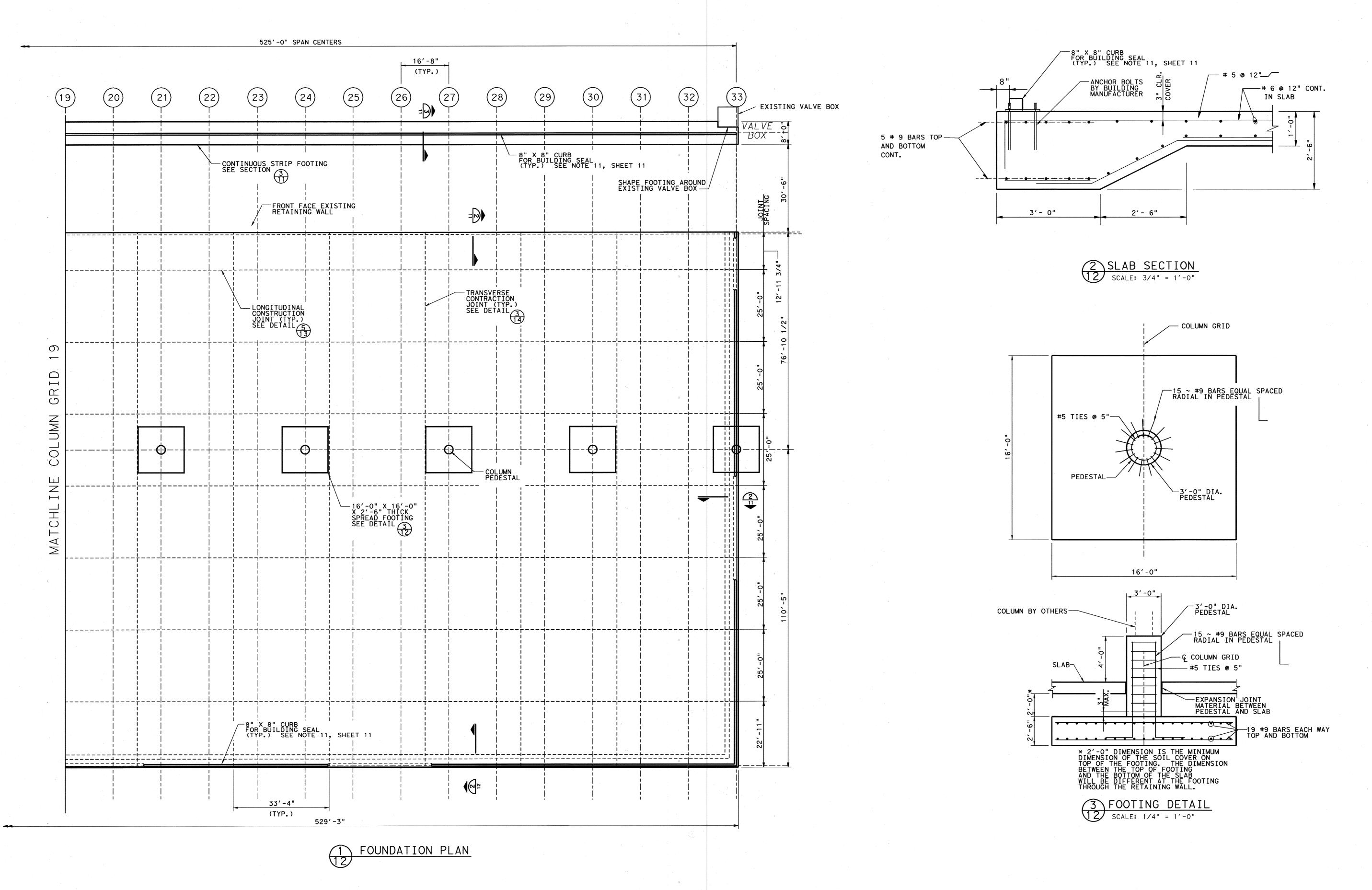
PORT ARTHUR
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PORT OF PORT ARTHUR
FRANSIT SHED EXPANSION PROJE
FOUNDATION PLAN AND
GENERAL NOTES



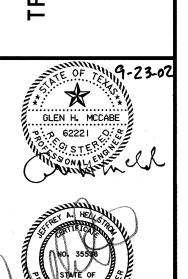
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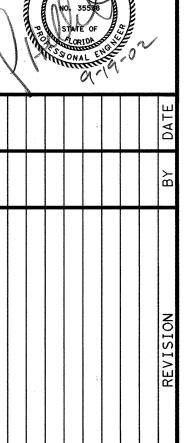
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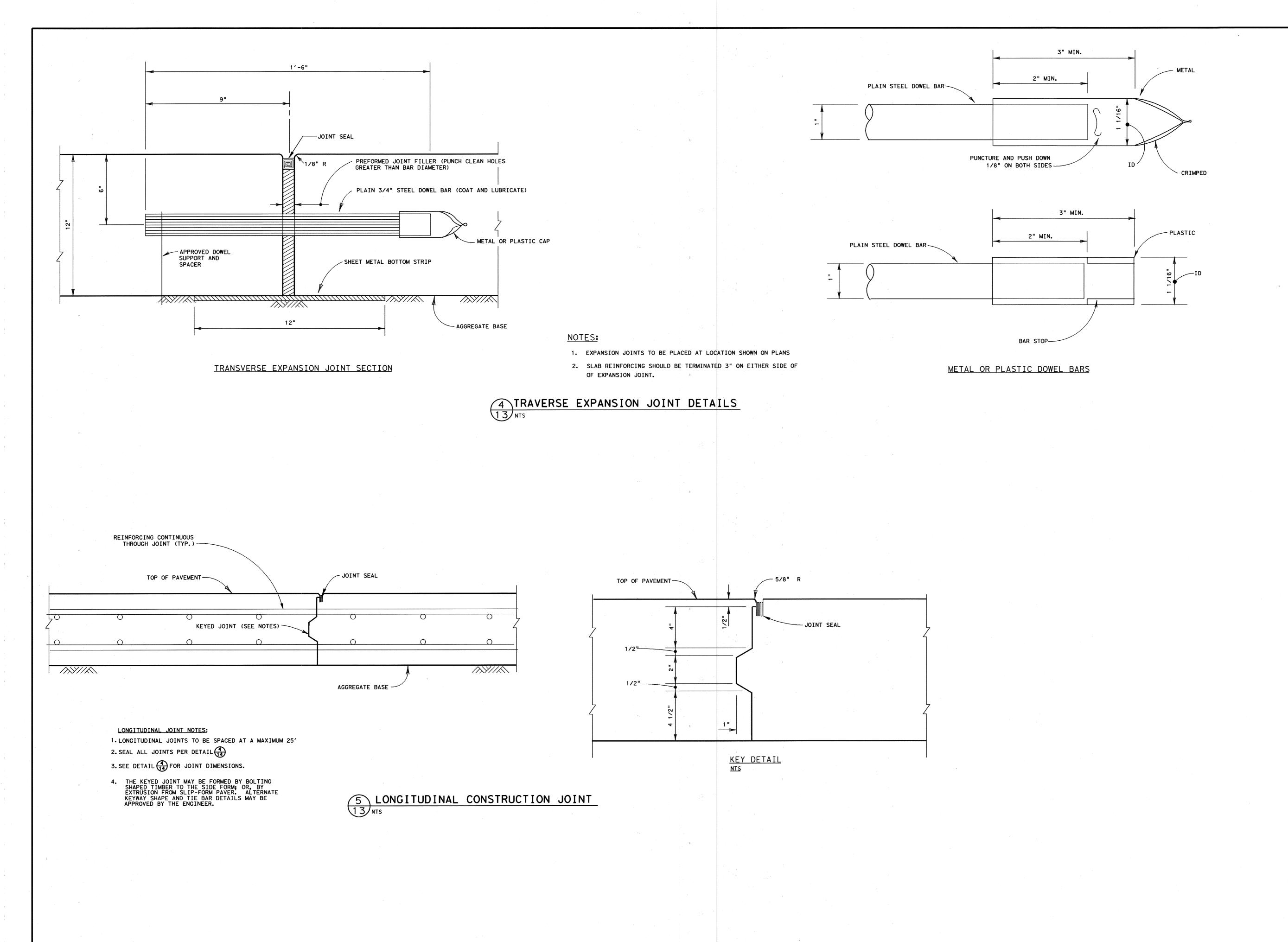
PORT ARTHUR INTERNATIONAL **PUBLIC PORT**

PORT ARTHUR EXPANSION PROJEC DETAIL PLAN PORT OF TRANSIT SHED FOUNDATION F





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CHZM HILL TIDWELL SUITE 400 HOUSTON TX. 77040

PORT ARTHUR
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PUBLIC PORT

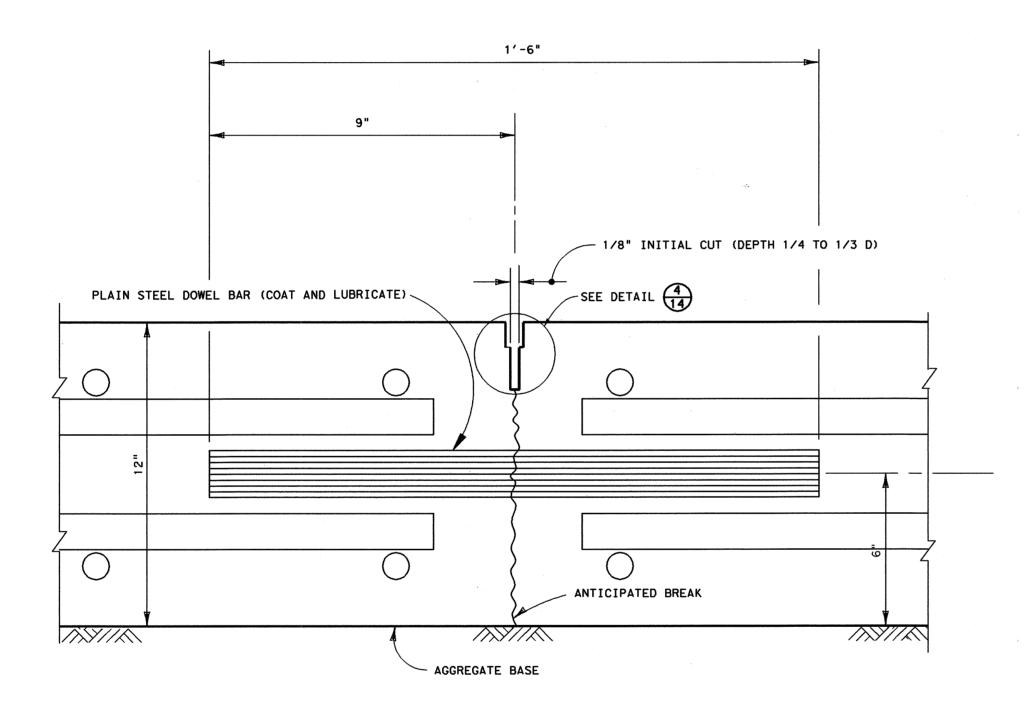
PORT OF PORT ARTHUR TRANSIT SHED EXPANSION PROJECT FOUNDATION DETAILS

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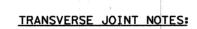
13

GLEN H. MCCABE

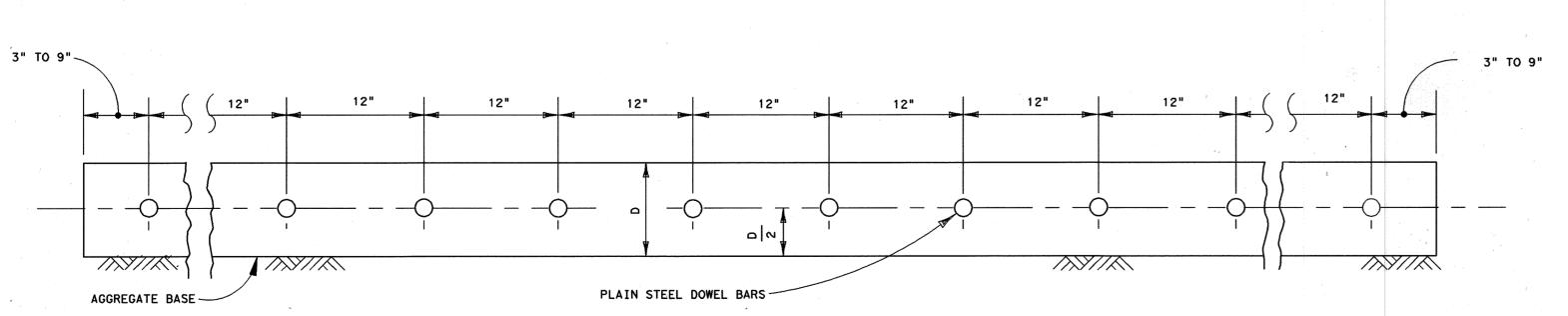
TRANVERSE BUTT CONSTRUCTION JOINT TO BE USED AT DISCONTINUANCES OF WORK



TRANSVERSE CONTRACTION JOINT
SAWED METHOD

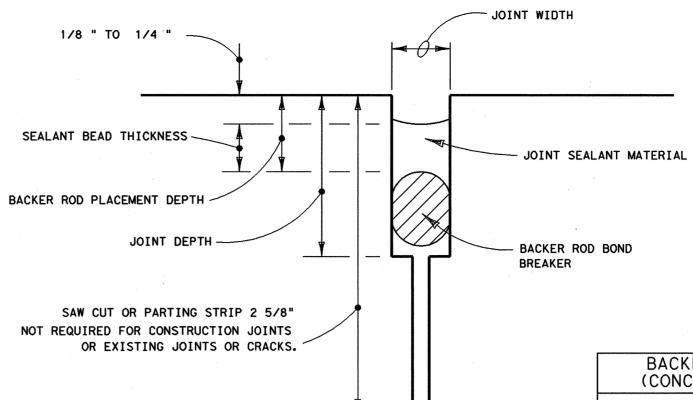


- 1. TRANSVERSE CONTRACTION JOINTS TO BE SPACED AS SHOWN ON PLANS AND DOWELS REQUIRED AT ALL TRANSVERSE CONTRACTION JOINTS UNLESS UNLESS OTHERWISE NOTED IN PLANS.
- 2. ALL DOWELS SHALL BE 1" Ø
- 3. SEAL ALL JOINTS PER DETAIL 4.
- 4. SEE DETAIL 4 FOR JOINT DIMENSIONS.



TRANSVERSE DOWEL BAR LAYOUT

TRANSVERSE CONCRETE SLAB JOINTS



BACKER ROD BOND BREAKER

4 CONCRETE JOINT SEAL

BACKER ROD BOND BREAKER
(CONCRETE-CONCRETE JOINTS)

JOINT DIMENSIONS (INCHES)

JOINT BEAD THICKNESS BACKER ROD DIAMETER DEPTH

1/4" 1/4" 3/8" 1" 1/2"

3/8" 1/4" 1/2" 1 1/4" 1/2"

UNLESS OTHERWISE INDICATED ON THE PLANS THE JOINT WIDTH FOR NEW CONSTRUCTION WILL BE 1/4" FOR CONSTRUCTION JOINTS, 3/8" FOR ALL OTHER JOINTS

CHZM HILL

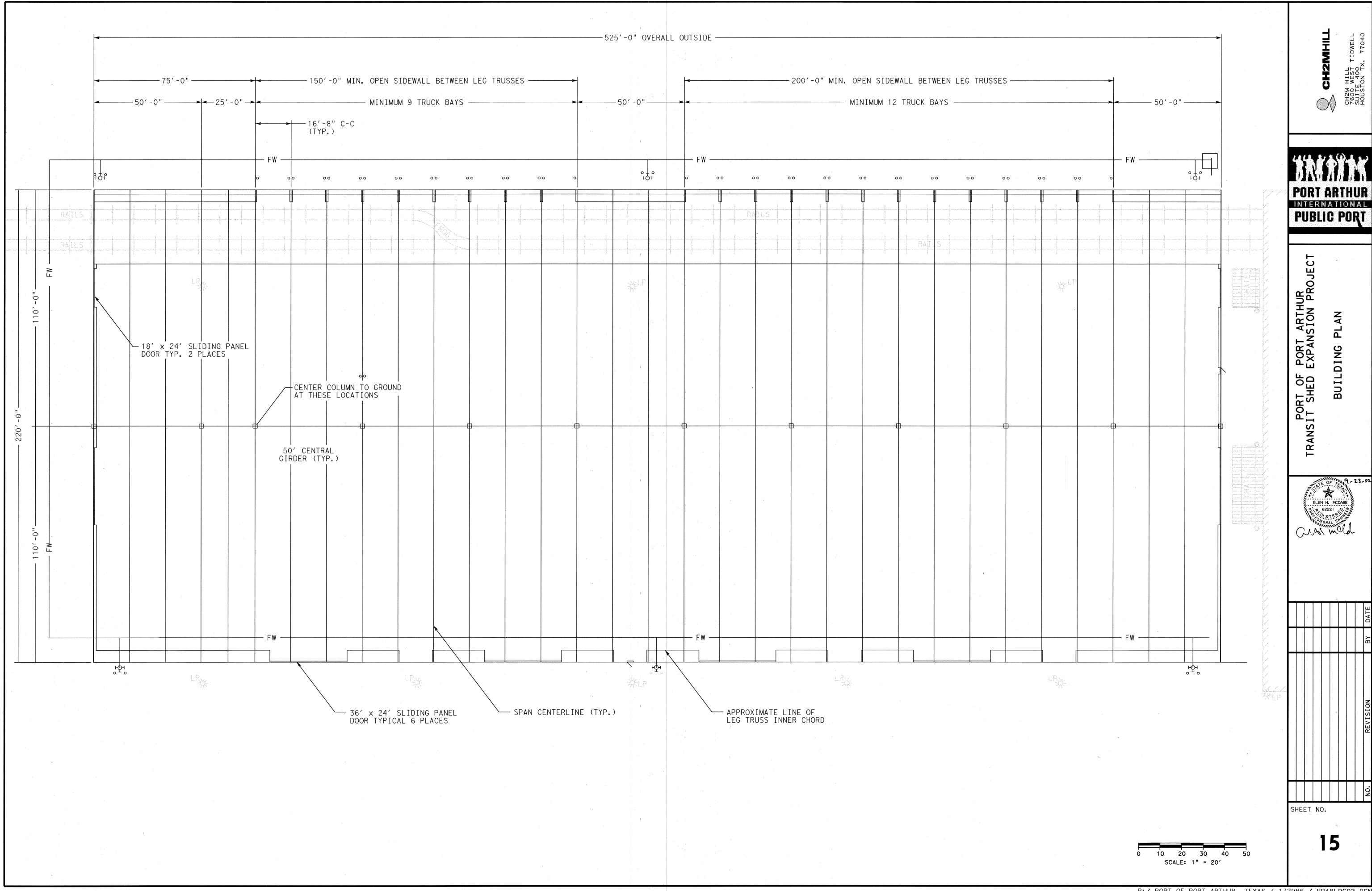
PORT ARTHUR

PUBLIC PORT

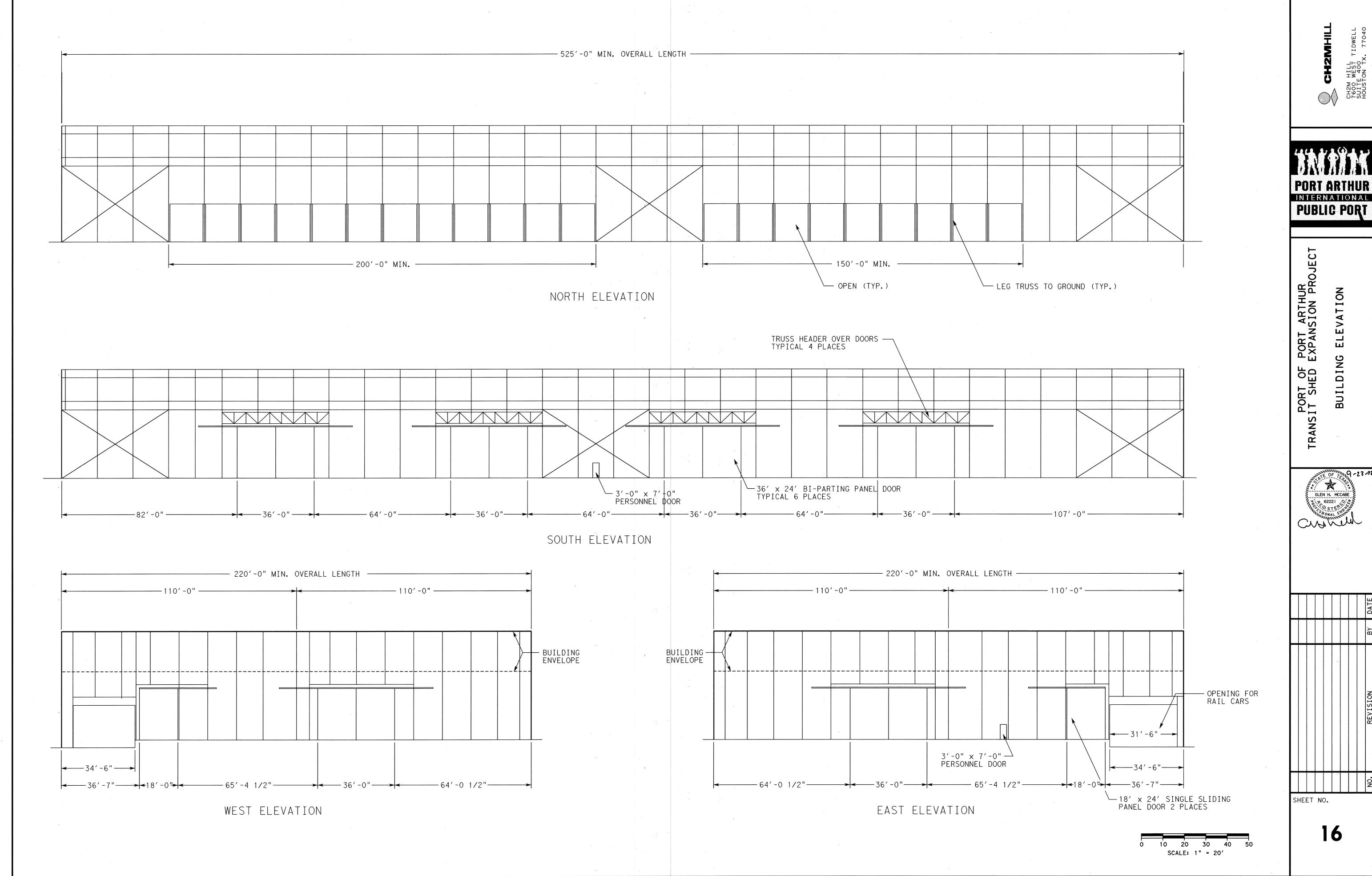
PORT OF PORT ARTHUR
TRANSIT SHED EXPANSION PROJECT
FOUNDATION DETAILS

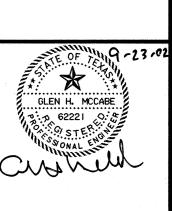
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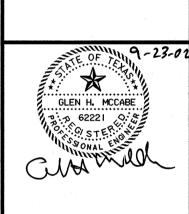


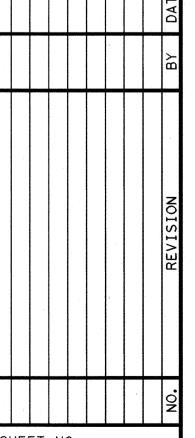


BUILDING ENVELOPE — 31′-6" MIN. — NOTE: MAXIMUM ONE INTERIOR COLUMN LINE. 0 5 10 15 20 25 SCALE: 1" = 10' CHZMHILL
7600 WEST TIDWELL
SUITE 400
HOUSTON TX. 77040

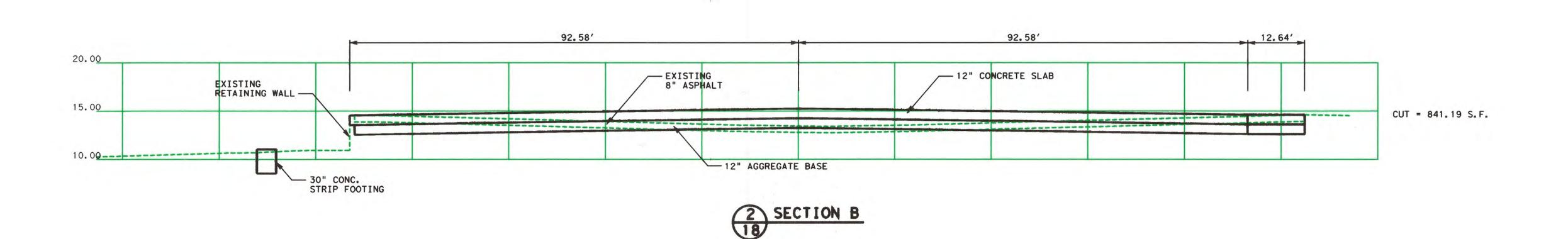
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PUBLIC PORT

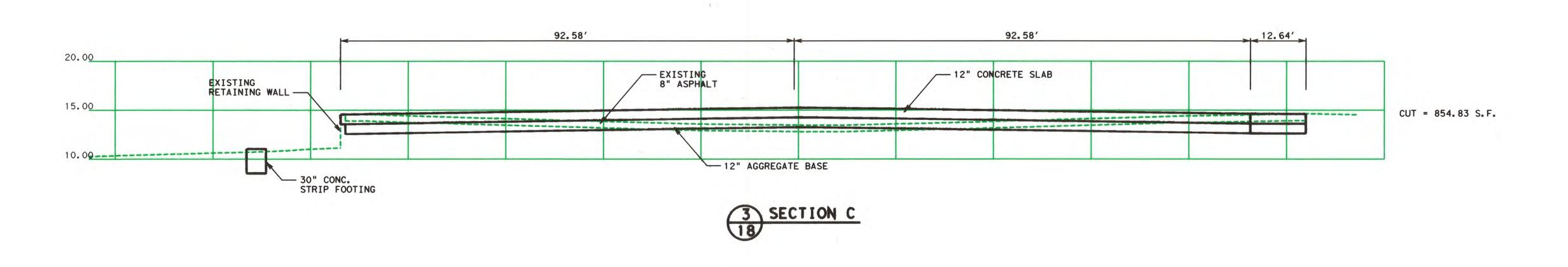
PORT OF PORT ARTHUR ANSIT SHED EXPANSION PROJE BUILDING PROFILE

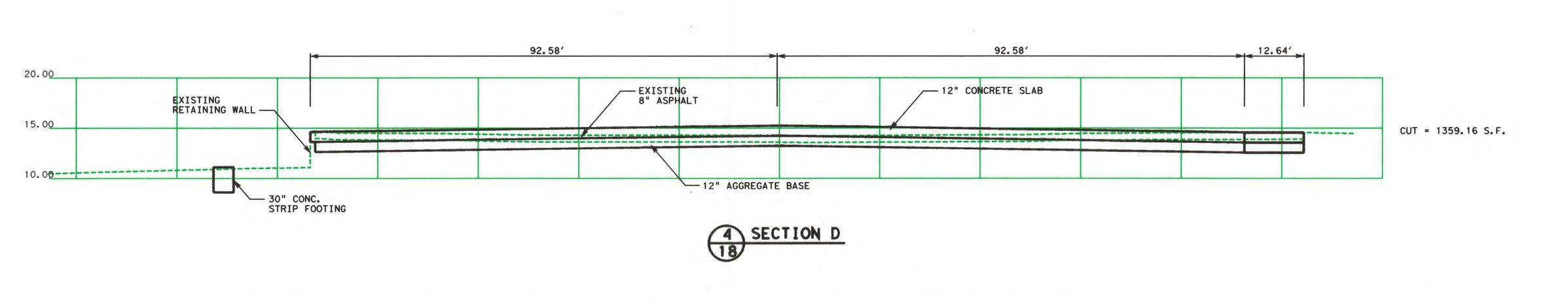




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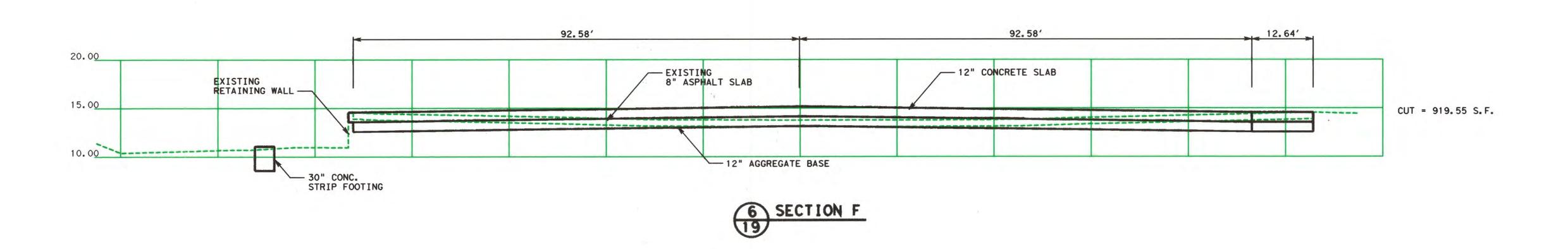
CHZM HILL TIDWELL SUITE 400 HOUSTON TX. 77040

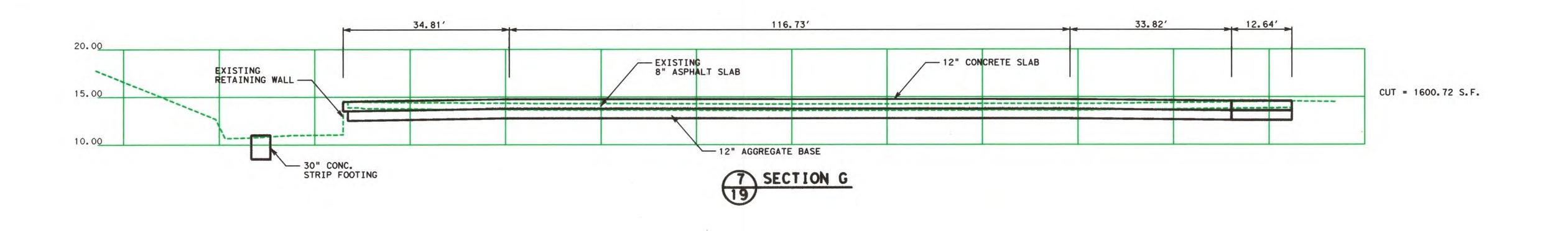
PORT ARTHUR
PUBLIC PORT

PORT OF PORT ARTHUR
TRANSIT SHED EXPANSION PROJECT
CROSS SECTIONS



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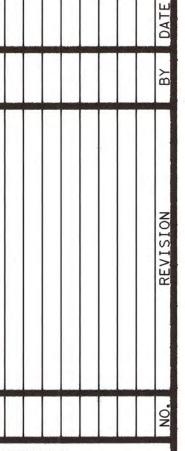


CH2M HILL 7600 WEST SUITE 400 HOUSTON TX

PUBLIC PORT

PORT OF PORT ARTHUR
TRANSIT SHED EXPANSION PROJECT
CROSS SECTIONS





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