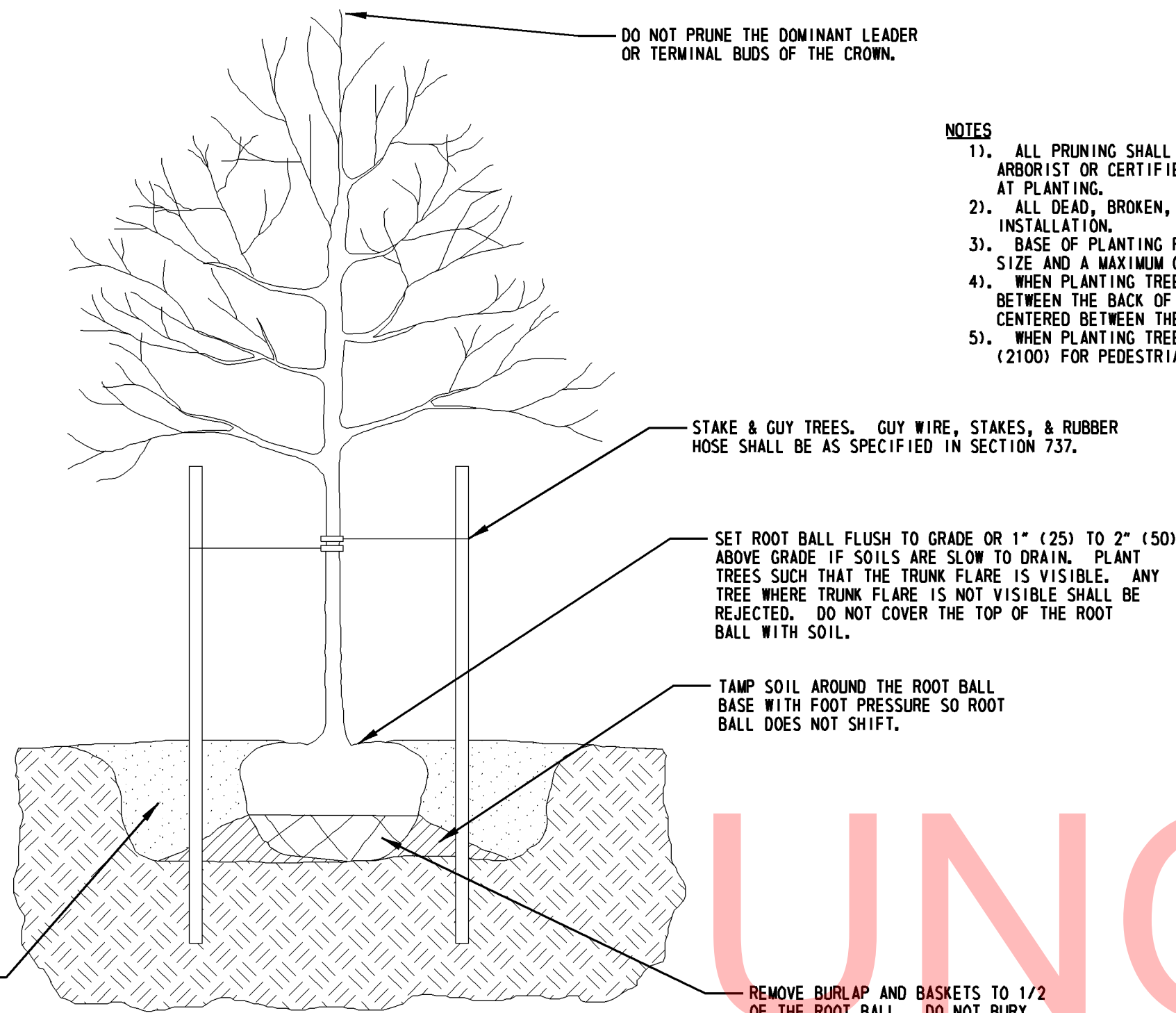
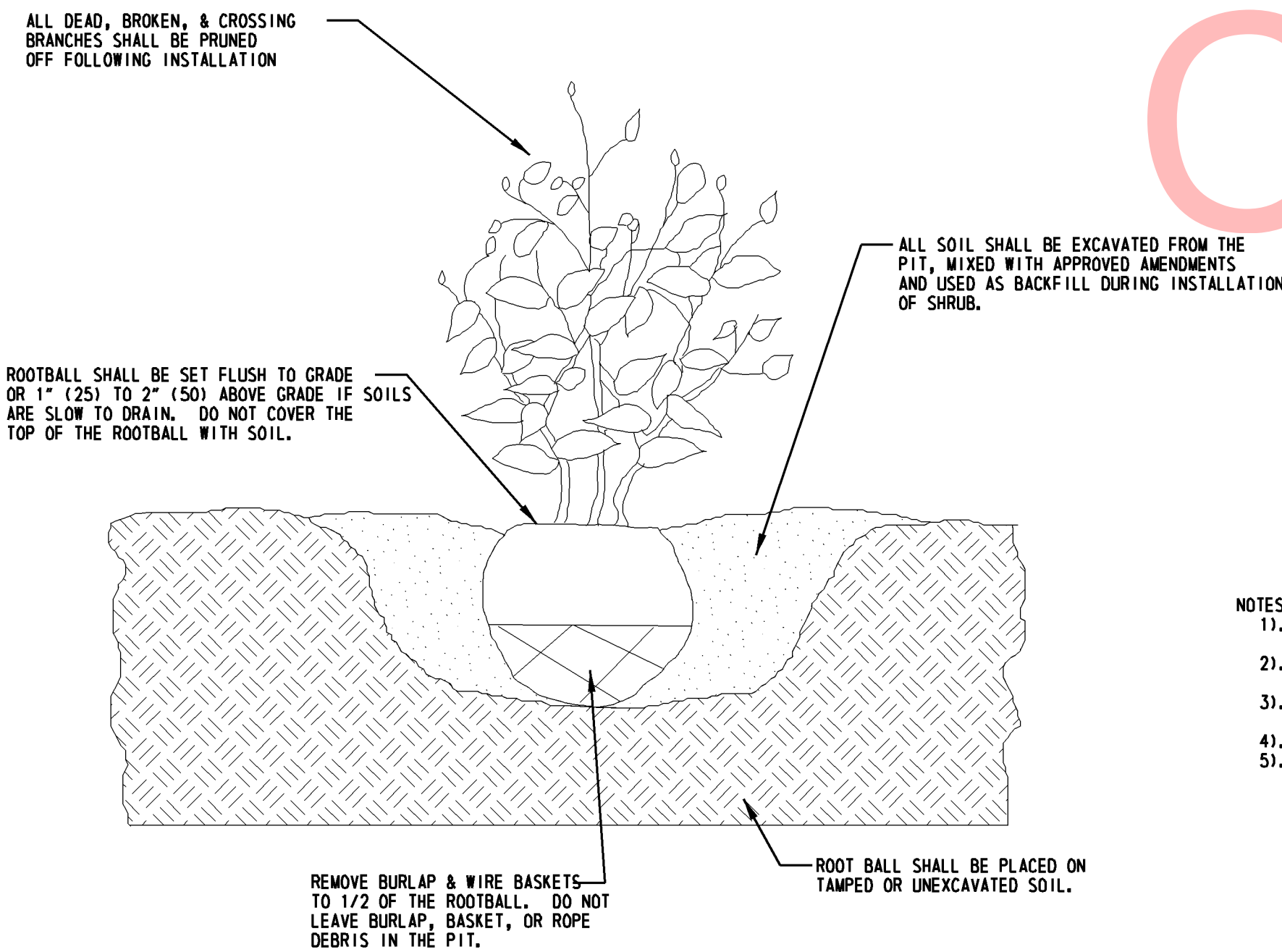


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- NOTES
- 1). ALL PRUNING SHALL BE DONE BY OR UNDER THE DIRECTION OF, AN I.S.A. CERTIFIED ARBORIST OR CERTIFIED NURSERY PROFESSIONAL. DO NOT HEAVILY PRUNE TREES AT PLANTING.
 - 2). ALL DEAD, BROKEN, & CROSSING BRANCHES SHALL BE PRUNED OFF FOLLOWING INSTALLATION.
 - 3). BASE OF PLANTING PIT SIZE SHALL BE A MINIMUM WIDTH OF TWICE THE ROOT BALL SIZE AND A MAXIMUM OF THREE TIMES THE ROOT BALL SIZE.
 - 4). WHEN PLANTING TREES ALONG STREETS, THERE MUST BE A MINIMUM OF 6' (1800) BETWEEN THE BACK OF CURB AND THE EDGE OF SIDEWALK AND SHALL BE CENTERED BETWEEN THE BACK OF CURB AND THE EDGE OF SIDEWALK.
 - 5). WHEN PLANTING TREES ALONG SIDEWALKS, THE TREE SHALL BE LIMBED TO 7' (2100) FOR PEDESTRIAN CLEARANCE.

1 TREE PLANTING DETAIL
LS22 SCALE 1"= 1'



- NOTES:
- 1). BASE OF PLANTING PIT SHALL BE A MINIMUM WIDTH OF TWICE THE ROOT BALL SIZE AND A MAXIMUM OF THREE TIMES THE ROOT BALL SIZE.
 - 2). SHRUBS SHALL BE INSTALLED IN MASSES OF NO LESS THAN 3 PLANTS. A MINIMUM OF 6' (1800) WIDTH IS REQUIRED FROM THE BACK OF CURB TO THE EDGE OF SIDEWALK FOR INSTALLATION OF SHRUBS.
 - 3). ALL PRUNING SHALL BE DONE BY AN I.S.A. CERTIFIED ARBORIST, CERTIFIED NURSERY PROFESSIONAL, OR UNDER THE DIRECTION THEREOF. DO NOT HEAVILY PRUNE SHRUBS AT PLANTING.
 - 4). AUGERED HOLES SHALL BE HAND DUG TO FINAL WIDTH AND TO ELIMINATE GLAZING.
 - 5). ALL SHRUB MASSES SHALL BE MULCHED AS ONE CONTINUOUS BED.

2 ROADSIDE SHRUB PLANTING DETAIL
LS22 SCALE 1"= 1'



DELAWARE
DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

AS SHOWN

INDIAN RIVER INLET
PARK ENHANCEMENTS

CONTRACT

T200507303

COUNTY

SUSSEX

BRIDGE NO.

X

DESIGNED BY: RK&K

CHECKED BY: RK&K

LANDSCAPING DETAIL
(ADD ALTERNATE 2)

LS22. AA2

SHEET NO.

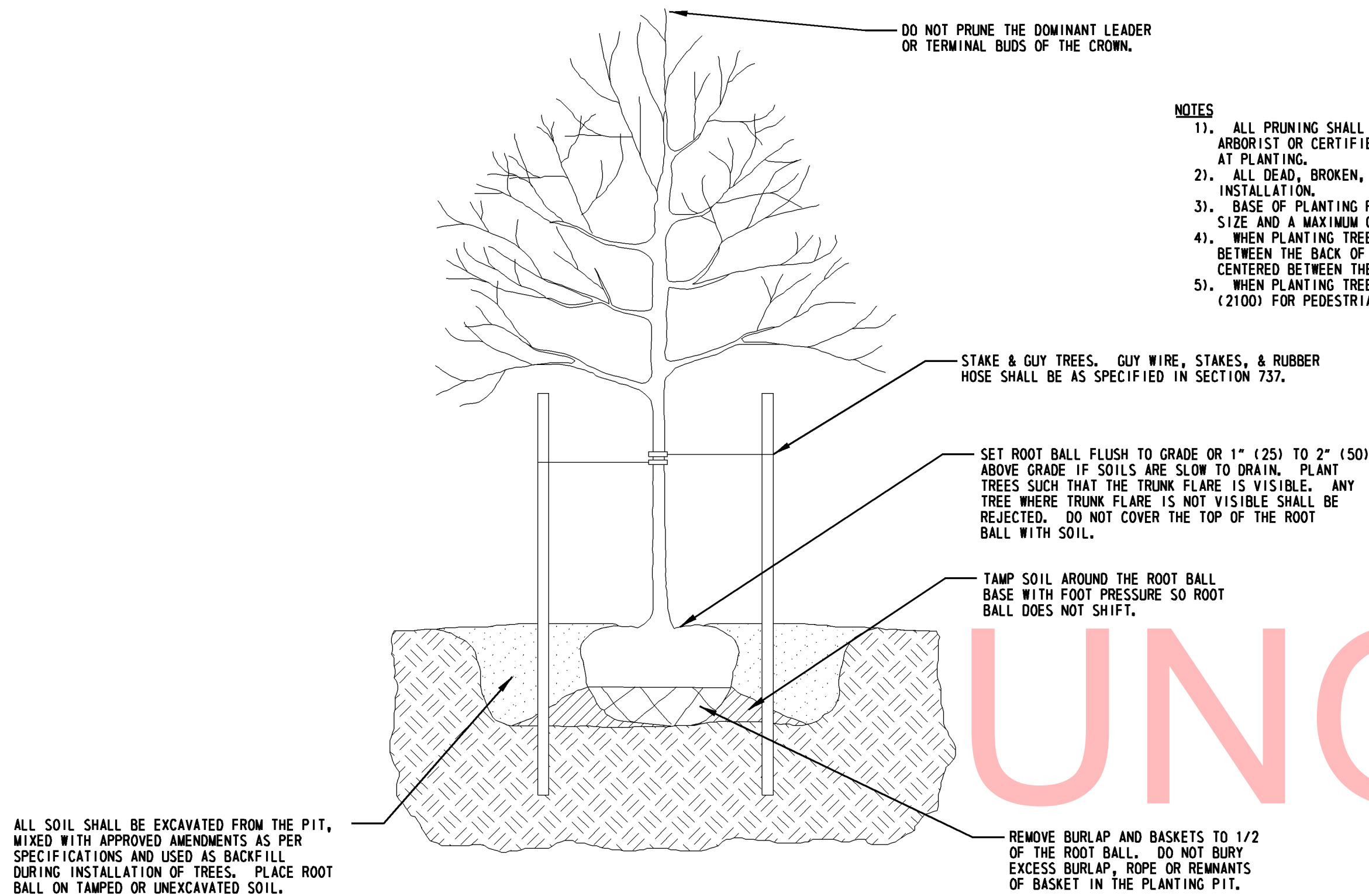
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TOTAL SHTS.

282

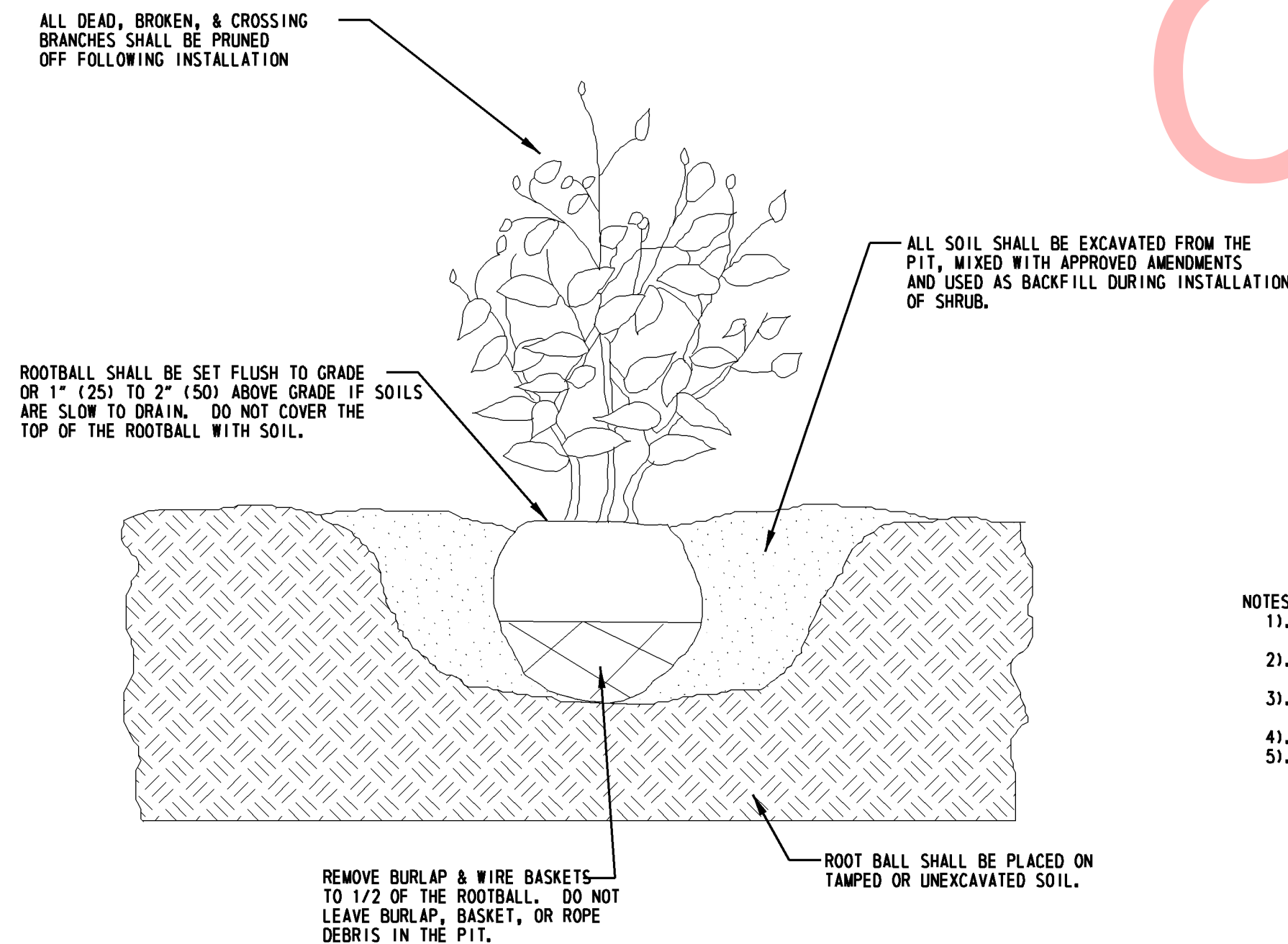
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1
LS22 TREE PLANTING DETAIL
SCALE 1"= 1'



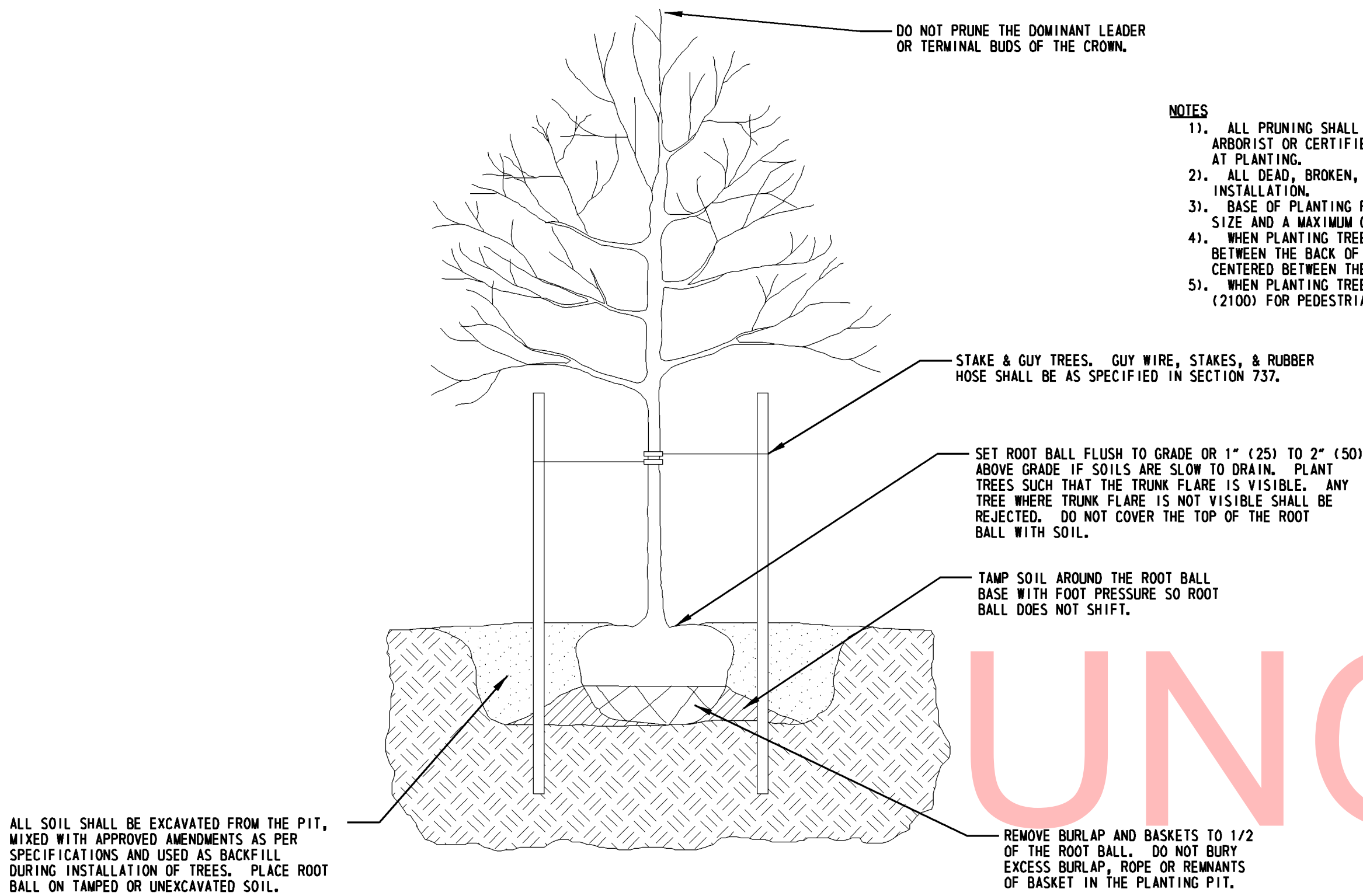
- NOTES
- 1). ALL PRUNING SHALL BE DONE BY OR UNDER THE DIRECTION OF, AN I.S.A. CERTIFIED ARBORIST OR CERTIFIED NURSERY PROFESSIONAL. DO NOT HEAVILY PRUNE TREES AT PLANTING.
 - 2). ALL DEAD, BROKEN, & CROSSING BRANCHES SHALL BE PRUNED OFF FOLLOWING INSTALLATION.
 - 3). BASE OF PLANTING PIT SIZE SHALL BE A MINIMUM WIDTH OF TWICE THE ROOT BALL SIZE AND A MAXIMUM OF THREE TIMES THE ROOT BALL SIZE.
 - 4). WHEN PLANTING TREES ALONG STREETS, THERE MUST BE A MINIMUM OF 6' (1800) BETWEEN THE BACK OF CURB AND THE EDGE OF SIDEWALK AND SHALL BE CENTERED BETWEEN THE BACK OF CURB AND THE EDGE OF SIDEWALK.
 - 5). WHEN PLANTING TREES ALONG SIDEWALKS, THE TREE SHALL BE LIMBED TO 7' (2100) FOR PEDESTRIAN CLEARANCE.

2
LS22 ROADSIDE SHRUB PLANTING DETAIL
SCALE 1"= 1'

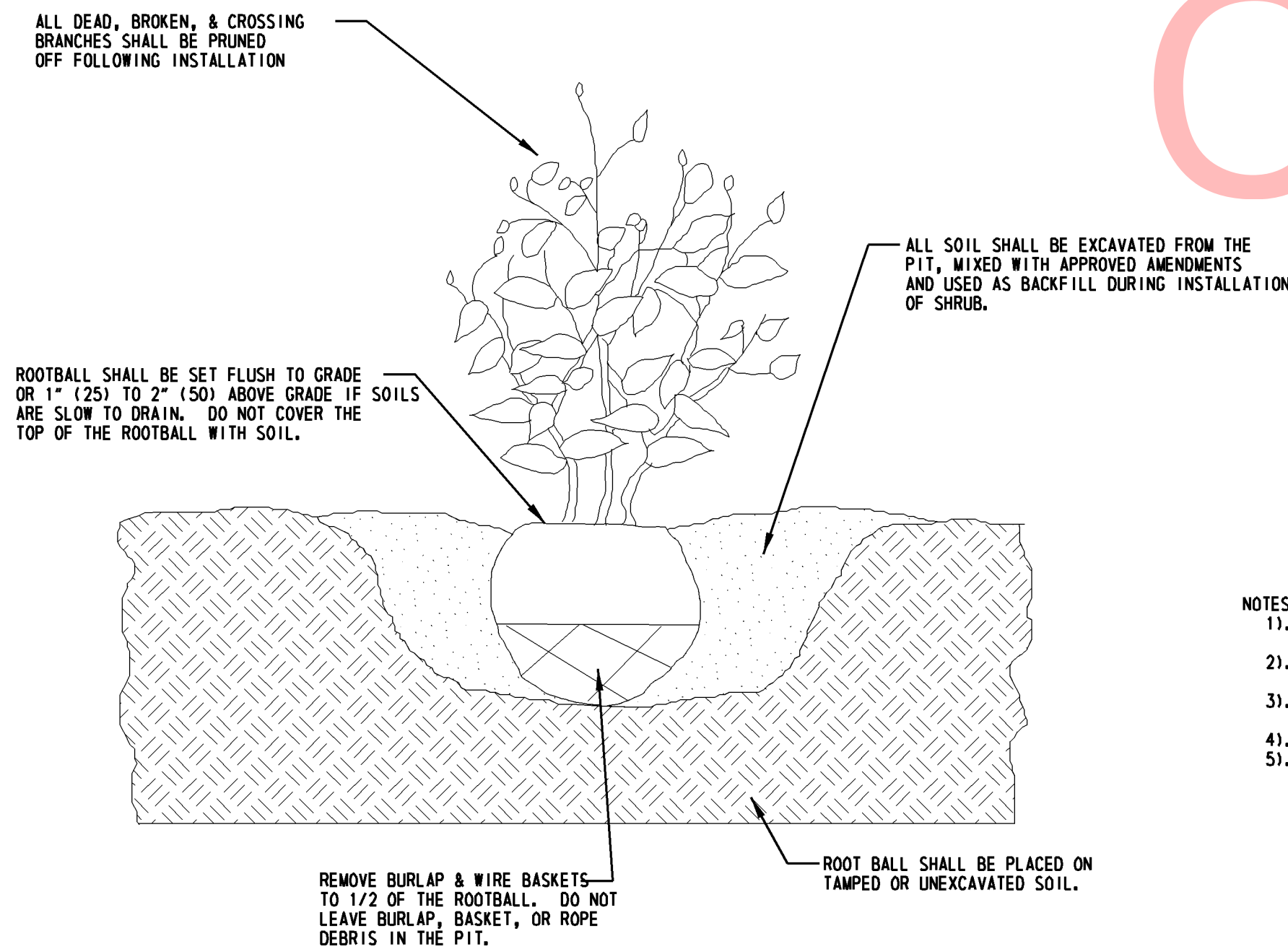


- NOTES:
- 1). BASE OF PLANTING PIT SHALL BE A MINIMUM WIDTH OF TWICE THE ROOT BALL SIZE AND A MAXIMUM OF THREE TIMES THE ROOT BALL SIZE.
 - 2). SHRUBS SHALL BE INSTALLED IN MASSES OF NO LESS THAN 3 PLANTS. A MINIMUM OF 6' (1800) WIDTH IS REQUIRED FROM THE BACK OF CURB TO THE EDGE OF SIDEWALK FOR INSTALLATION OF SHRUBS.
 - 3). ALL PRUNING SHALL BE DONE BY AN I.S.A. CERTIFIED ARBORIST, CERTIFIED NURSERY PROFESSIONAL, OR UNDER THE DIRECTION THEREOF. DO NOT HEAVILY PRUNE SHRUBS AT PLANTING.
 - 4). AUGERED HOLES SHALL BE HAND DUG TO FINAL WIDTH AND TO ELIMINATE GLAZING.
 - 5). ALL SHRUB MASSES SHALL BE MULCHED AS ONE CONTINUOUS BED.

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1 TREE PLANTING DETAIL
LS22 SCALE 1"= 1'



2 ROADSIDE SHRUB PLANTING DETAIL
LS22 SCALE 1"= 1'



DELAWARE
DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

AS SHOWN

INDIAN RIVER INLET
PARK ENHANCEMENTS

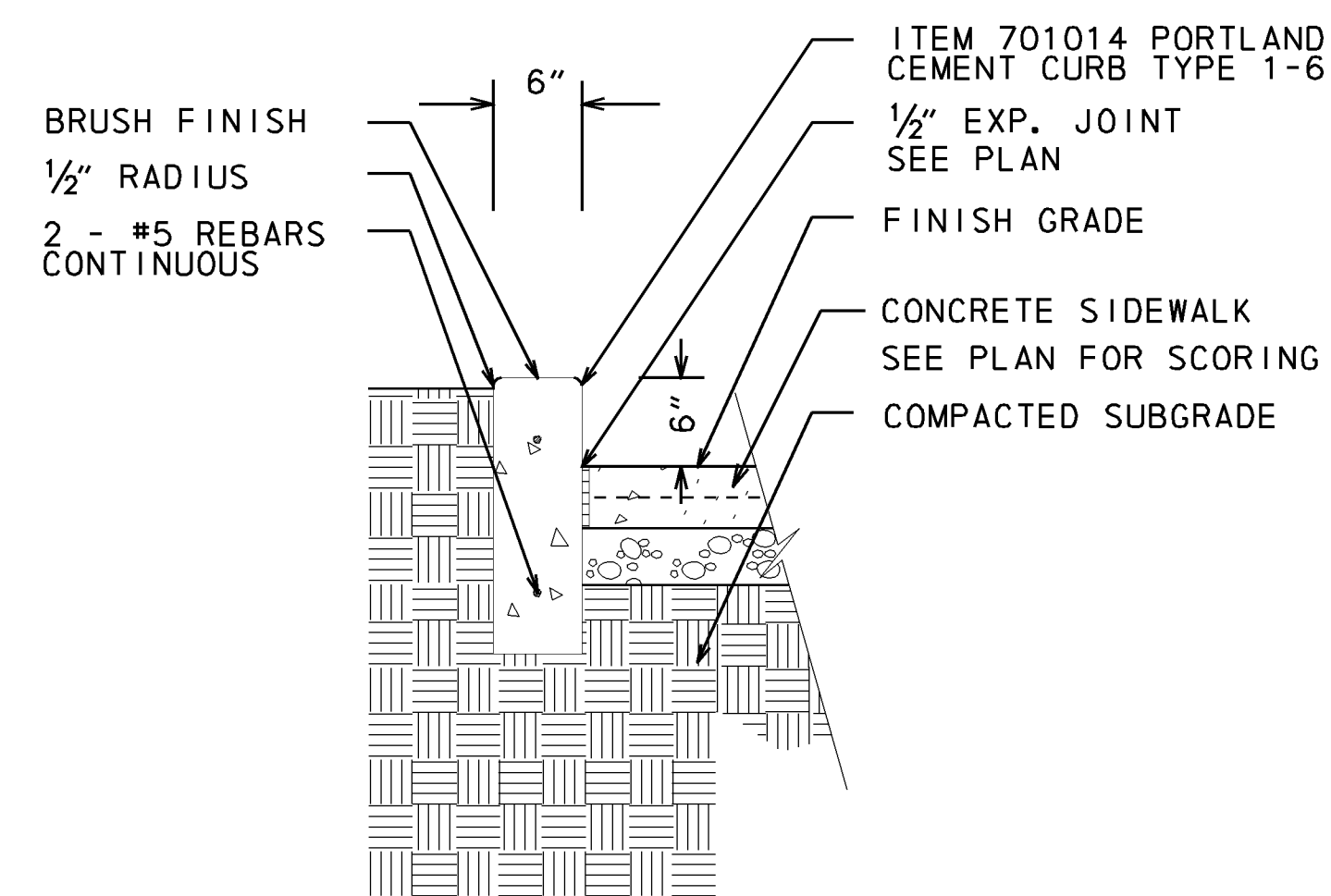
CONTRACT
T200507303
COUNTY
SUSSEX

BRIDGE NO.
DESIGNED BY: RK&K
CHECKED BY: RK&K

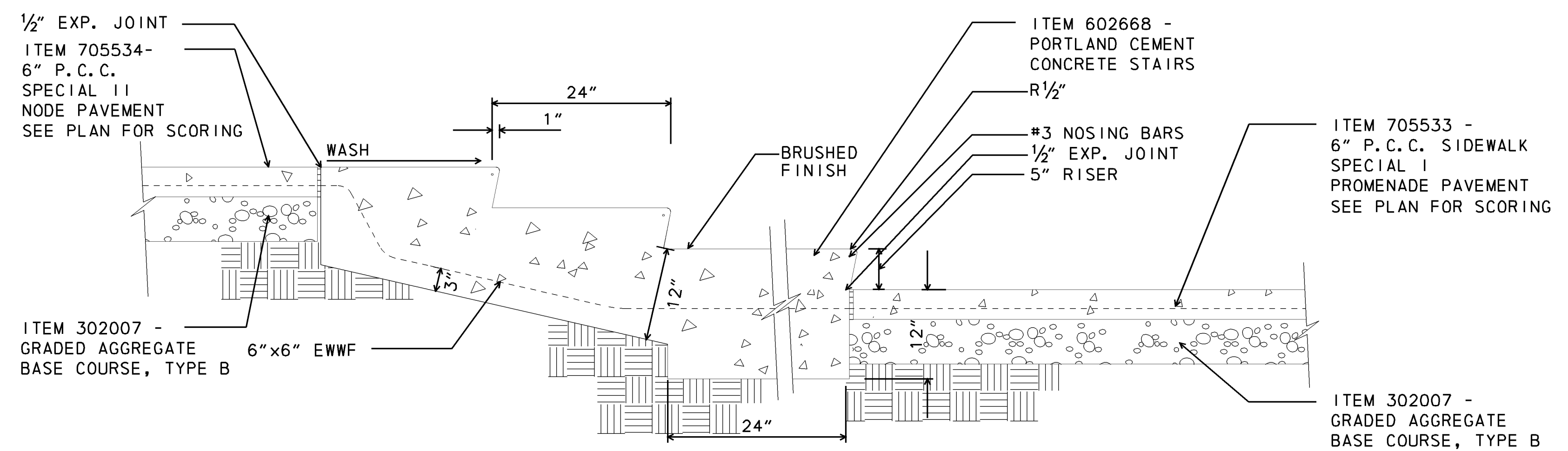
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LANDSCAPING DETAIL
(BASE BID)

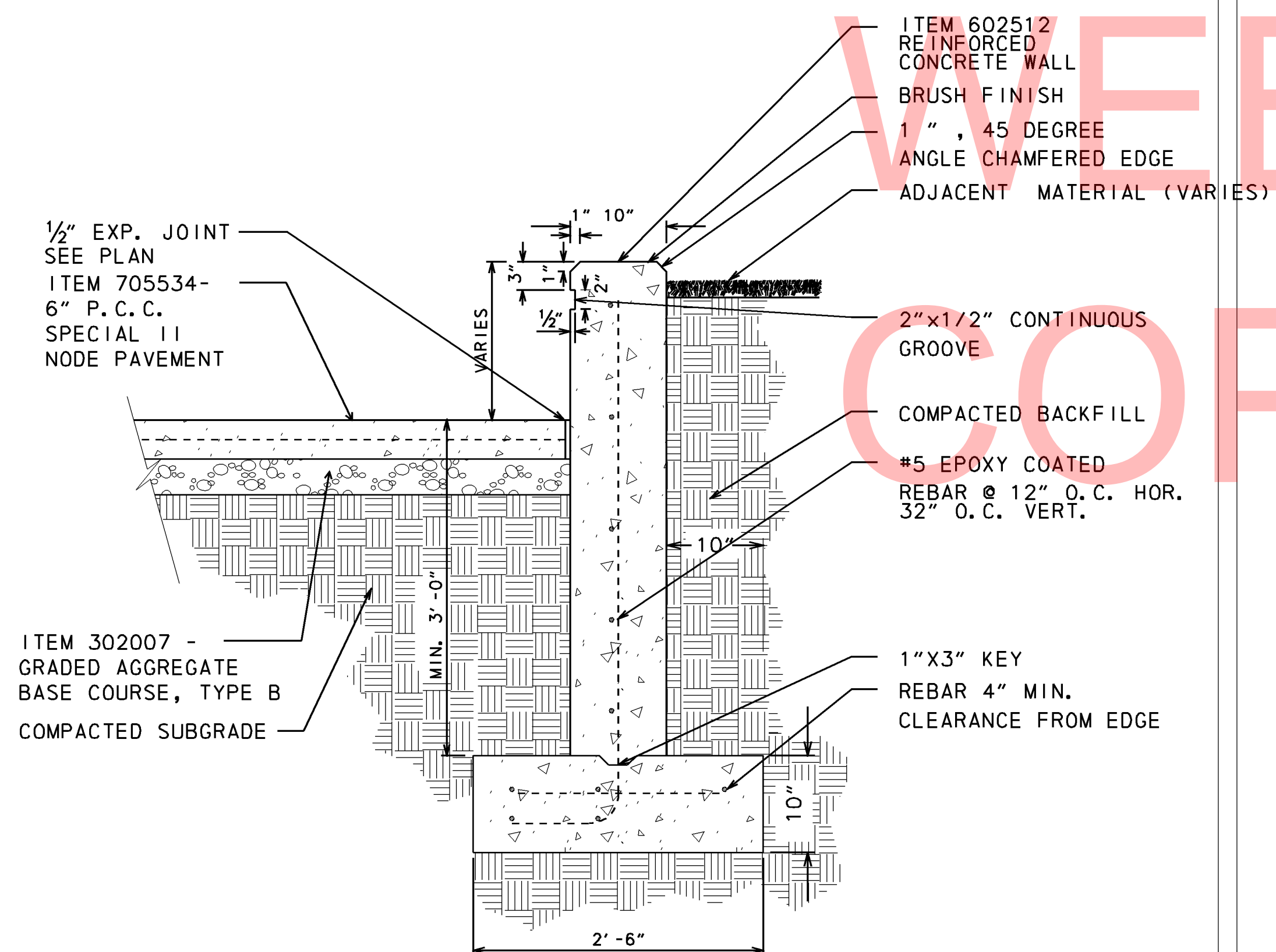
LS22.BB
SHEET NO.
144
TOTAL SHTS.
282



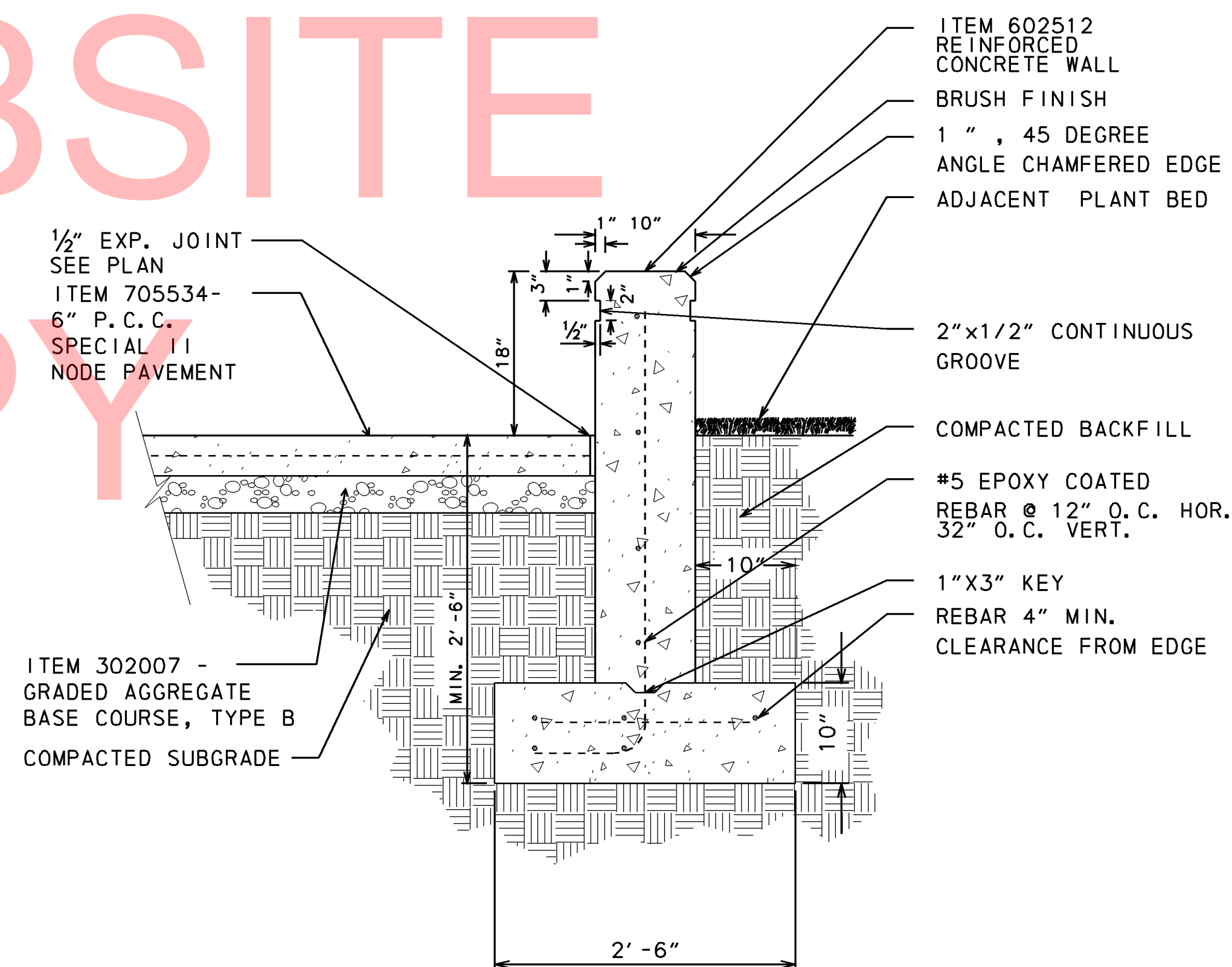
1 CONCRETE CURB
LSD01 SCALE 1" = 1'



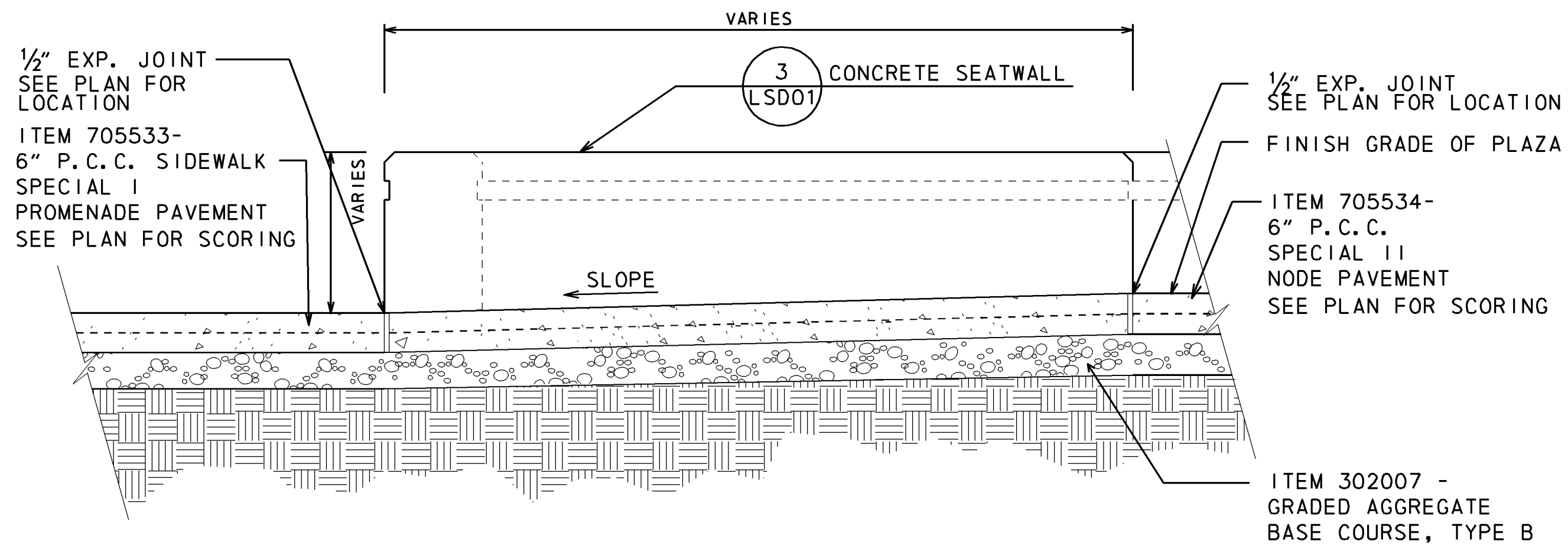
2 5" RISER 24" TREAD CONCRETE STAIRS
LSD01 SCALE 1" = 1'



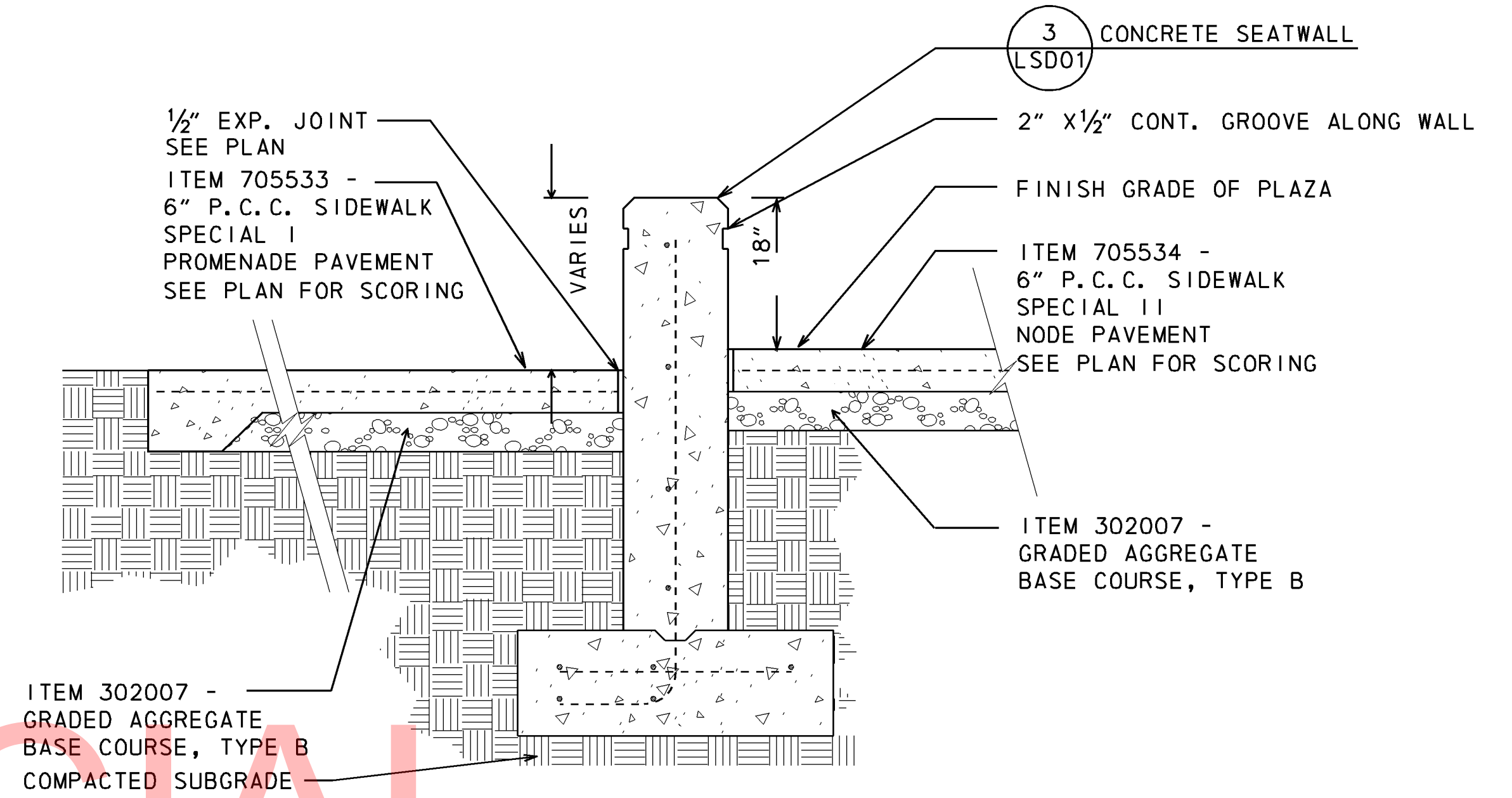
3 CONCRETE SEATWALL
LSD01 SCALE 1" = 1'



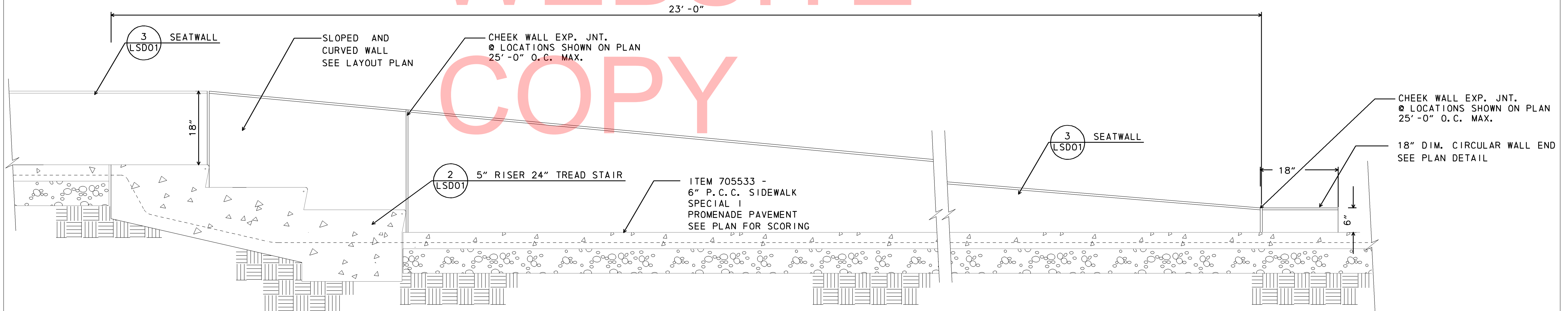
4 CONCRETE SEATWALL AT BEACH SHOWER
LSD01 SCALE 1" = 1'



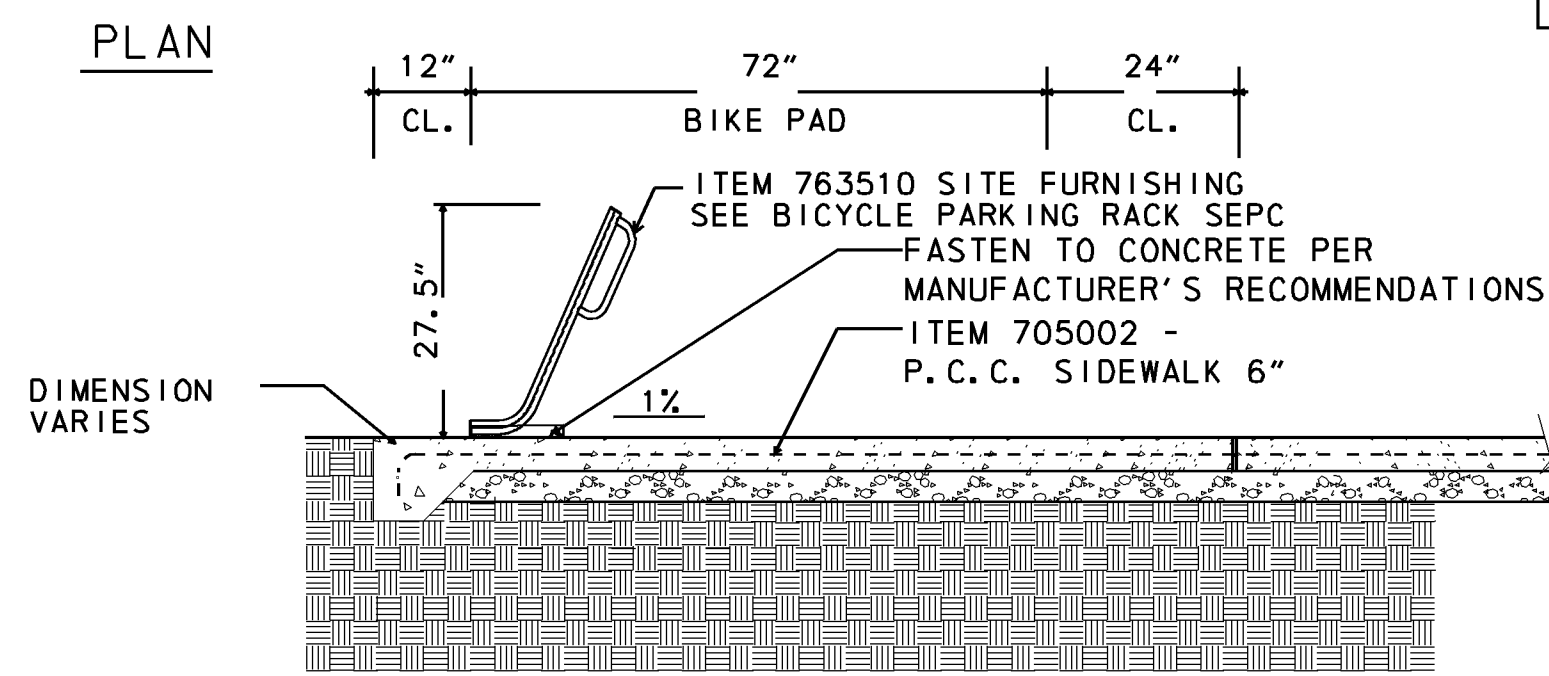
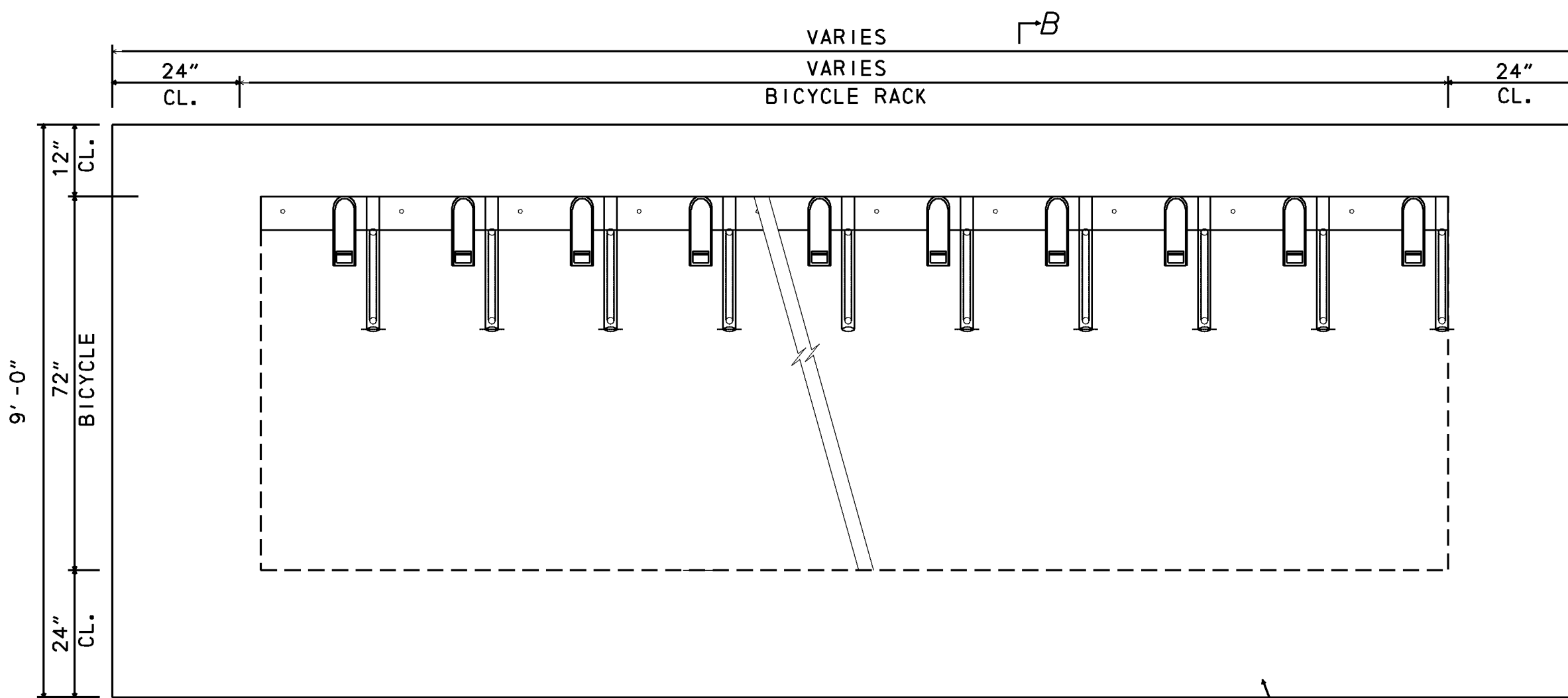
1 CONCRETE RAMP @ SOUTHEAST NODE
LSD02 SCALE 1" = 1'



2 RAMP & SEATWALL DETAIL @ SOUTHWEST NODE
LSD02 SCALE 1" = 1'

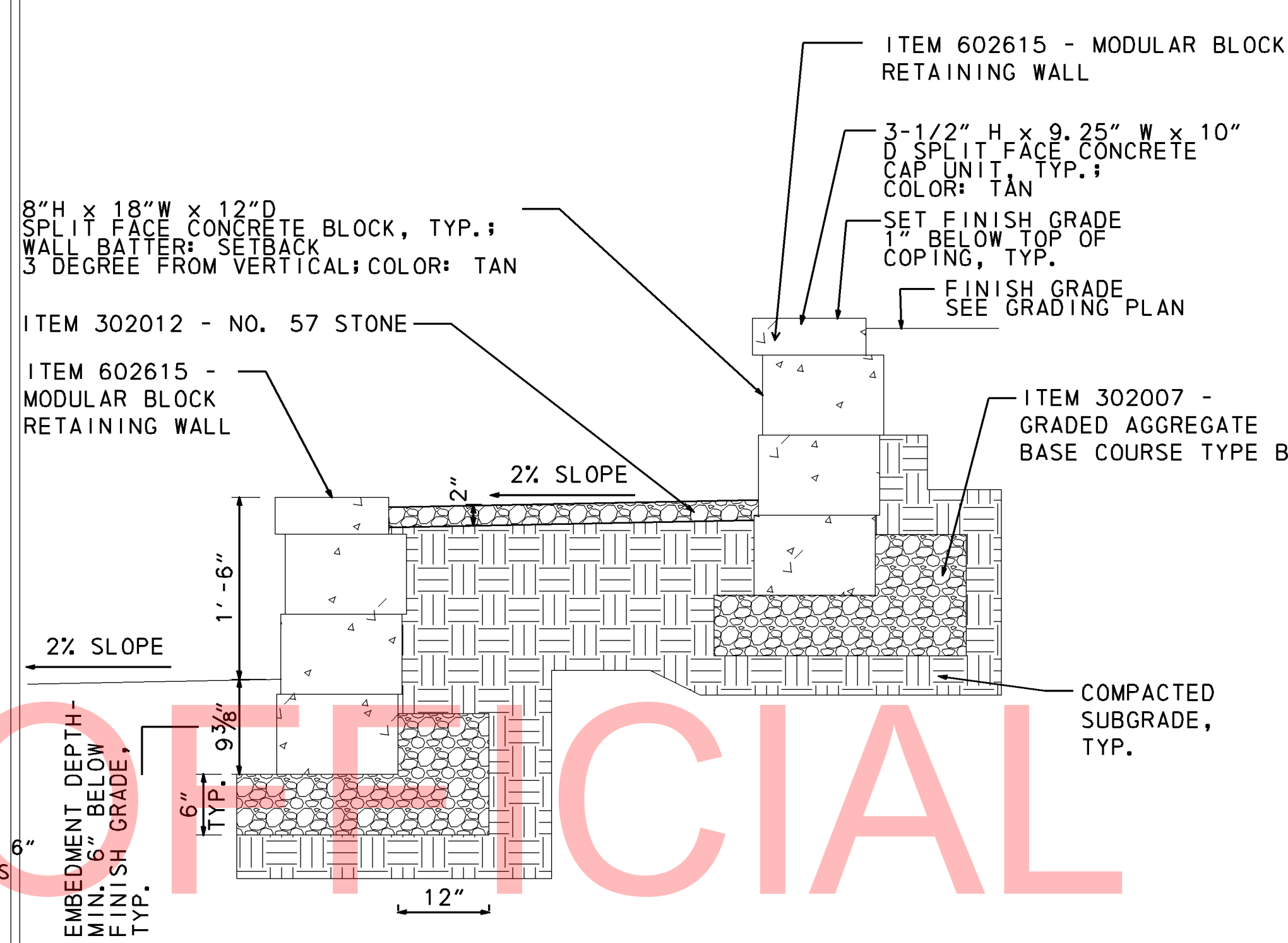


3 CURVALINEAR CONCRETE SEATWALL
LSD02 SCALE 1" = 1'

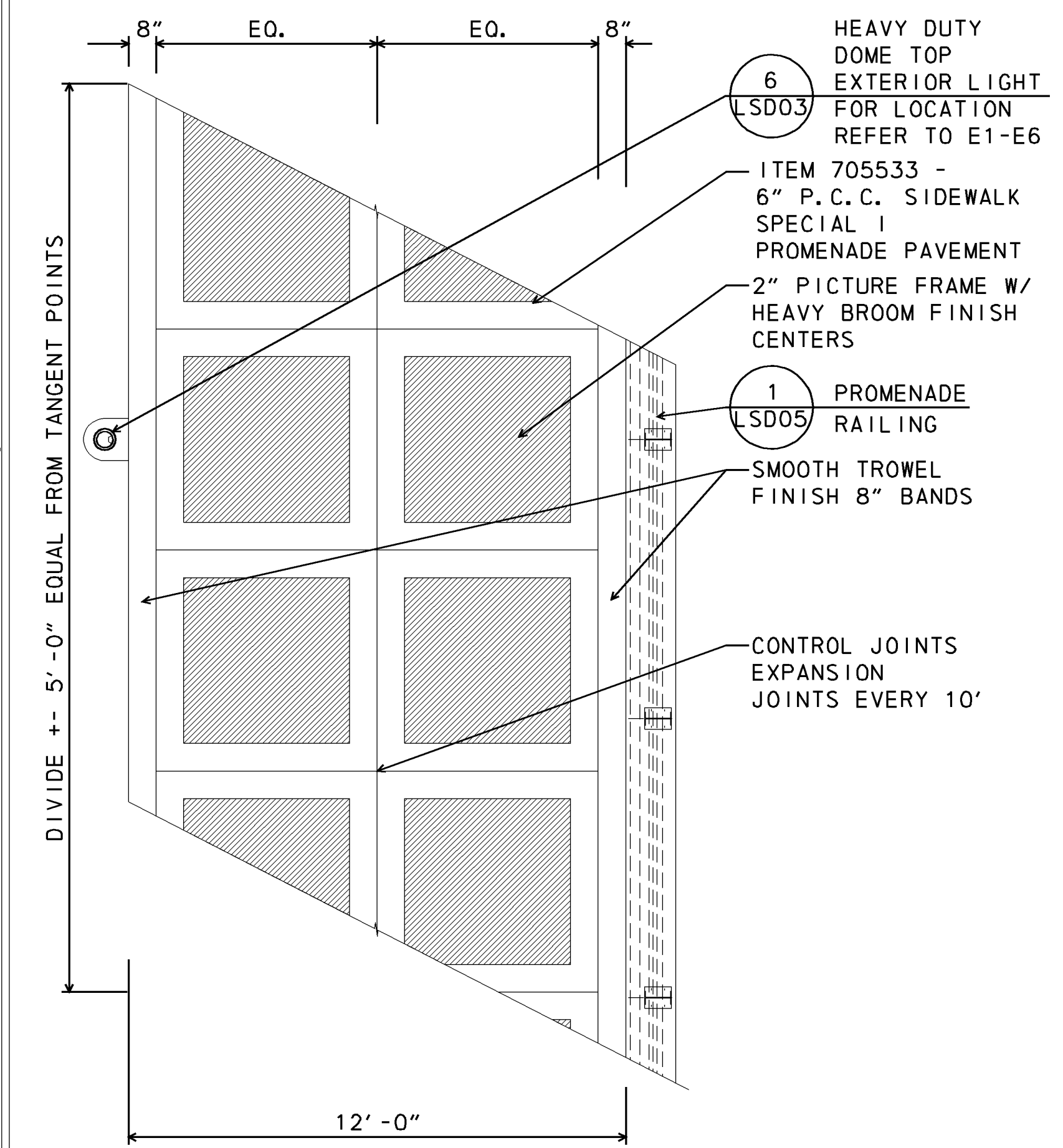


SECTION B-B

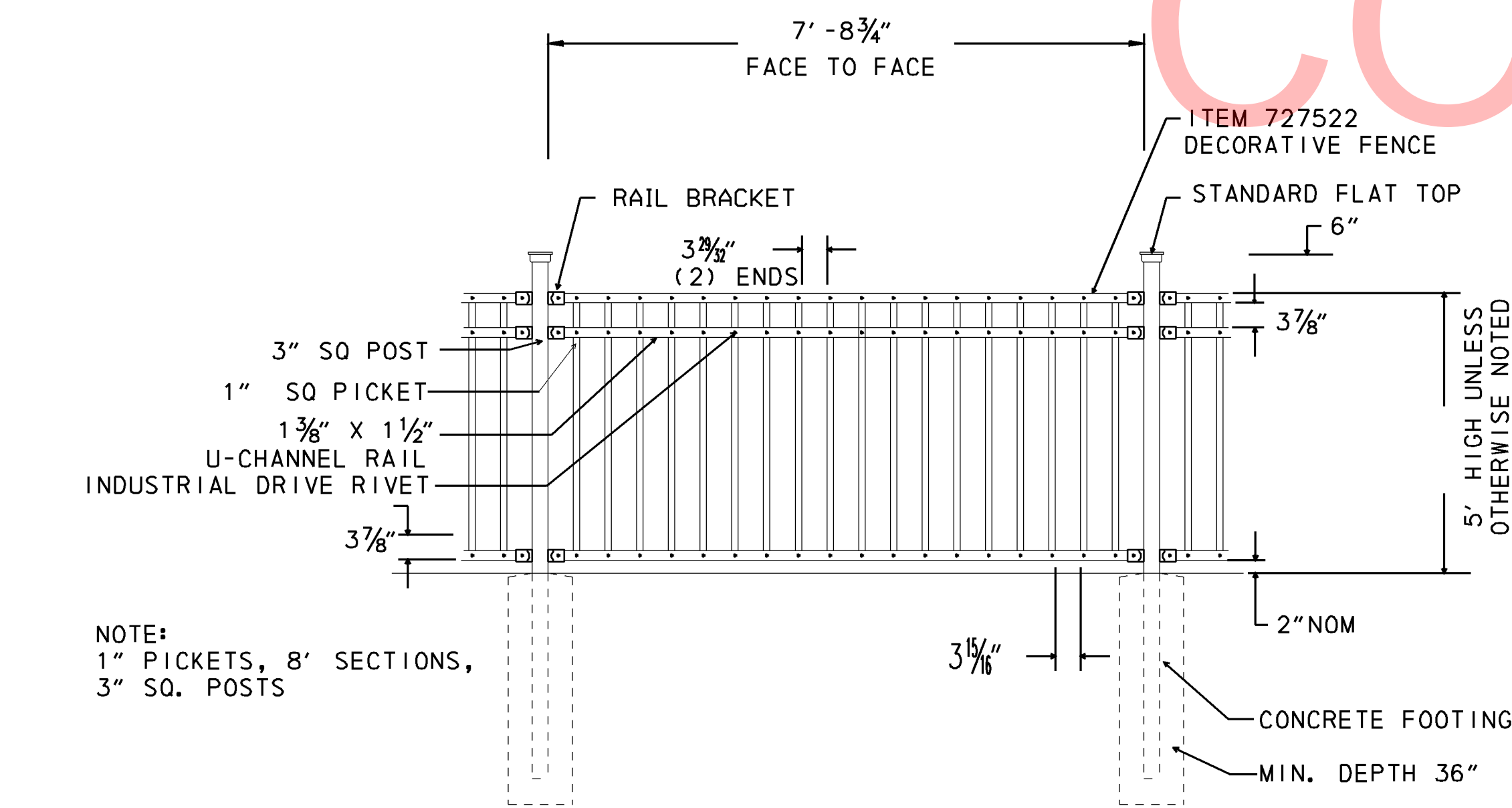
1 BIKE RACK
LSD03 SCALE 1/2" = 1'



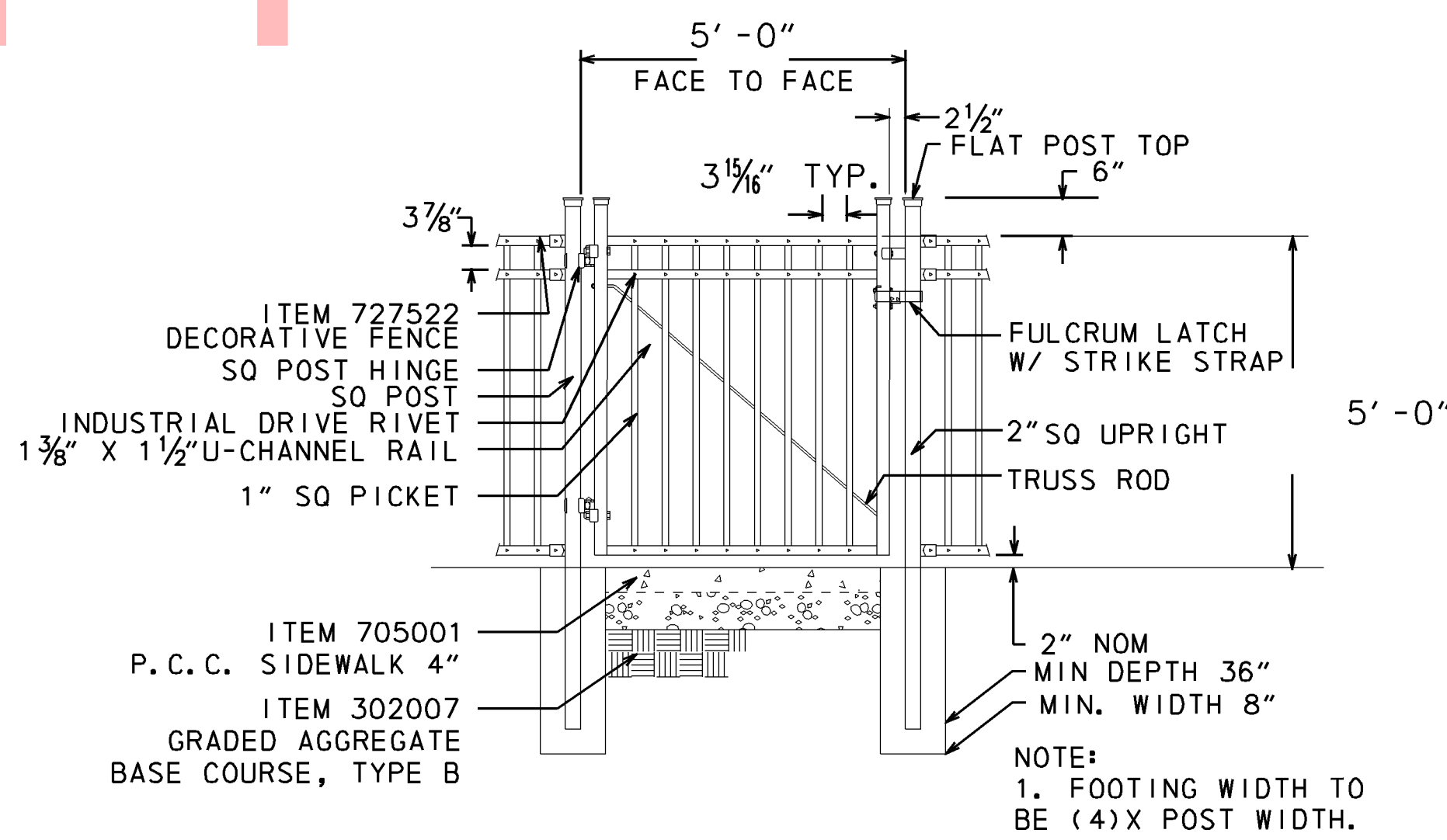
2 AMPHITHEATER SEATING
LSD03 SCALE 1" = 1'



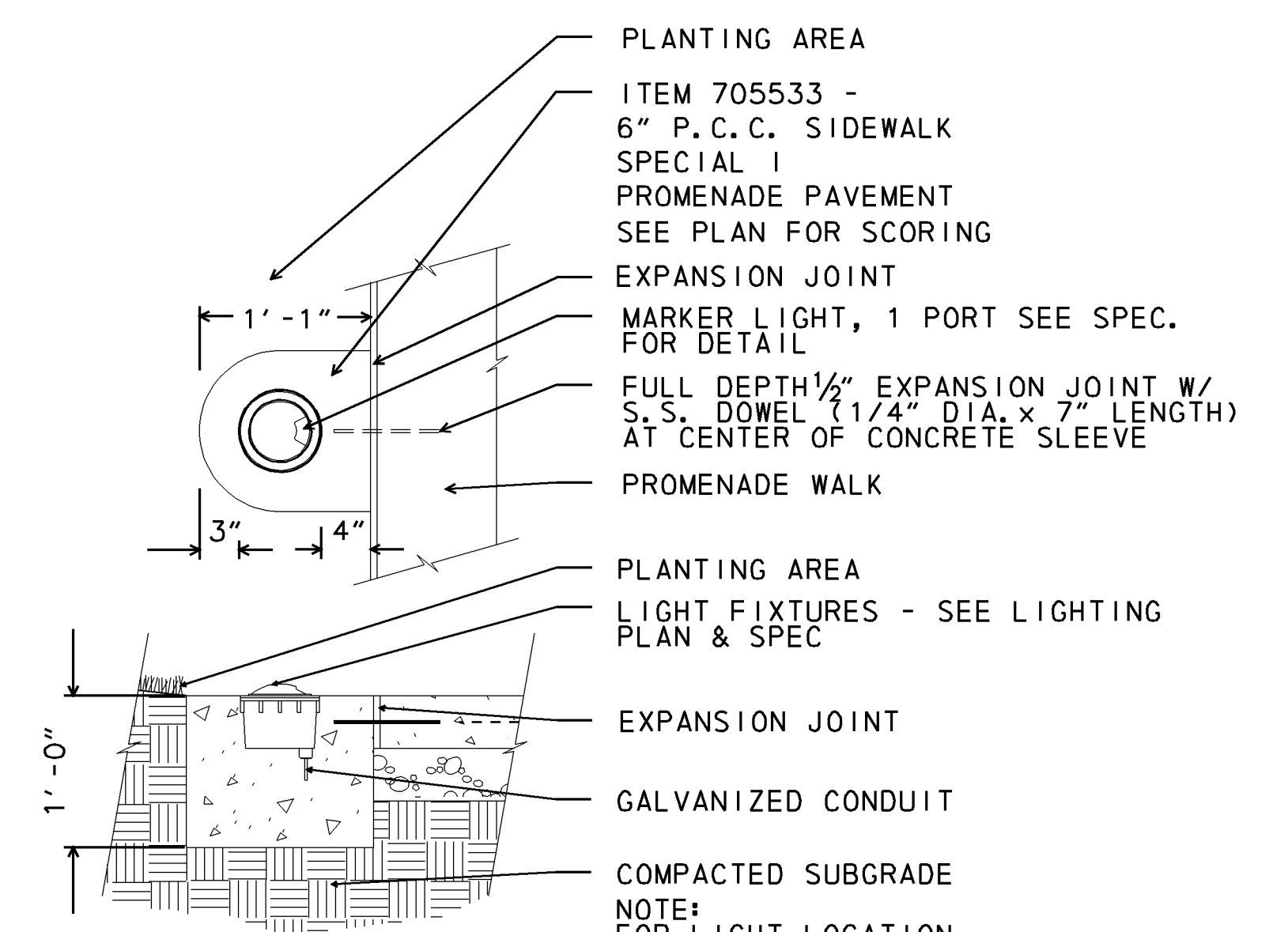
3 TYP. PROMENADE PAVEMENT PATTERN
LSD03 SCALE 3" = 1'



4 3 RAIL TUBULAR STEEL 5' FENCE
LSD03 SCALE 1/2" = 1'



5 3 RAIL TUBULAR STEEL 5'-0" WIDE GATE
LSD03 SCALE 1/2" = 1'



6 HEAVY DUTY DOME TOP EXTERIOR LIGHT
LSD03 SCALE 1" = 1'

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WEBSITE
COPY

ADDENDUMS / REVISIONS

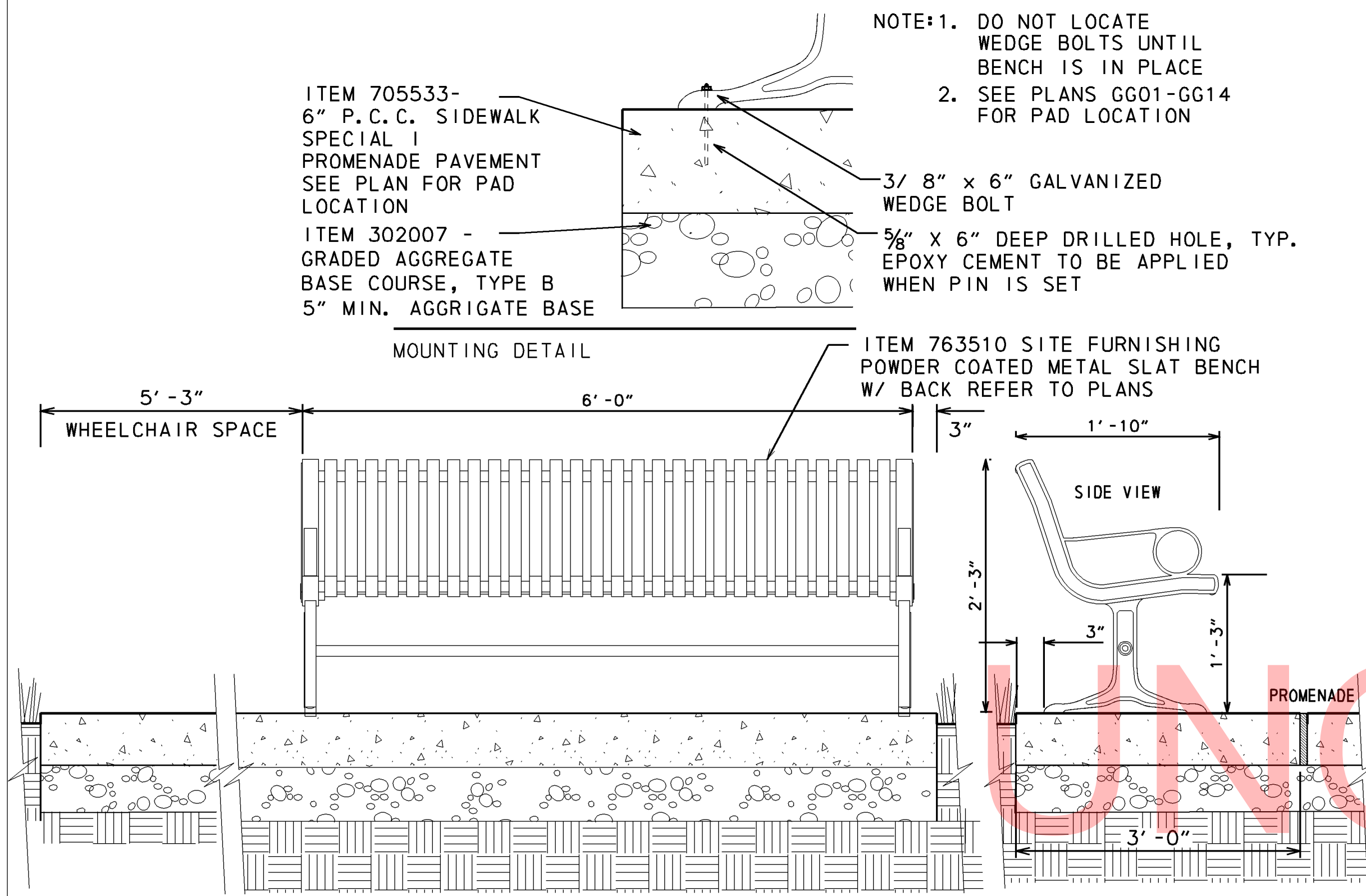
AS SHOWN

INDIAN RIVER INLET
PARK ENHANCEMENTS

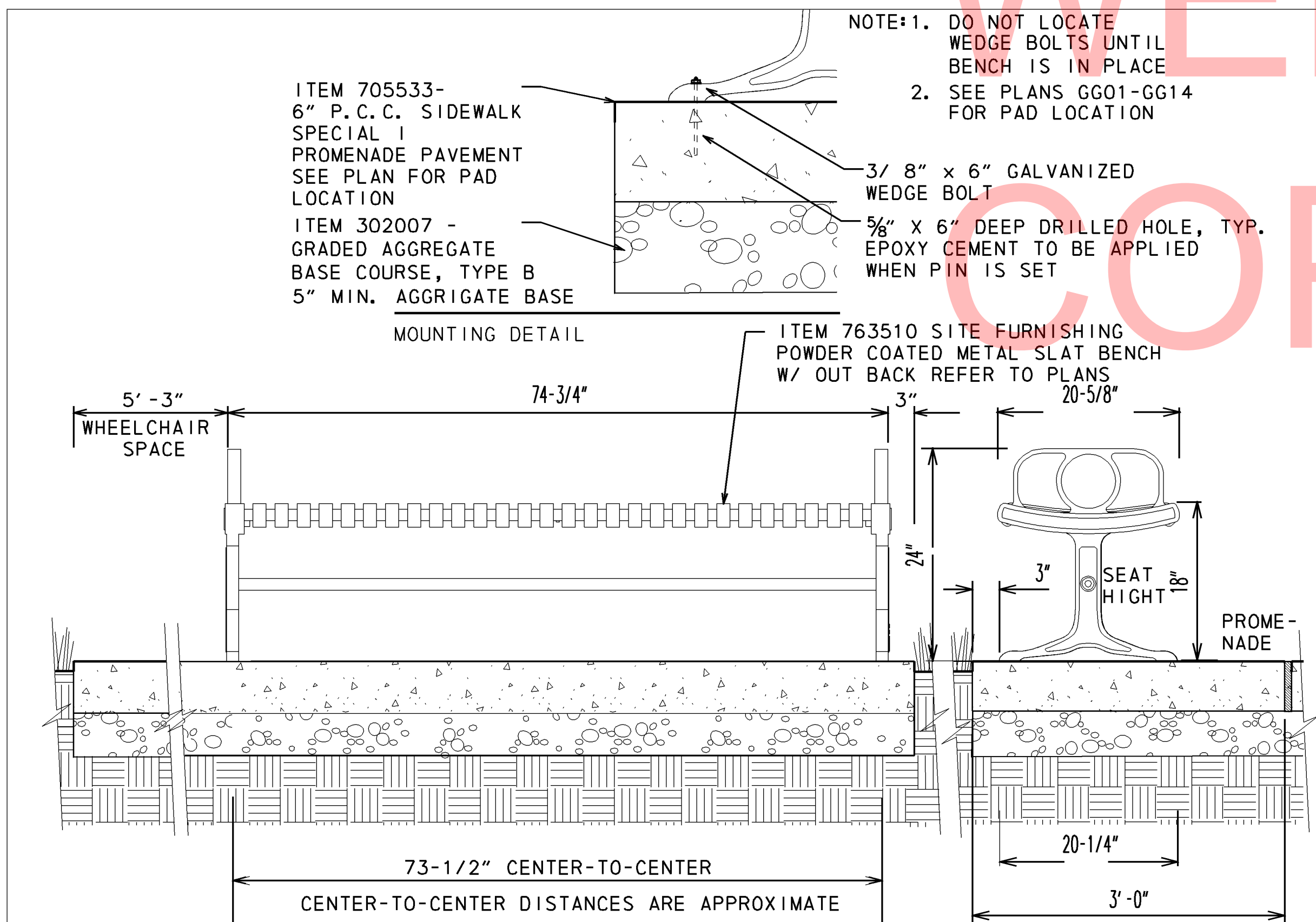
CONTRACT	BRIDGE NO.	X
T200507303	DESIGNED BY: RK&K	
COUNTY	CHECKED BY: RK&K	
SUSSEX		

LANDSCAPING DETAIL

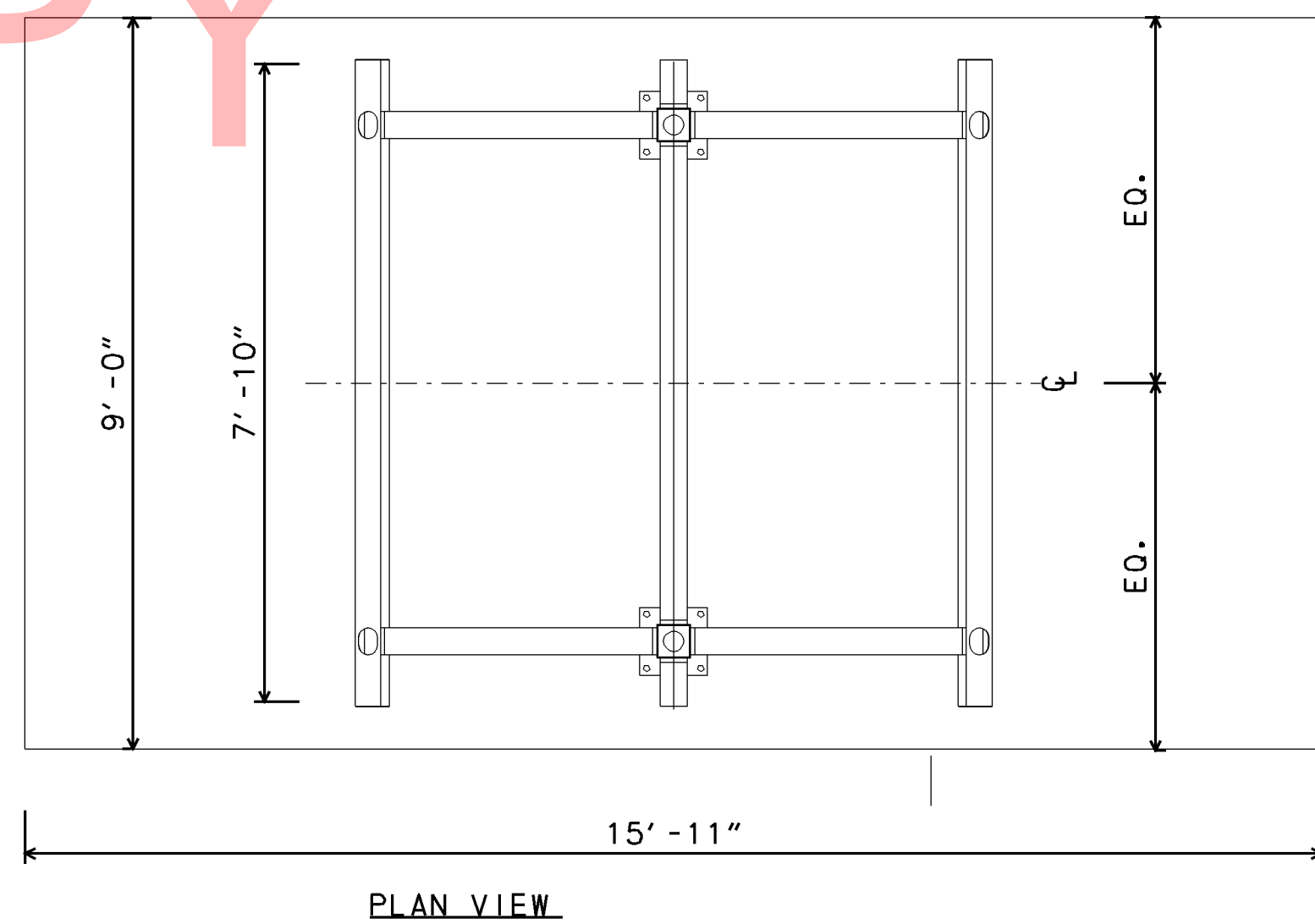
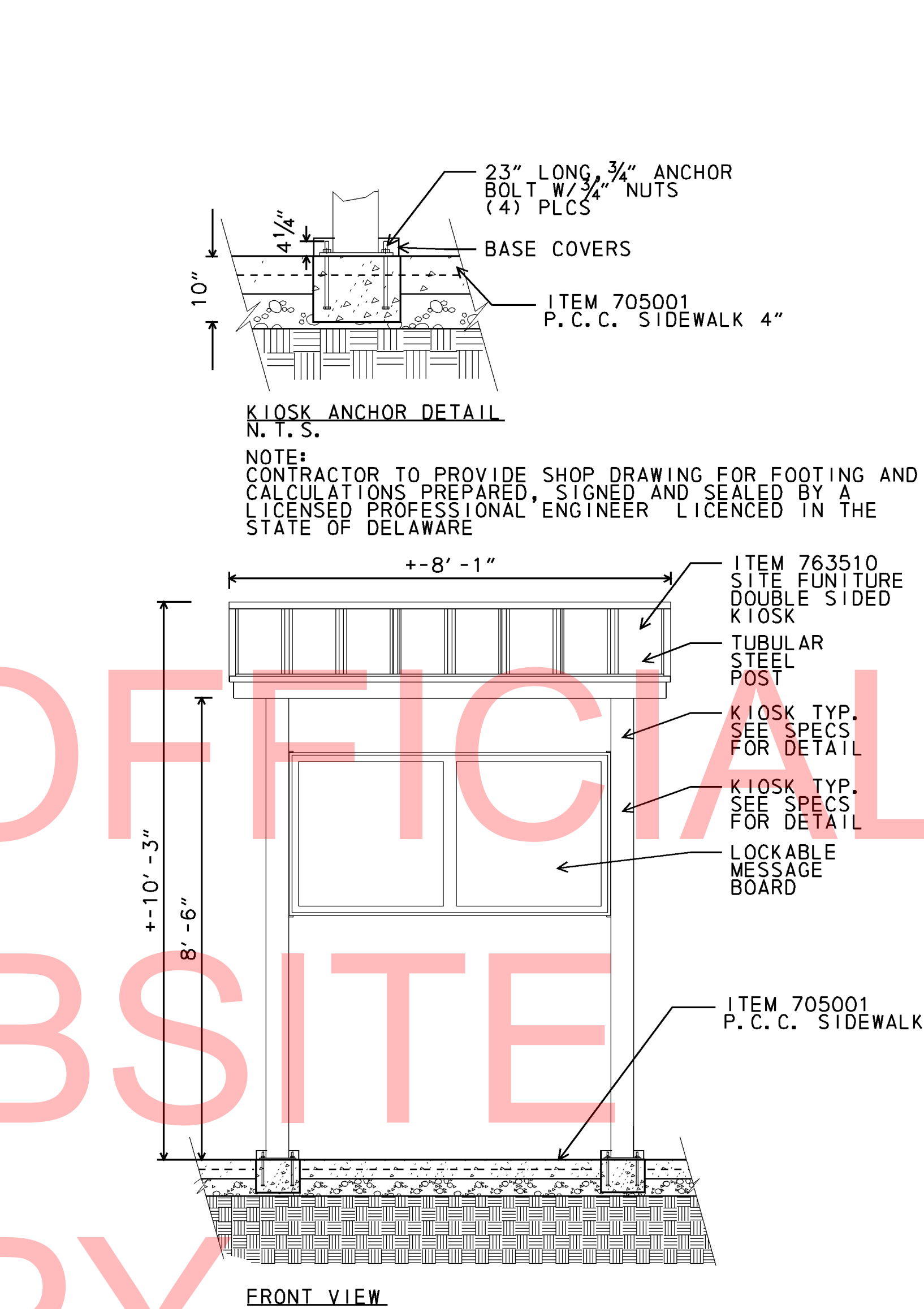
LSD03
SHEET NO.
147
TOTAL SHTS.
282



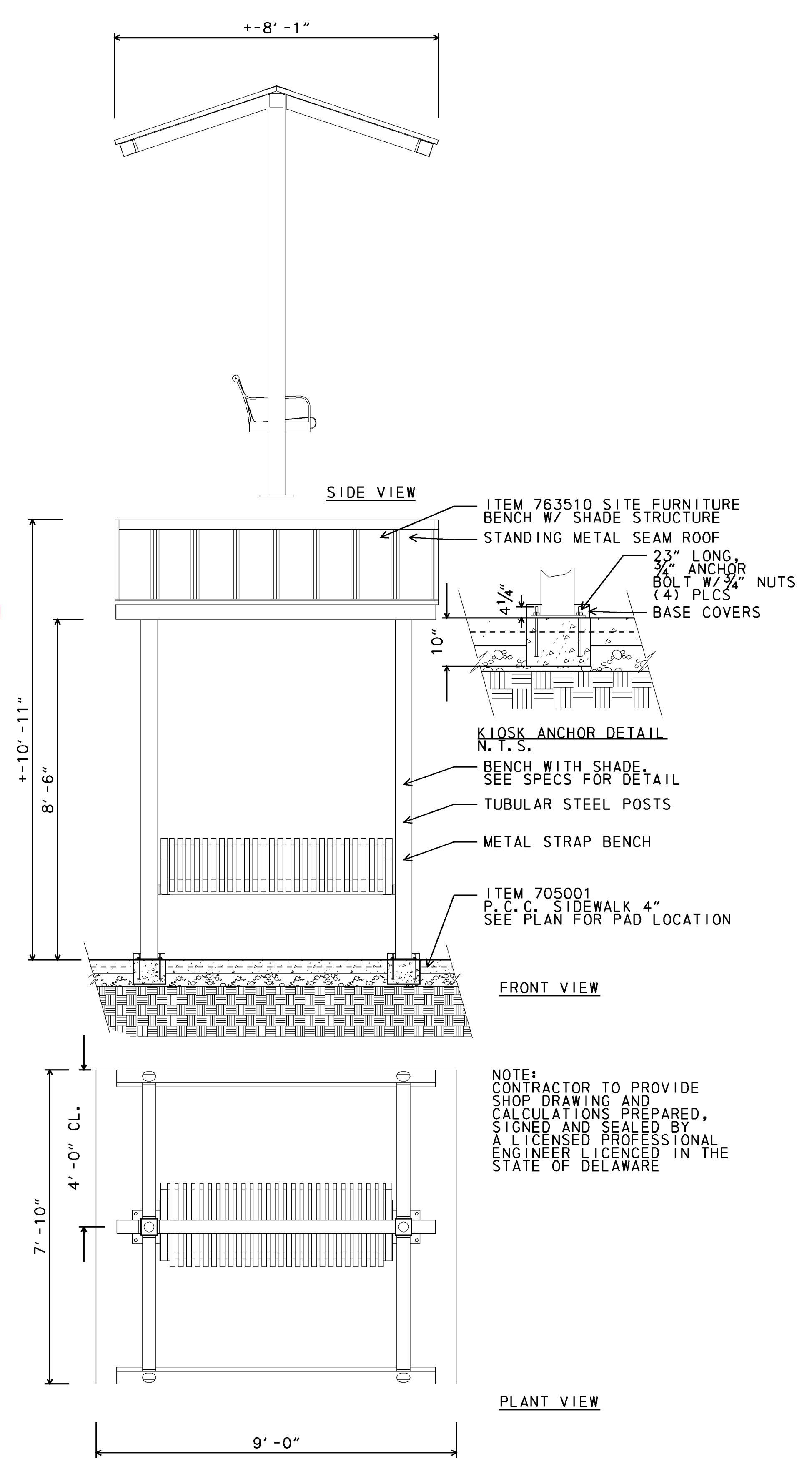
1 BENCH TYPE A - METAL STRAP BENCH WITH BACK
LSD04 SCALE 1"= 1'



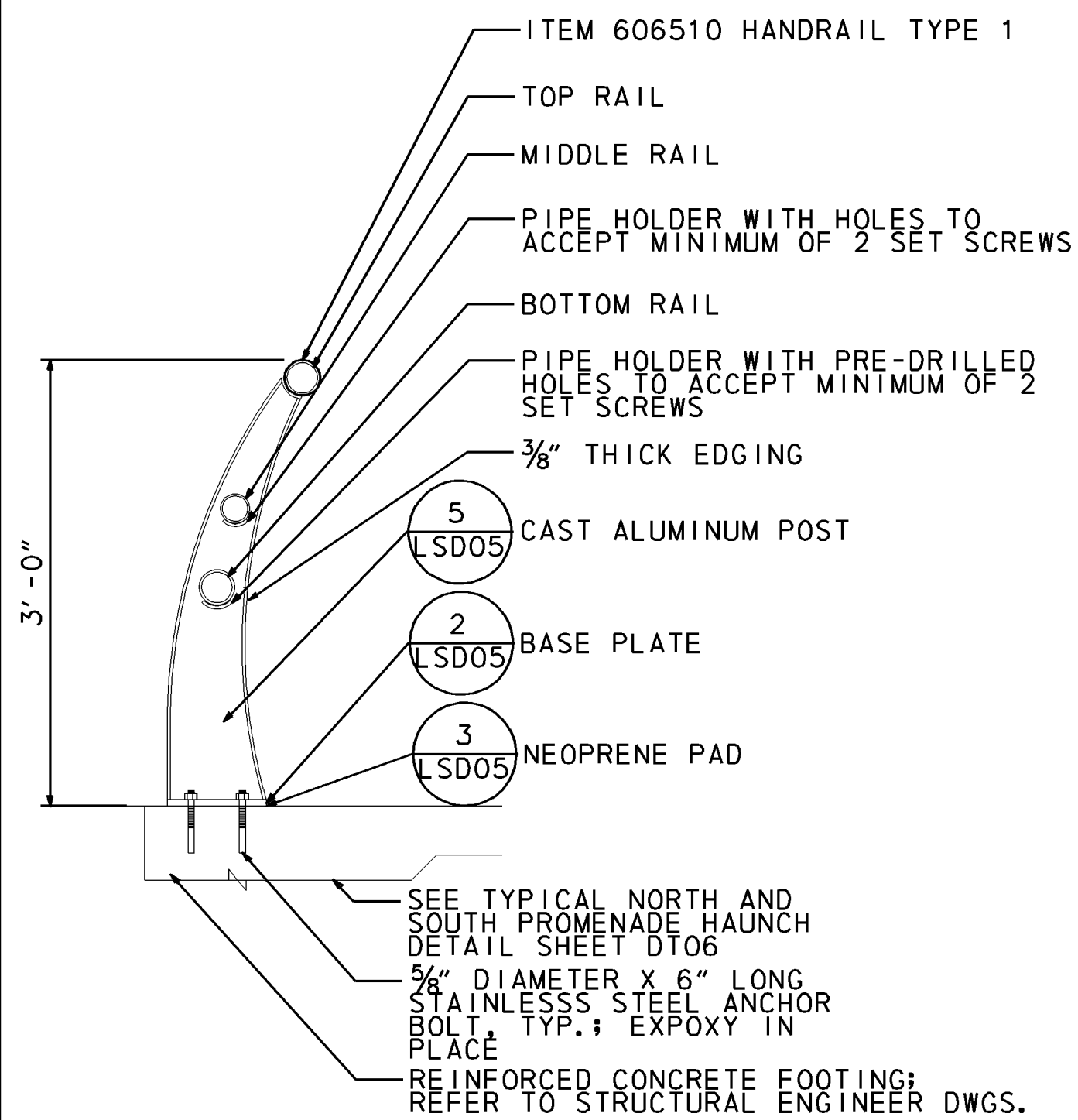
2 BENCH TYPE B - BACKLESS METAL STRAP BENCH
LSD04 SCALE 1"= 1'



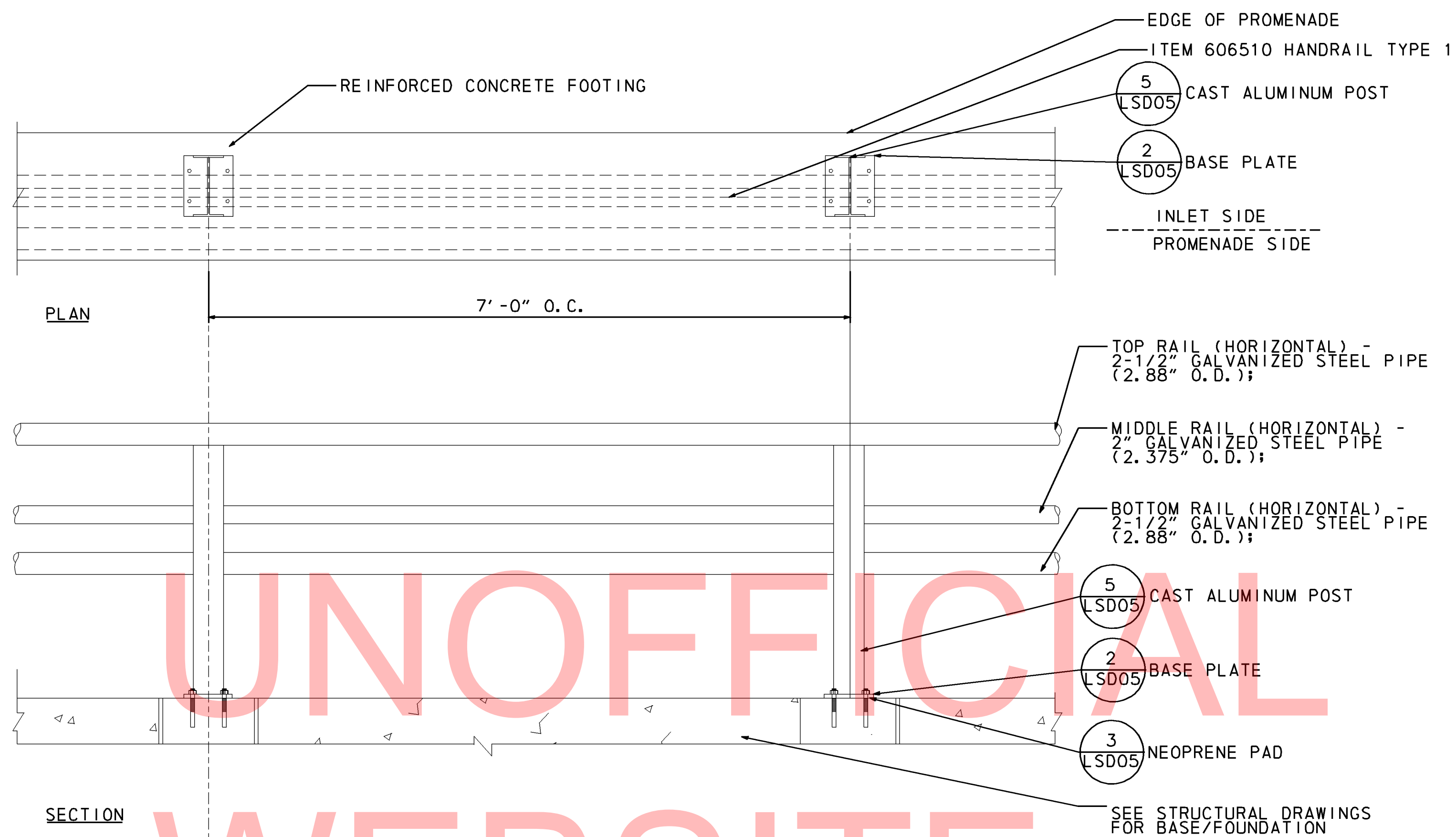
3 DOUBLE SIDED KIOSK
LSD04 SCALE 1 1/2"= 1'



4 BENCH TYPE C - BENCH WITH SHADE STRUCTURE
LSD04 SCALE 1 1/2"= 1'

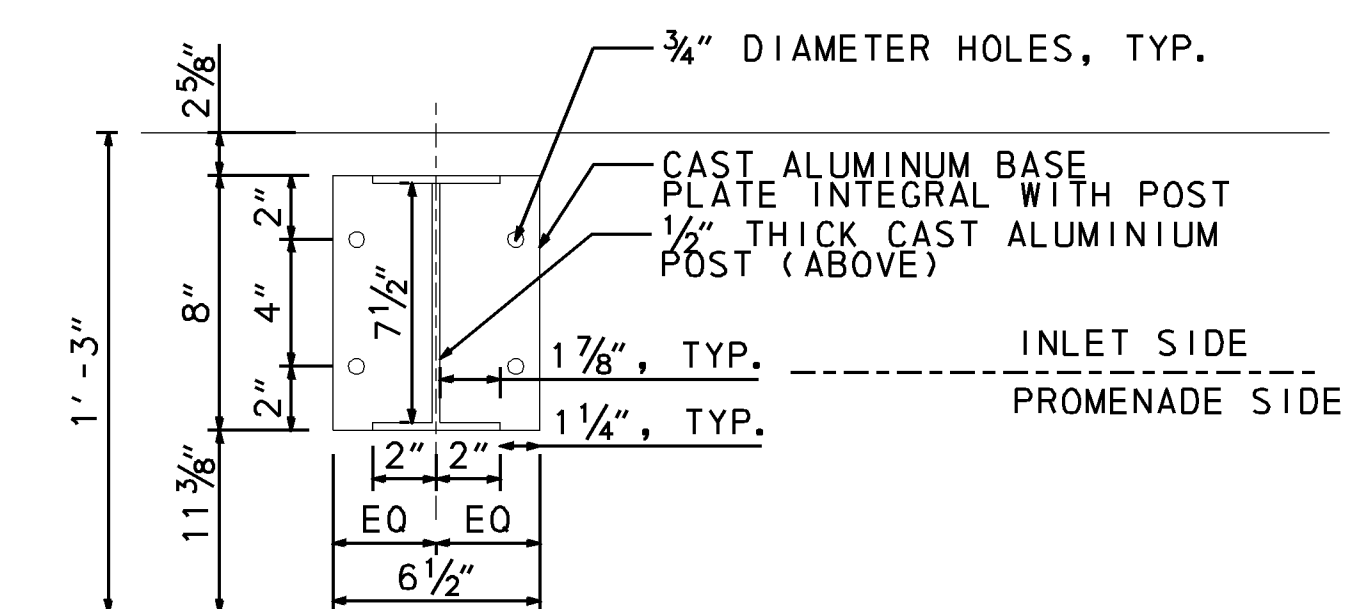


1 RAILING PLAN AND ELEVATION
LSD05 SCALE 1" = 1'

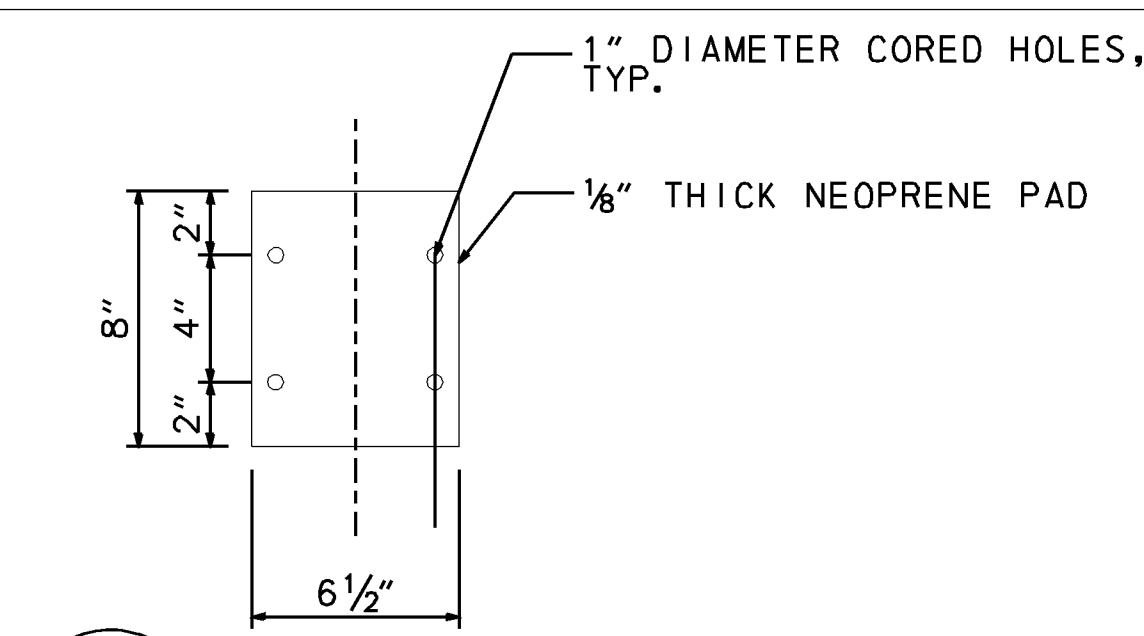


5 RAILING POST
LSD05 SCALE 1/2" = 1'

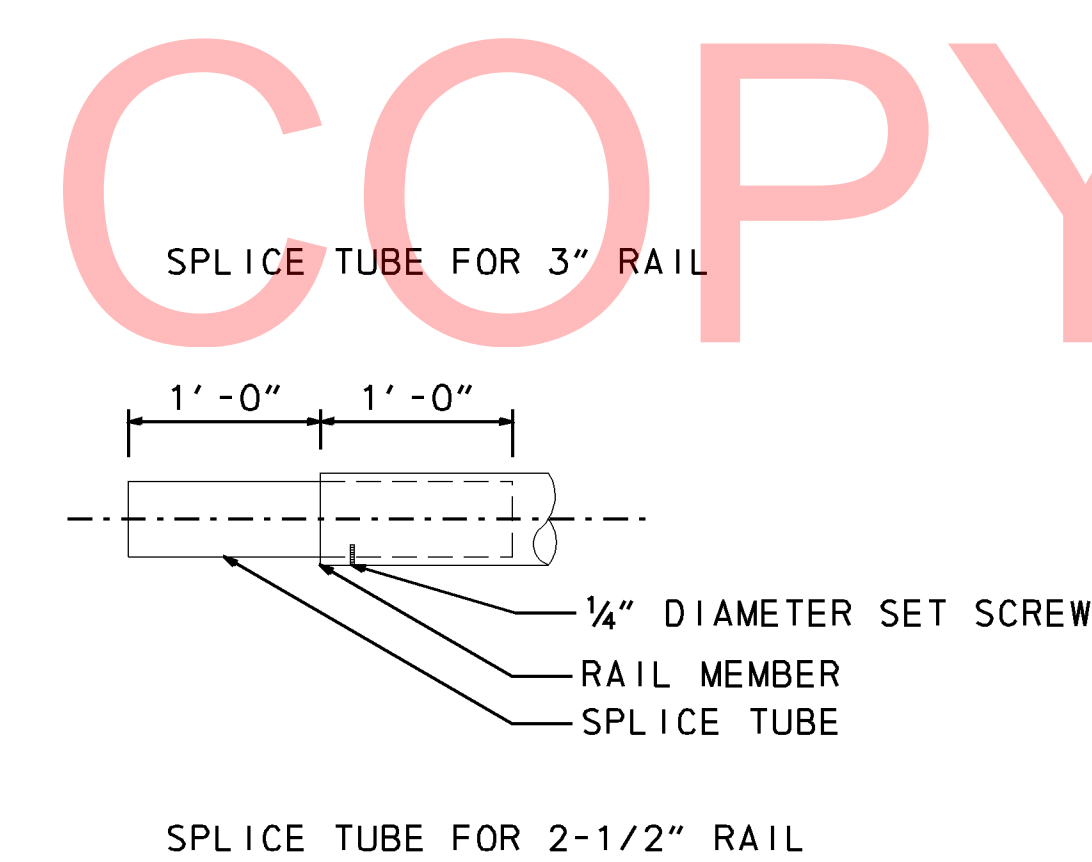
- GENERAL NOTES:
1. ALL POSTS SHALL BE CAST ALUMINUM, ALLOY A-356 TO CONFORM TO ASTM B117.
 2. MATERIAL FOR RAILS AND SPLICE SHALL BE ASTM-325, HOT-DIPPED GALVANIZED STEEL.
 3. ALL HARDWARE AND FASTENERS (I.E., MACHINE SCREWS, ANCHOR BOLTS, ETC.), SHALL BE ASTM-325, HOT DIPPED GALVANIZED STEEL.
 4. ALL REINFORCED CONCRETE FOOTINGS SHALL REFER TO STRUCTURAL ENGINEERING DRAWINGS.
 5. ALL RAIL END SHALL BE CAPPED AT ENDS.
 6. ALL RAILS SHALL BE REVIEWED BY STRUCTURAL ENGINEER.
 7. ALL RAILS SHALL BE POWDERCOATED IN COLOR SILVER.
 8. SPLICE JOINTS OF HORIZONTAL RAILS SHALL ALWAYS ALIGN WITH CENTERLINE OF POSTS; JOINTS ON HORIZONTAL RAILS SHALL NOT BE VISIBLE.



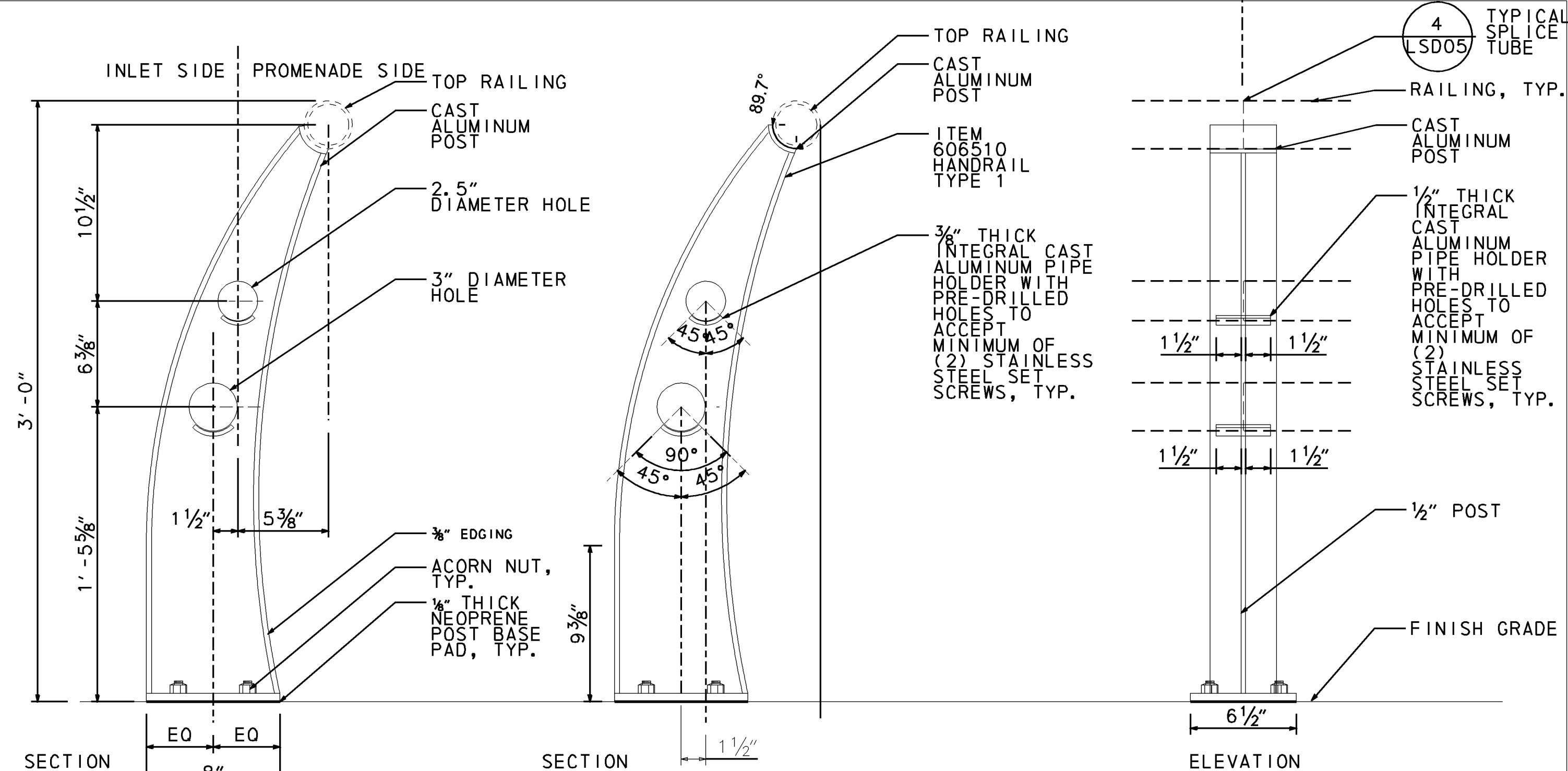
2 INTEGRAL POST BASE PLATE
LSD05 SCALE 1/2" = 1'

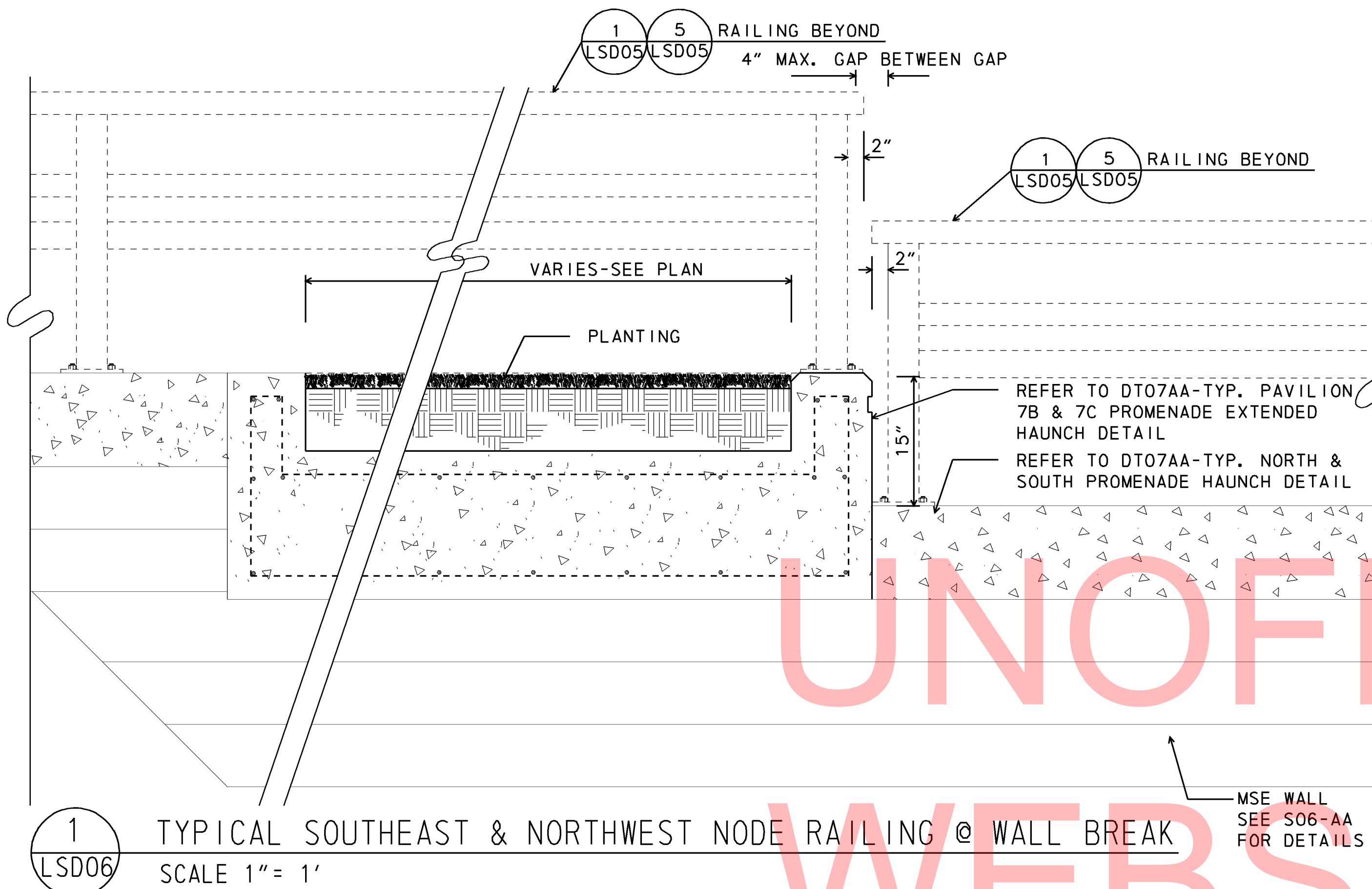


3 NEOPRENE PAD FOR POST BASE
LSD05 SCALE 1/2" = 1'



4 SPLICE TUBE
LSD05 SCALE 1/2" = 1'



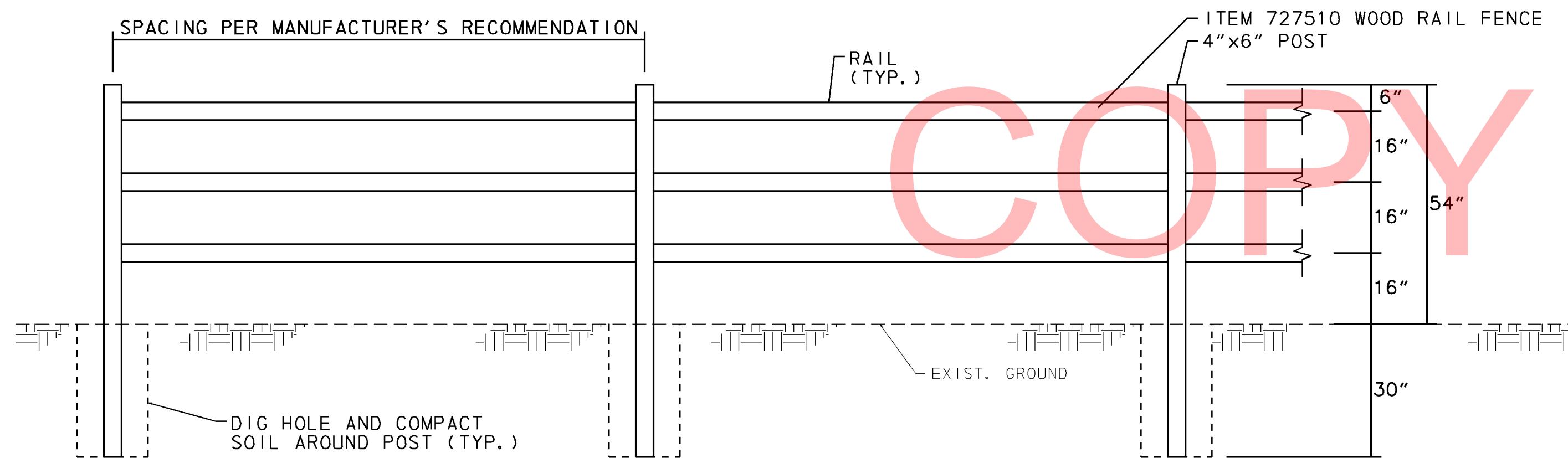


1
LSD06

TYPICAL SOUTHEAST & NORTHWEST NODE RAILING @ WALL BREAK

SCALE 1" = 1'

MSE WALL
SEE S06-AA
FOR DETAILS



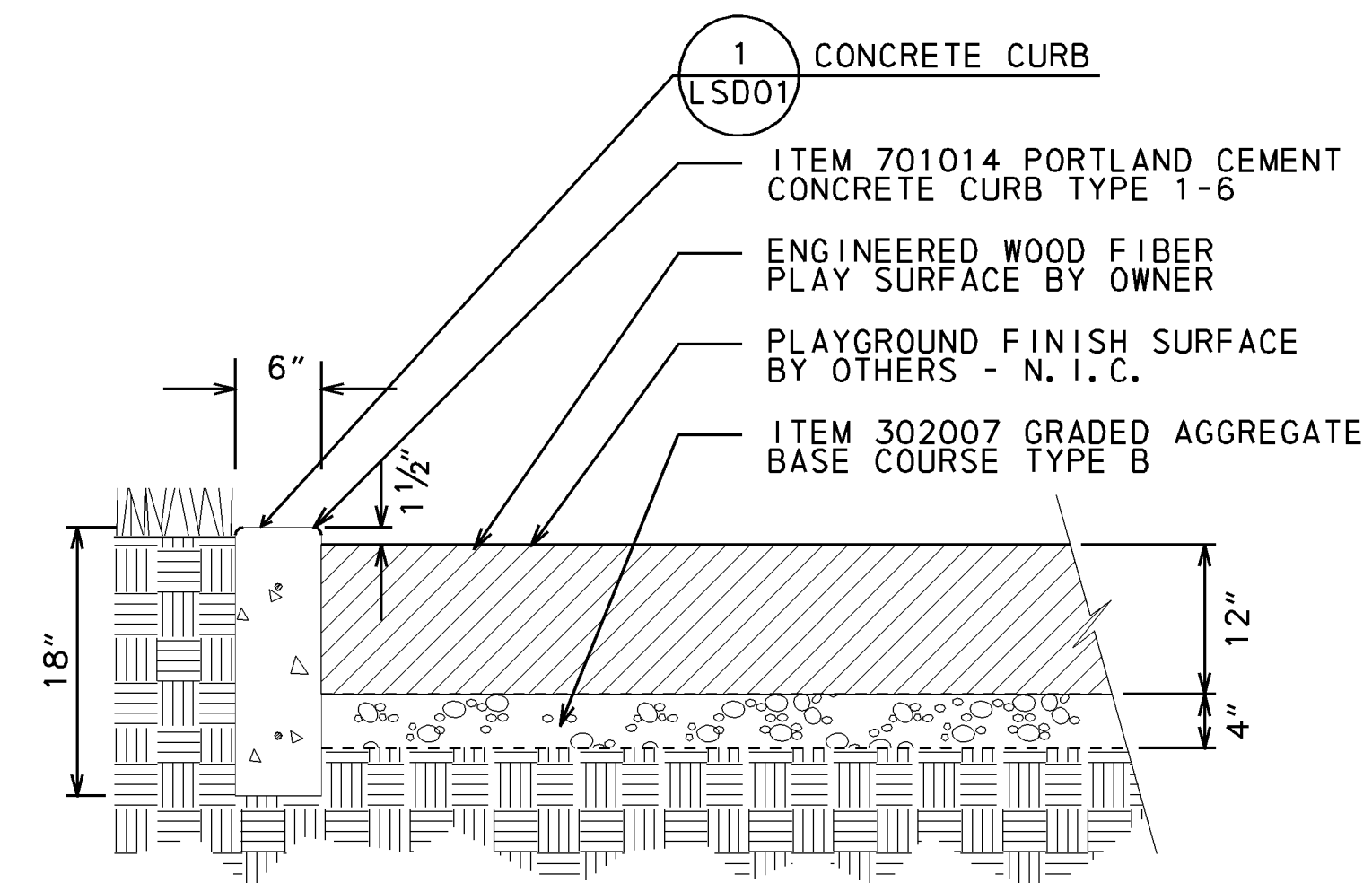
SPLIT RAIL FENCE NOTES:

1. SPLIT RAIL FENCE SHALL BE A 3 RAIL SYSTEM.
2. ALL WOOD SHALL BE PRESSURE TREATED WOOD WITH ACO TREATMENT:
 - POST SHALL HAVE A MINIMUM RETENTION OF 0.40 PCF
 - RAIL SHALL HAVE A MINIMUM RETENTION OF 0.25 PCF
3. POST DIMENSIONS SHALL BE APPROXIMATELY 4"x6"x84".
4. RAILS SHALL BE TRIANGULAR WITH AN AVERAGE GIRTH OF 12-13".
5. POSTS SHALL BE EMBEDDED 30". THE HOLE SHALL BE BACKFILLED WITH THE ORIGINAL SOIL AND FIRMLY COMPACTED AROUND THE POST.

2
LSD06

SPLIT-RAIL FENCE

N. T. S.



3
LSD06

PLAYGROUND CURB

1" = 1' - 0"

ADDENDUMS / REVISIONS

AS SHOWN

INDIAN RIVER INLET
PARK ENHANCEMENTS

CONTRACT
T200507303
COUNTY
SUSSEX

BRIDGE NO.

X

DESIGNED BY: RK&K

CHECKED BY: RK&K

LANDSCAPING DETAIL

LSD06

SHEET NO.

150

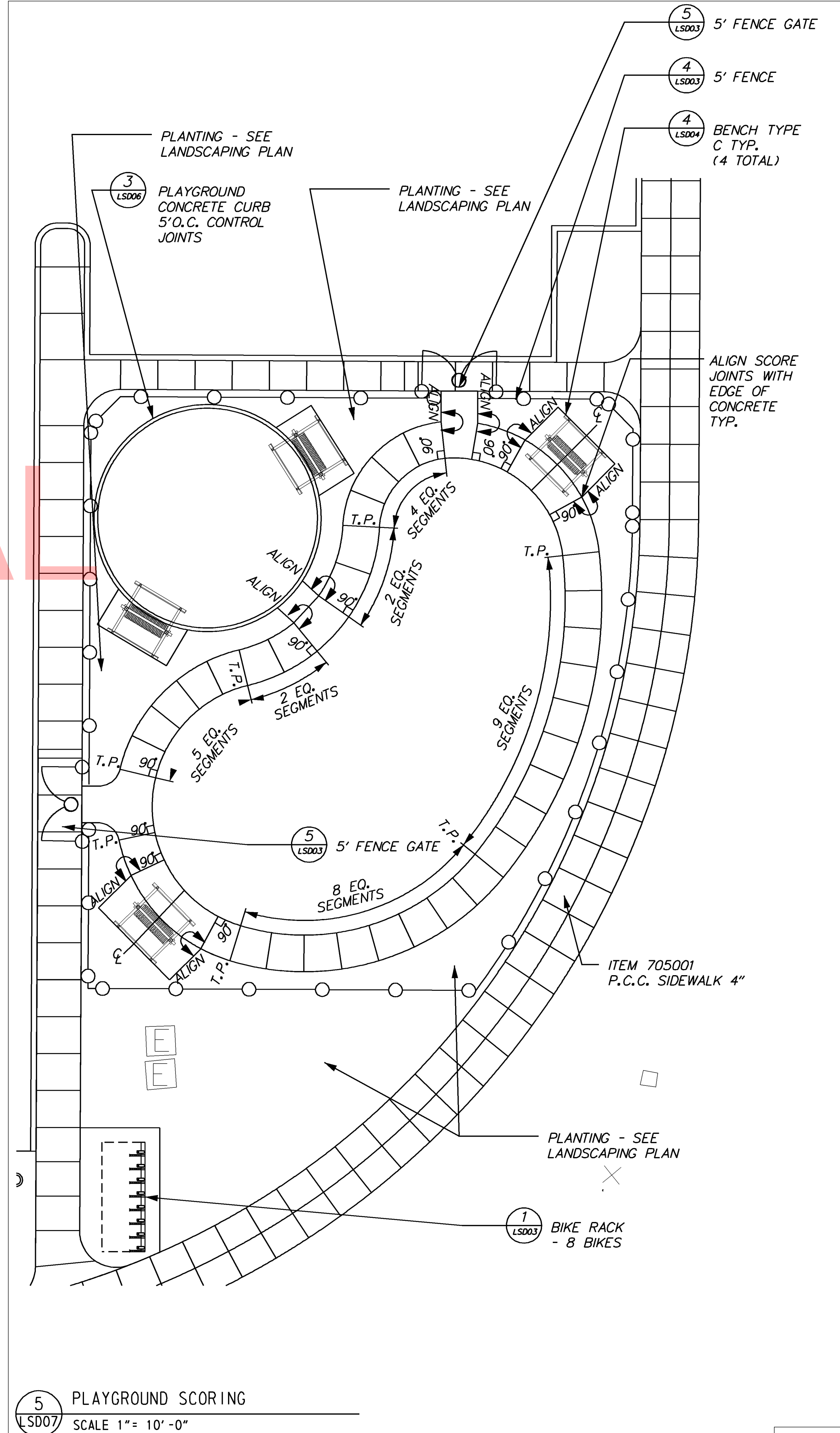
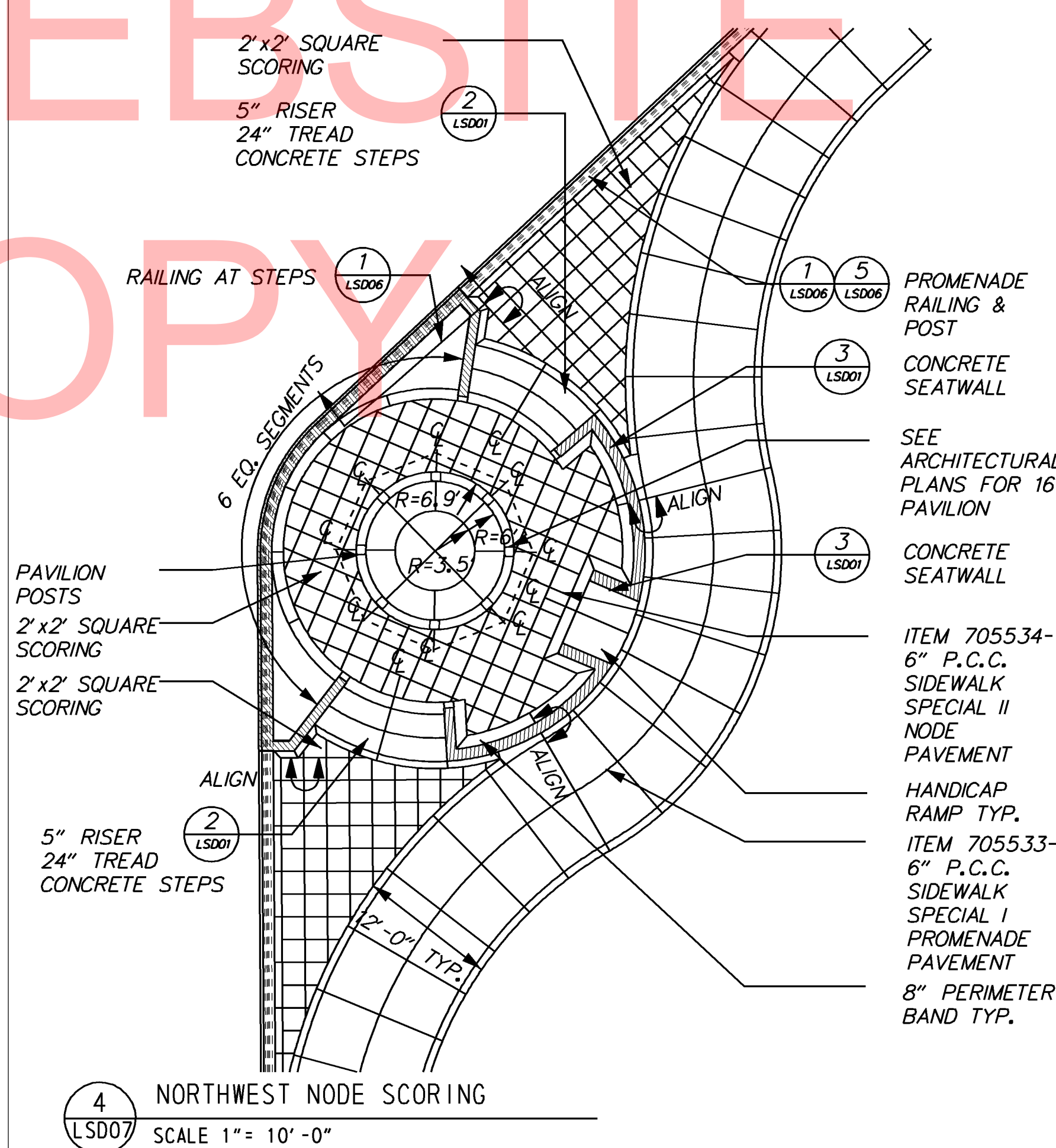
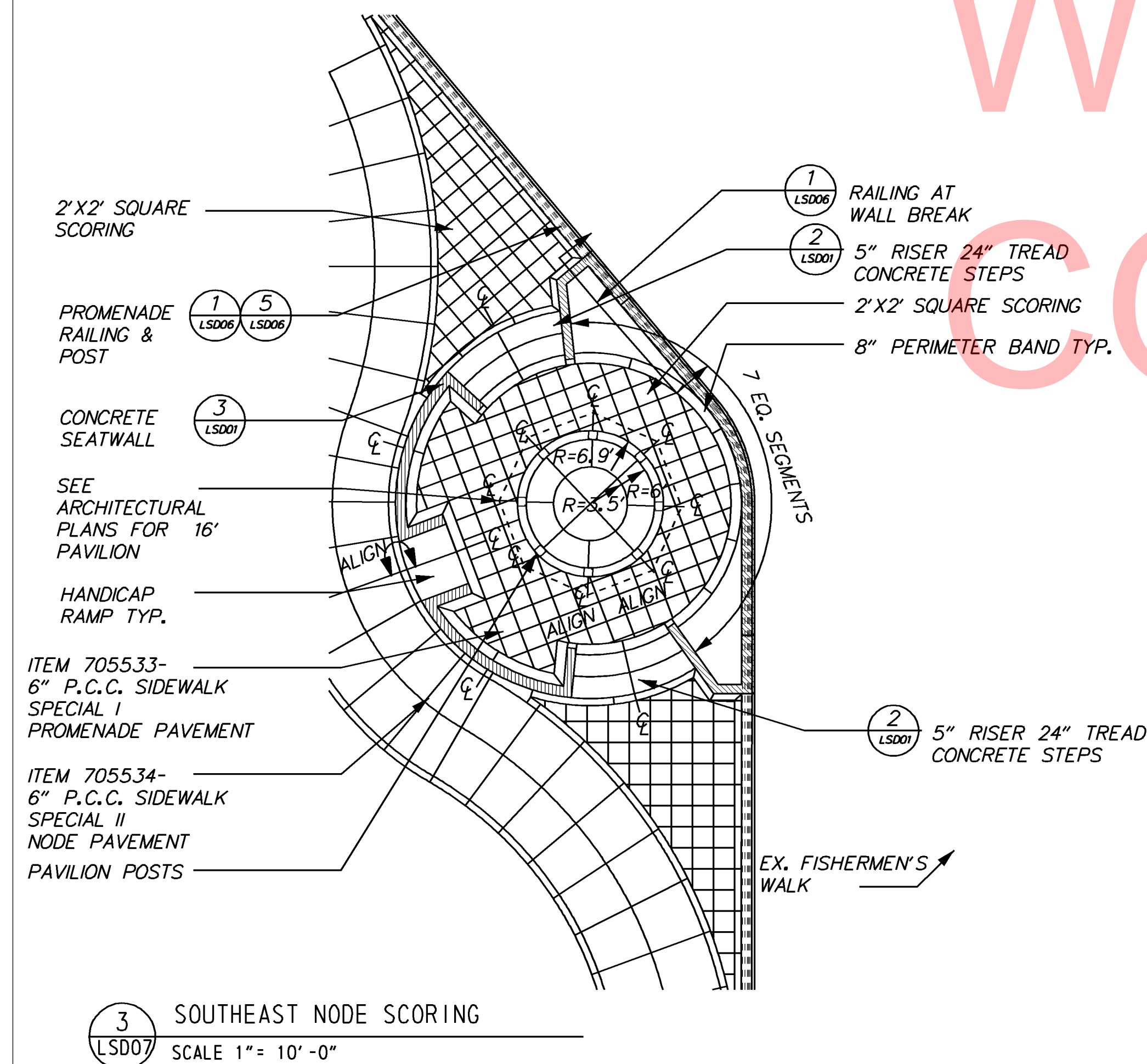
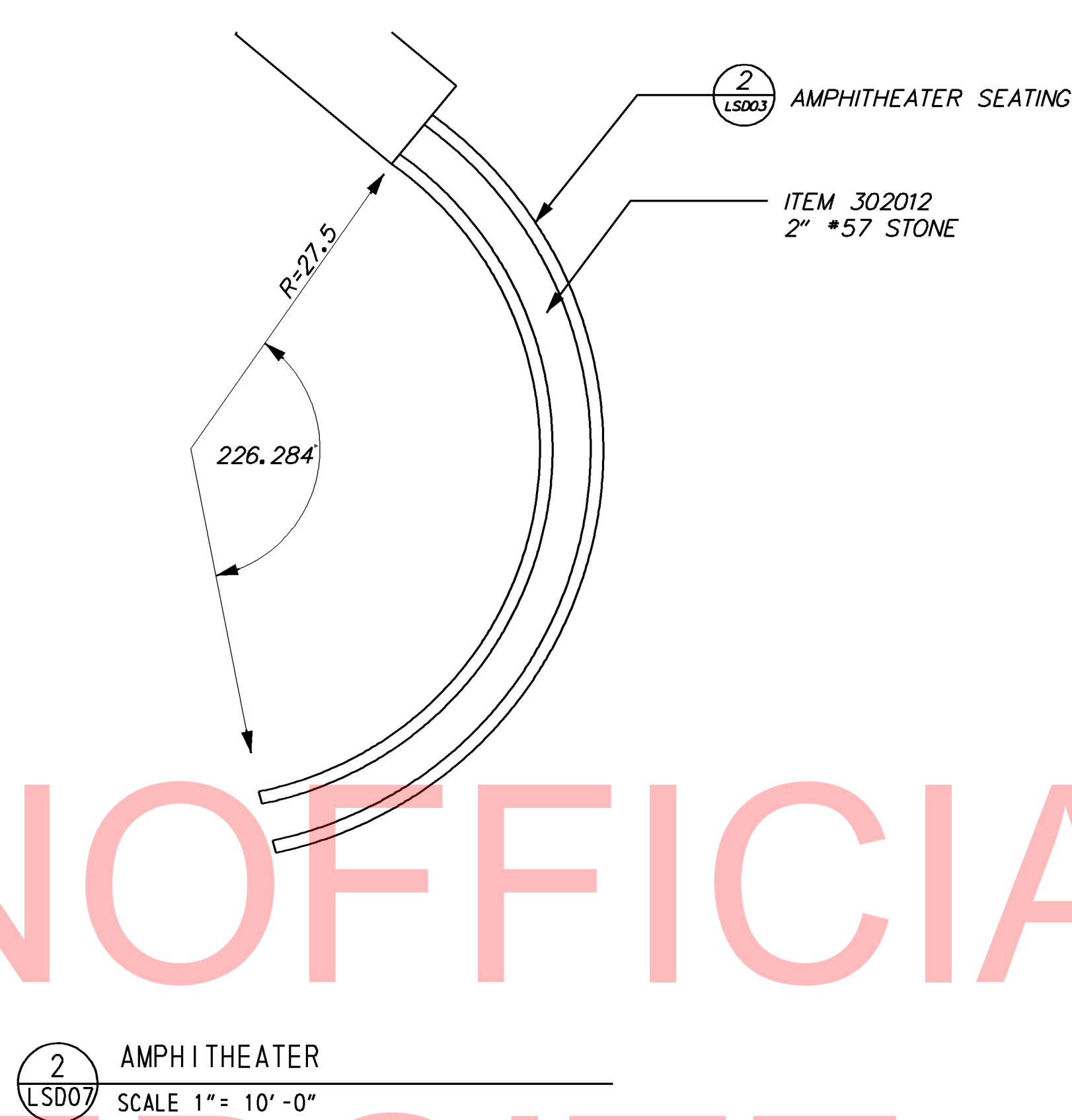
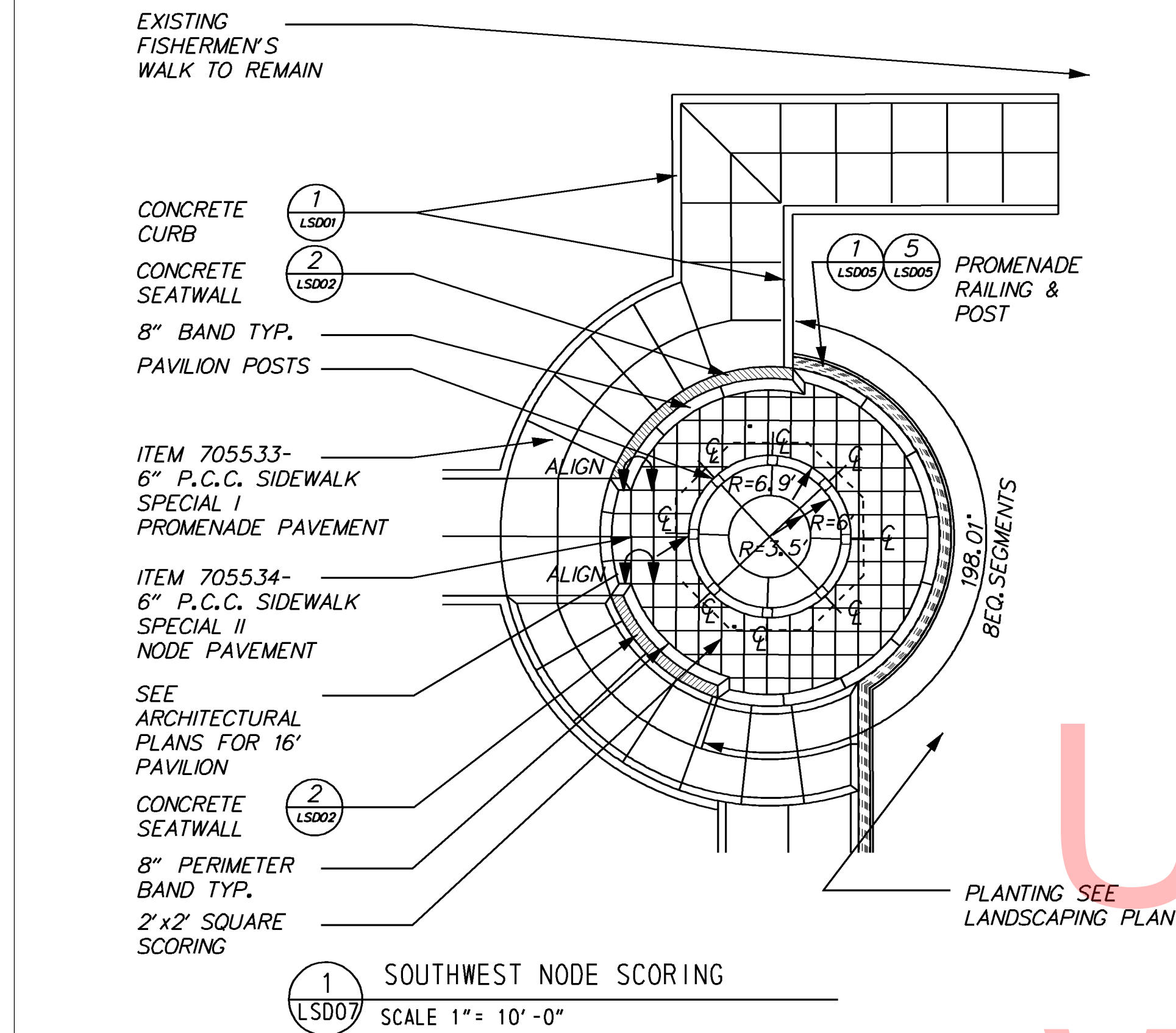
TOTAL SHTS.

282

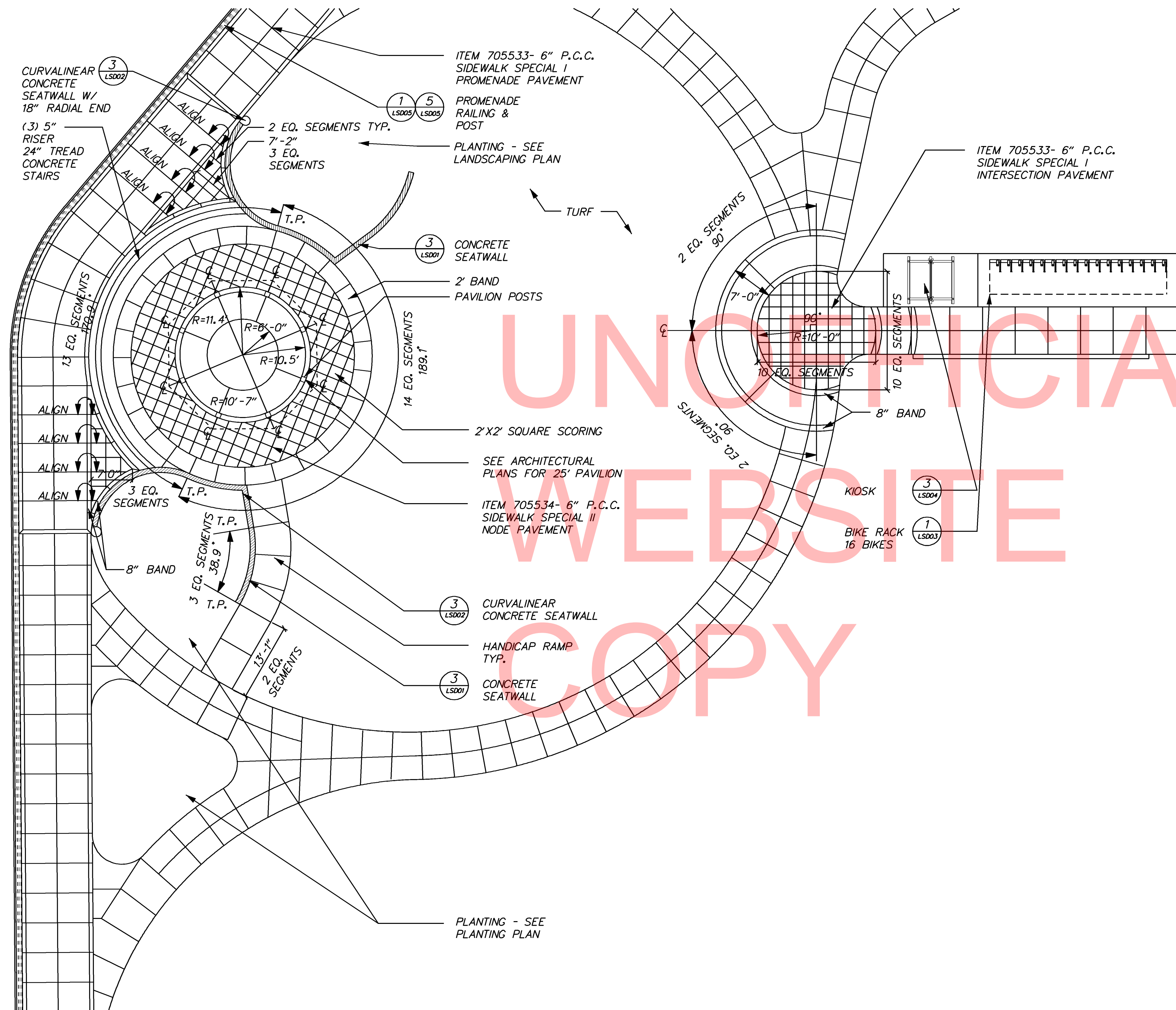


DELAWARE
DEPARTMENT OF TRANSPORTATION

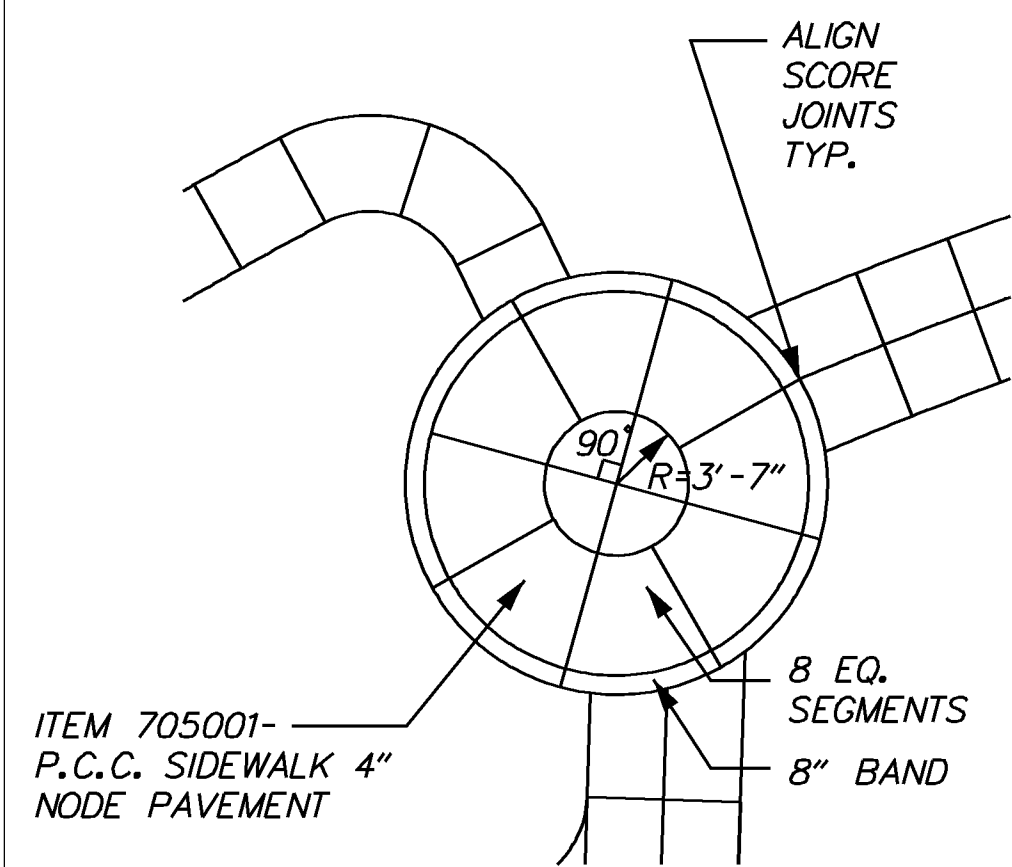
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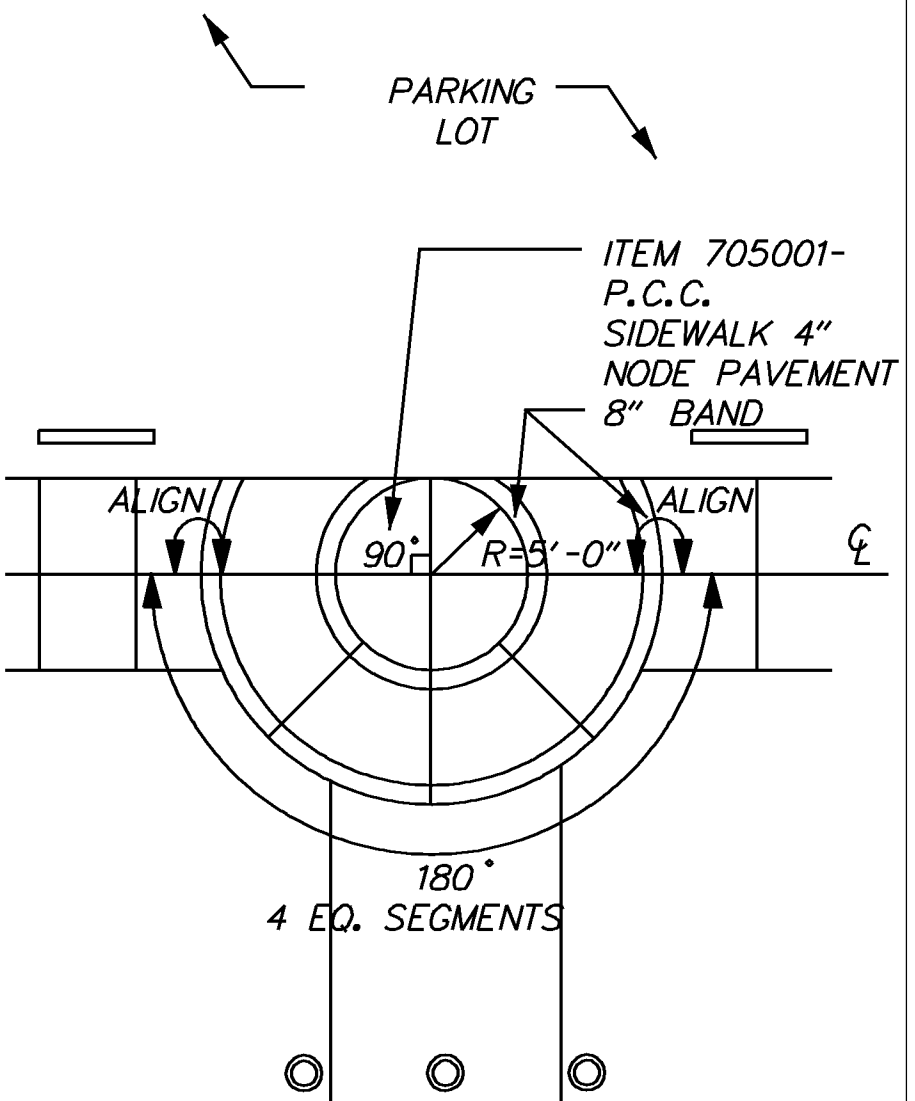
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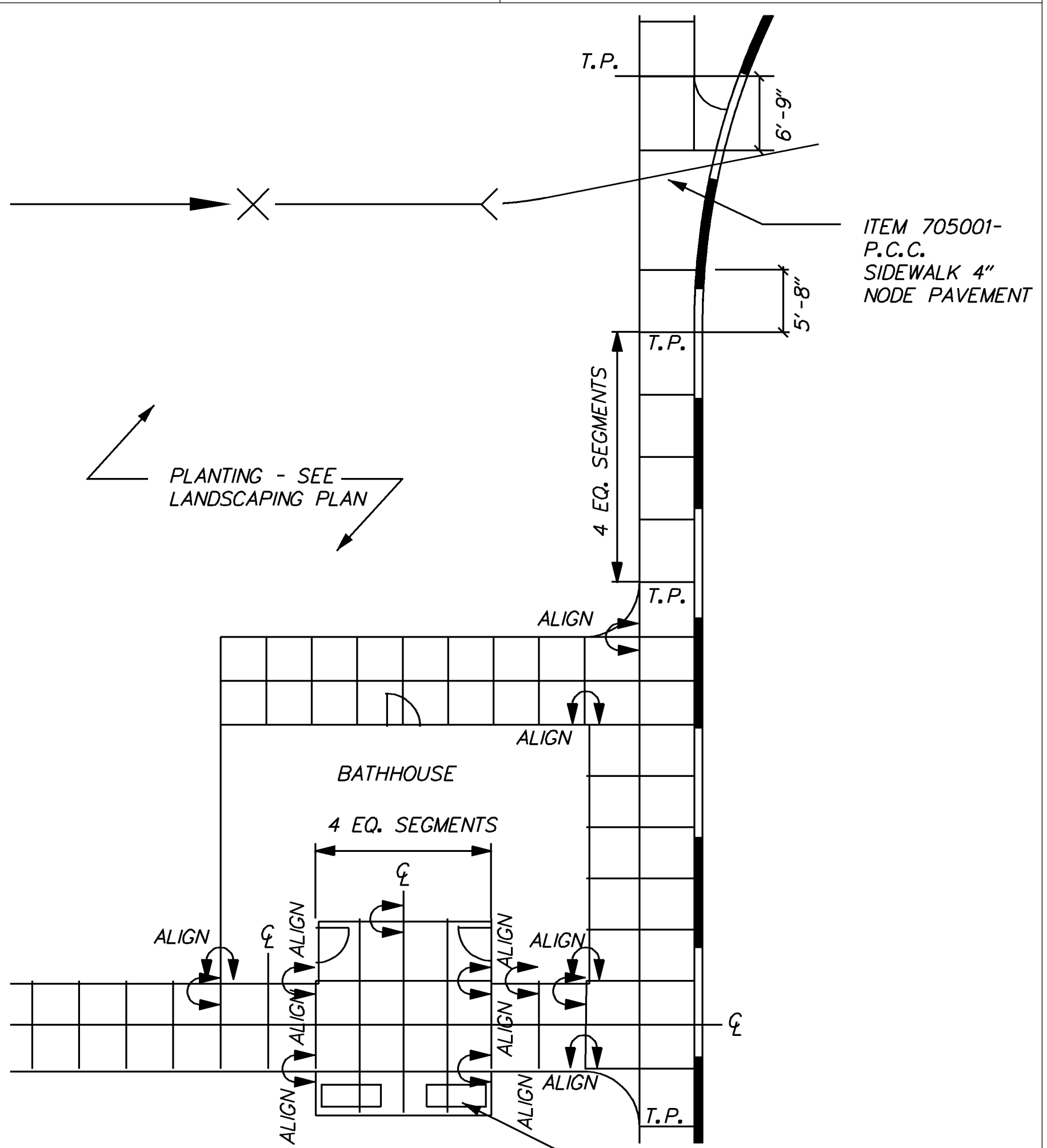
1 NORTHEAST NODE SCORING
LSD08 SCALE 1" = 10' - 0"



2 FISHERMEN'S NODE SCORING
LSD08 SCALE 1" = 10' - 0"



3 BEACH NODE SCORING
LSD08 SCALE 1" = 10' - 0"



4 NORTHEAST NODE BATHHOUSE SCORING
LSD08 SCALE 1" = 10' - 0"

1 BENCH TYPE B
LSD04



DELAWARE
DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

AS SHOWN

INDIAN RIVER INLET
PARK ENHANCEMENTS

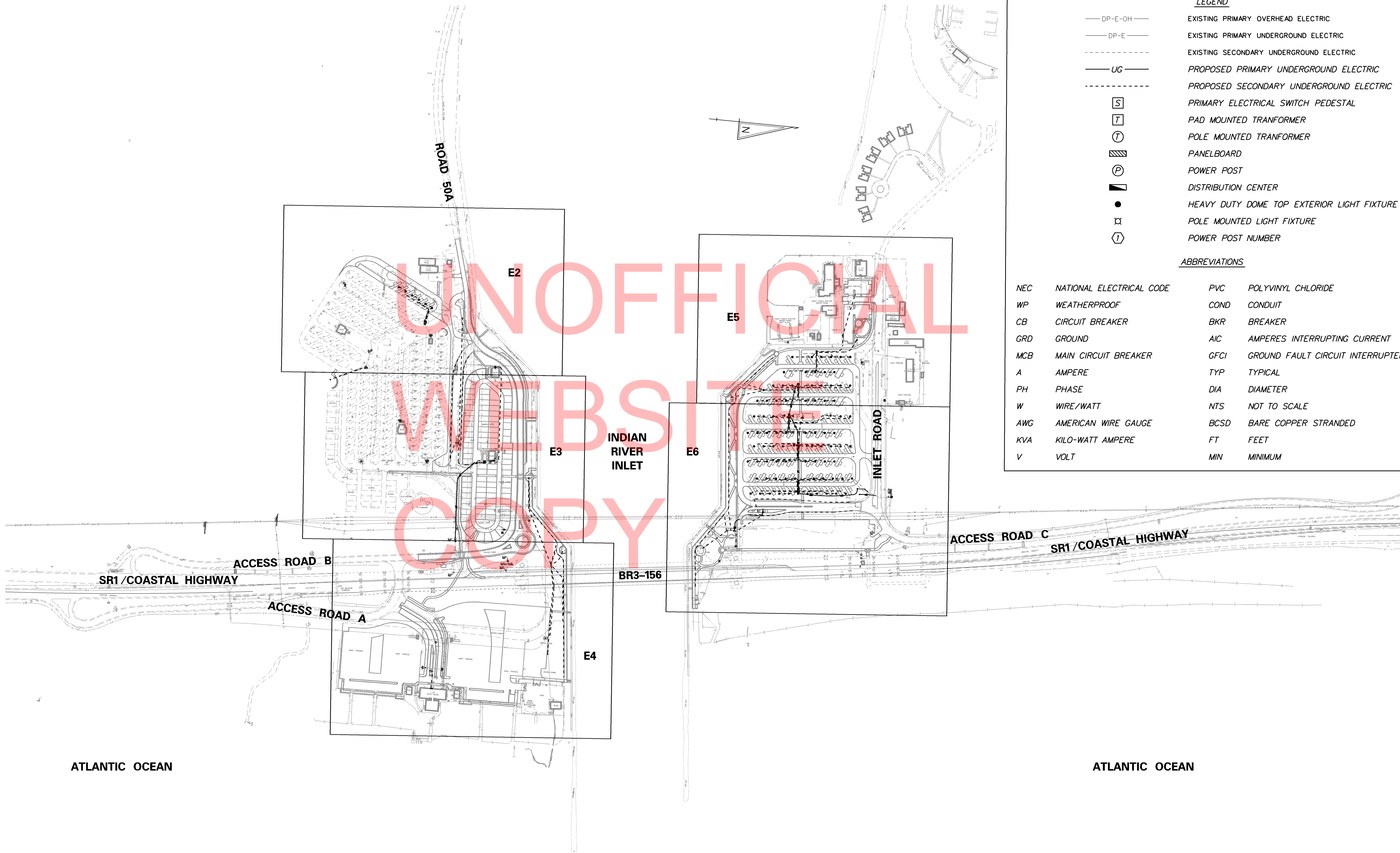
CONTRACT
T200507303
COUNTY
SUSSEX

BRIDGE NO.
X
DESIGNED BY: RK&K
CHECKED BY: RK&K

LANDSCAPE DETAIL

LSD08
SHEET NO.
152
TOTAL SHTS.
282

1/31/2013 1:14:04 PM
\\BALSRV02\2009\2009\09020_IRP\CADD\CONTRACTNUMBER\PLANS\CP_E1_IRP.DGN



UNOFFICIAL
WEBSITE
COPY

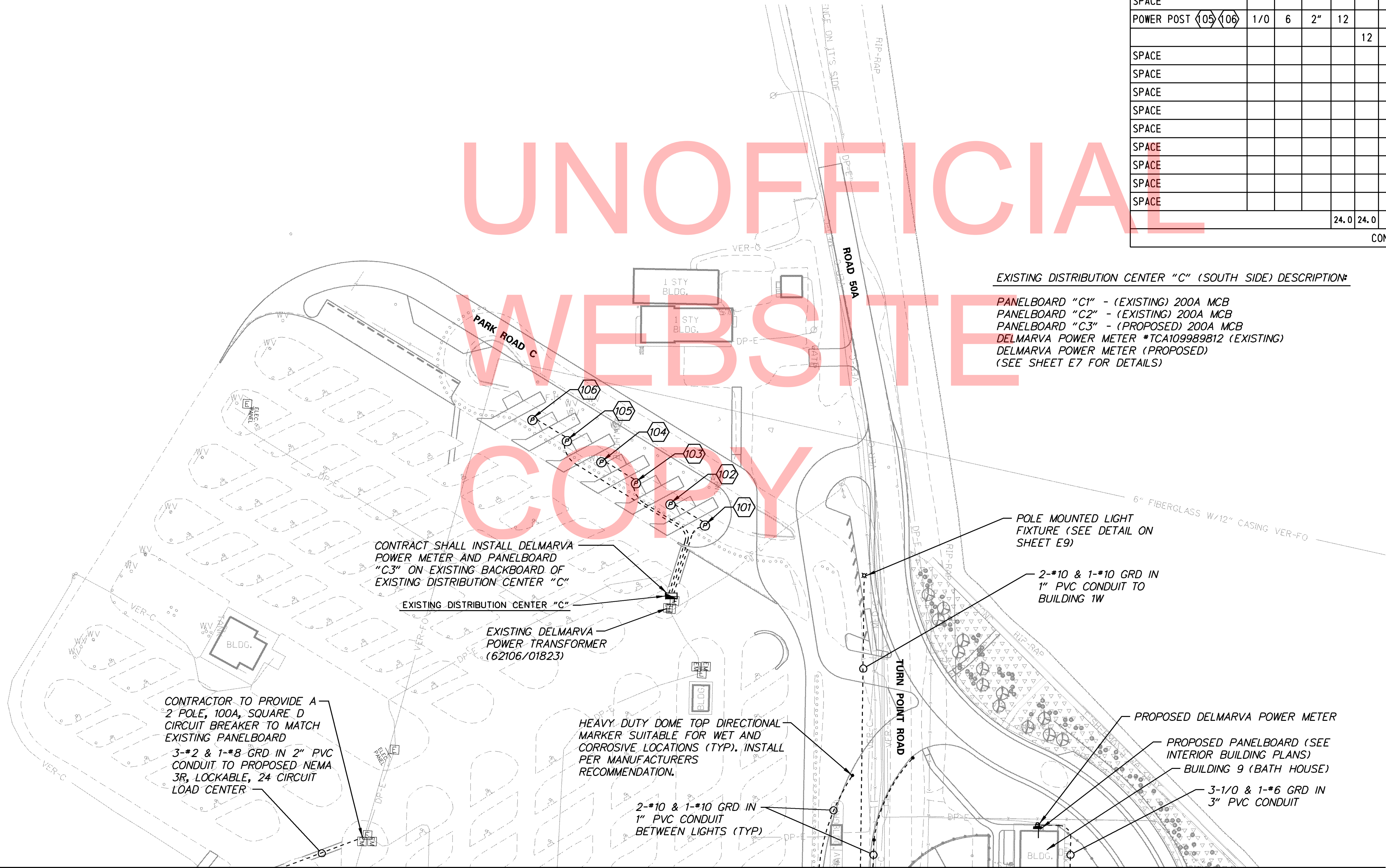
PANELBOARD "C3 " SCHEDULE																			
VOLTAGE: 120/240V, 1PH, 3W MAIN BUS BARS AND LUGS: 225A MAIN BREAKER: 200A										PANEL TYPE: SURFACE MOUNTED MIN. AIC RATING: 10,000 LOCATION: DISTRIBUTION CENTER "C" (SOUTH SIDE)									
LOADS SERVED	WIRE SIZE	GRD	COND	LOAD KVA		POLE	BKR TRIP	PHASE		BKR TRIP	POLE	LOAD KVA		COND	GRD	WIRE SIZE	LOADS SERVED		
				A	B			A	B			A	B						
POWER POST 101 102	1/0	6	2"	12		2	100	1	2	100	2	12		2"	6	1/0	POWER POST 103 104		
					12			3	4				12						
SPACE								5	6								SPACE		
SPACE								7	8								SPACE		
POWER POST 105 106	1/0	6	2"	12		2	100	9	10								SPACE		
					12			11	12								SPACE		
SPACE								13	14								SPACE		
SPACE								15	16								SPACE		
SPACE								17	18								SPACE		
SPACE								19	20								SPACE		
SPACE								21	22								SPACE		
SPACE								23	24								SPACE		
SPACE								25	26								SPACE		
SPACE								27	28								SPACE		
SPACE								29	30								SPACE		
				24.0	24.0							12	12				SPACE		
CONNECTED KVA:								144.00											

EXISTING DISTRIBUTION CENTER "C" (SOUTH SIDE) DESCRIPTION:

PANELBOARD "C1" - (EXISTING) 200A MCB
PANELBOARD "C2" - (EXISTING) 200A MCB
PANELBOARD "C3" - (PROPOSED) 200A MCB
DELMARVA POWER METER #TCA109989812 (EXISTING)
DELMARVA POWER METER (PROPOSED)
(SEE SHEET E7 FOR DETAILS)

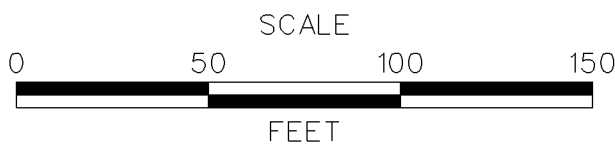
GENERAL SHEET NOTES:

1. BITUMINOUS CONCRETE PAVING-HOT MIX:WHEREVER EXISTING PAVED AREAS ARE DISTURBED TO INSTALL NEW WORK, THESE AREAS SHALL BE REPAIRED WITH NEW PAVING MATERIALS. THE QUALITY OF MATERIALS AND PERFORMANCE OF THE WORK SHALL BE IN STRICT CONFORMANCE WITH THE LATEST EDITION OF DELAWARE DEPT. OF TRANSPORTATION STANDARD SPECIFICATION, SECTION 400-BITUMINOUS PAVEMENTS AND SECTION 762-SAW CUTTING.
2. DISTRIBUTE LIGHTING CIRCUITS IN AN ALTERNATING PATTERN AND BALANCE ALL LOADS.
3. THE POWER COMPANY WILL SIZE, FURNISH AND INSTALL TRANSFORMERS. THE CONTRACTOR SHALL INSTALL ALL TRANSFORMER PADS. TRANSFORMERS SHALL HAVE 10 FT CLEARANCE IN THE FRONT AND 3 FT CLEARANCE TO THE SIDES AND BACK. THE CONTRACTOR SHALL CONTACT THE POWER COMPANY 2 WEEKS IN ADVANCE FOR DELIVERY OF THE TRANSFORMER PADS. CONTACT: BILL MOORE, (302) 934-3388
4. CONTRACTOR SHALL PROVIDE LOOP FEED LUGS IN RV POWER POST AS REQUIRED.
5. ALL PANELBOARDS PROVIDED BY CONTRACTOR SHALL BE NEMA 3R, LOCKABLE TYPE, UNLESS OTHERWISE NOTED.
6. ALL CONDUITS SHALL BE DIRECT BURIED SCHEDULE 80 PVC, UNLESS OTHERWISE NOTED.
7. CONTRACTOR SHALL SUBMIT DETAILED CONDUIT ROUTING AND TRANSFORMER LOCATION PLANS FOR APPROVAL PRIOR TO INSTALLATION. ALL OPENINGS AND /OR PENETRATIONS PROPOSED IN EXISTING WALLS OR SLABS SHALL BE SHOWN IN DETAIL.
8. CONTRACTOR SHALL MAINTAIN SERVICE TO ALL EXISTING FACILITIES AT ALL TIMES, AND SHALL PROVIDE ALL NECESSARY EQUIPMENT, INCLUDING PORTABLE GENERATORS, TO DO SO.
9. SEE SPECIFICATIONS FOR LIGHTING CONTROL REQUIREMENTS.



MATCHLINE A-A

ADDENDUMS / REVISIONS



INDIAN RIVER INLET
PARK ENHANCEMENTS

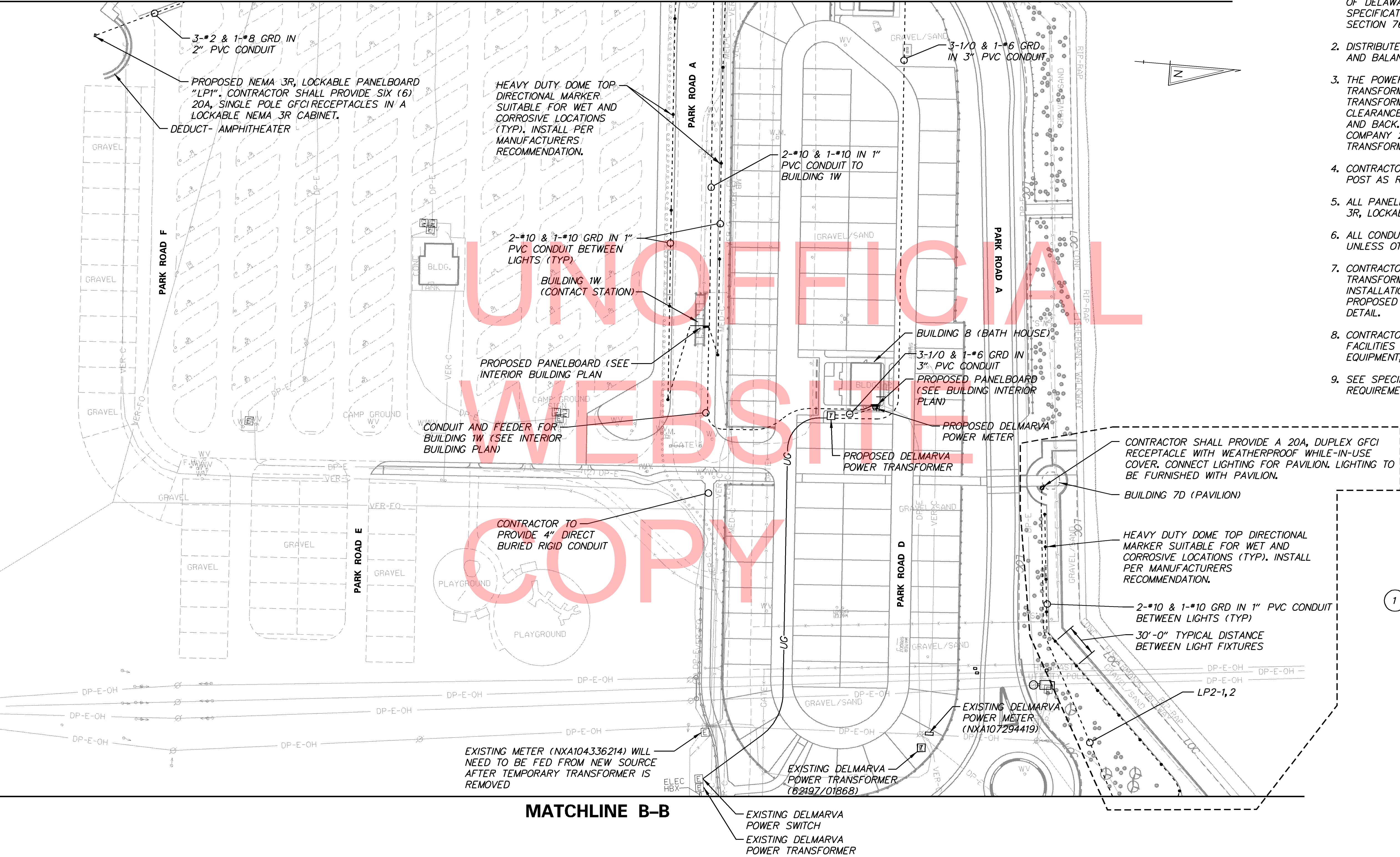
CONTRACT	BRIDGE NO.	X
T200507303	DESIGNED BY: RK&K	
COUNTY	CHECKED BY: RK&K	
SUSSEX		

ELECTRICAL SITE PLAN
(SOUTH SIDE)

E2
SHEET NO.
154
TOTAL SHTS.
282

DELAWARE
DEPARTMENT OF TRANSPORTATION

MATCHLINE A-A



GENERAL SHEET NOTES:

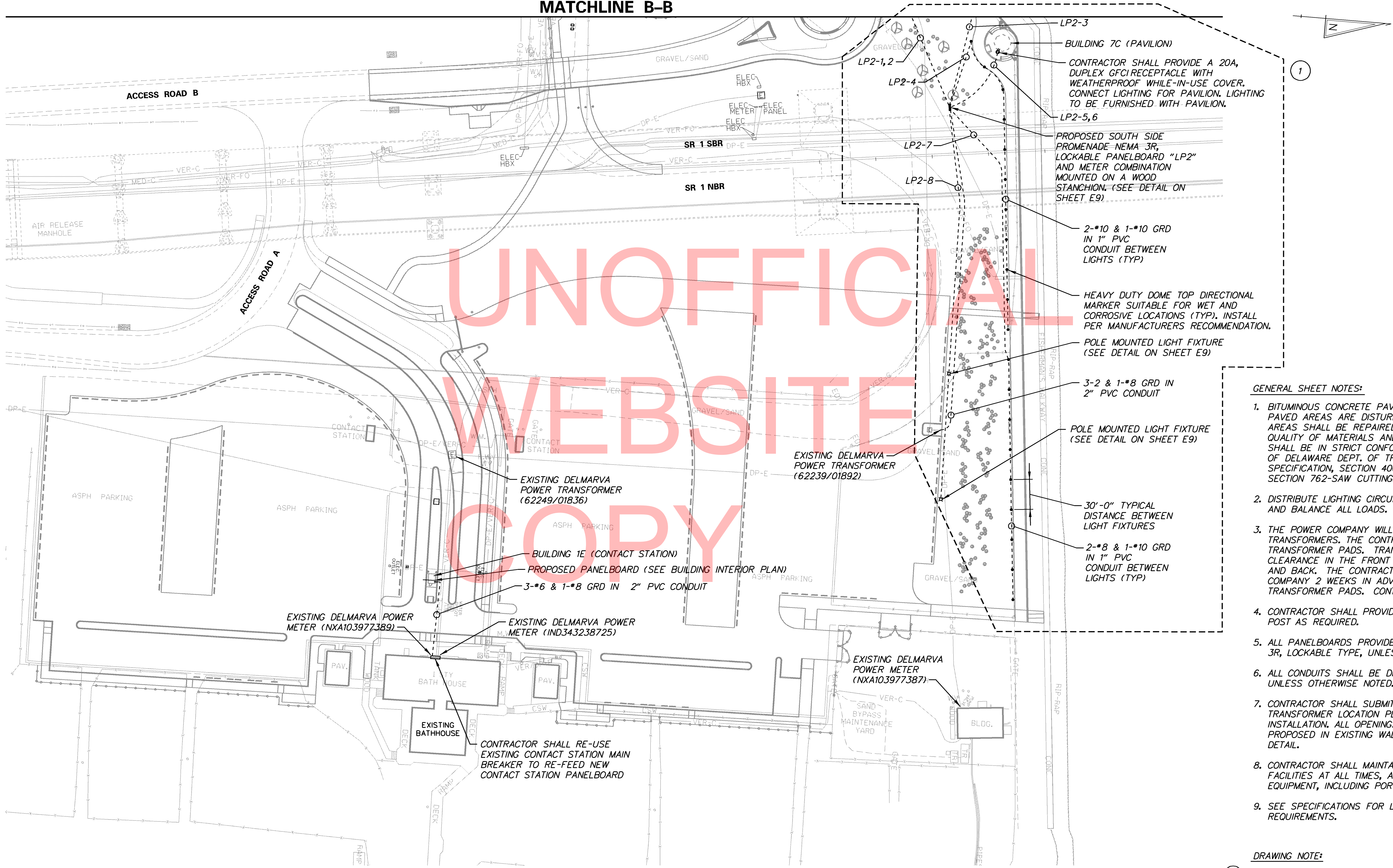
1. BITUMINOUS CONCRETE PAVING-HOT MIX: WHEREVER EXISTING PAVED AREAS ARE DISTURBED TO INSTALL NEW WORK, THESE AREAS SHALL BE REPAIRED WITH NEW PAVING MATERIALS. THE QUALITY OF MATERIALS AND PERFORMANCE OF THE WORK SHALL BE IN STRICT CONFORMANCE WITH THE LATEST EDITION OF DELAWARE DEPT. OF TRANSPORTATION STANDARD SPECIFICATION, SECTION 400-BITUMINOUS PAVEMENTS AND SECTION 762-SAW CUTTING.
2. DISTRIBUTE LIGHTING CIRCUITS IN AN ALTERNATING PATTERN AND BALANCE ALL LOADS.
3. THE POWER COMPANY WILL SIZE, FURNISH AND INSTALL TRANSFORMERS. THE CONTRACTOR SHALL INSTALL ALL TRANSFORMER PADS. TRANSFORMERS SHALL HAVE 10 FT CLEARANCE IN THE FRONT AND 3 FT CLEARANCE TO THE SIDES AND BACK. THE CONTRACTOR SHALL CONTACT THE POWER COMPANY 2 WEEKS IN ADVANCE FOR DELIVERY OF THE TRANSFORMER PADS. CONTACT: BILL MOORE, (302) 934-3388
4. CONTRACTOR SHALL PROVIDE LOOP FEED LUGS IN RV POWER POST AS REQUIRED.
5. ALL PANELBOARDS PROVIDED BY CONTRACTOR SHALL BE NEMA 3R, LOCKABLE TYPE, UNLESS OTHERWISE NOTED.
6. ALL CONDUITS SHALL BE DIRECT BURIED SCHEDULE 80 PVC, UNLESS OTHERWISE NOTED.
7. CONTRACTOR SHALL SUBMIT DETAILED CONDUIT ROUTING AND TRANSFORMER LOCATION PLANS FOR APPROVAL PRIOR TO INSTALLATION. ALL OPENINGS AND /OR PENETRATIONS PROPOSED IN EXISTING WALLS OR SLABS SHALL BE SHOWN IN DETAIL.
8. CONTRACTOR SHALL MAINTAIN SERVICE TO ALL EXISTING FACILITIES AT ALL TIMES, AND SHALL PROVIDE ALL NECESSARY EQUIPMENT, INCLUDING PORTABLE GENERATORS, TO DO SO.
9. SEE SPECIFICATIONS FOR LIGHTING CONTROL REQUIREMENTS.

DRAWING NOTE:

- 1 DASHED AREA IS AN ADD ALTERNATE. CONTRACTOR SHALL PROVIDE A SEPARATE BID FOR ELECTRICAL EQUIPMENT, MATERIAL AND INSTALLATION.

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MATCHLINE B-B



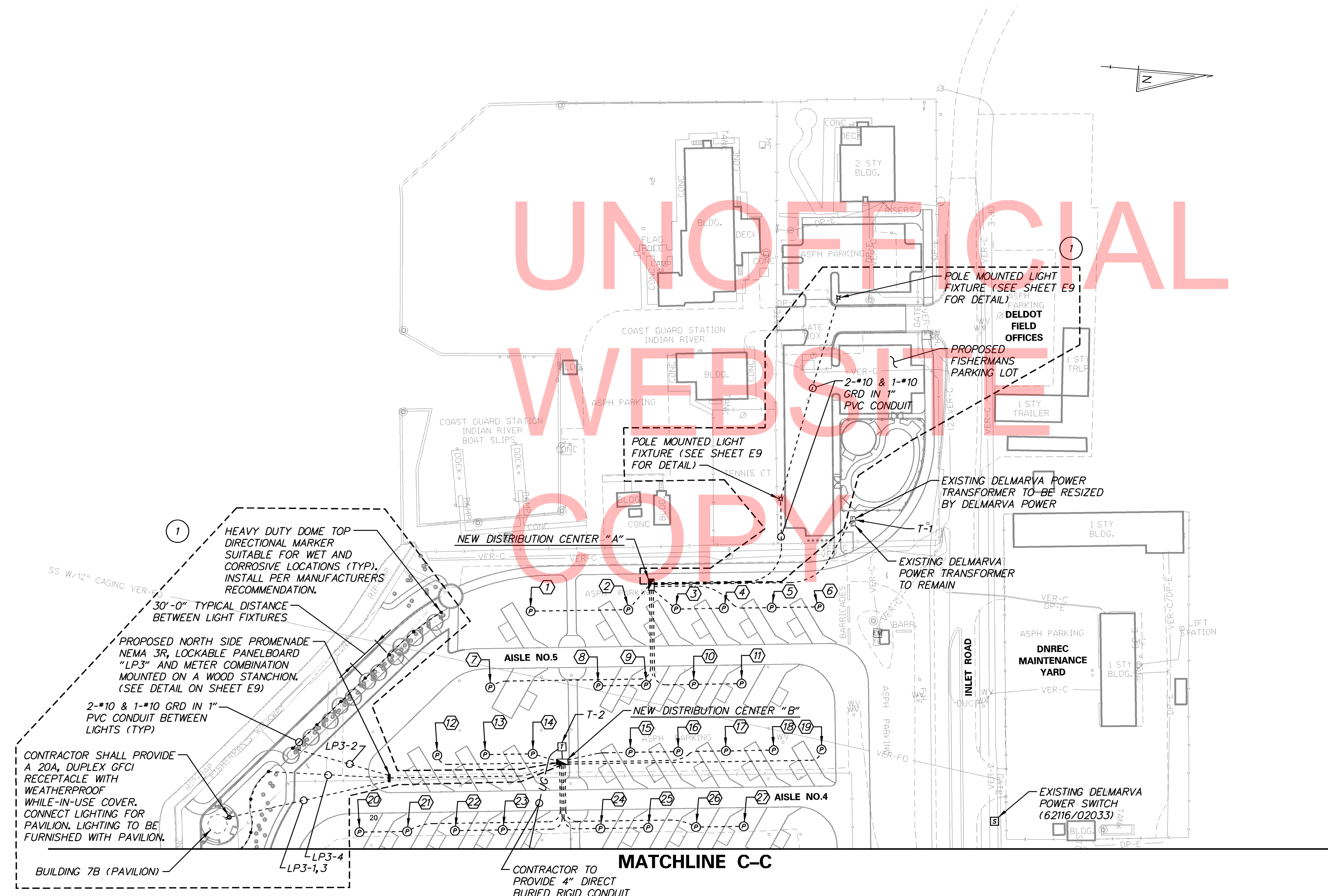
GENERAL SHEET NOTES:

1. BITUMINOUS CONCRETE PAVING-HOT MIX: WHEREVER EXISTING PAVED AREAS ARE DISTURBED TO INSTALL NEW WORK, THESE AREAS SHALL BE REPAIRED WITH NEW PAVING MATERIALS. THE QUALITY OF MATERIALS AND PERFORMANCE OF THE WORK SHALL BE IN STRICT CONFORMANCE WITH THE LATEST EDITION OF DELAWARE DEPT. OF TRANSPORTATION STANDARD SPECIFICATION, SECTION 400-BITUMINOUS PAVEMENTS AND SECTION 762-SAW CUTTING.
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DRAWING NOTE:

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GENERAL SHEET NOTES:

1. BITUMINOUS CONCRETE PAVING-HOT MIX-WHEREVER EXISTING PAVED AREAS ARE DISTURBED TO INSTALL NEW WORK, THESE AREAS SHALL BE REPAIRED WITH NEW PAVING MATERIALS. THE QUALITY OF MATERIALS AND PERFORMANCE OF THE WORK SHALL BE IN STRICT CONFORMANCE WITH THE LATEST EDITION OF DELAWARE DEPT. OF TRANSPORTATION STANDARD SPECIFICATION, SECTION 400-BITUMINOUS PAVEMENTS AND SECTION 762-SAW CUTTING.
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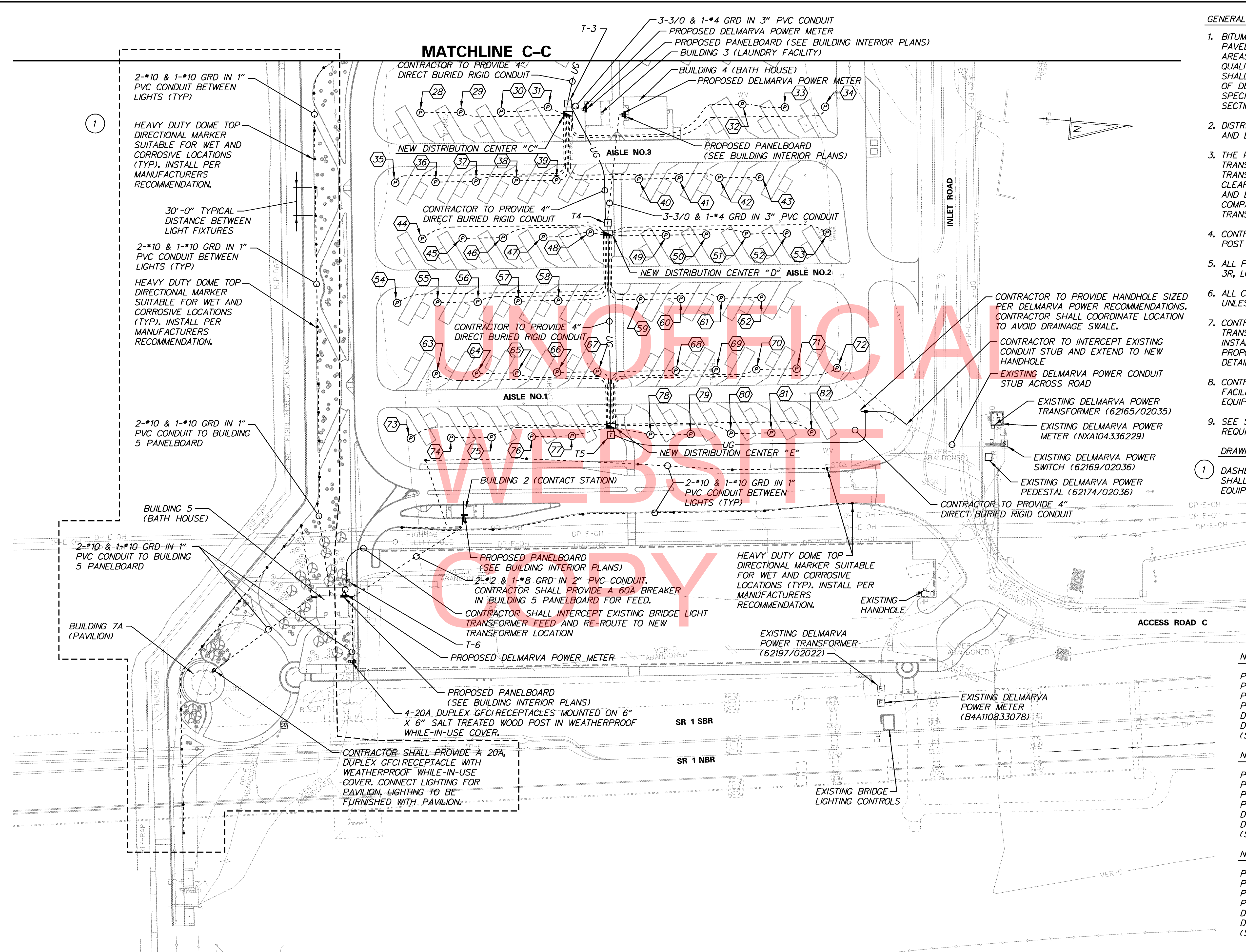
NEW DISTRIBUTION CENTER "A" (NORTH SIDE) DESCRIPTION:

PANELBOARD "A1" - (PROPOSED) 200A MCB
PANELBOARD "A2" - (PROPOSED) 200A MCB
DELMARVA POWER METER (PROPOSED)
(SEE SHEET E8 FOR DETAILS)

NEW DISTRIBUTION CENTER "B" (NORTH SIDE) DESCRIPTION:

PANELBOARD "B1" - (PROPOSED) 200A MCB
PANELBOARD "B2" - (PROPOSED) 200A MCB
PANELBOARD "B3" - (PROPOSED) 200A MCB
DELMARVA POWER METER (PROPOSED)
DELMARVA POWER METER (PROPOSED)
(SEE SHEET E8 FOR DETAILS)

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GENERAL SHEET NOTES:

1. BITUMINOUS CONCRETE PAVING-HOT MIX-WHEREVER EXISTING PAVED AREAS ARE DISTURBED TO INSTALL NEW WORK, THESE AREAS SHALL BE REPAIRED WITH NEW PAVING MATERIALS. THE QUALITY OF MATERIALS AND PERFORMANCE OF THE WORK SHALL BE IN STRICT CONFORMANCE WITH THE LATEST EDITION OF DELAWARE DEPT. OF TRANSPORTATION STANDARD SPECIFICATION, SECTION 400-BITUMINOUS PAVEMENTS AND SECTION 762-SAW CUTTING.
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9. SEE SPECIFICATIONS FOR LIGHTING CONTROL REQUIREMENTS.

DRAWING NOTE:

- 1 DASHED AREA IS AN ADD ALTERNATE. CONTRACTOR SHALL PROVIDE A SEPARATE BID FOR ELECTRICAL EQUIPMENT, MATERIAL AND INSTALLATION.

NEW DISTRIBUTION CENTER "C" (NORTH SIDE) DESCRIPTION:

PANELBOARD "C1" - (PROPOSED) 200A MCB
PANELBOARD "C2" - (PROPOSED) 200A MCB
PANELBOARD "C3" - (PROPOSED) 200A MCB
PANELBOARD "C4" - (PROPOSED) 200A MCB
DELMARVA POWER METER (PROPOSED)
DELMARVA POWER METER (PROPOSED)
(SEE SHEET E8 FOR DETAILS)

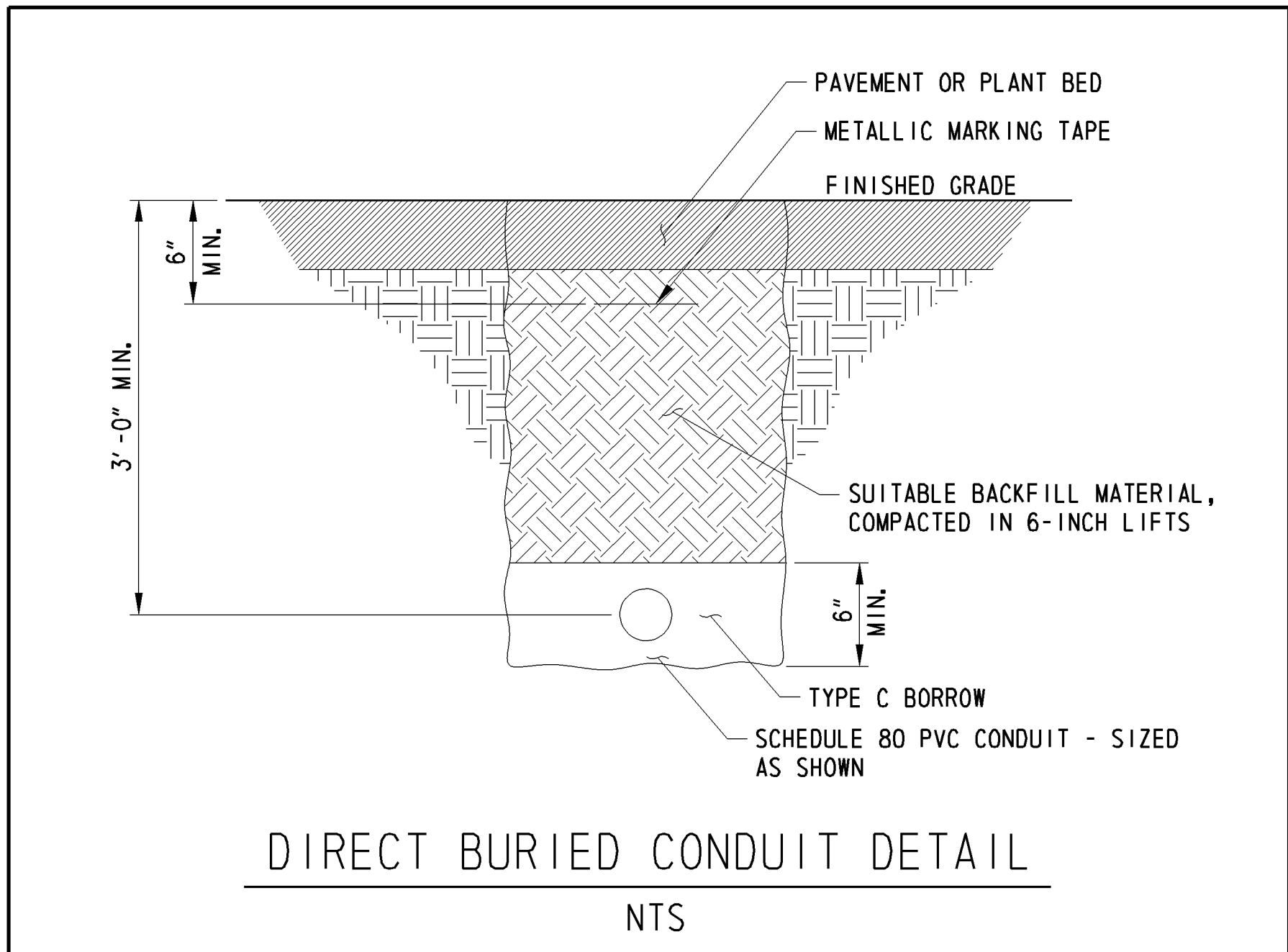
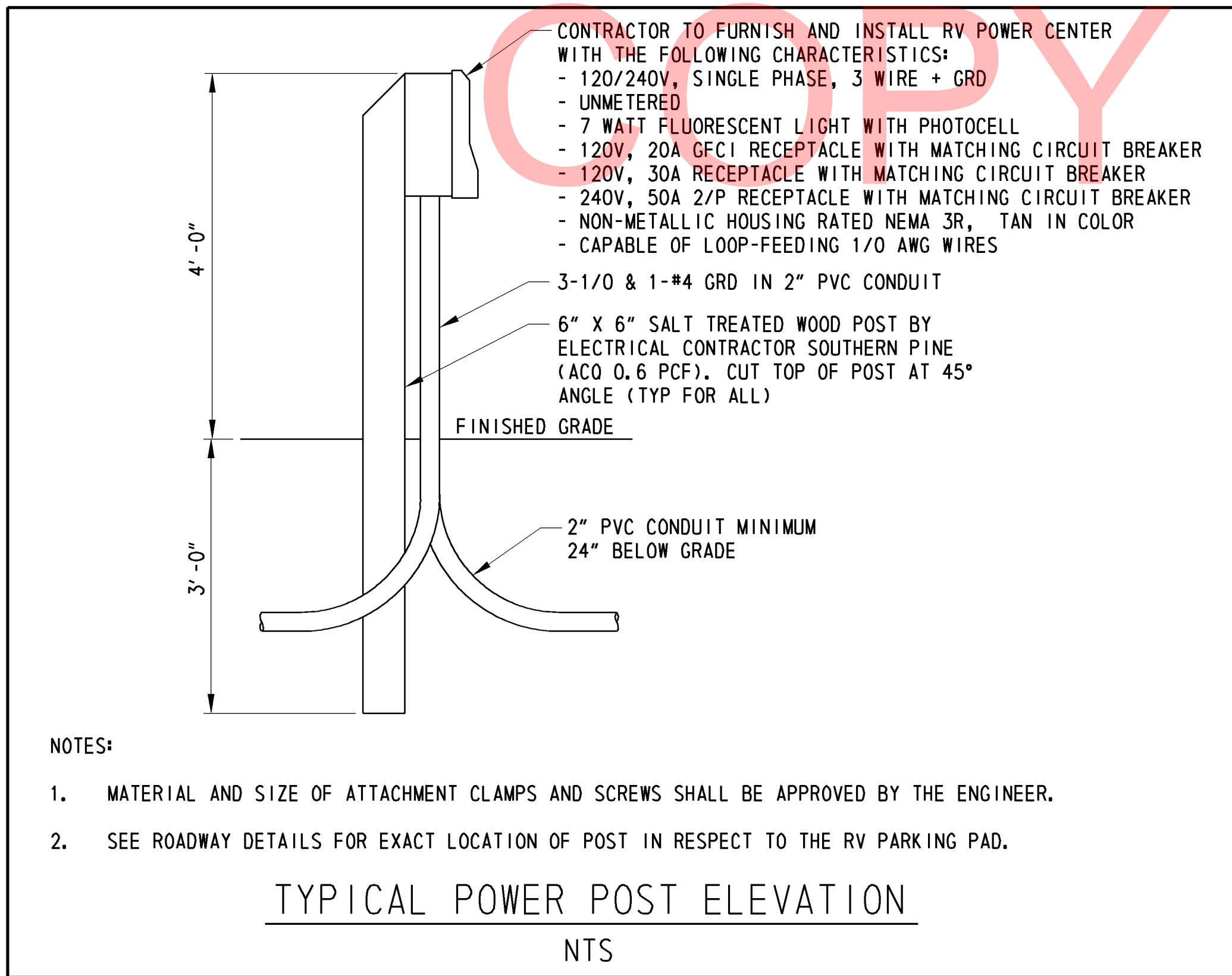
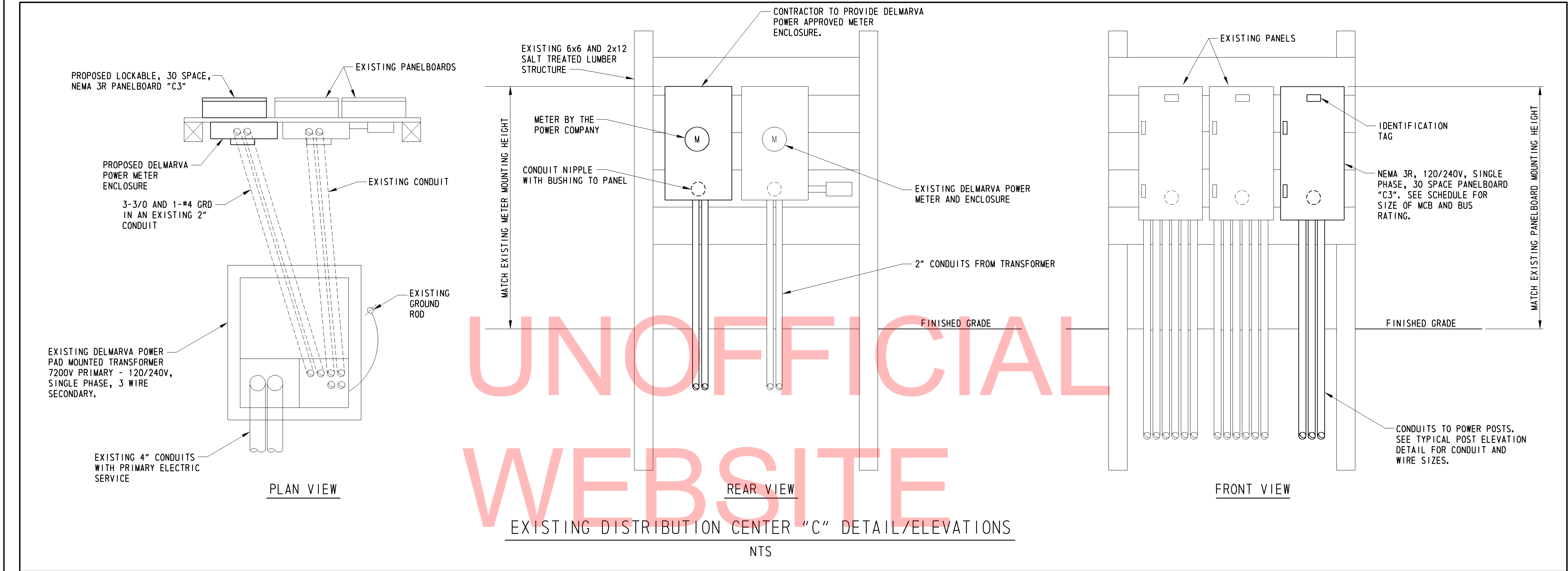
NEW DISTRIBUTION CENTER "D" (NORTH SIDE) DESCRIPTION:

PANELBOARD "D1" - (PROPOSED) 200A MCB
PANELBOARD "D2" - (PROPOSED) 200A MCB
PANELBOARD "D3" - (PROPOSED) 200A MCB
PANELBOARD "D4" - (PROPOSED) 200A MCB
DELMARVA POWER METER (PROPOSED)
DELMARVA POWER METER (PROPOSED)
(SEE SHEET E8 FOR DETAILS)

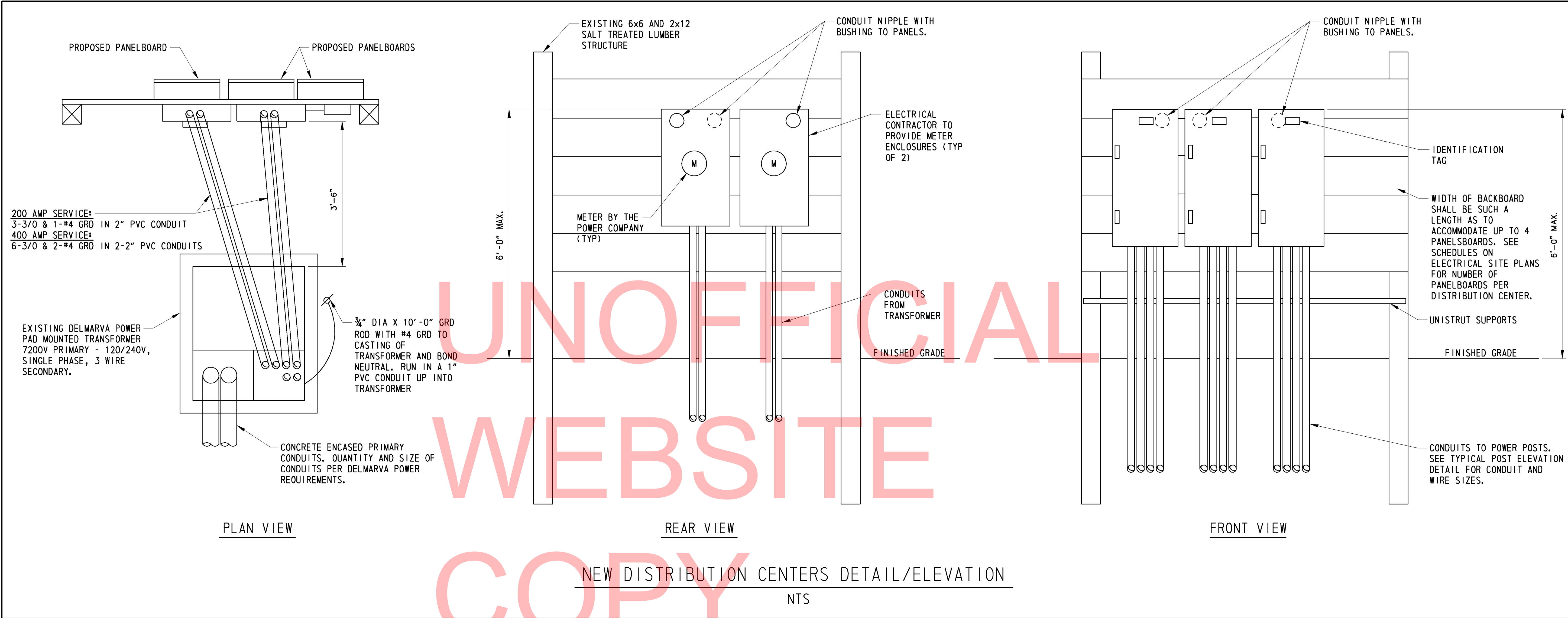
NEW DISTRIBUTION CENTER "E" (NORTH SIDE) DESCRIPTION:

PANELBOARD "E1" - (PROPOSED) 200A MCB
PANELBOARD "E2" - (PROPOSED) 200A MCB
PANELBOARD "E3" - (PROPOSED) 200A MCB
PANELBOARD "E4" - (PROPOSED) 200A MCB
DELMARVA POWER METER (PROPOSED)
DELMARVA POWER METER (PROPOSED)
(SEE SHEET E8 FOR DETAILS)

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DELAWARE
DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

NOT TO SCALE

INDIAN RIVER INLET
PARK ENHANCEMENTS

CONTRACT
T200507303
COUNTY
SUSSEX

BRIDGE NO.

X

DESIGNED BY: RK&K

CHECKED BY: RK&K

ELECTRICAL DETAILS

E8

SHEET NO.

160

TOTAL SHTS.

282



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PANELBOARD "A1" SCHEDULE																			
VOLTAGE: 120/240V, 1PH, 3W MAIN BUS BARS AND LUGS: 225A MAIN BREAKER: 200A										PANEL TYPE: SURFACE MOUNTED MIN. AIC RATING: 10,000 LOCATION: DISTRIBUTION CENTER "A" (NORTH SIDE)									
LOADS SERVED	WIRE SIZE	GRD	COND	LOAD KVA		POLE	BKR TRIP	PHASE		BKR TRIP	POLE	LOAD KVA		COND	GRD	WIRE SIZE	LOADS SERVED		
				A	B			A	B			A	B						
POWER POST ① ②	1/0	6	2"	12		2	100	1	2	100	2	12		2"	6	1/0	POWER POST ③ ④		
					12			3	4				12						
SPACE								5	6								SPACE		
SPACE								7	8								SPACE		
POWER POST ⑤ ⑥	1/0	6	2"	12		2	100	9	10								SPACE		
					12			11	12								SPACE		
SPACE								13	14								SPACE		
SPACE								15	16								SPACE		
SPACE								17	18								SPACE		
SPACE								19	20								SPACE		
SPACE								21	22								SPACE		
SPACE								23	24								SPACE		
SPACE								25	26								SPACE		
SPACE								27	28								SPACE		
SPACE								29	30								SPACE		
24.024.0										12.012.0									
CONNECTED KVA: 72.00																			

PANELBOARD "A2" SCHEDULE																				
VOLTAGE: 120/240V, 1PH, 3W MAIN BUS BARS AND LUGS: 225A MAIN BREAKER: 200A										PANEL TYPE: SURFACE MOUNTED MIN. AIC RATING: 10,000 LOCATION: DISTRIBUTION CENTER "A" (NORTH SIDE)										
LOADS SERVED	WIRE SIZE	GRD	COND	LOAD KVA		POLE	BKR TRIP	PHASE		BKR TRIP	POLE	LOAD KVA		COND	GRD	WIRE SIZE	LOADS SERVED			
				A	B			A	B											
POWER POST ⑦	1/0	6	2"	6		2	50	1	2	100	2	12		2"	6	1/0	POWER POST ⑧ ⑨			
					6			3	4				12							
SPACE								5	6								SPACE			
SPACE								7	8								SPACE			
POWER POST ⑩ ⑪	1/0	6	2"	12		2	100	9	10	20	1	.42		¾"	10	10	STREET LIGHTING			
					12			11	12								SPACE			
SPACE								13	14								SPACE			
SPACE								15	16								SPACE			
SPACE								17	18								SPACE			
SPACE								19	20								SPACE			
SPACE								21	22								SPACE			
SPACE								23	24								SPACE			
SPACE								25	26								SPACE			
SPACE								27	28								SPACE			
SPACE								29	30								SPACE			
				18.0	18.0											12.4	12.0			
CONNECTED KVA:								60.42												

PANELBOARD "C1" SCHEDULE																			
VOLTAGE: 120/240V, 1PH, 3W MAIN BUS BARS AND LUGS: 225A MAIN BREAKER: 200A										PANEL TYPE: SURFACE MOUNTED MIN. AIC RATING: 10,000 LOCATION: DISTRIBUTION CENTER "C" (NORTH SIDE)									
LOADS SERVED	WIRE SIZE	GRD	COND	LOAD KVA		POLE	BKR TRIP	PHASE		BKR TRIP	POLE	LOAD KVA		COND	GRD	WIRE SIZE	LOADS SERVED		
				A	B			A	B			A	B						
POWER POST 28 29	1/0	6	2"	12		2	100	1	2	100	2	12		2"	6	1/0	POWER POST 30 31		
					12			3	4				12						
SPACE								5	6								SPACE		
SPACE								7	8								SPACE		
SPACE								9	10								SPACE		
SPACE								11	12								SPACE		
SPACE								13	14								SPACE		
SPACE								15	16								SPACE		
SPACE								17	18								SPACE		
SPACE								19	20								SPACE		
SPACE								21	22								SPACE		
SPACE								23	24								SPACE		
SPACE								25	26								SPACE		
SPACE								27	28								SPACE		
SPACE								29	30								SPACE		
				12.012.0								12.012.0							
CONNECTED KVA: 48.00																			

PANELBOARD "C3" SCHEDULE																			
VOLTAGE: 120/240V, 1PH, 3W MAIN BUS BARS AND LUGS: 225A MAIN BREAKER: 200A										PANEL TYPE: SURFACE MOUNTED MIN. AIC RATING: 10,000 LOCATION: DISTRIBUTION CENTER "C" (NORTH SIDE)									
LOADS SERVED	WIRE SIZE	GRD	COND	LOAD KVA		POLE	BKR TRIP	PHASE		BKR TRIP	POLE	LOAD KVA		COND	GRD	WIRE SIZE	LOADS SERVED		
				A	B			A	B			A	B						
POWER POST 35	1/0	6	2"	6		2	50	1	2	100	2	12		2"	6	1/0	POWER POST 36 37		
					6			3	4				12						
SPACE								5	6								SPACE		
SPACE								7	8								SPACE		
POWER POST 38 39	1/0	6	2"	12		2	100	9	10								SPACE		
					12			11	12								SPACE		
SPACE								13	14								SPACE		
SPACE								15	16								SPACE		
SPACE								17	18								SPACE		
SPACE								19	20								SPACE		
SPACE								21	22								SPACE		
SPACE								23	24								SPACE		
SPACE								25	26								SPACE		
SPACE								27	28								SPACE		
SPACE								29	30								SPACE		
				18.0 18.0										12.0 12.0					
CONNECTED KVA:										60.00									

PANELBOARD "C2" SCHEDULE																							
VOLTAGE: 120/240V, 1PH, 3W MAIN BUS BARS AND LUGS: 225A MAIN BREAKER: 200A										PANEL TYPE: SURFACE MOUNTED MIN. AIC RATING: 10,000 LOCATION: DISTRIBUTION CENTER "C" (NORTH SIDE)													
LOADS SERVED		WIRE SIZE	GRD	COND	LOAD KVA		POLE	BKR TRIP	PHASE		BKR TRIP	POLE	LOAD KVA		COND	GRD	WIRE SIZE	LOADS SERVED					
POWER POST	32 33	1/0	6	2"	12		2	100	1	2	50	2	6		2"	6	1/0	POWER POST	34				
					12				3	4				6									
SPACE									5	6								SPACE					
SPACE									7	8								SPACE					
SPACE									9	10								SPACE					
SPACE									11	12								SPACE					
SPACE									13	14								SPACE					
SPACE									15	16								SPACE					
SPACE									17	18								SPACE					
SPACE									19	20								SPACE					
SPACE									21	22								SPACE					
SPACE									23	24								SPACE					
SPACE									25	26								SPACE					
SPACE									27	28								SPACE					
SPACE									29	30								SPACE					
					12.0	12.0											6.0	6.0					
CONNECTED KVA:										36.00													

PANELBOARD "C4" SCHEDULE																					
VOLTAGE: 120/240V, 1PH, 3W MAIN BUS BARS AND LUGS: 225A MAIN BREAKER: 200A										PANEL TYPE: SURFACE MOUNTED MIN. AIC RATING: 10,000 LOCATION: DISTRIBUTION CENTER "C" (NORTH SIDE)											
LOADS SERVED	WIRE SIZE	GRD	COND	LOAD KVA		POLE	BKR TRIP	PHASE		BKR TRIP	POLE	LOAD KVA		COND	GRD	WIRE SIZE	LOADS SERVED				
				A	B			A	B			A	B								
POWER POST 40 41	1/0	6	2"	12		2	100	1	2	100	2	12		2"	6	1/0	POWER POST 42 43				
					12			3	4				12								
SPACE								5	6								SPACE				
SPACE								7	8								SPACE				
SPACE								9	10								SPACE				
SPACE								11	12								SPACE				
SPACE								13	14								SPACE				
SPACE								15	16								SPACE				
SPACE								17	18								SPACE				
SPACE								19	20								SPACE				
SPACE								21	22								SPACE				
SPACE								23	24								SPACE				
SPACE								25	26								SPACE				
SPACE								27	28								SPACE				
SPACE								29	30								SPACE				
				12.0	12.0											12.0	12.0				
CONNECTED KVA:									48.00												

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PANELBOARD "D1" SCHEDULE																			
VOLTAGE: 120/240V, 1PH, 3W MAIN BUS BARS AND LUGS: 225A MAIN BREAKER: 200A										PANEL TYPE: SURFACE MOUNTED MIN. AIC RATING: 10,000 LOCATION: DISTRIBUTION CENTER "D" (NORTH SIDE)									
LOADS SERVED	WIRE SIZE	GRD	COND	LOAD KVA		POLE	BKR TRIP	PHASE		BKR TRIP	POLE	LOAD KVA		COND	GRD	WIRE SIZE	LOADS SERVED		
				A	B			A	B			A	B						
POWER POST 44	1/0	6	2"	6		2	50	1	2	100	2	12		2"	6	1/0	POWER POST 45 46		
					6			3	4				12						
SPACE								5	6								SPACE		
SPACE								7	8								SPACE		
POWER POST 47 48	1/0	6	2"	12		2	100	9	10								SPACE		
					12			11	12								SPACE		
SPACE								13	14								SPACE		
SPACE								15	16								SPACE		
SPACE								17	18								SPACE		
SPACE								19	20								SPACE		
SPACE								21	22								SPACE		
SPACE								23	24								SPACE		
SPACE								25	26								SPACE		
SPACE								27	28								SPACE		
SPACE								29	30								SPACE		
				18.018.0						12.012.0									
CONNECTED KVA:								60.00											

PANELBOARD "D3" SCHEDULE																			
VOLTAGE: 120/240V, 1PH, 3W MAIN BUS BARS AND LUGS: 225A MAIN BREAKER: 200A										PANEL TYPE: SURFACE MOUNTED MIN. AIC RATING: 10,000 LOCATION: DISTRIBUTION CENTER "D" (NORTH SIDE)									
LOADS SERVED	WIRE SIZE	GRD	COND	LOAD KVA		POLE	BKR TRIP	PHASE		BKR TRIP	POLE	LOAD KVA		COND	GRD	WIRE SIZE	LOADS SERVED		
				A	B			A	B			A	B						
POWER POST 54	1/0	6	2"	6		2	50	1	2	100	2	12		2"	6	1/0	POWER POST 55 56		
					6			3	4				12						
SPACE								5	6								SPACE		
SPACE								7	8								SPACE		
POWER POST 57 58	1/0	6	2"	12		2	100	9	10								SPACE		
					12			11	12								SPACE		
SPACE								13	14								SPACE		
SPACE								15	16								SPACE		
SPACE								17	18								SPACE		
SPACE								19	20								SPACE		
SPACE								21	22								SPACE		
SPACE								23	24								SPACE		
SPACE								25	26								SPACE		
SPACE								27	28								SPACE		
SPACE								29	30								SPACE		
				18.018.0						12.012.0									
CONNECTED KVA: 60.00																			

PANELBOARD "D2" SCHEDULE																			
VOLTAGE: 120/240V, 1PH, 3W MAIN BUS BARS AND LUGS: 225A MAIN BREAKER: 200A										PANEL TYPE: SURFACE MOUNTED MIN. AIC RATING: 10,000 LOCATION: DISTRIBUTION CENTER "D" (NORTH SIDE)									
LOADS SERVED	WIRE SIZE	GRD	COND	LOAD KVA		POLE	BKR TRIP	PHASE		BKR TRIP	POLE	LOAD KVA		COND	GRD	WIRE SIZE	LOADS SERVED		
				A	B			A	B			A	B						
POWER POST 49 50	1/0	6	2"	12		2	100	1	2	100	2	12		2"	6	1/0	POWER POST 51 52		
					12			3	4				12						
SPACE								5	6								SPACE		
SPACE								7	8								SPACE		
POWER POST 53	1/0	6	2"	6		2	50	9	10								SPACE		
					6			11	12								SPACE		
SPACE								13	14								SPACE		
SPACE								15	16								SPACE		
SPACE								17	18								SPACE		
SPACE								19	20								SPACE		
SPACE								21	22								SPACE		
SPACE								23	24								SPACE		
SPACE								25	26								SPACE		
SPACE								27	28								SPACE		
SPACE								29	30								SPACE		
				18.018.0								12.012.0							
CONNECTED KVA:								60.00											

PANELBOARD "D4" SCHEDULE																				
VOLTAGE: 120/240V, 1PH, 3W MAIN BUS BARS AND LUGS: 225A MAIN BREAKER: 200A										PANEL TYPE: SURFACE MOUNTED MIN. AIC RATING: 10,000 LOCATION: DISTRIBUTION CENTER "D" (NORTH SIDE)										
LOADS SERVED		WIRE SIZE	GRD	COND	LOAD KVA		POLE	BKR TRIP	PHASE		BKR TRIP	POLE	LOAD KVA		COND	GRD	WIRE SIZE	LOADS SERVED		
					A	B			A	B			A	B						
POWER POST 59 60		1/0	6	2"	12		2	100	1	2	100	2	12		2"	6	1/0	POWER POST 61 62		
						12			3	4				12						
SPACE									5	6								SPACE		
SPACE									7	8								SPACE		
SPACE									9	10								SPACE		
SPACE									11	12								SPACE		
SPACE									13	14								SPACE		
SPACE									15	16								SPACE		
SPACE									17	18								SPACE		
SPACE									19	20								SPACE		
SPACE									21	22								SPACE		
SPACE									23	24								SPACE		
SPACE									25	26								SPACE		
SPACE									27	28								SPACE		
SPACE									29	30								SPACE		
					12.0	12.0							12.0	12.0						
CONNECTED KVA:										48.00										

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 DELAWARE DEPARTMENT OF TRANSPORTATION		ADDENDUMS / REVISIONS		NOT TO SCALE	INDIAN RIVER INLET PARK ENHANCEMENTS	CONTRACT	BRIDGE NO.	X	PANELBOARD SCHEDULES	E13
						T200507303				SHEET NO.
						COUNTY	DESIGNED BY: RK&K			165
						SUSSEX	CHECKED BY: RK&K			TOTAL SHTS.
								282		

PANELBOARD "E1" SCHEDULE																
VOLTAGE: 120/240V, 1PH, 3W MAIN BUS BARS AND LUGS: 225A MAIN BREAKER: 200A								PANEL TYPE: SURFACE MOUNTED MIN. AIC RATING: 10,000 LOCATION: DISTRIBUTION CENTER "E" (NORTH SIDE)								
LOADS SERVED	WIRE SIZE	GRD	COND	LOAD KVA A B	POLE	BKR TRIP	PHASE A B	BKR TRIP	POLE	LOAD KVA A B	COND	GRD	WIRE SIZE	LOADS SERVED		
POWER POST 63	1/0	6	2"	6		2	50	1	2	100	2	12	2"	6	1/0	POWER POST 64 65
				6			3	4				12				
SPACE							5	6								SPACE
SPACE							7	8								SPACE
POWER POST 66 67	1/0	6	2"	12		2	100	9	10							SPACE
				12			11	12								SPACE
SPACE							13	14								SPACE
SPACE							15	16								SPACE
SPACE							17	18								SPACE
SPACE							19	20								SPACE
SPACE							21	22								SPACE
SPACE							23	24								SPACE
SPACE							25	26								SPACE
SPACE							27	28								SPACE
SPACE							29	30								SPACE
				18.0	18.0					12.0	12.0					
CONNECTED KVA: 60.00																

PANELBOARD "E3" SCHEDULE																
VOLTAGE: 120/240V, 1PH, 3W MAIN BUS BARS AND LUGS: 225A MAIN BREAKER: 200A								PANEL TYPE: SURFACE MOUNTED MIN. AIC RATING: 10,000 LOCATION: DISTRIBUTION CENTER "E" (NORTH SIDE)								
LOADS SERVED	WIRE SIZE	GRD	COND	LOAD KVA A B	POLE	BKR TRIP	PHASE A B	BKR TRIP	POLE	LOAD KVA A B	COND	GRD	WIRE SIZE	LOADS SERVED		
POWER POST 73	1/0	6	2"	6		2	50	1	2	100	2	12	2"	6	1/0	POWER POST 74 75
				6			3	4				12				
SPACE							5	6								SPACE
SPACE							7	8								SPACE
POWER POST 76 77	1/0	6	2"	12		2	100	9	10							SPACE
				12			11	12								SPACE
SPACE							13	14								SPACE
SPACE							15	16								SPACE
SPACE							17	18								SPACE
SPACE							19	20								SPACE
SPACE							21	22								SPACE
SPACE							23	24								SPACE
SPACE							25	26								SPACE
SPACE							27	28								SPACE
SPACE							29	30								SPACE
				18.0	18.0					12.0	12.0					
CONNECTED KVA: 60.00																

PANELBOARD "E2" SCHEDULE																
VOLTAGE: 120/240V, 1PH, 3W MAIN BUS BARS AND LUGS: 225A MAIN BREAKER: 200A								PANEL TYPE: SURFACE MOUNTED MIN. AIC RATING: 10,000 LOCATION: DISTRIBUTION CENTER "E" (NORTH SIDE)								
LOADS SERVED	WIRE SIZE	GRD	COND	LOAD KVA A B	POLE	BKR TRIP	PHASE A B	BKR TRIP	POLE	LOAD KVA A B	COND	GRD	WIRE SIZE	LOADS SERVED		
POWER POST 68 69	1/0	6	2"	12		2	100	1	2	100	2	12	2"	6	1/0	POWER POST 70 71
				12			3	4				12				
SPACE							5	6								SPACE
SPACE							7	8								SPACE
POWER POST 72	1/0	6	2"	6		2	50	9	10							SPACE
				6			11	12								SPACE
SPACE							13	14								SPACE
SPACE							15	16								SPACE
SPACE							17	18								SPACE
SPACE							19	20								SPACE
SPACE							21	22								SPACE
SPACE							23	24								SPACE
SPACE							25	26								SPACE
SPACE							27	28								SPACE
SPACE							29	30								SPACE
				18.0	18.0					12.0	12.0					
CONNECTED KVA: 60.00																

PANELBOARD "E4" SCHEDULE																
VOLTAGE: 120/240V, 1PH, 3W MAIN BUS BARS AND LUGS: 225A MAIN BREAKER: 200A								PANEL TYPE: SURFACE MOUNTED MIN. AIC RATING: 10,000 LOCATION: DISTRIBUTION CENTER "E" (NORTH SIDE)								
LOADS SERVED	WIRE SIZE	GRD	COND	LOAD KVA A B	POLE	BKR TRIP	PHASE A B	BKR TRIP	POLE	LOAD KVA A B	COND	GRD	WIRE SIZE	LOADS SERVED		
POWER POST 78 79	1/0	6	2"	12		2	100	1	2	100	2	12	2"	6	1/0	POWER POST 80 81
				12			3	4				12				
SPACE							5	6								SPACE
SPACE							7	8								SPACE
POWER POST 82	1/0	6	2"	6		2	50	9	10							SPACE
				6			11	12								SPACE
SPACE							13	14								SPACE
SPACE							15	16								SPACE
SPACE							17	18								SPACE
SPACE							19	20								SPACE
SPACE							21	22								SPACE
SPACE							23	24								SPACE
SPACE							25	26								SPACE
SPACE							27	28								SPACE
SPACE							29	30								SPACE
				18.0	18.0					12.0	12.0					
CONNECTED KVA: 60.00																

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PANELBOARD "LP1" SCHEDULE																					
VOLTAGE: 120/240V, 1PH, 3W MAIN BUS BARS AND LUGS: 125A MAIN BREAKER: 100A										PANEL TYPE: SURFACE MOUNTED MIN. AIC RATING: 10,000 LOCATION: AMPHITHEATER											
LOADS SERVED	WIRE SIZE	GRD	COND	LOAD KVA		POLE	BKR TRIP	PHASE		BKR TRIP	POLE	LOAD KVA		COND	GRD	WIRE SIZE	LOADS SERVED				
				A	B			A	B			A	B								
RECEPTACLE	12	12	1"	.18		1	20	1	2	20	1	.18		1"	12	12	RECEPTACLE				
RECEPTACLE	12	12		.18		1	20	3	4	20	1	.18			12	12	RECEPTACLE				
RECEPTACLE	12	12		.18		1	20	5	6	20	1	.18			12	12	RECEPTACLE				
SPARE						1	20	7	8	20	1						SPARE				
SPARE						1	20	9	10	20	1						SPARE				
SPARE						1	20	11	12	20	1						SPARE				
SPARE						1	20	13	14	20	1						SPARE				
SPACE								15	16								SPACE				
SPACE								17	18								SPACE				
SPACE								19	20								SPACE				
SPACE								21	22								SPACE				
SPACE								23	24								SPACE				
				0.4	0.2											0.4	0.2				
CONNECTED KVA:										1.08											

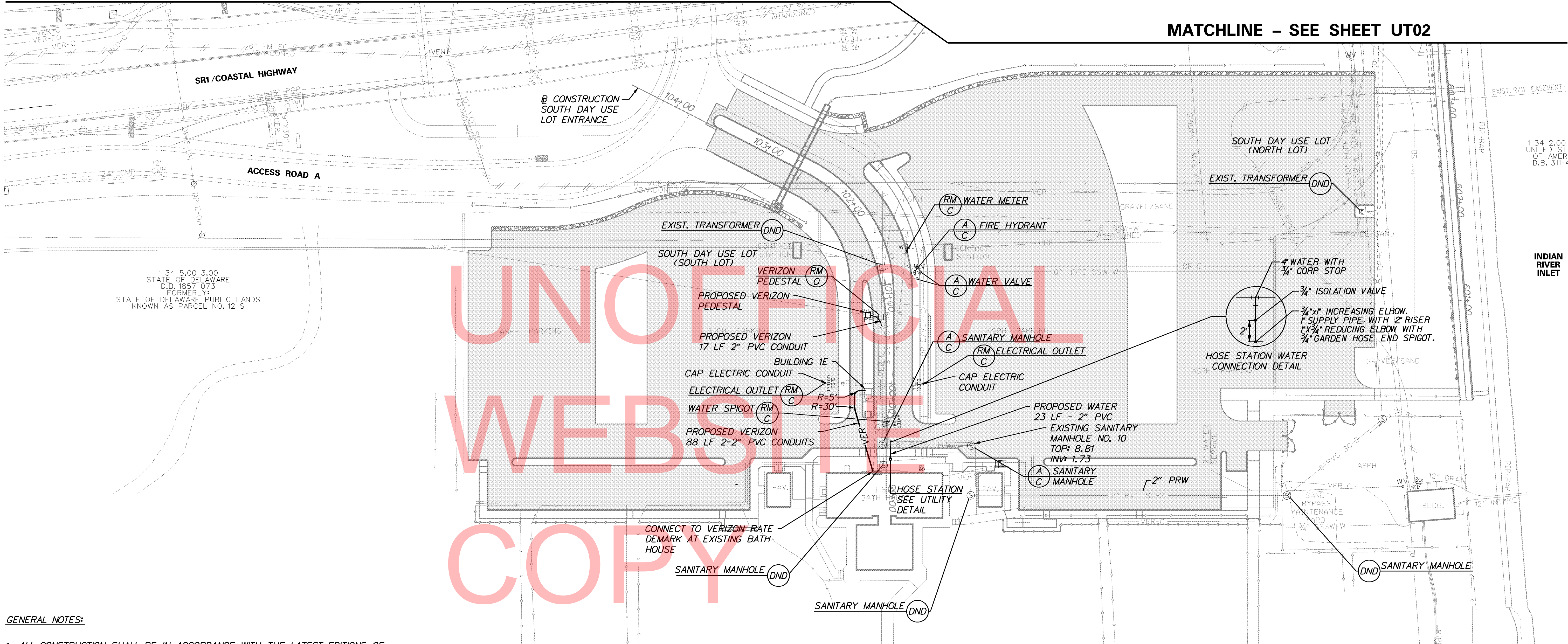
PANELBOARD "LP2" SCHEDULE																							
VOLTAGE: 120/240V, 1PH, 3W MAIN BUS BARS AND LUGS: 125A MAIN BREAKER: 100A												PANEL TYPE: SURFACE MOUNTED MIN. AIC RATING: 10,000 LOCATION: SOUTH SIDE PROMENADE AREA											
LOADS SERVED	WIRE SIZE	GRD	COND	LOAD KVA		POLE	BKR TRIP	PHASE		BKR TRIP	POLE	LOAD KVA		COND	GRD	WIRE SIZE	LOADS SERVED						
				A	B			A	B			A	B										
PAVILION #7D RECEPTACLE	10	10	1"	.18		1	20	1	2	20	1	.14		1"	10	10	PAVILION #7D LIGHTING						
PROMENADE LIGHTING	10	10	1"		.15	1	20	3	4	20	1		.15	1"	10	10	PROMENADE LIGHTING						
PAVILION #7C RECEPTACLE	10	10	1"	.18		1	20	5	6	20	1	.14		1"	10	10	PAVILION #7C LIGHTING						
PROMENADE LIGHTING	8	10	1"		.15			7	8	20	1		.13	1"	10	10	PARKING LOT LIGHTING						
SPACE								9	10								SPACE						
SPACE								11	12								SPACE						
SPACE								13	14								SPACE						
SPACE								15	16								SPACE						
SPACE								17	18								SPACE						
				0.4	0.3											0.3	0.3						
CONNECTED KVA:																		1.22					

PANELBOARD "LP3" SCHEDULE																			
VOLTAGE: 120/240V, 1PH, 3W MAIN BUS BARS AND LUGS: 125A MAIN BREAKER: 40A										PANEL TYPE: SURFACE MOUNTED MIN. AIC RATING: 10,000 LOCATION: PAVILION #3									
LOADS SERVED	WIRE SIZE	GRD	COND	LOAD KVA		POLE	BKR TRIP	PHASE		BKR TRIP	POLE	LOAD KVA		COND	GRD	WIRE SIZE	LOADS SERVED		
				A	B			A	B			A	B						
PAVILION #7B LIGHTING	10	10	1"	.07		1	20	1	2	20	1	.15		1"	10	10	PROMENADE LIGHTING		
PAVILION #7B RECEPTACLE	10	10	1"		.18	1	20	3	4	20	1		.15	1"	10	10	PROMENADE LIGHTING		
SPACE								5	6								SPACE		
SPACE								7	8								SPACE		
				0.1	0.2							0.2	0.2						
CONNECTED KVA:																		0.55	

UNOFFICIAL
WEBSITE
COPY

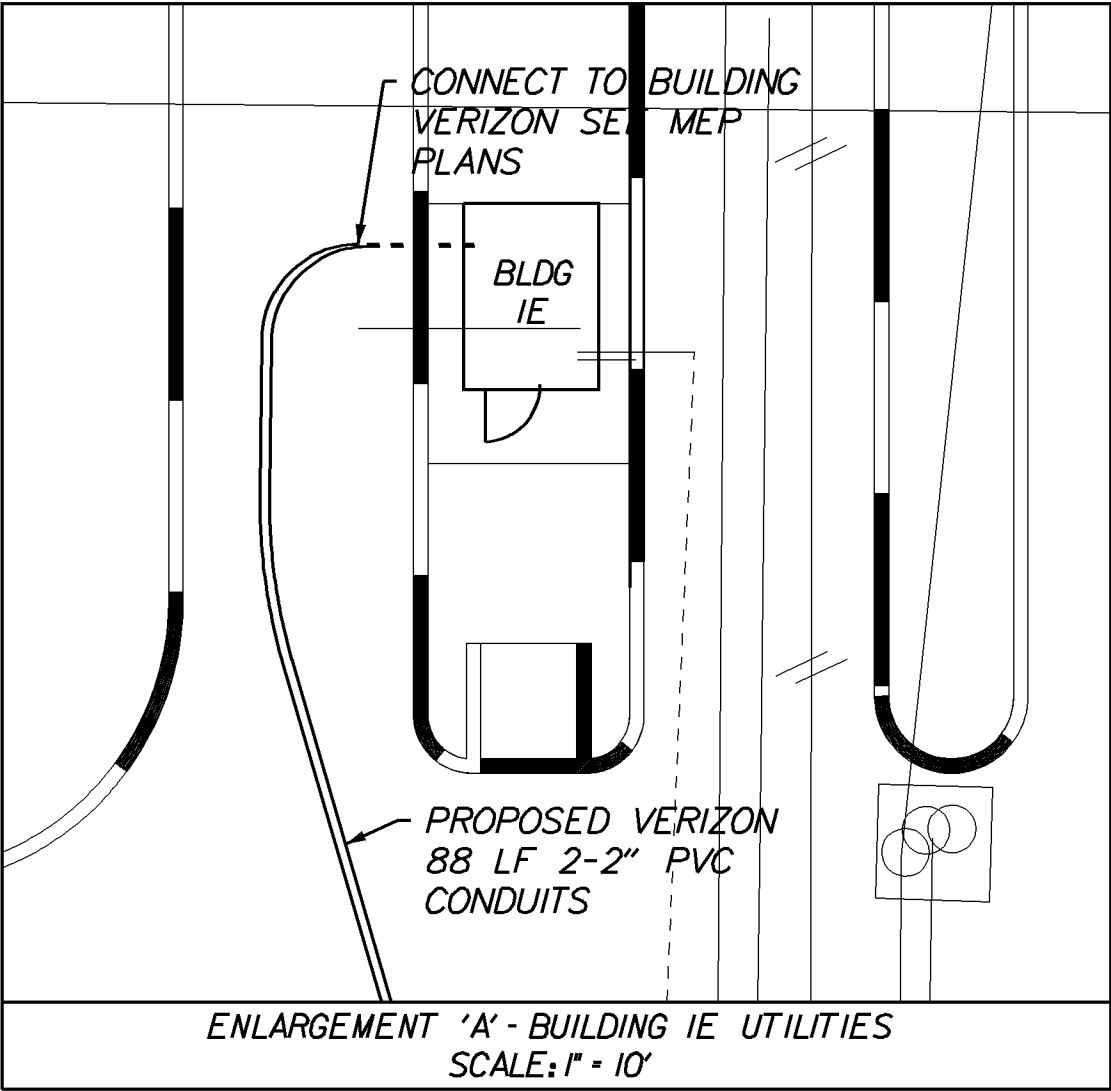
MATCHLINE - SEE SHEET UT02

MATCHLINE - SEE SHEET UT02

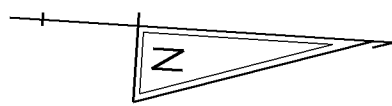


GENERAL NOTES:

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE SUSSEX COUNTY STANDARD SPECIFICATIONS FOR DESIGN AND CONSTRUCTION OF ORDINANCE NO. 38 PROJECTS AND THE PROJECT TECHNICAL SPECIFICATIONS, IN CASE OF CONFLICT, THE PROJECT TECHNICAL SPECIFICATIONS SHALL GOVERN.
2. THE LOCATION OF ALL UNDERGROUND UTILITIES AND FEATURES SHOWN ARE APPROXIMATE ONLY AND NO GUARANTEE IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN ON THE PLAN. THE CONTRACTOR SHALL FIELD VERIFY BOTH HORIZONTAL AND VERTICAL LOCATIONS OF ALL EXISTING UTILITIES PRIOR TO BEGINNING ANY CONSTRUCTION AT NO ADDITIONAL COST. THE CONTRACTOR SHALL CONTACT MISS UTILITY (1-800-282-8555) PRIOR TO THE BEGINNING OF ANY CONSTRUCTION ACTIVITY.
3. BUTTRESSES NOT SHOWN. ALL BUTTRESSES TO BE CONSTRUCTED IN ACCORDANCE WITH THE SUSSEX COUNTY STANDARD SPECIFICATION FOR DESIGN AND CONSTRUCTION OF ORDINANCE 38 PROJECTS.
4. FULL DEPTH PAVEMENT PATCHING SECTION SHALL MATCH THE PROJECT FULL DEPTH PAVEMENT SECTION.
5. SEE ARCHITECTURAL/MEP PLANS FOR BUILDING 1E UTILITIES AND PIPING
6. SEE ELECTRICAL PLANS FOR ELECTRICAL LAYOUT AND DETAILS.
7. ALL PROPOSED CIVIL/SITE UTILITIES TERMINATE 5' FROM FACE OF PROPOSED OR EXISTING BUILDING.
8. SEE UTILITY RELOCATION DETAILS FOR VERIZON DIRECT BURIED CONDUIT DETAIL.

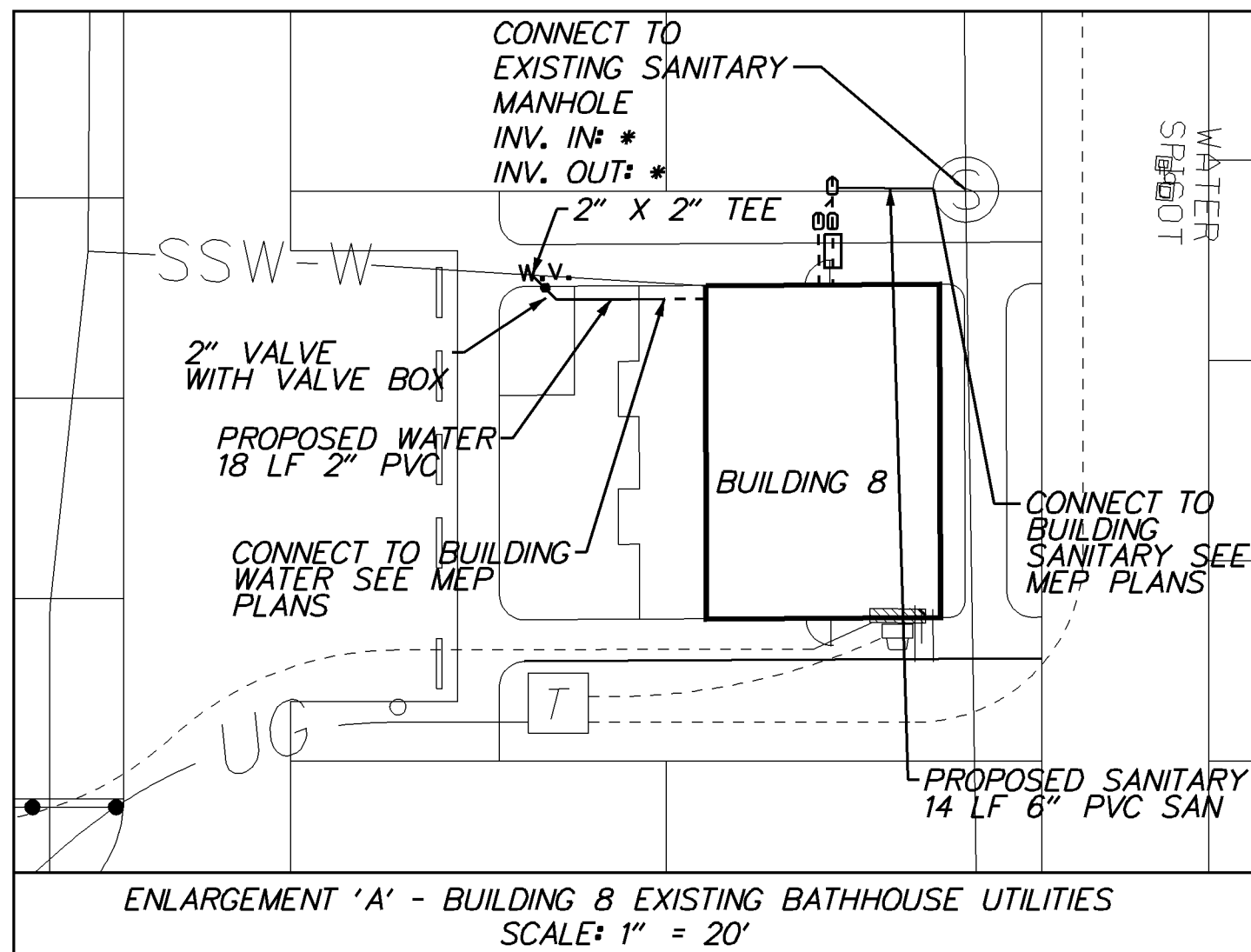


MATCHLINE - SEE SHEET UT03



1-34-5.00-2.00
STATE OF DELAWARE
D.B. 1857-073
FORMERLY:
STATE OF DELAWARE PUBLIC LANDS
KNOWN AS PARCEL NO. 11-S

* CONTRACTOR TO FIELD VERIFY EXISTING SANITARY SYSTEM AND VERIFY THAT THE PROPOSED BUILDING SANITARY SYSTEM WILL PROVIDE POSITIVE OUTFLOW. CONTRACTOR TO SUBMIT VERIFICATION TO THE ENGINEER PRIOR TO BEGINNING CONSTRUCTION OR ORDERING ANY MATERIAL ASSOCIATED WITH THE PROPOSED SANITARY SYSTEM

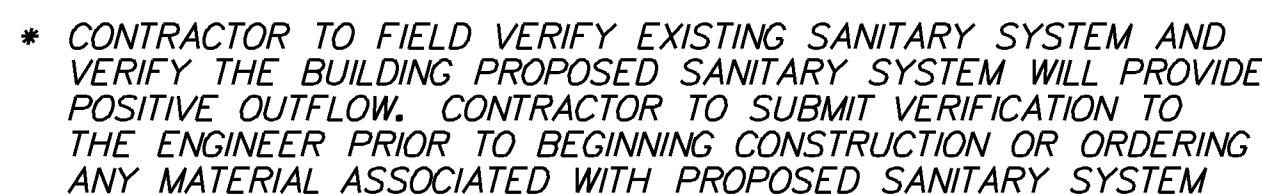
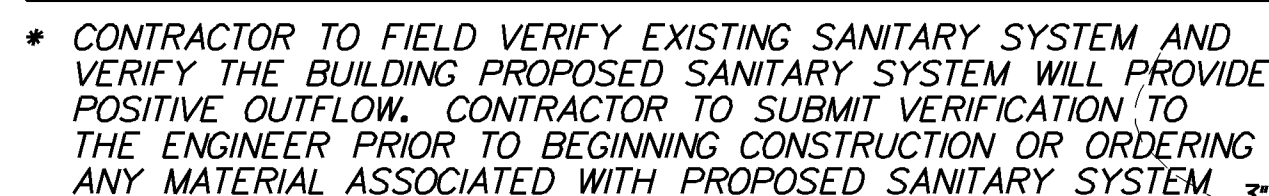


GENERAL NOTES:

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE SUSSEX COUNTY STANDARD SPECIFICATIONS FOR DESIGN AND CONSTRUCTION OF ORDINANCE NO. 38 PROJECTS AND THE PROJECT TECHNICAL SPECIFICATIONS, IN CASE OF CONFLICT, THE PROJECT TECHNICAL SPECIFICATIONS SHALL GOVERN.
- THE LOCATION OF ALL UNDERGROUND UTILITIES AND FEATURES SHOWN ARE APPROXIMATE ONLY AND NO GUARANTEE IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN ON THE PLAN. THE CONTRACTOR SHALL FIELD VERIFY BOTH HORIZONTAL AND VERTICAL LOCATIONS OF ALL EXISTING UTILITIES PRIOR TO BEGINNING ANY CONSTRUCTION AT NO ADDITIONAL COST. THE CONTRACTOR SHALL CONTACT MISS UTILITY (1-800-282-8555) PRIOR TO THE BEGINNING OF ANY CONSTRUCTION ACTIVITY.
- BUTTRESSES NOT SHOWN. ALL BUTTRESSES TO BE CONSTRUCTED IN ACCORDANCE WITH THE SUSSEX COUNTY STANDARD SPECIFICATION FOR DESIGN AND CONSTRUCTION OF ORDINANCE 38 PROJECTS.
- FULL DEPTH PAVEMENT PATCHING SECTION SHALL MATCH THE PROJECT FULL DEPTH PAVEMENT SECTION.
- SEE ARCHITECTURAL/MEP PLANS FOR BUILDING 8 UTILITIES AND PROPANE PIPING.
- SEE ELECTRICAL PLANS FOR ELECTRICAL LAYOUT AND DETAILS.
- ALL PROPOSED CIVIL/SITE UTILITIES TERMINATE 5' FROM FACE OF PROPOSED OR EXISTING BUILDING.

MATCHLINE - SEE SHEET UT01

MATCHLINE - SEE SHEET UT01



GENERAL NOTES:

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE SUSSEX COUNTY STANDARD SPECIFICATIONS FOR DESIGN AND CONSTRUCTION OF ORDINANCE NO. 38 PROJECTS AND THE PROJECT TECHNICAL SPECIFICATIONS, IN CASE OF CONFLICT, THE PROJECT TECHNICAL SPECIFICATIONS SHALL GOVERN.
2. THE LOCATION OF ALL UNDERGROUND UTILITIES AND FEATURES SHOWN ARE APPROXIMATE ONLY AND NO GUARANTEE IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN ON THE PLAN. THE CONTRACTOR SHALL FIELD VERIFY BOTH HORIZONTAL AND VERTICAL LOCATIONS OF ALL EXISTING UTILITIES PRIOR TO BEGINNING ANY CONSTRUCTION AT NO ADDITIONAL COST. THE CONTRACTOR SHALL CONTACT MISS UTILITY (1-800-282-8555) PRIOR TO THE BEGINNING OF ANY CONSTRUCTION ACTIVITY.
3. BUTTRESSES NOT SHOWN. ALL BUTTRESSES TO BE CONSTRUCTED IN ACCORDANCE WITH THE SUSSEX COUNTY STANDARD SPECIFICATION FOR DESIGN AND CONSTRUCTION OF ORDINANCE 38 PROJECTS.
4. FULL DEPTH PAVEMENT PATCHING SECTION SHALL MATCH THE PROJECT FULL DEPTH PAVEMENT SECTION.
5. SEE ARCHITECTURAL/MEP PLANS FOR BUILDING 9 UTILITIES, AND PROPANE TANK AND PIPING.
6. SEE CONSTRUCTION DETAIL SHEET (BASE BID) DT04-BB FOR RV PAD UTILITY/SERVICE LAYOUT.
7. SEE ELECTRICAL PLANS FOR ELECTRICAL LAYOUT AND DETAILS.
8. ALL PROPOSED CIVIL/SITE UTILITIES TERMINATE 5' FROM FACE OF PROPOSED OR EXISTING BUILDING.

DUMP STATION WATER TOWER NOTES:

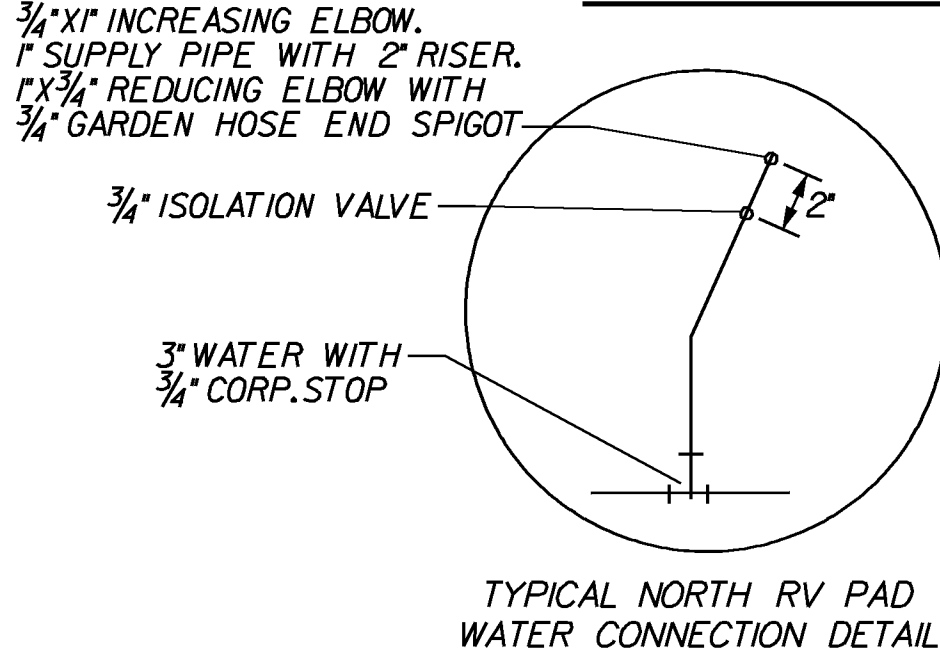
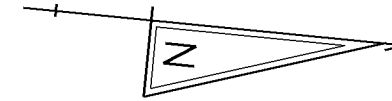
THE DUMP STATION WATER SHALL BE FREEZE PROOF.

1. WATER TOWER - MODEL FPWT-XL, MANUFACTURED BY TRUMBALL RECREATION SUPPLY.
2. ROMORT WATER TOWER, MANUFACTURED BY TOWER COMPANY, INC.
3. RV DUMP STATION WATER HOSE, MANUFACTURED BY RV PARK SUPPLIES.
4. APPROVED EQUAL.

ALL COST ASSOCIATED WITH FURNISHING AND INSTALLING THE DUMP STATION WATER TOWER SHALL BE INCLUDED IN ITEM 614686, WATER SERVICE SYSTEM.



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NORTH PROMENADE
ADD ALTERNATE #1

SEE ENLARGEMENT 'A'
THIS SHEET

BUILDING 5

1-34-2.00-1.00
UNITED STATES OF AMERICA
D.B. 311-486

BR3-156

PROPOSED WATER
64 LF 3" PVC

PROPOSED SHOWER TOWER
SEE MEP PLANS

PROPOSED OUTDOOR
SHOWERS

PROPOSED SHOWER TOWER
SEE MEP PLANS

PROPOSED WATER
64 LF 3" PVC

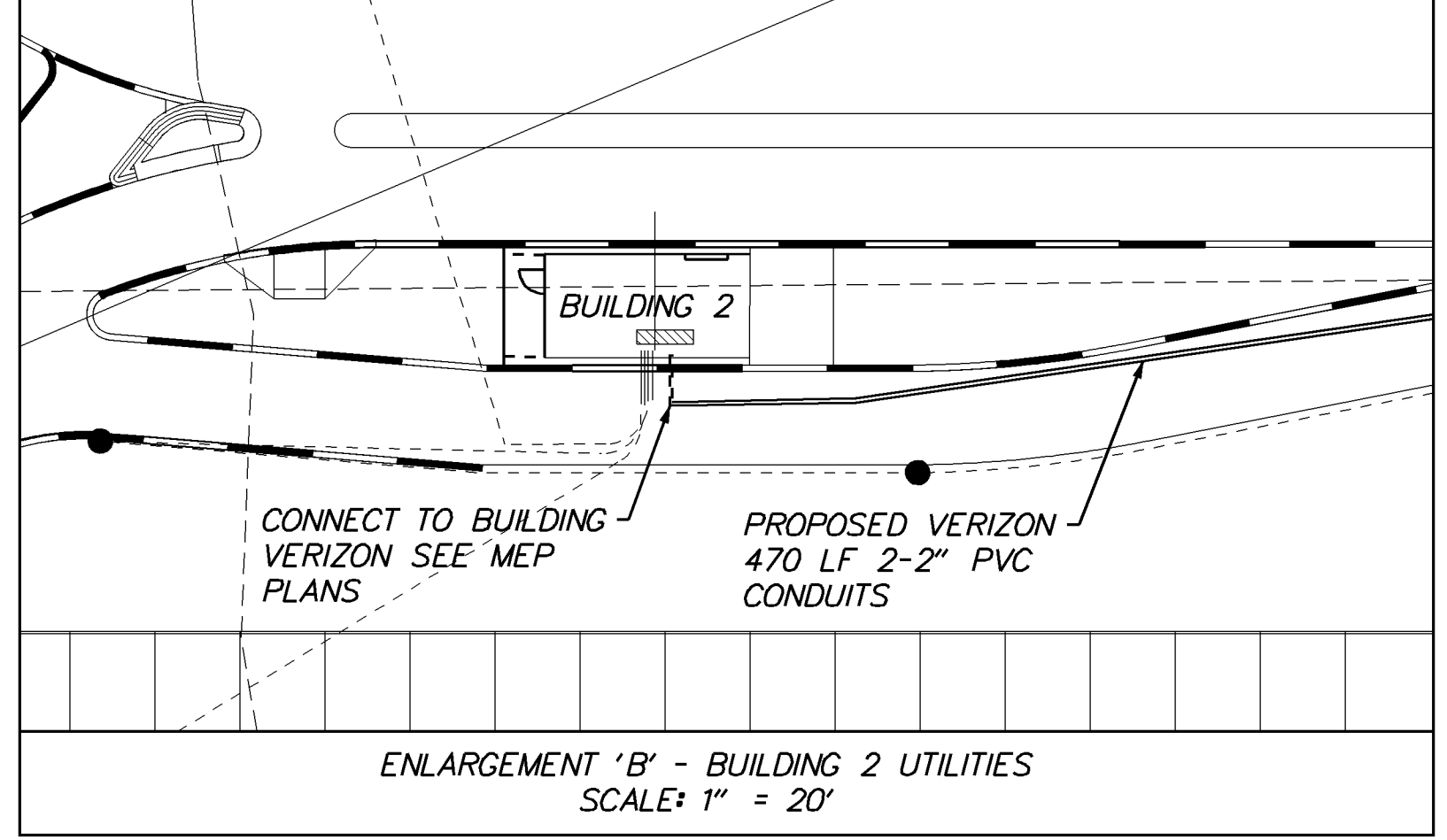
PROPOSED WATER
278 LF 3" PVC

3" VALVE AND
VALVE BOX

3" X 3" TEE

3" VALVE AND
VALVE BOX

3-34-25.00-11.00
STATE OF DELAWARE
DEPT. OF NATURAL RESOURCES
& ENVIRONMENTAL CONTROL
D.B. 2575-116
FORMERLY:
STATE OF DELAWARE PUBLIC LANDS
KNOWN AS PARCEL NO. 13-S



* CONTRACTOR TO FIELD VERIFY EXISTING SANITARY SYSTEM AND
VERIFY THE BUILDING PROPOSED SANITARY SYSTEM WILL PROVIDE
POSITIVE OUTFLOW. CONTRACTOR TO SUBMIT VERIFICATION TO
THE ENGINEER PRIOR TO BEGINNING CONSTRUCTION OR ORDERING
ANY MATERIAL ASSOCIATED WITH PROPOSED SANITARY SYSTEM

GENERAL NOTES:

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE SUSSEX COUNTY STANDARD SPECIFICATIONS FOR DESIGN AND CONSTRUCTION OF ORDINANCE NO. 38 PROJECTS AND THE PROJECT TECHNICAL SPECIFICATIONS, IN CASE OF CONFLICT, THE PROJECT TECHNICAL SPECIFICATIONS SHALL GOVERN.
2. THE LOCATION OF ALL UNDERGROUND UTILITIES AND FEATURES SHOWN ARE APPROXIMATE ONLY AND NO GUARANTEE IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN ON THE PLAN. THE CONTRACTOR SHALL FIELD VERIFY BOTH HORIZONTAL AND VERTICAL LOCATIONS OF ALL EXISTING UTILITIES PRIOR TO BEGINNING ANY CONSTRUCTION AT NO ADDITIONAL COST. THE CONTRACTOR SHALL CONTACT MISS UTILITY (1-800-282-8555) PRIOR TO THE BEGINNING OF ANY CONSTRUCTION ACTIVITY.
3. BUTTRESSES NOT SHOWN. ALL BUTTRESSES TO BE CONSTRUCTED IN ACCORDANCE WITH THE SUSSEX COUNTY STANDARD SPECIFICATION FOR DESIGN AND CONSTRUCTION OF ORDINANCE 38 PROJECTS.
4. FULL DEPTH PAVEMENT PATCHING SECTION SHALL MATCH THE PROJECT FULL DEPTH PAVEMENT SECTION.
5. SEE ARCHITECTURAL/MEP PLANS FOR BUILDING 2 AND 5 UTILITIES.
6. SEE CONSTRUCTION DETAIL SHEET (BASE BID) DT04-BB FOR RV PAD AND RV HOST PAD UTILITY SERVICE LAYOUT.
7. SEE ELECTRICAL PLANS FOR ELECTRICAL LAYOUT AND DETAILS.
8. ALL PROPOSED CIVIL/SITE UTILITIES TERMINATE 5' FROM FACE OF PROPOSED OR EXISTING BUILDING.
9. SEE UTILITY RELOCATION DETAILS FOR VERIZON DIRECT BURIED CONDUIT DETAIL.

3/14/2013 10:08:55 AM
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DELAWARE
DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS



INDIAN RIVER INLET
PARK ENHANCEMENTS

CONTRACT	BRIDGE NO.	X
T200507303	DESIGNED BY: RK&K	
COUNTY	CHECKED BY: RK&K	
SUSSEX		

UTILITY RELOCATION PLAN
(WATER, SEWER, VERIZON)

UT05

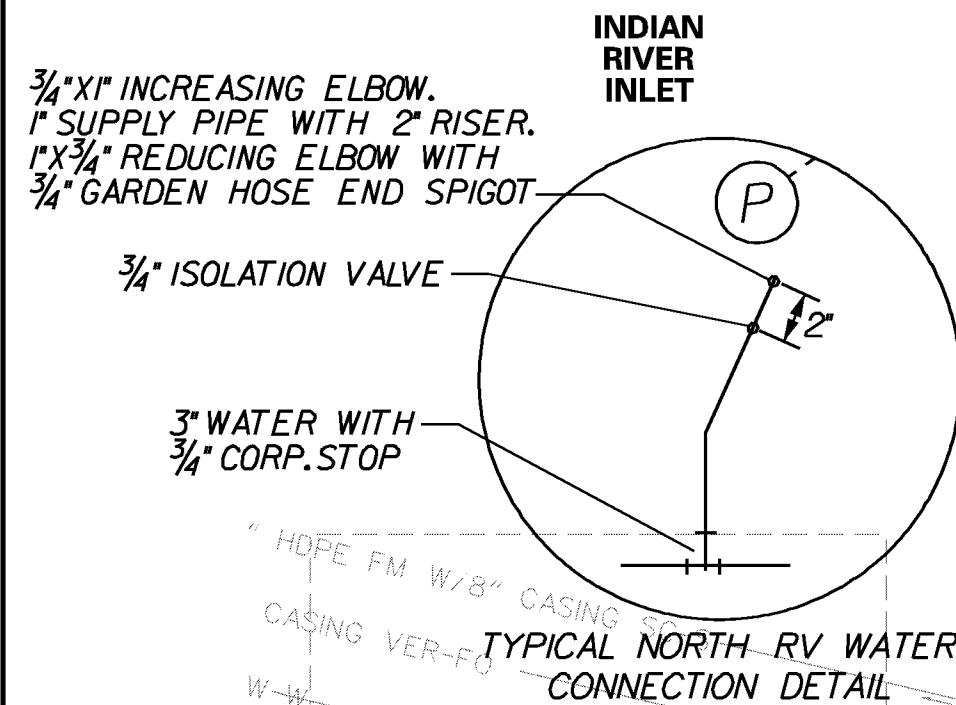
SHEET NO.

172

TOTAL SHTS.

282

1-34-2.00-1.00
UNITED STATES OF AMERICA
D.B. 311-486



PROPOSED WATER
310 LF 3" PVC

NORTH PROMENADE
ADD ALTERNATE 2

PROPOSED WATER
310 LF 3" PVC

PROPOSED WATER VALVE

COAST GUARD STATION
INDIAN RIVER
BOAT SLIPS

U.S. COAST
GUARD

FISHERMANS PARKING LOT
ADD ALTERNATE 3

PROPOSED WATER
310 LF 3" PVC

PROPOSED WATER
403 LF 3" PVC

WATER VALVE

PROPOSED WATER
513 LF 3" PVC

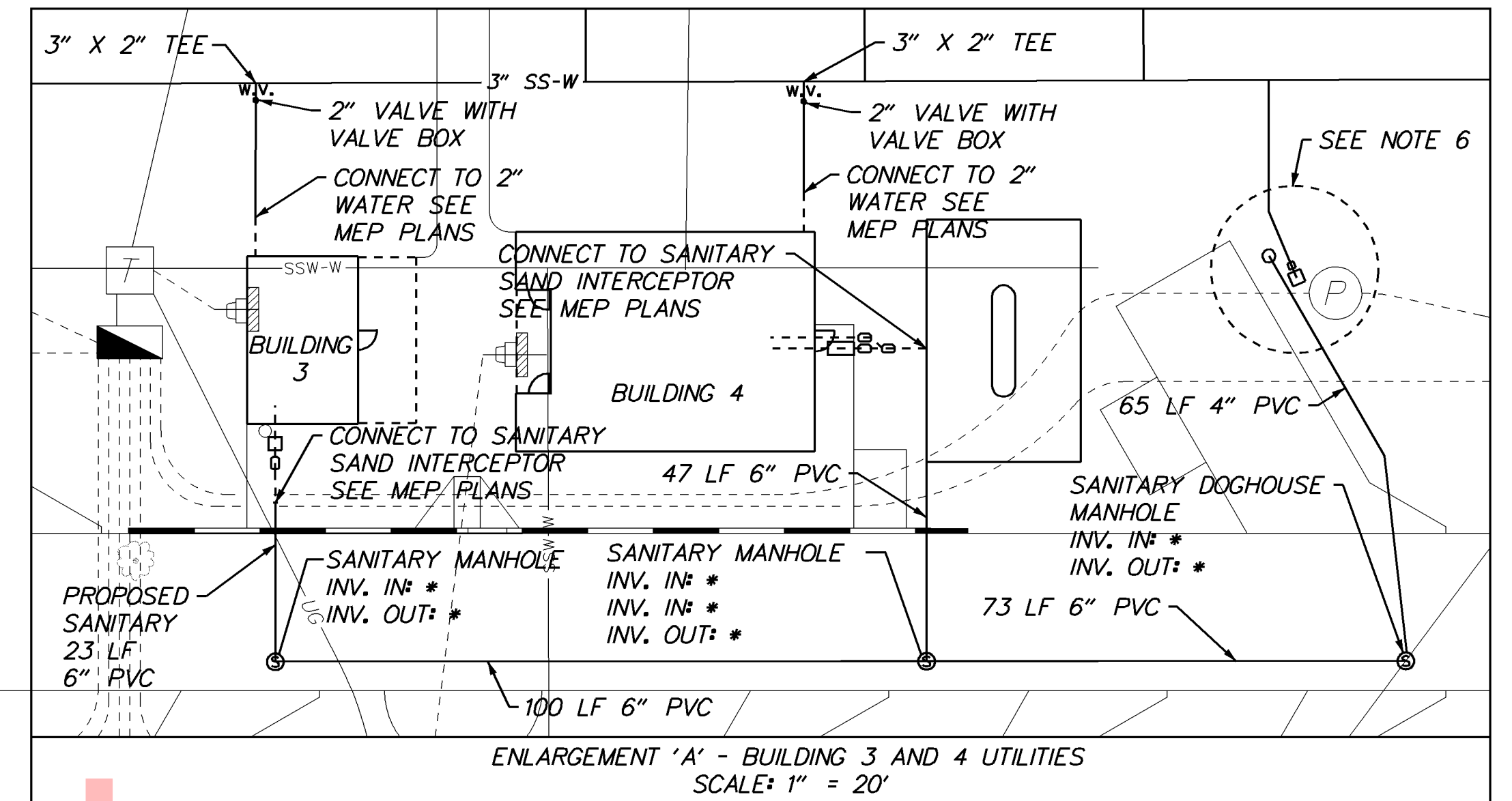
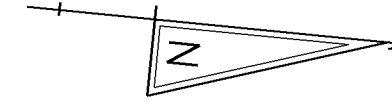
BUILDING 4

BUILDING 3

RV SPOTS

SEE ENLARGEMENT 'A'
THIS SHEET

MATCHLINE - SEE SHEET UT04



* CONTRACTOR TO FIELD VERIFY EXISTING SANITARY SYSTEM AND VERIFY THE BUILDING PROPOSED SANITARY SYSTEM WILL PROVIDE POSITIVE OUTFLOW. CONTRACTOR TO SUBMIT VERIFICATION TO THE ENGINEER PRIOR TO BEGINNING CONSTRUCTION OR ORDERING ANY MATERIAL ASSOCIATED WITH PROPOSED SANITARY SYSTEM

GENERAL NOTES:

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE SUSSEX COUNTY STANDARD SPECIFICATIONS FOR DESIGN AND CONSTRUCTION OF ORDINANCE NO. 38 PROJECTS AND THE PROJECT TECHNICAL SPECIFICATIONS, IN CASE OF CONFLICT, THE PROJECT TECHNICAL SPECIFICATIONS SHALL GOVERN.
- THE LOCATION OF ALL UNDERGROUND UTILITIES AND FEATURES SHOWN ARE APPROXIMATE ONLY AND NO GUARANTEE IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN ON THE PLAN. THE CONTRACTOR SHALL FIELD VERIFY BOTH HORIZONTAL AND VERTICAL LOCATIONS OF ALL EXISTING UTILITIES PRIOR TO BEGINNING ANY CONSTRUCTION AT NO ADDITIONAL COST. THE CONTRACTOR SHALL CONTACT MISS UTILITY (1-800-282-8555) PRIOR TO THE BEGINNING OF ANY CONSTRUCTION ACTIVITY.
- BUTTRESSES NOT SHOWN. ALL BUTTRESSES TO BE CONSTRUCTED IN ACCORDANCE WITH THE SUSSEX COUNTY STANDARD SPECIFICATION FOR DESIGN AND CONSTRUCTION OF ORDINANCE 38 PROJECTS.
- FULL DEPTH PAVEMENT PATCHING SECTION SHALL MATCH THE PROJECT FULL DEPTH PAVEMENT SECTION.
- SEE ARCHITECTURAL/MEP PLANS FOR BUILDING 3 AND 4 UTILITIES, PROPANE TANKS AND PIPING.
- SEE CONSTRUCTION DETAIL SHEET (BASE BID) DT04-BB FOR RV PAD AND RV HOST PAD UTILITY/SERVICE LAYOUT.
- SEE ELECTRICAL PLANS FOR ELECTRICAL LAYOUT AND DETAILS.
- ALL PROPOSED CIVIL/SITE UTILITIES TERMINATE 5' FROM FACE OF PROPOSED OR EXISTING BUILDING.

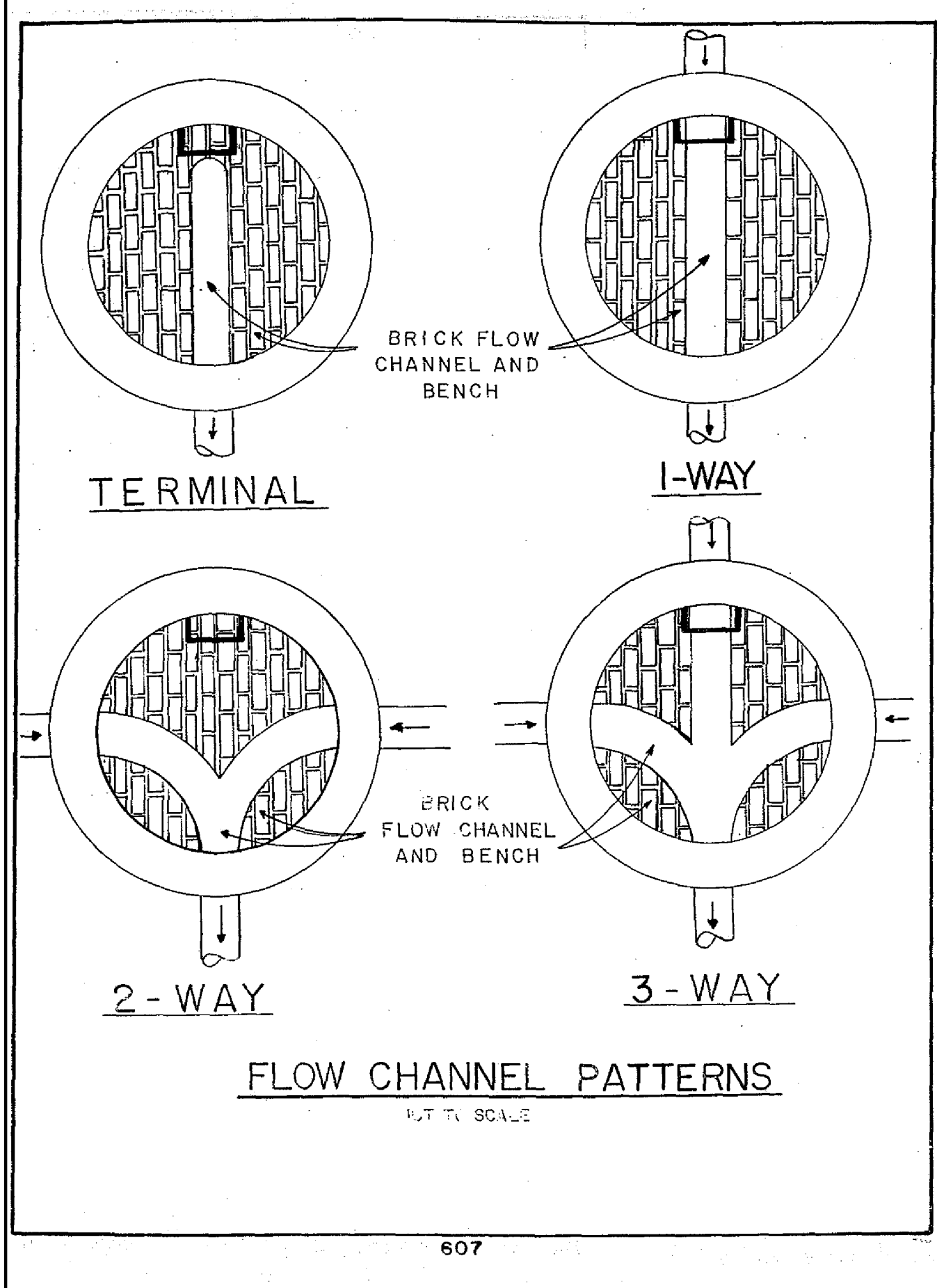
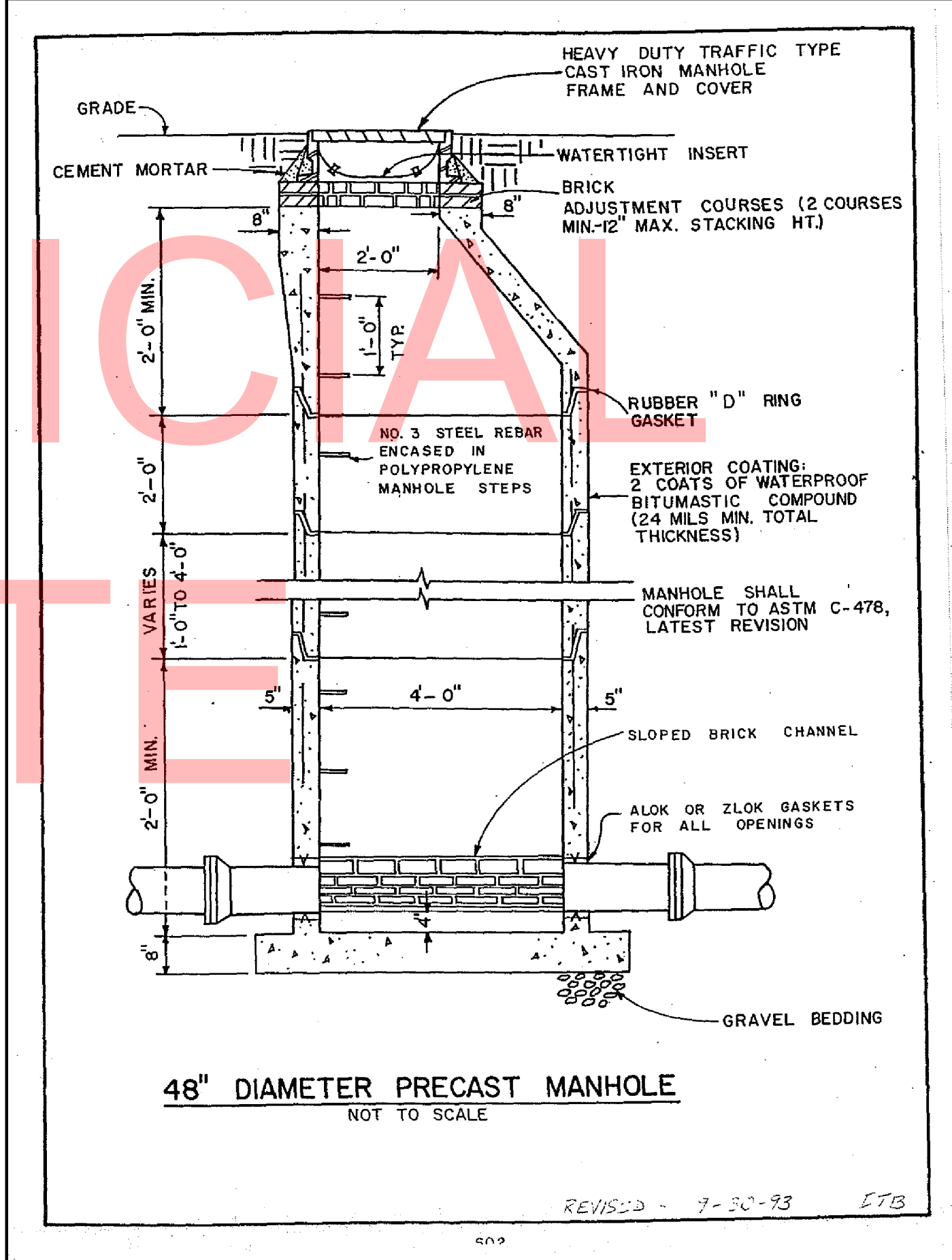
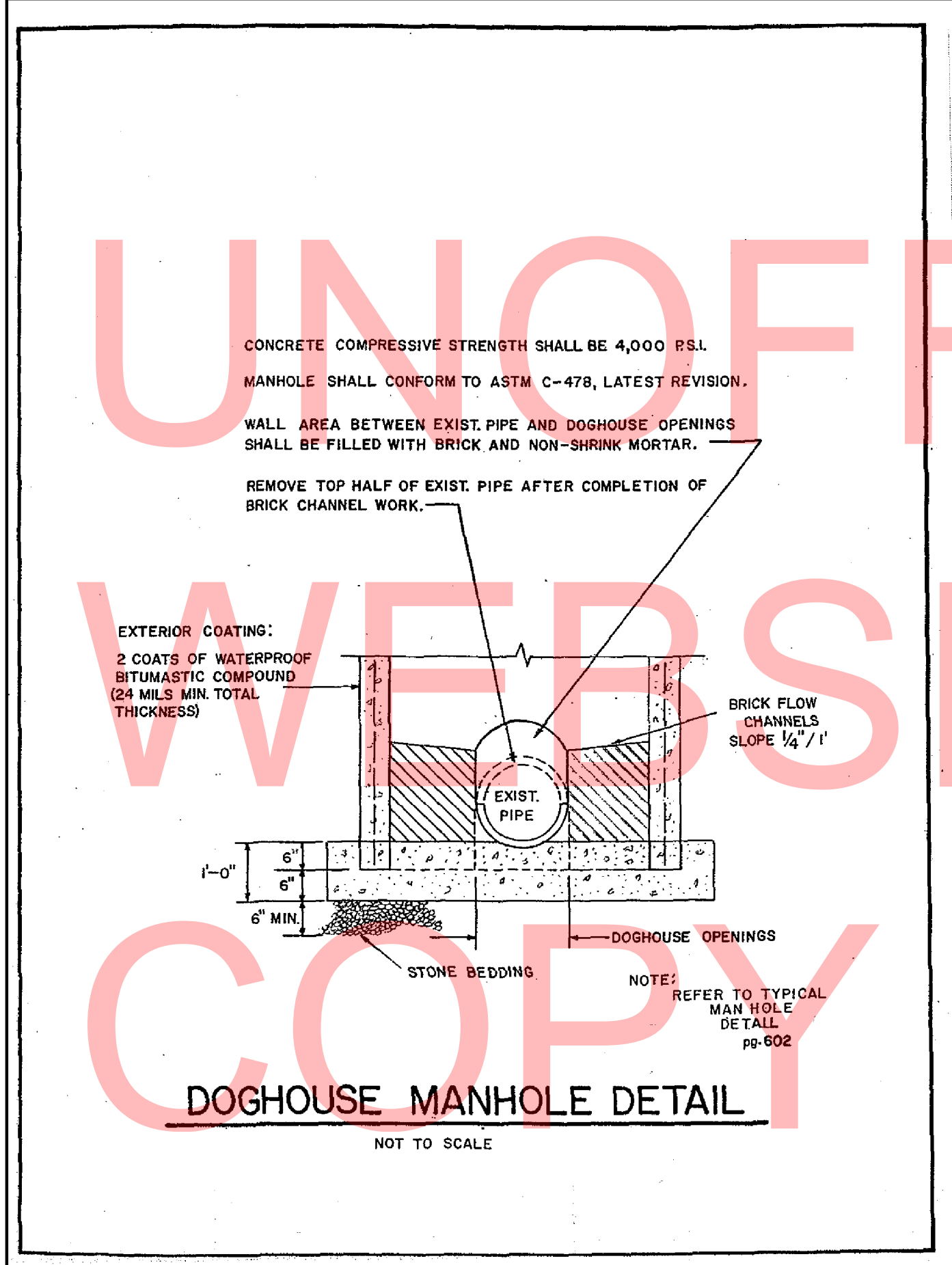
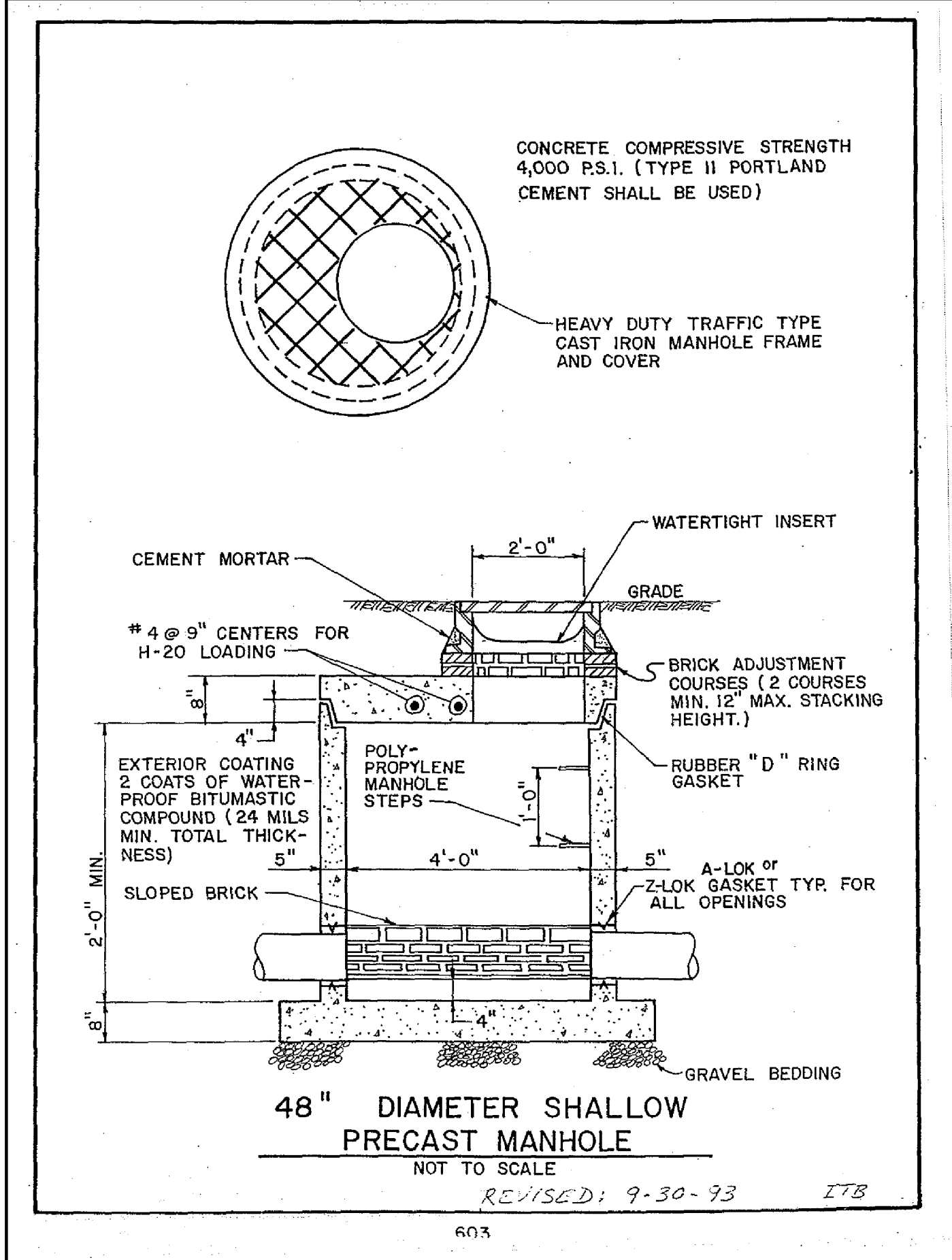
DUMP STATION WATER TOWER NOTES:

THE DUMP STATION WATER SHALL BE FREEZE PROOF.

- WATER TOWER - MODEL FPWT-XL, MANUFACTURED BY TRUMBALL RECREATION SUPPLY.
- ROMORT WATER TOWER, MANUFACTURED BY TOWER COMPANY, INC.
- RV DUMP STATION WATER HOSE, MANUFACTURED BY RV PARK SUPPLIES.
- APPROVED EQUAL.

ALL COST ASSOCIATED WITH FURNISHING AND INSTALLING THE DUMP STATION WATER TOWER SHALL BE INCLUDED IN ITEM 614686, WATER SERVICE SYSTEM.

1/31/2013 11:46:51 AM \\BALSRV02\\22009\\2009\\09020_IRP\\CADD\\CONTRACTNUMBER\\PLANS\\CP_UT06_IRP.DGN



DELAWARE
DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

NOT TO SCALE

INDIAN RIVER INLET
PARK ENHANCEMENTS

CONTRACT
T200507303
COUNTY
SUSSEX

BRIDGE NO.
DESIGNED BY: RK&K
CHECKED BY: RK&K

X

UTILITY RELOCATION
DETAILS
(WATER, SEWER, AND VERIZON)

UT06

SHEET NO.
173
TOTAL SHTS.
282

SEWER MAIN

TRAVEL TRAILER

TRAVEL TRAILER

NOTE:

1. ALL SEPTIC TANKS **MUST** BE PUMPED OUT AND FILLED.
2. **MUST** USE SNAP CAP (MANUFACTURED BY MWSS, INC., HOLLYWOOD, FLORIDA) OR APPROVED EQUAL, OR 4" J PLUG

CLEAN OUT W/METAL COVER (NO COVER W/CONC. PAD IN TRAFFIC AREA.)

GRADE

8" SEWER MAIN (TYP.)

4" PVC - SDR-35

2" MIN SLOPE

45° BEND TYP.

WASTE BRANCH

PLUG OR CAP

3' 5" DEEP

1/8" - FT. FALL

2" PVC - SDR-35

5' STUB

90° ELBOW

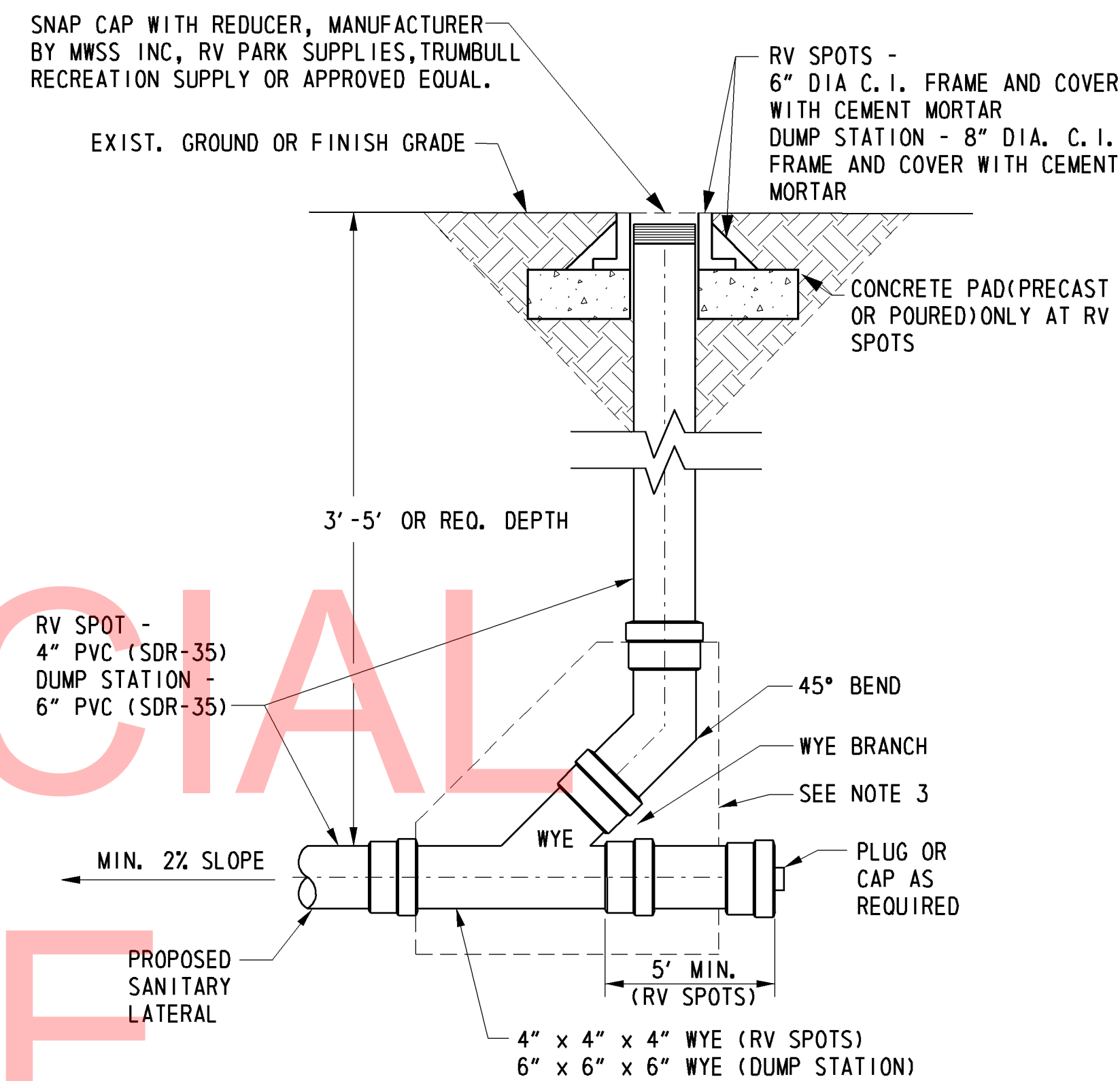
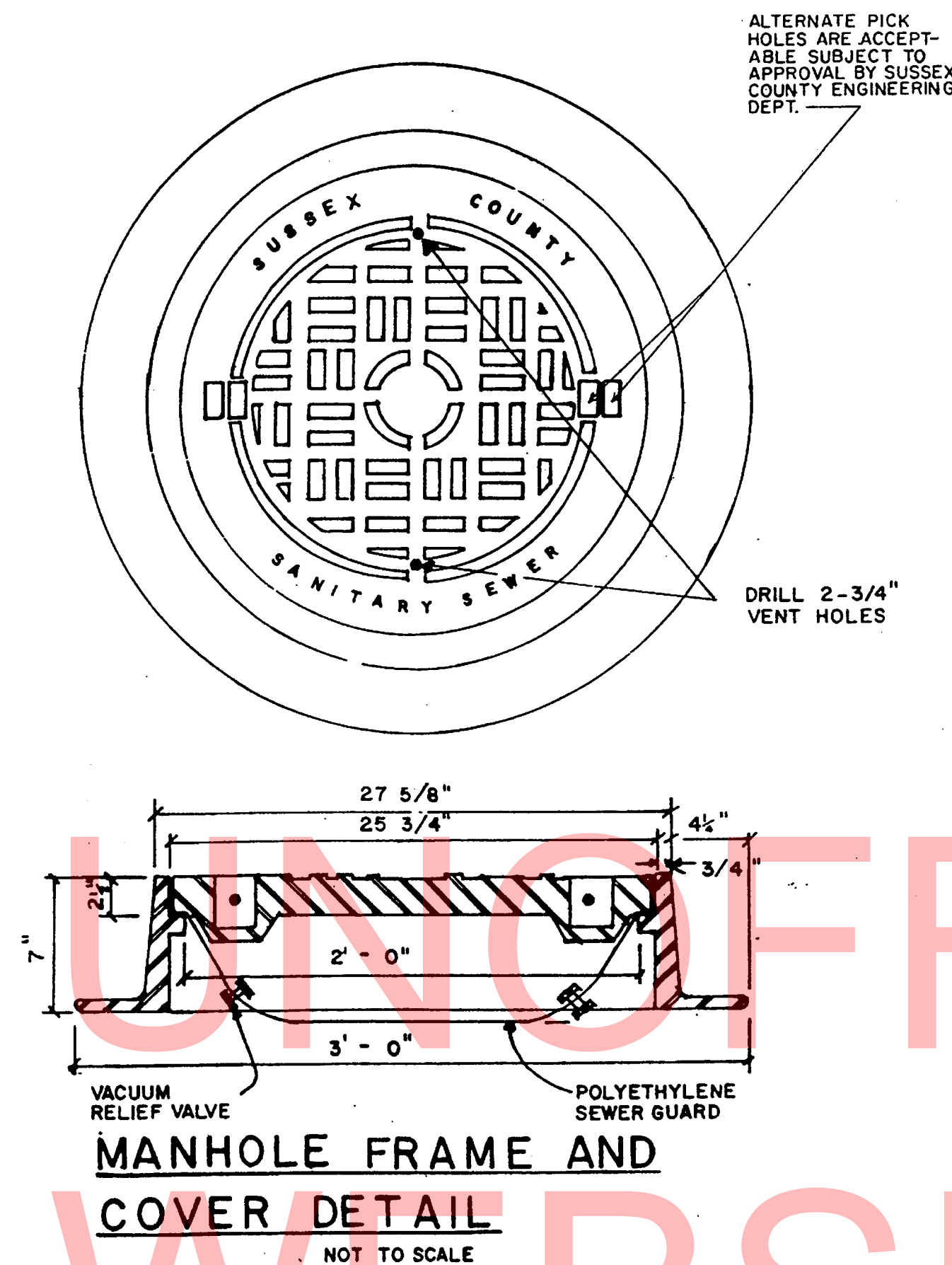
SLOPED CONC. PAD

SNAP CAP (SEE NOTE) w/reducer

UNIVERSAL ADAPTER

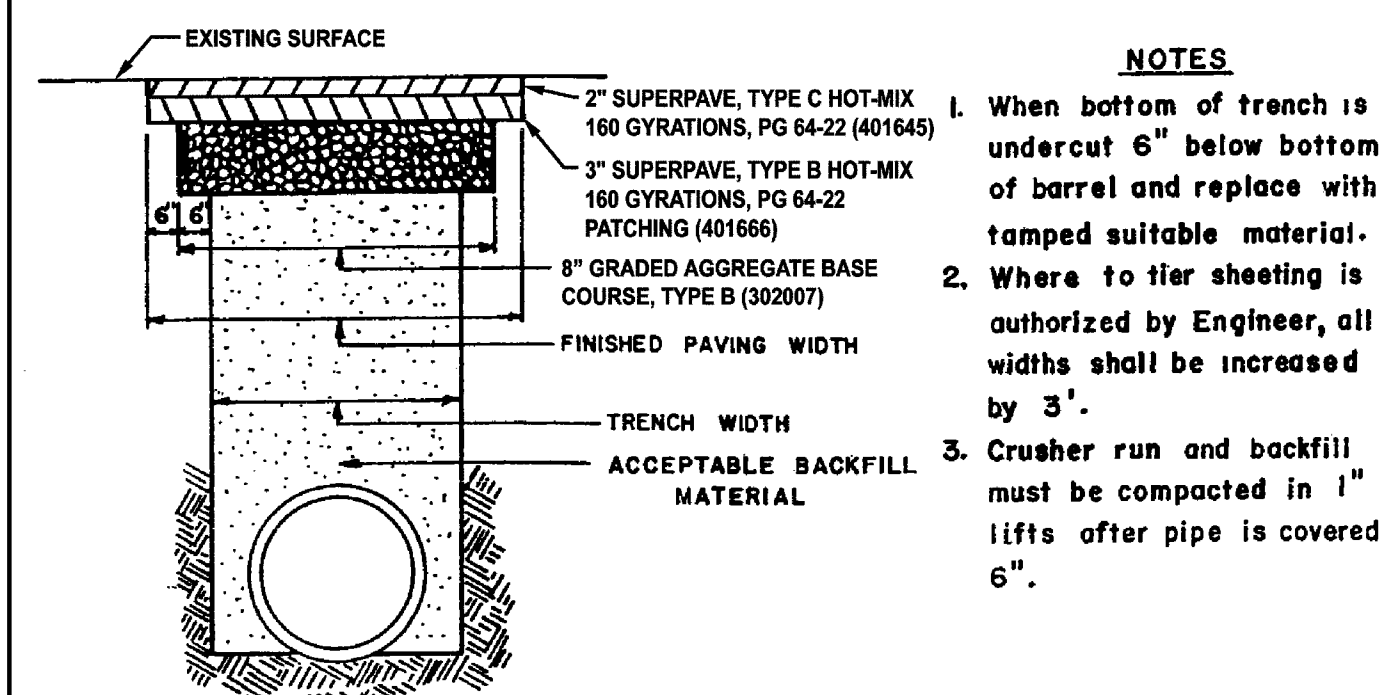
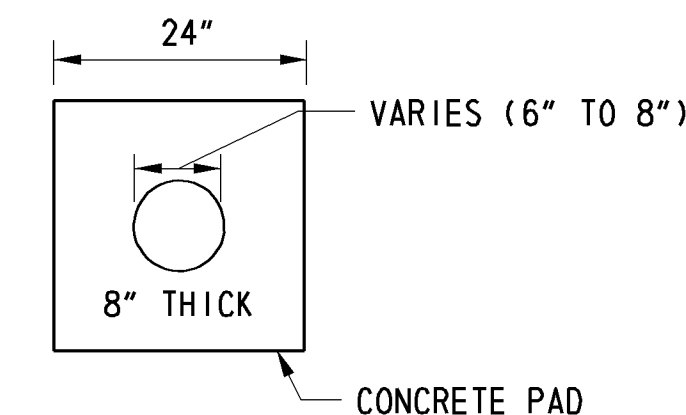
3" FLEXIBLE SEWER HOSE (SUPPORTED IF NEEDED)

90° UNIVERSAL ADAPTER (THREADED OR USE A 3" RUBBER SEWER RING.)



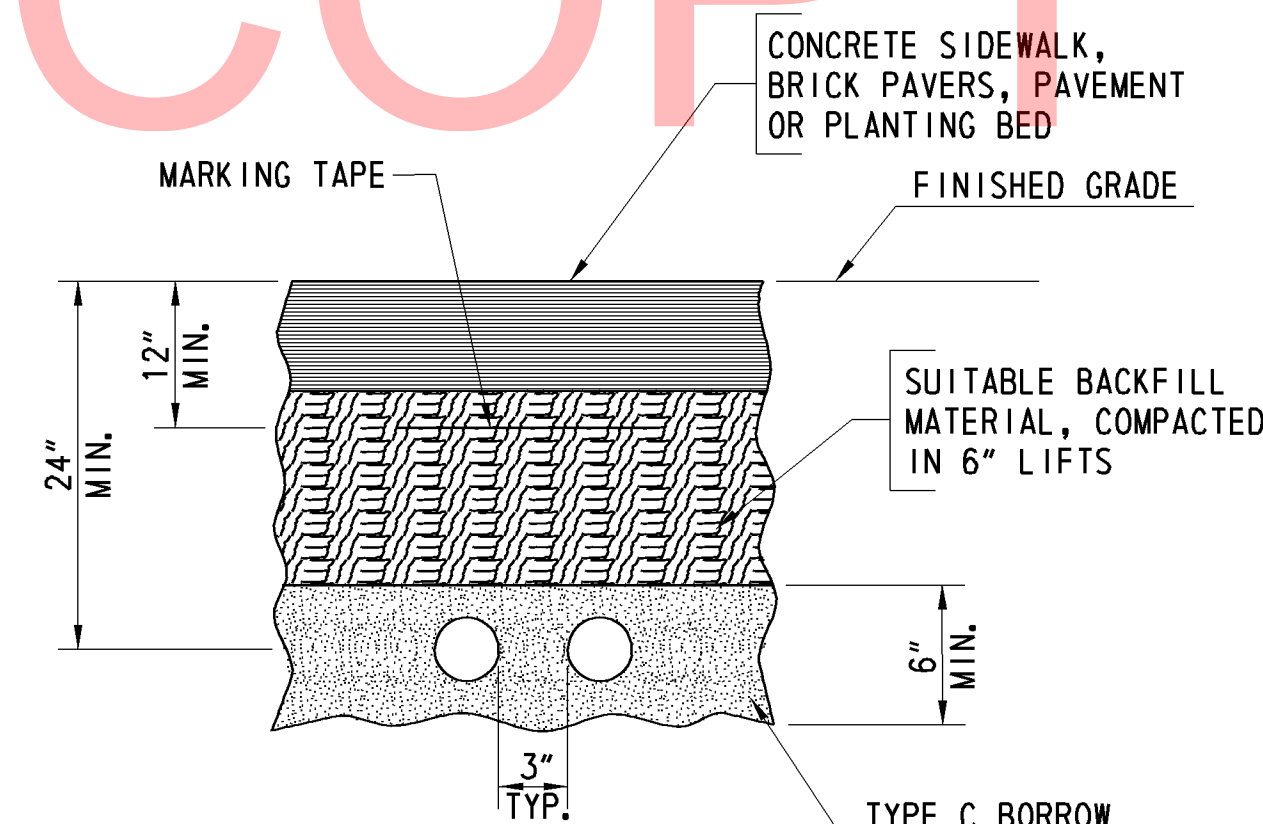
NOTES:

1. C.O. NOT TO BE LOCATED IN DITCH, SWALE, ETC.
2. MAINTAIN 10' MIN. SEPERATION BETWEEN WATER & SEWER LINES.
3. 3,000 PSI CONCRETE BUTTRESS FOR HEAVY TRAFFIC AREAS AT INSPECTORS DISCRETION.



PIPE DIAMETER	TRENCH WIDTH	CRUSHER RUN PAVING WIDTH	FINISHED PAVING WIDTH
6"	36"	48"	60"
8"	36"	48"	60"
10"	36"	48"	60"
12"	36"	48"	60"
15"(Includes 16")	36"	48"	60"
18"	42"	54"	66"
21"(Includes 20")	42"	54"	66"
24"	48"	60"	72"
27"	60"	72"	84"
30"	60"	72"	84"
33"	66"	78"	90"
36"	66"	78"	90"
42"	78"	90"	102"
48"	84"	96"	108"
54"	96"	108"	120"
60"	102"	114"	126"
66"	108"	120"	132"
72"	120"	132"	144"
78"	132"	144"	156"
84"	138"	150"	162"
90"	144"	156"	168"
102"	156"	168"	180"
108"	168"	180"	192"

SANITARY SEWER DETAILS
TRENCH PAYMENT WIDTH



VERIZON DIRECT BURIED CONDUIT DETAIL

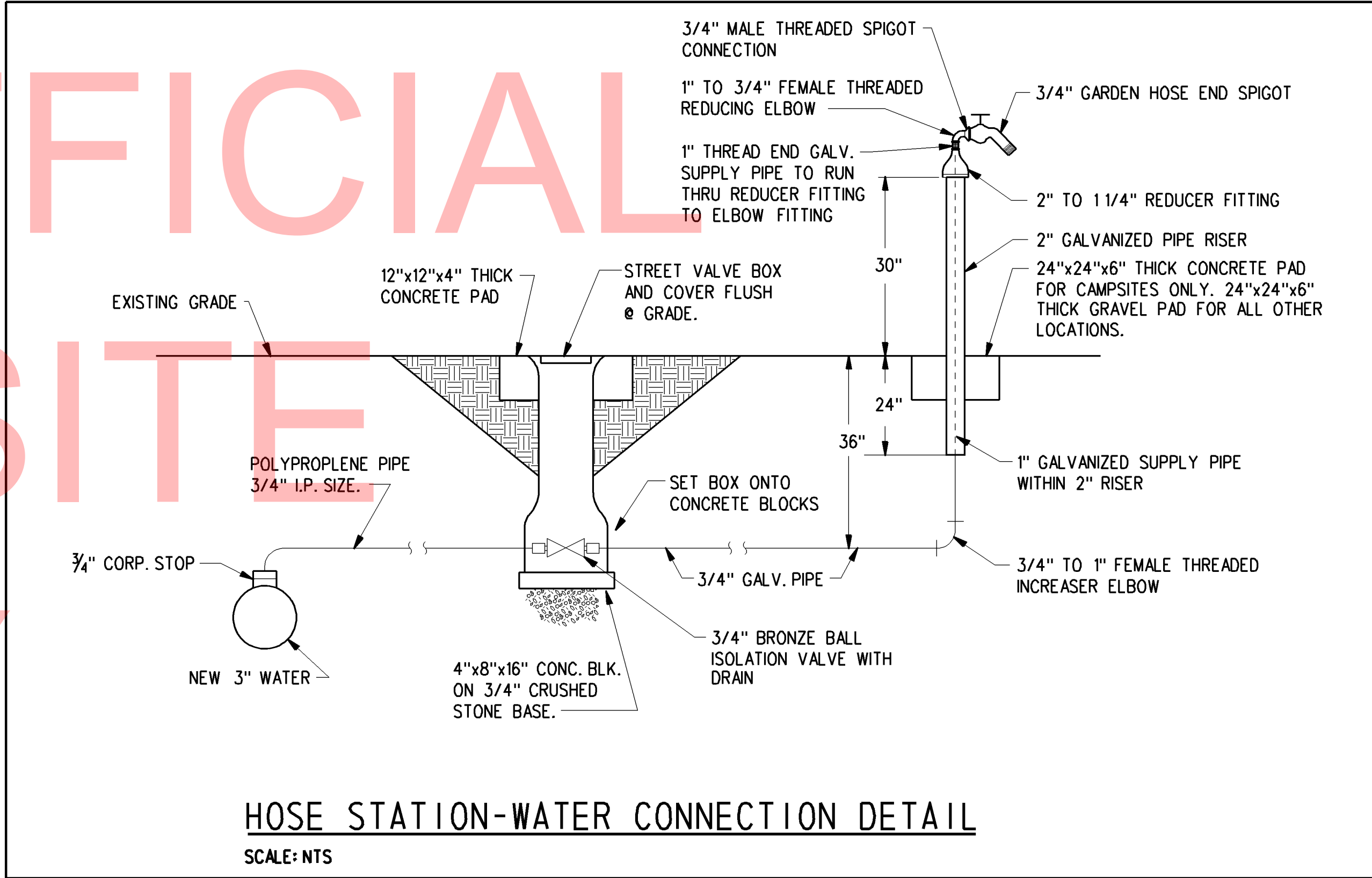
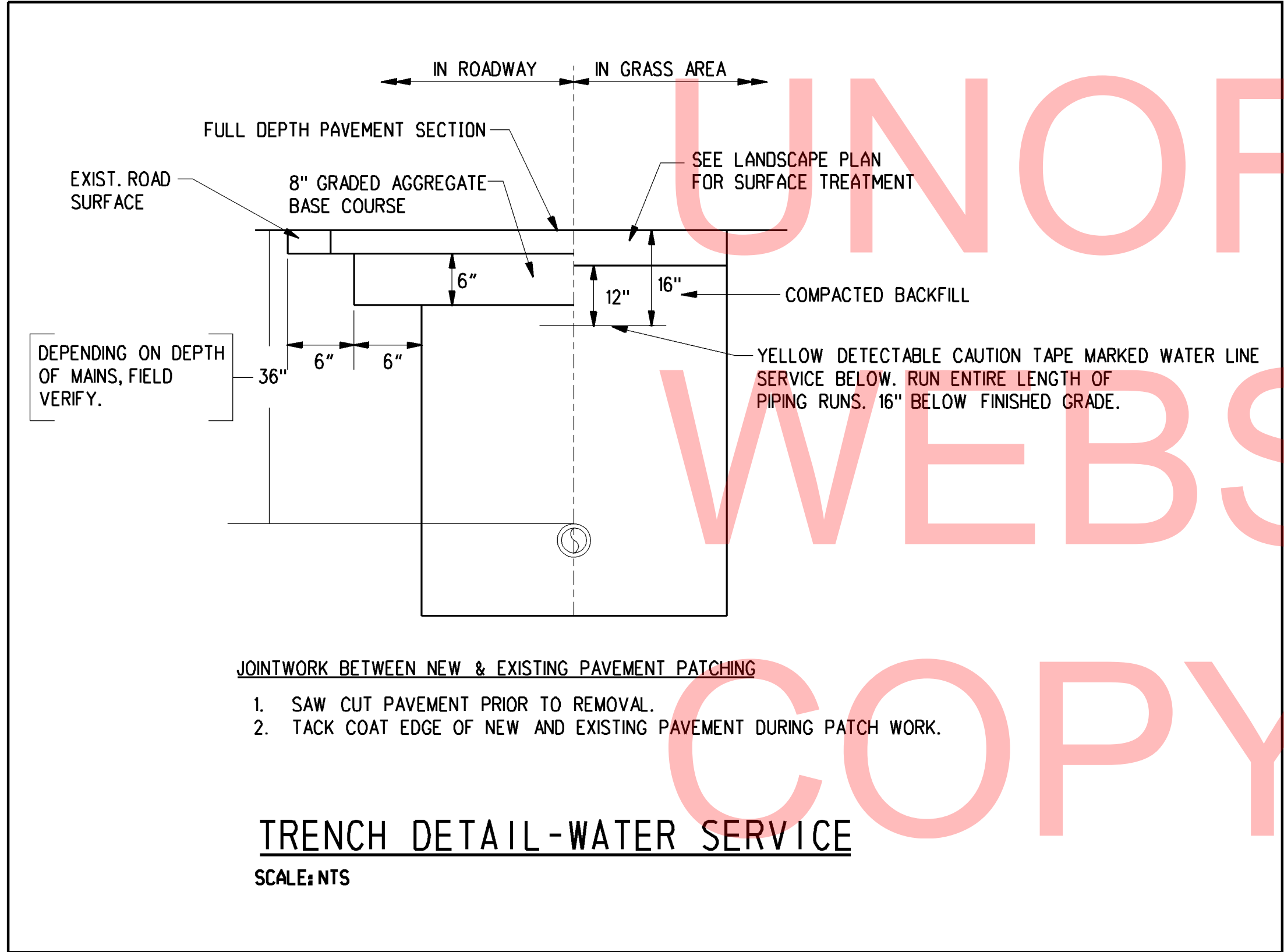
NOT TO SCALE

NOT TO SCALE


INDIAN RIVER INLET PARK ENHANCEMENTS

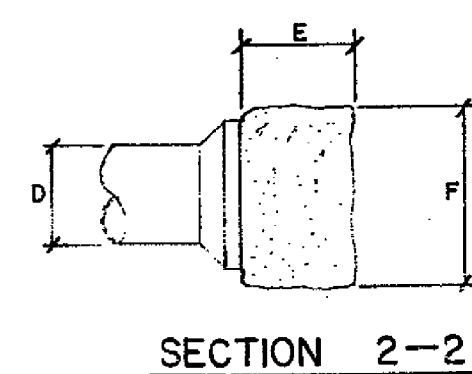
CONTRACT	BRIDGE NO.	
T200507303	DESIGNED BY: RK&K	
COUNTY		
SUSSEX	CHECKED BY: RK&K	

**UTILITY RELOCATION
DETAILS
(WATER, SEWER, AND VERIZON)**



1/31/2013 8:56:02 AM
\\BALSRV02\\2009\\2009\\09020_IRP\\CADD\\CONTRACT\\NUMBER\\PLANS\\CP_UT08_IRP.DGN

 DELAWARE DEPARTMENT OF TRANSPORTATION		ADDENDUMS / REVISIONS		NOT TO SCALE	INDIAN RIVER INLET PARK ENHANCEMENTS	CONTRACT		BRIDGE NO.	X	UTILITY RELOCATION DETAILS (WATER, SEWER, AND VERIZON)	UT08
						T200507303		SHEET NO.			
						COUNTY	DESIGNED BY: RK&K				175
						SUSSEX	CHECKED BY: RK&K				TOTAL SHTS.
									282		



PLAN BENDS SECTION 3-3

WATER MAIN BUTTRESS DETAILS

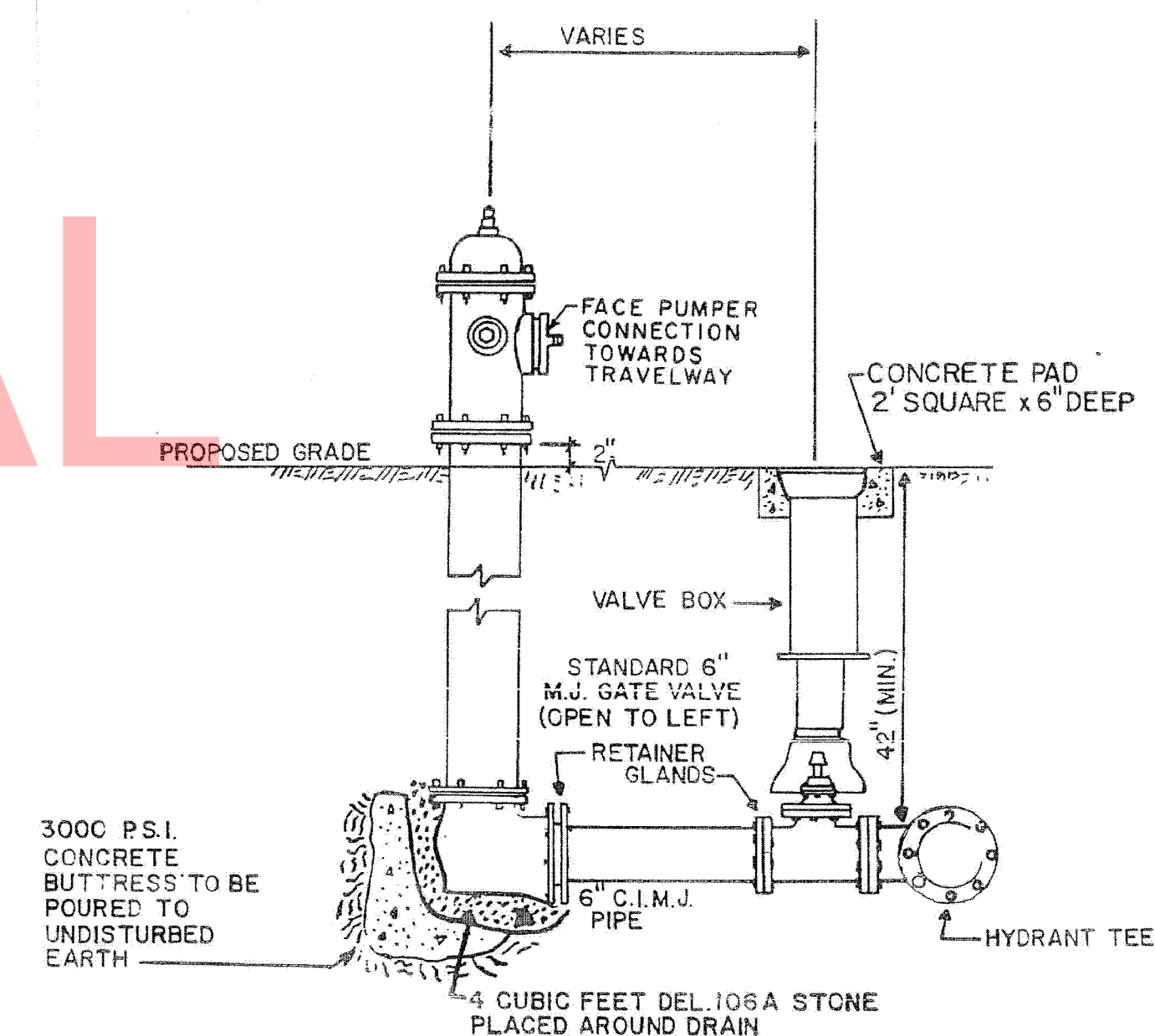
NOT TO SCALE

BUTTRESS DIMENSIONS				
D		4"	6"	8"
90° BEND	A	2-0	2-0	2-6
	B	0-6	0-6	0-9
	C	1-10	1-10	1-9
45° BEND	A	1-3	1-3	1-8
	B	0-7	0-7	0-8
	C	0-8	0-8	0-9
22-1/2° BEND	A	0-9	0-9	1-0
	B	0-7	0-7	0-8
	C	0-8	0-8	0-9
11-1/4° BEND	A	0-6	0-6	0-8
	B	0-7	0-7	0-8
	C	0-7	0-7	0-7
PLUGS	E	0-6	0-6	0-8
	F	1-0	1-0	1-4
	G	1-5	1-5	1-11
TEES	H	0-8	0-8	0-9
	I	0-8	0-8	0-10
	J	0-7	0-7	0-9
	K	0-6	0-6	0-8

NOTES :

1. All concrete to have a minimum compressive strength of 3000 PSI.
2. Buttress dimensions given are minimum dimensions based upon 3000 PSI soil bearing capacity and 150 PSI internal pipe pressure.
3. All concrete shall be carried to undisturbed earth.

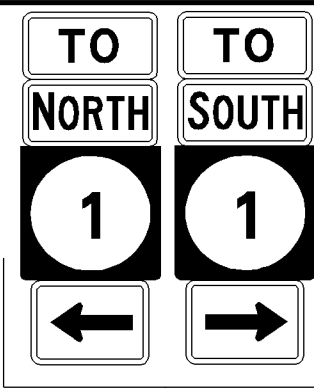
614



FIRE HYDRANT DETAIL

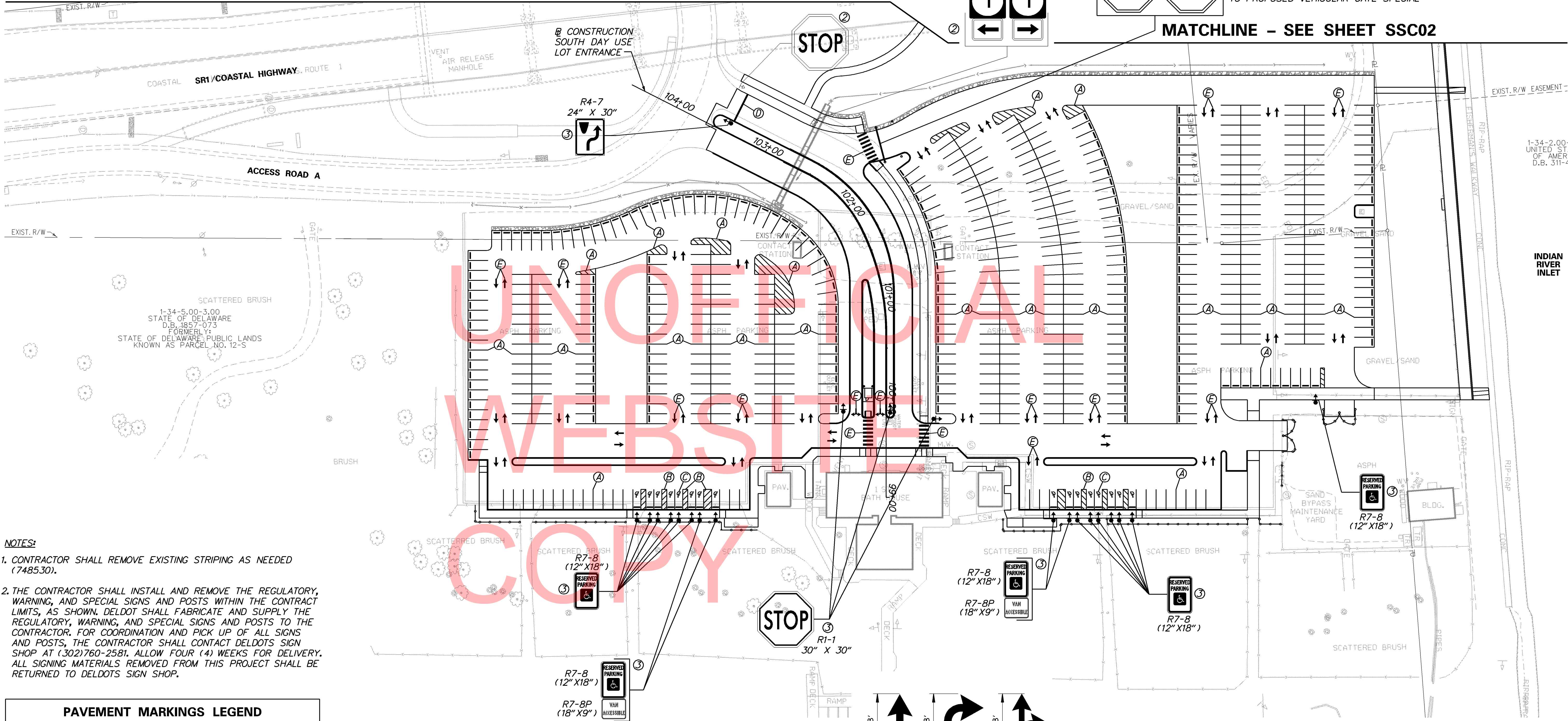
NOT TO SCALE

MATCHLINE - SEE SHEET SSC02



R1-1
(30" X 30")
PROPOSED R1-1 INSTALLED BACK TO BACK
TO PROPOSED VEHICULAR GATE SPECIAL

MATCHLINE - SEE SHEET SSC02

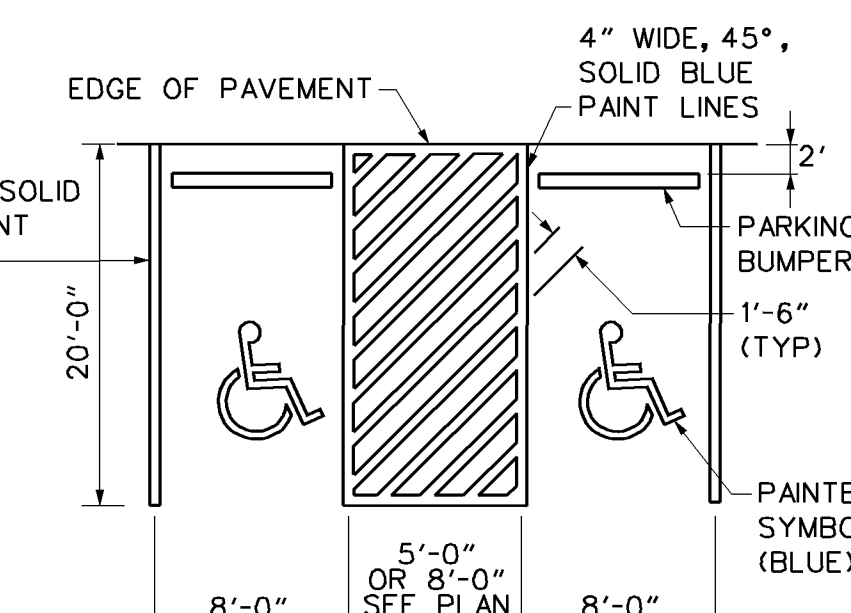
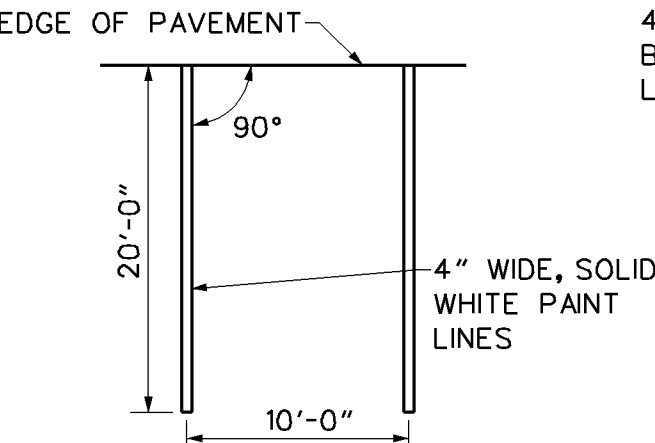
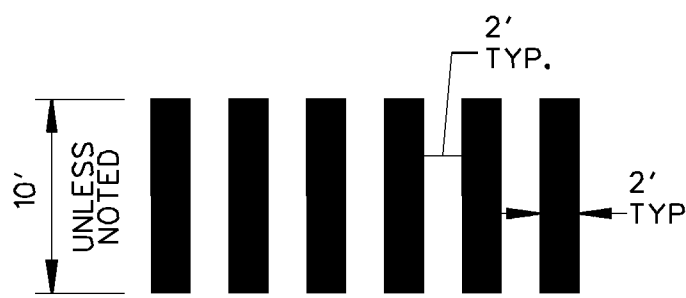
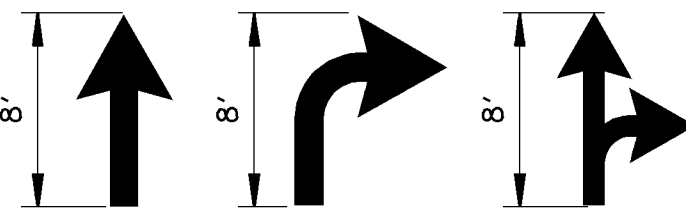


- NOTES:**
- CONTRACTOR SHALL REMOVE EXISTING STRIPING AS NEEDED (748530).
 - THE CONTRACTOR SHALL INSTALL AND REMOVE THE REGULATORY, WARNING, AND SPECIAL SIGNS AND POSTS WITHIN THE CONTRACT LIMITS, AS SHOWN. DELDOT SHALL FABRICATE AND SUPPLY THE REGULATORY, WARNING, AND SPECIAL SIGNS AND POSTS TO THE CONTRACTOR. FOR COORDINATION AND PICK UP OF ALL SIGNS AND POSTS, THE CONTRACTOR SHALL CONTACT DELDOTS SIGN SHOP AT (302)760-2581. ALLOW FOUR (4) WEEKS FOR DELIVERY. ALL SIGNING MATERIALS REMOVED FROM THIS PROJECT SHALL BE RETURNED TO DELDOTS SIGN SHOP.

PAVEMENT MARKINGS LEGEND	
SYMBOL	ITEM
(A)	4" WHITE PAINT (ITEM 748001)
(B)	4" BLUE PAINT (ITEM 748001)
(C)	BLUE SYMBOL PAINT (ITEM 748003)
(D)	16" WHITE PAINT (ITEM 748003)
(E)	WHITE SYMBOL PAINT (ITEM 748003)
(F)	4" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 748506)
(G)	4" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 748506)
(H)	WHITE SYMBOL ALKYD-THERMOPLASTIC (ITEM 748015)

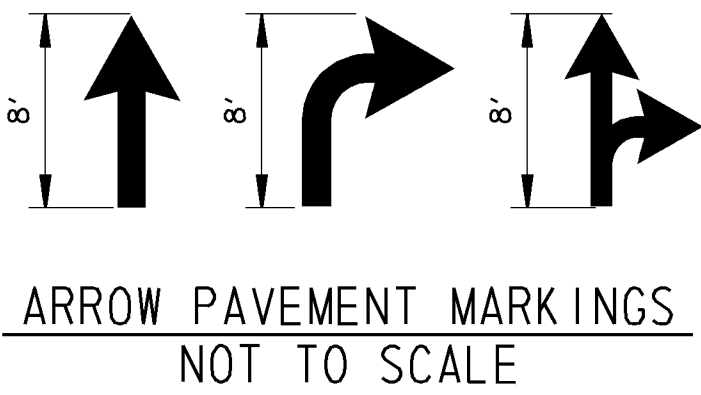
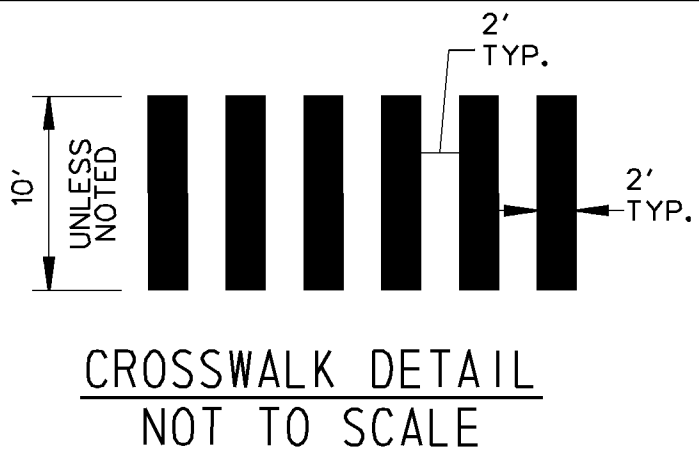
SIGNING LEGEND	
①	REMOVE EXISTING SIGN
②	EXISTING SIGN TO REMAIN
③	PLACE NEW SIGN
④	RENEW EXISTING SIGN
⑤	REPOSITION EXISTING SIGN

- SIGN NOTES:**
- ALL ACCESSIBLE SIGNS SHALL BE 60" MINIMUM ABOVE THE GROUND SURFACE MEASURED TO THE BOTTOM OF THE SIGN.
 - ALL REGULATORY SIGNS SHALL BE 84" MINIMUM ABOVE THE NEAREST EDGE OF PAVEMENT MEASURED TO THE BOTTOM OF THE SIGN.
 - ALL SIGNS SHALL BE FURNISHED BY DELDOT AND INSTALLED BY THE CONTRACTOR.



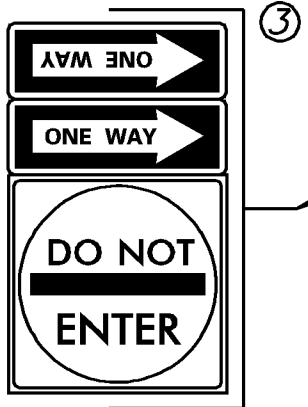
PAVEMENT MARKINGS LEGEND	
SYMBOL	ITEM
(A)	4" WHITE PAINT (ITEM 748001)
(B)	4" BLUE PAINT (ITEM 748001)
(C)	BLUE SYMBOL PAINT (ITEM 748003)
(D)	16" WHITE PAINT (ITEM 748003)
(E)	WHITE SYMBOL PAINT (ITEM 748003)
(F)	4" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 748506)
(G)	4" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 748506)
(H)	WHITE SYMBOL ALKYD-THERMOPLASTIC (ITEM 748015)
(J)	4" SOLID DOUBLE YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748506)

SIGNING LEGEND	
①	REMOVE EXISTING SIGN
②	EXISTING SIGN TO REMAIN
③	PLACE NEW SIGN
④	RENEW EXISTING SIGN
⑤	REPOSITION EXISTING SIGN



R6-1R
36" X 12"

R5-1
30" X 30"



R7-8
(12" X 18")

R7-8P
(18" X 9")



R7-8
(12" X 18")

R7-8P
(18" X 9")

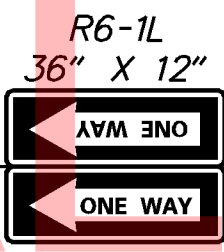


R6-1R
36" X 12"

R5-1
30" X 30"



R1-1
30" X 30"



UNITED STATES OF AMERICA
CORPS OF ENGINEERS
EXISTING PERPETUAL
EASEMENT FOR INLET
150'



CONSTRUCTION
RELOCATED ROAD 50A

1-34-2.00-1.00
UNITED STATES OF AMERICA
D.B. 311-486

INDIAN
RIVER
INLET

NOTES:

1. CONTRACTOR SHALL REMOVE EXISTING STRIPING AS NEEDED (748530).
2. THE CONTRACTOR SHALL INSTALL AND REMOVE THE REGULATORY, WARNING, AND SPECIAL SIGNS AND POSTS WITHIN THE CONTRACT LIMITS, AS SHOWN. DELDOT SHALL FABRICATE AND SUPPLY THE REGULATORY, WARNING, AND SPECIAL SIGNS AND POSTS TO THE CONTRACTOR. FOR COORDINATION AND PICK UP OF ALL SIGNS AND POSTS, THE CONTRACTOR SHALL CONTACT DELDOTS SIGN SHOP AT (302)760-2581. ALLOW FOUR (4) WEEKS FOR DELIVERY. ALL SIGNING MATERIALS REMOVED FROM THIS PROJECT SHALL BE RETURNED TO DELDOTS SIGN SHOP.

SIGN NOTES:

1. ALL ACCESSIBLE SIGNS SHALL BE 60" MINIMUM ABOVE THE GROUND SURFACE MEASURED TO THE BOTTOM OF THE SIGN.
2. ALL REGULATORY SIGNS SHALL BE 84" MINIMUM ABOVE THE NEAREST EDGE OF PAVEMENT MEASURED TO THE BOTTOM OF THE SIGN.
3. ALL SIGNS SHALL BE FURNISHED BY DELDOT AND INSTALLED BY THE CONTRACTOR.

MATCHLINE - SEE SHEET SSC02

PAVEMENT MARKINGS LEGEND	
SYMBOL	ITEM
(A)	4" WHITE PAINT (ITEM 748001)
(B)	4" BLUE PAINT (ITEM 748001)
(C)	BLUE SYMBOL PAINT (ITEM 748003)
(D)	16" WHITE PAINT (ITEM 748003)
(E)	WHITE SYMBOL PAINT (ITEM 748003)
(F)	4" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 748506)
(G)	4" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 748506)
(H)	WHITE SYMBOL ALKYD-THERMOPLASTIC (ITEM 748015)

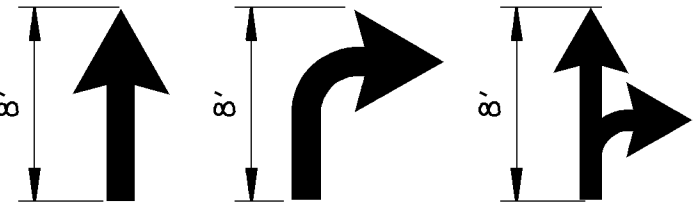
SIGNING LEGEND	
①	REMOVE EXISTING SIGN
②	EXISTING SIGN TO REMAIN
③	PLACE NEW SIGN
④	RENEW EXISTING SIGN
⑤	REPOSITION EXISTING SIGN

SIGN NOTES:

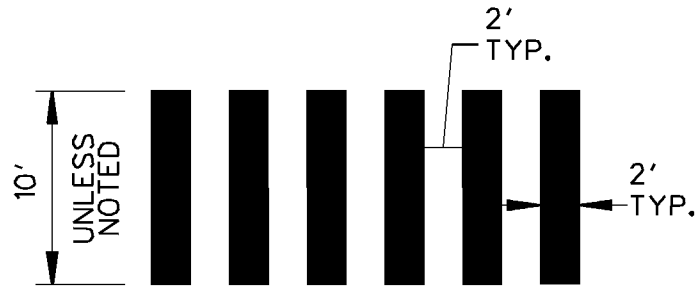
- ALL ACCESSIBLE SIGNS SHALL BE 60" MINIMUM ABOVE THE GROUND SURFACE MEASURED TO THE BOTTOM OF THE SIGN.
- ALL REGULATORY SIGNS SHALL BE 84" MINIMUM ABOVE THE NEAREST EDGE OF PAVEMENT MEASURED TO THE BOTTOM OF THE SIGN.
- ALL SIGNS SHALL BE FURNISHED BY DELDOT AND INSTALLED BY THE CONTRACTOR.

NOTES:

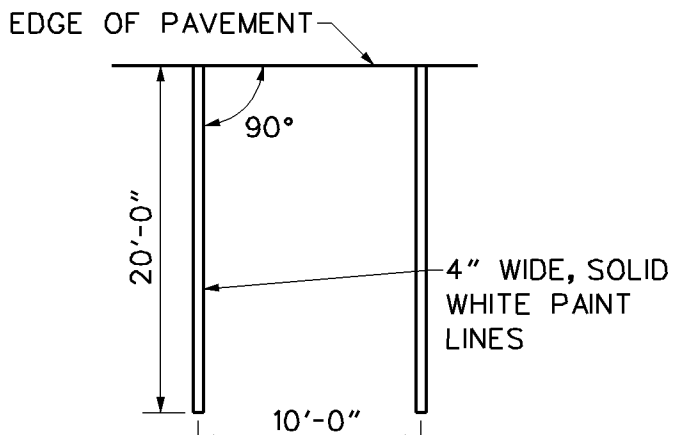
- CONTRACTOR SHALL REMOVE EXISTING STRIPING AS NEEDED (748530).
- THE CONTRACTOR SHALL INSTALL AND REMOVE THE REGULATORY, WARNING, AND SPECIAL SIGNS AND POSTS WITHIN THE CONTRACT LIMITS, AS SHOWN. DELDOT SHALL FABRICATE AND SUPPLY THE REGULATORY, WARNING, AND SPECIAL SIGNS AND POSTS TO THE CONTRACTOR. FOR COORDINATION AND PICK UP OF ALL SIGNS AND POSTS, THE CONTRACTOR SHALL CONTACT DELDOTS SIGN SHOP AT (302)760-2581. ALLOW FOUR (4) WEEKS FOR DELIVERY. ALL SIGNING MATERIALS REMOVED FROM THIS PROJECT SHALL BE RETURNED TO DELDOTS SIGN SHOP.



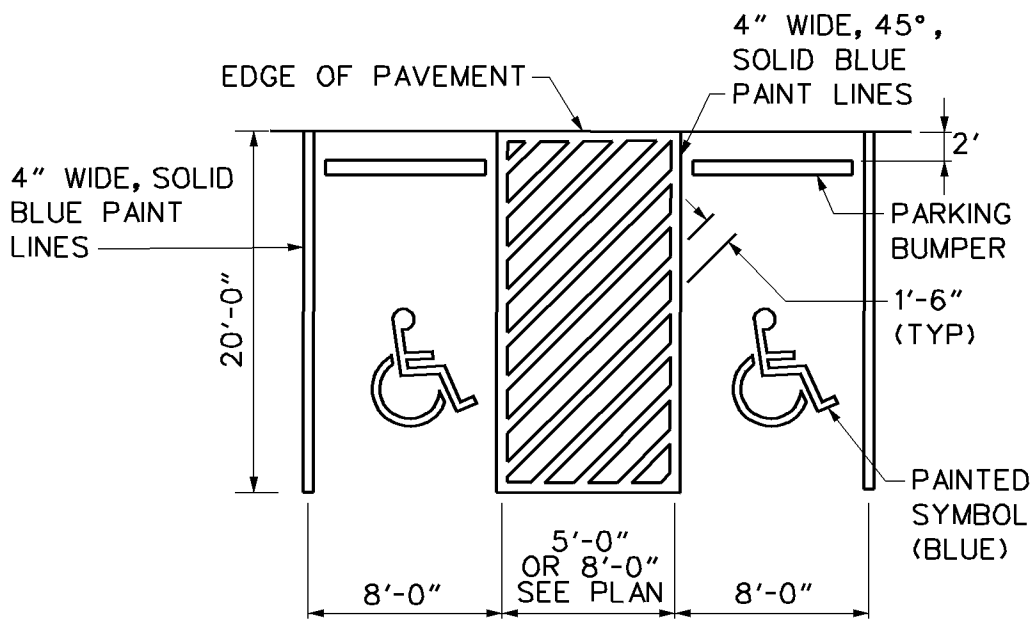
ARROW PAVEMENT MARKINGS
NOT TO SCALE



CROSSWALK DETAIL
NOT TO SCALE



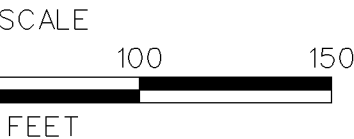
DETAIL
90° PARKING SPACE



DETAIL
ACCESSIBLE LAYOUT
PARKING SPACE

MATCHLINE - SEE SHEET SSC04

ADDENDUMS / REVISIONS

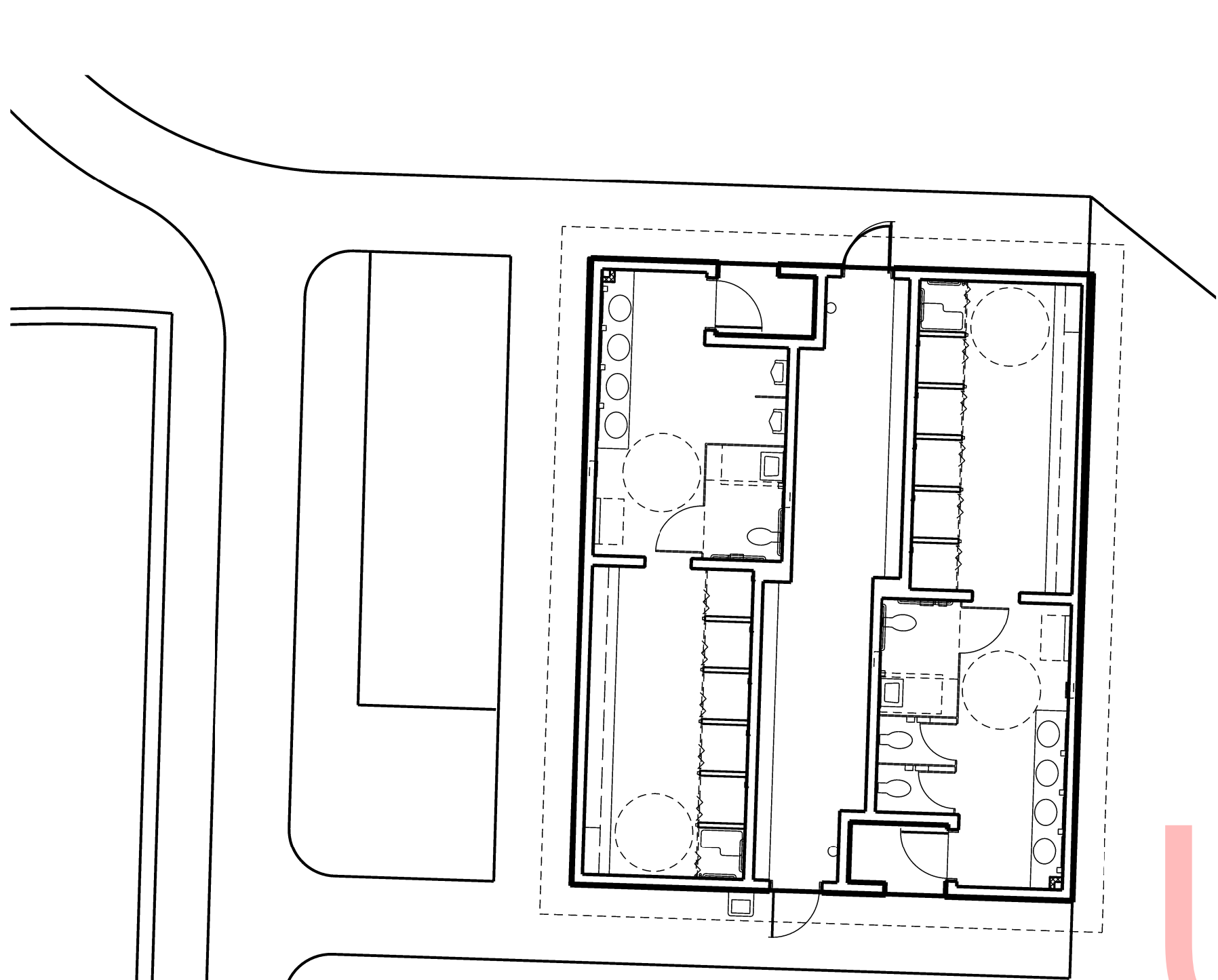


INDIAN RIVER INLET
PARK ENHANCEMENTS

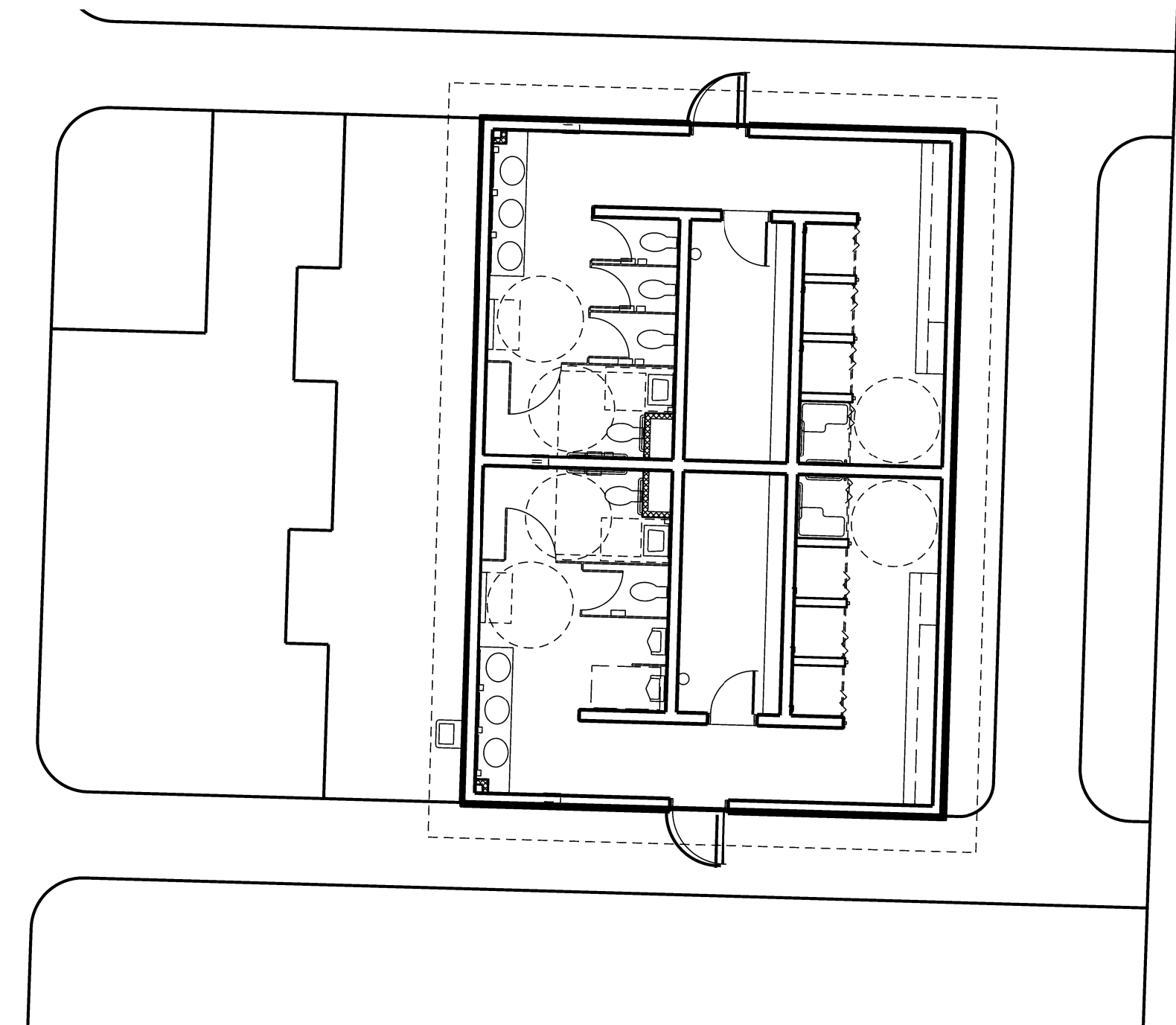
CONTRACT	BRIDGE NO.	X
T200507303	DESIGNED BY: RK&K	
COUNTY	CHECKED BY: RK&K	
SUSSEX		

SIGNING, STRIPING
AND CONDUIT PLAN

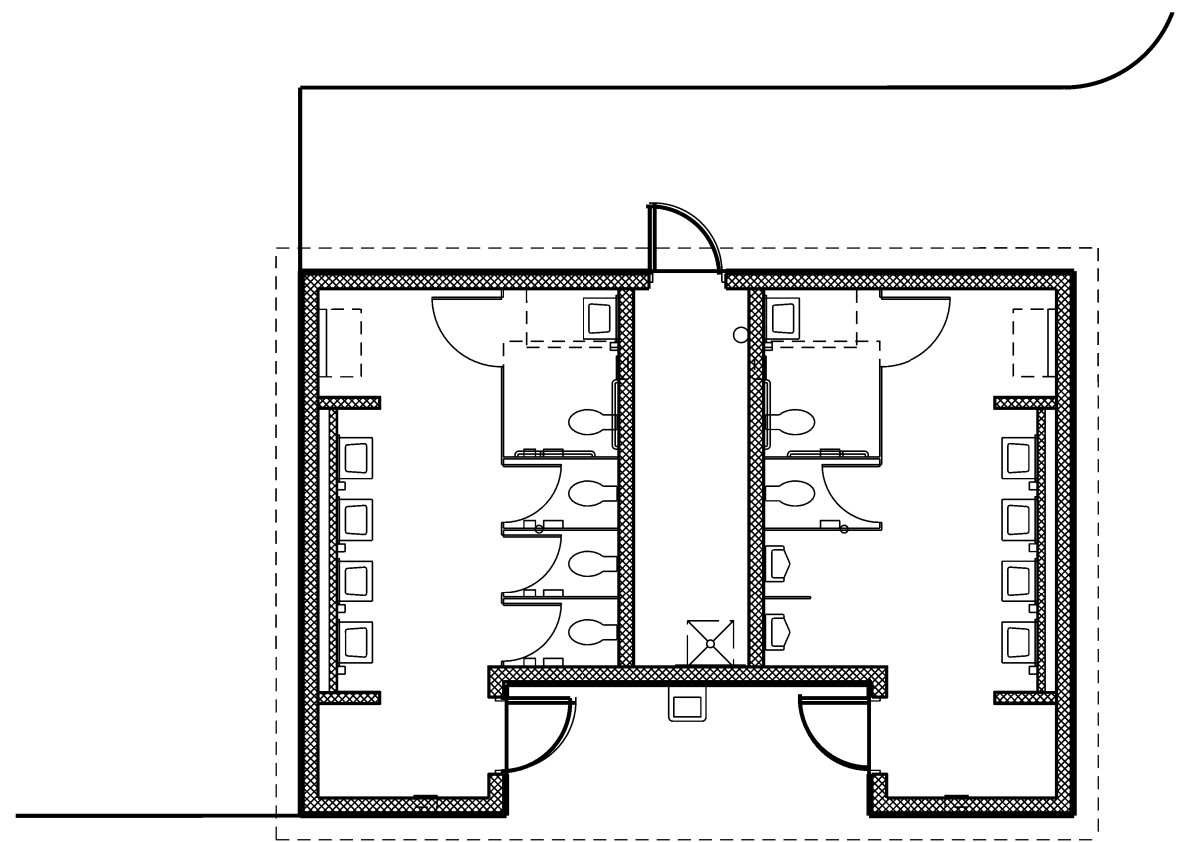
SSC05
SHEET NO.
181
TOTAL SHTS.
282



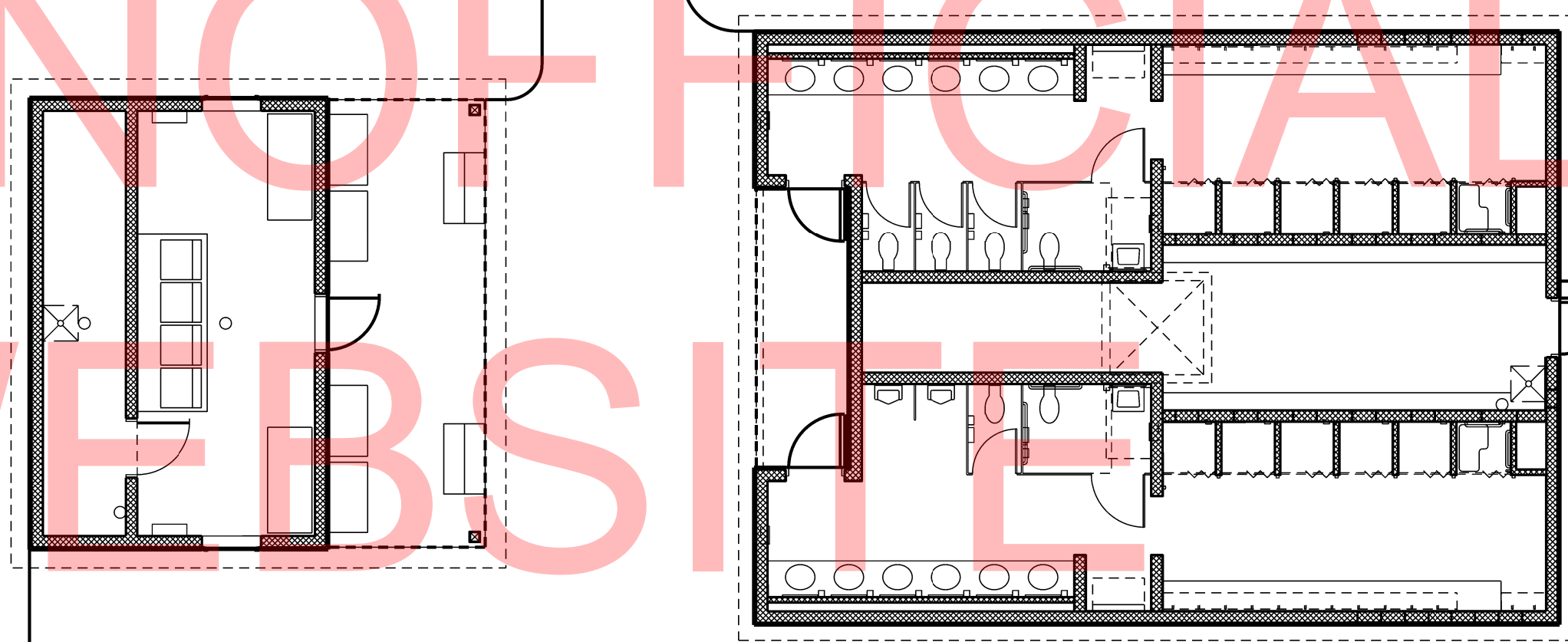
8 EXISTING SOUTHWEST BATH HOUSE (BUILDING 9)
SCALE : 1"= 100'-0"
F.F.E. = 3.60



7 EXISTING SOUTHEAST BATH HOUSE (BUILDING 8)
SCALE : 1"= 100'-0"
F.F.E. = 3.88

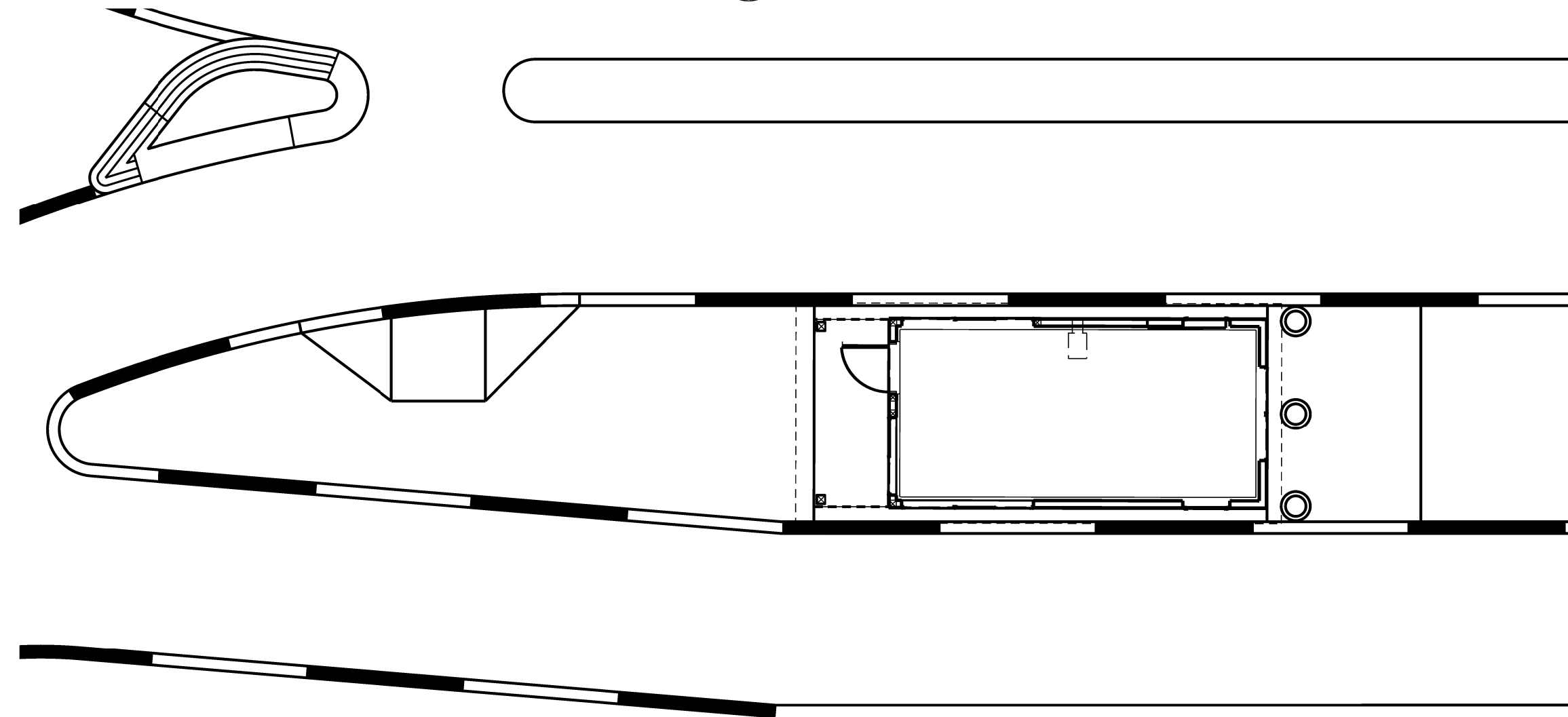


6 BATH HOUSE (BUILDING 5)
SCALE : 1"= 100'-0"
F.F.E. = 10.00

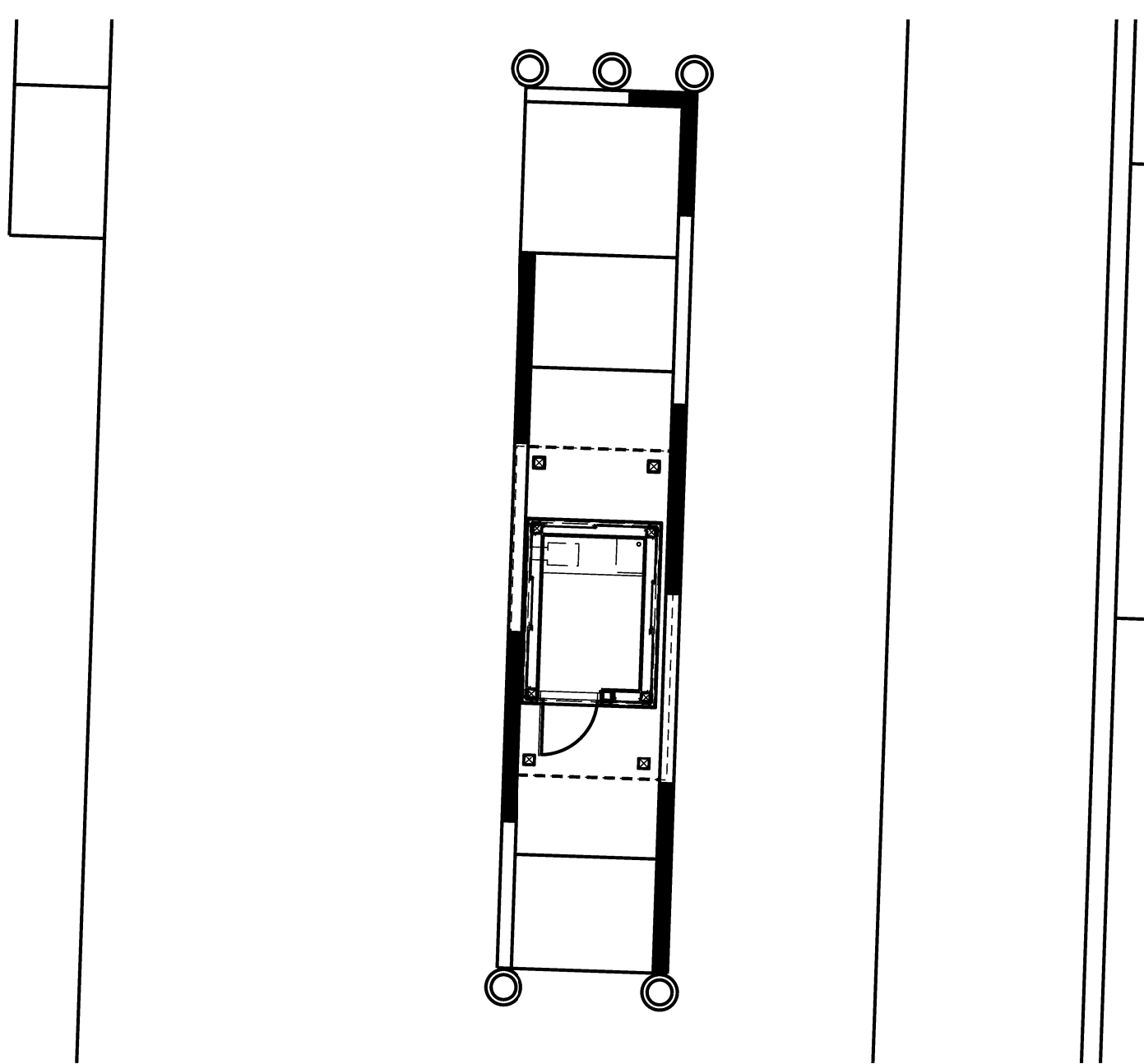


4 RV SHOWER FACILITY (BUILDING 4)
SCALE : 1"= 100'-0"
F.F.E. = 10.00

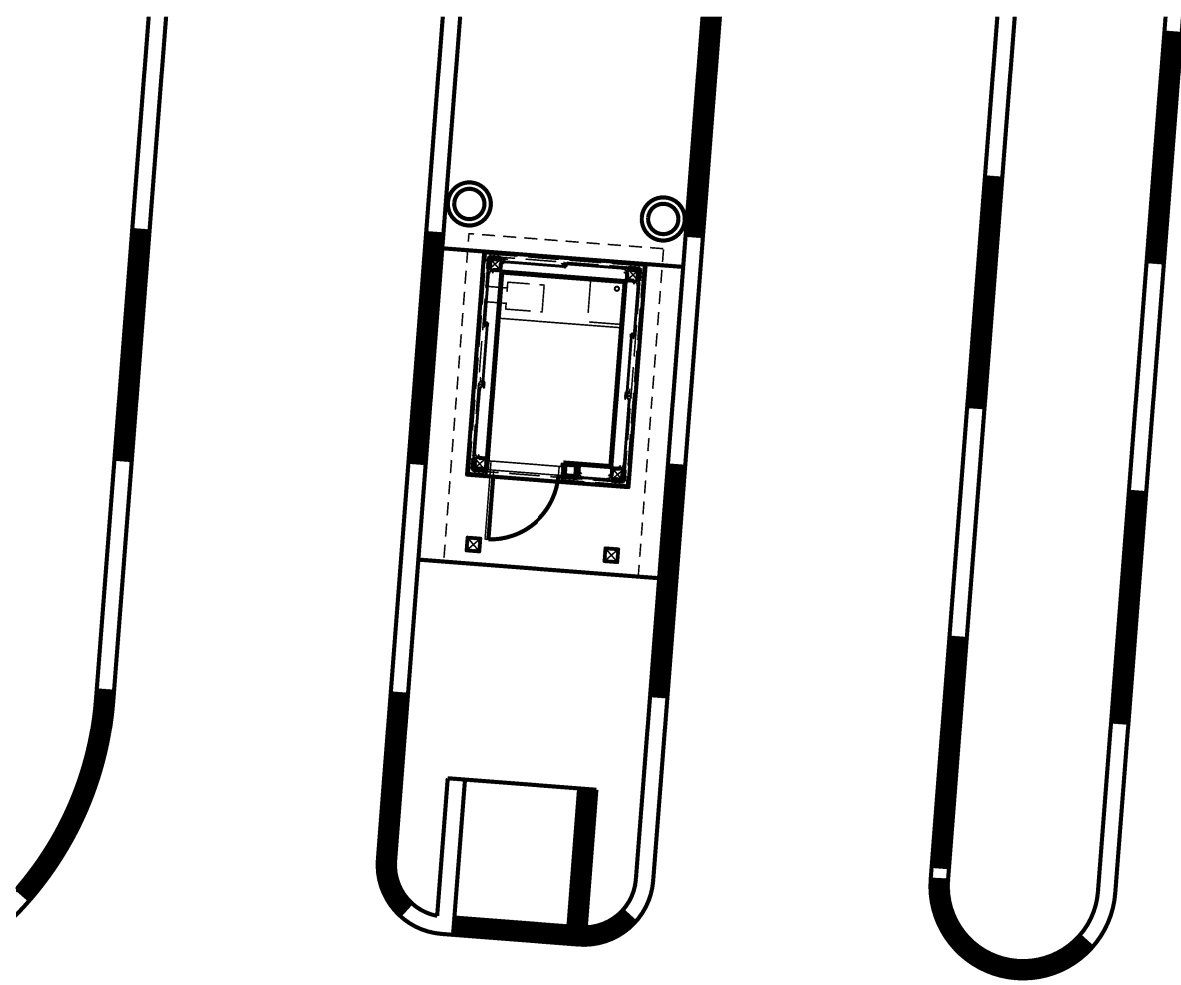
5 RV LAUNDRY FACILITY (BUILDING 3)
SCALE : 1"= 100'-0"
F.F.E. = 10.00



3 ADMINISTRATION CONTACT STATION (BUILDING 2)
SCALE : 1"= 100'-0"
F.F.E. = 9.30



2 CONTACT STATION (BUILDING 1W)
SCALE : 1"= 100'-0"
F.F.E. = 5.4



1 CONTACT STATION (BUILDING 1E)
SCALE : 1"= 100'-0"
F.F.E. = 10.00

LEGEND:

BUILDING NAME:	BUILDING NUMBER:	PHASE:
SOUTHEAST CONTACT STATION	BUILDING 1E	PHASE 2A
SOUTHWEST CONTACT STATION	BUILDING1W	PHASE 1
ADMIN. CONTACT STATION	BUILDING 2	PHASE 1
RV LAUNDRY	BUILDING 3	PHASE 2B & PHASE 3
RV SHOWER BUILDING	BUILDING 4	PHASE 2B & PHASE 3
BATH HOUSE	BUILDING 5	PHASE 2
BUS SHELTER (BY OTHERS)	BUILDING 6	PHASE 2B
16' SHADE PAVILION	BUILDING 7B, 7C, 7D	PHASE 3B
25' SHADE PAVLIION	BUILDING 7A	PHASE 3B
EXIST. SOUTHEAST BATH HOUSE	BUILDING 8	PHASE 1
EXIST. SOUTHWEST BATH HOUSE	BUILDING 9	PHASE 1

NOTES:

1. REFER TO CIVIL DOCUMENTATION FOR ADDITIONAL SITE INFORMATION SHEET NO. 1 THROUGH 182.
2. REFER TO BUILDING DOCUMENTATION FOR ADDITIONAL BUILDING INFORMATION SHEETS 182 THROUGH 282.

GENERAL NOTES

GENERAL

1. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH ALL DRAWINGS AND SPECIFICATIONS CONTAINED HEREIN.
2. ALL DRAWINGS HAVE BEEN PREPARED IN ACCORDANCE WITH THE 2003 INTERNATIONAL BUILDING CODE AS WELL AS ALL REFERENCED STANDARDS CONTAINED THEREIN.
3. SCALING OF DRAWINGS TO DETERMINE DIMENSIONS OF ELEMENTS IS NOT PERMITTED.
4. STRUCTURAL DRAWINGS SHALL NOT BE REPRODUCED TO CREATE SHOP DRAWINGS OR SHORING DOCUMENTATION WITHOUT THE EXPRESS WRITTEN CONSENT OF MACINTOSH ENGINEERING.
5. ALL HORIZONTAL AND VERTICAL DIMENSIONS CONTAINED ON THE STRUCTURAL DRAWINGS WERE DEVELOPED BY OTHER DISCIPLINES FOR THE PURPOSE OF THIS PROJECT. ANY DIMENSIONS NOT SHOWN ON THE STRUCTURAL DRAWINGS SHOULD BE COORDINATED WITH THE OTHER DISCIPLINE DRAWINGS.
6. REFER TO THE ARCHITECTURAL DOCUMENTATION FOR LOCATION, EXTENT, AND DETAILING OF ALL WATERPROOFING AND FIREPROOFING
7. DESIGN LOADS FOR THE PROJECT ARE LISTED IN THE LOAD SCHEDULE ON DRAWING 50-01.
8. SNOW FOR THE PROJECT ARE LISTED IN THE LOAD SCHEDULE ON DRAWING 50-01. DRIFT LOADS HAVE BEEN INCLUDED IN THE DESIGN. SEE SCHEDULE FOR ADDITIONAL INFORMATION.
9. WIND AND SEISMIC LOADS FOR THE PROJECT ARE LISTED IN THE LOAD SCHEDULE ON DRAWING 50-01.
10. SHOP DRAWINGS SHALL BE SUBMITTED FOR THE FOLLOWING ITEMS FOR THIS THE PROJECT:

A. CONCRETE MIX DESIGNS

B. REINFORCING SHOP DRAWINGS

C. ANCHOR BOLT AND CONCRETE EMBEDDED ASSEMBLIES

D. STEEL FRAMING

E. WOOD TRUSS FRAMING

F. MASONRY PRODUCTS

G. ALL ADMIXTURES, SEALANTS, HARDENERS, COATINGS

H. STRUCTURAL INSULATED PANELS

ALL SHOP DRAWINGS NOTED ABOVE SHALL BE SUBMITTED IN A TIMELY MANNER TO ALLOW FOR A 14 DAY REVIEW PERIOD BY THE DESIGN TEAM. EXPEDITED REVIEW PERIODS MAY BE REQUESTED BUT CANNOT BE GUARANTEED. ALL SUBMITTED DRAWINGS SHALL CONTAIN THE CONSTRUCTION MANAGER / GENERAL CONTRACTOR SHOP DRAWING STAMP INDICATING THEIR REVIEW OF THE DRAWINGS INCLUDING BUT NOT LIMITED TO COORDINATION WITH OTHER TRADES, VERIFICATION OF DIMENSIONS, FIELD CONSTRAINTS, MEANS AND METHODS CONSTRUCTION.
11. THE MORE STRINGENT OF DELAWARE DEPARTMENT OF TRANSPORTATION STANDARDS AND STANDARDS REFERENCED BELOW SHOULD BE UTILIZED FOR ALL STRUCTURAL ASPECTS OF THE BUILDING CONSTRUCTION.

FOUNDATIONS

1. BOTTOM OF FOOTINGS SHALL BEAR ON UNDISTURBED VIRGIN SOIL OR CONTROLLED COMPACTED FILL CAPABLE OF SAFELY SUPPORTING 1500 PSF.
2. BOTTOM OF FOOTING SUBGRADE MUST BE INSPECTED AND APPROVED BY A REGISTERED GEOTECHNICAL ENGINEER BEFORE PLACING ANY CONCRETE FOUNDATIONS. APPROVAL IN WRITING MUST INDICATE THE SOIL IS ADEQUATE TO SAFELY SUSTAIN THE SPECIFIED BEARING PRESSURE. SUBMIT ALL REPORTS TO THE ENGINEER OF RECORD FOR RECORD.
3. BOTTOM OF ALL FOOTINGS SUBJECTED TO FREEZE THAN CONDITIONS SHALL BE A MINIMUM 3 FEET BELOW FINISH GRADE OR TOP OF SLAB ELEVATION WHICHEVER IS LOWER.

CONCRETE

1. ALL CONCRETE SHALL BE READY-MIX AND HAVE THE FOLLOWING CHARACTERISTICS:

SLABS ON GRADE

A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS. A MINIMUM OF 520 LBS. OF CEMENT PER CUBIC YARD. SLUMP (AT POINT OF CONCRETE PLACEMENT) SHALL BE 3-INCH MINIMUM AND 5-INCH MAXIMUM.

FOOTINGS AND FOUNDATION WALLS

A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS. A MINIMUM OF 520 LBS. OF CEMENT PER CUBIC YARD. SLUMP (AT POINT OF CONCRETE PLACEMENT) SHALL BE 3-INCH MINIMUM AND 5-INCH MAXIMUM.
2. ALL CONCRETE EXPOSED TO EXTERIOR CONDITIONS SHALL HAVE CHARACTERISTICS IN ACCORDANCE WITH ACI BUILDING CODE (ACI 318) AND THE 2003 INTERNATIONAL BUILDING CODE. MAXIMUM WATER-CEMENTITIOUS MATERIAL RATIO SHALL BE 0.45. MINIMUM COMPRESSIVE STRENGTH OF 4,500 PSI AT 28 DAYS.
3. ALL CONCRETE WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE LATEST EDITIONS OF THE FOLLOWING CODES AND STANDARDS:

A. ACI BUILDING CODE (ACI 318),

B. THE ACI DETAILING MANUAL (SP-66)

C. SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS (ACI 301).

THE REQUIREMENTS IN THESE STANDARDS SHALL GOVERN OVER DELAWARE DEPARTMENT OF TRANSPORTATION STANDARDS IF MORE STRINGENT.
4. ALL REINFORCING STEEL SHALL BE MANUFACTURED FROM HIGH STRENGTH BILLET STEEL CONFORMING TO ASTM DESIGNATION A615 GRADE 60, LAP ALL BARS MINIMUM 48 BAR DIAMETERS UNLESS OTHERWISE NOTED IN THE TABLES BELOW.
5. ALL WWF SHALL BE MANUFACTURED FROM HIGH STRENGTH STEEL CONFORMING TO ASTM A185. LAP ALL WWF A MINIMUM OF 6 INCHES.
6. PLACE TRANSVERSE REINFORCING (5WB) IN BOTTOM LAYER OF CONTINUOUS FOOTINGS. PROVIDE CORNER BARS IN FOOTINGS TO MATCH CONTINUOUS REINFORCEMENT. EXTEND WALL FOOTING REINFORCING INTO COLUMN FOOTINGS A MINIMUM OF 2 FEET.
7. PROVIDE KEYS IN CONCRETE WALLS, PIERS, GRADE BEAMS AND FOOTINGS AT INTERSECTIONS

- UNLESS NOTED OTHERWISE. PROVIDE CORNER BARS TO MATCH HORIZONTAL REINFORCEMENT AT WALL CORNERS AND TEE INTERSECTIONS.
8. CONCRETE SHALL ACHIEVE A MINIMUM OF 70 PERCENT OF THE DESIGN STRENGTH PRIOR TO STEEL ERECTION. WRITTEN CONFIRMATION OF THIS STRENGTH SHOULD BE SUBMITTED TO THE ENGINEER OF RECORD PRIOR TO THE COMMENCEMENT OF STEEL ERECTION.

STEEL

1. ALL STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE LATEST AISC CODE. ALL STRUCTURAL STEEL WIDE FLANGE (W) SHAPES SHALL BE ASTM A992 GRADE 50 (V50). ALL STRUCTURAL STEEL S, M, AND HP SHAPES SHALL BE ASTM A572 GRADE 50 (V50). ALL OTHER STRUCTURAL STEEL SHALL BE ASTM A36 UNLESS OTHERWISE NOTED.
2. ALL STEEL RECTANGULAR/SQUARE HOLLOW STRUCTURAL SECTIONS SHALL BE ASTM A500 GRADE B, FY=46 KSI.
3. ALL STEEL PIPE SECTIONS SHALL BE ASTM A501 OR ASTM A53, TYPE E OR S GRADE B.
4. ALL STEEL ROUND HOLLOW STRUCTURAL SECTIONS SHALL BE ASTM A500 GRADE B, FY=42 KSI.
5. ALL STEEL SHALL BE THOROUGHLY CLEANED IN ACCORDANCE WITH SSPC- SP3 AND HAVE A SHOP COAT OF RUST INHIBITIVE PAINT.
6. ALL SHOP AND FIELD WELDING SHALL BE PERFORMED BY WELDERS CERTIFIED, AS DESCRIBED IN "LATEST EDITION OF THE AMERICAN WELDING SOCIETY'S STANDARD QUALIFICATION PROCEDURE", AWS D1.1, TO PERFORM THE TYPE OF WORK REQUIRED.
7. ALL BOLTS USED FOR THE ANCHORAGE TO CONCRETE AS SPECIFIED ON THE DRAWINGS SHALL CONFORM TO ASTM F1554.
8. ALL CONNECTIONS SHALL BE BOLTED WITH A MINIMUM OF 3/4" A325N HIGH STRENGTH BOLTS OR WELDED AS DESIGNED BY THE STEEL FABRICATOR.

A. USE FULL DEPTH DOUBLE ANGLE CONNECTIONS ON ALL GIRDER AND BEAM CONNECTIONS TO COLUMNS. BOLTS SHALL BE AT 3-INCH O/C VERT.

B. USE FULL DEPTH DOUBLE ANGLE CONNECTIONS WITH TOP AND BOTTOM CLIP ANGLES (AISC TYPE 2 PR) ON ALL GIRDER AND BEAM CONNECTIONS TO COLUMNS AS NOTED ON DRAWINGS. BOLTS SHALL BE AT 3-INCH O/C. BOLTS IN CLIP ANGLES SHALL BE AS NOTED IN THE DRAWINGS.

C. A MINIMUM 3/8 INCH THICK FULL DEPTH THRU-PLATE SHALL BE PROVIDED FOR ALL PIPE AND TUBE COLUMN CONNECTIONS. UNLESS OTHERWISE NOTED ON THE DRAWINGS.

D. ALL BEAM TO GIRDER CONNECTIONS SHALL BE AS DESIGNED BY THE FABRICATOR SUBJECT TO THE ENGINEER'S APPROVAL. THE FOLLOWING CONNECTIONS ARE PERMITTED.

a. DOUBLE ANGLE

b. SHEAR PLATE

c. SINGLE ANGLE

E. FABRICATOR SHALL ADHERE TO ALL OSHA FEDERAL REGISTER STANDARDS SECTION 1926.117 WITH REGARD TO CONNECTION DESIGN.

9. ALL TENSION CONTROLLED BOLTS SHALL CONFORM TO THE REQUIREMENTS OF ASTM F1052 AND F2280.

10. ALL ALUMINUM AND STEEL MEMBERS SHALL BE TREATED OR PROPERLY SEPARATED TO PREVENT GALVANIC AND CORROSIVE EFFECTS.

11. ALL STEEL WELDING RODS SHALL BE AS FOLLOWS:

A. E70XX FOR STEEL CONNECTIONS

12. SUBMIT ALL STEEL SHOP DRAWINGS FOR REVIEW PRIOR TO ANY FABRICATION. SUBMIT CALCULATIONS FOR ALL BRACE CONNECTIONS TO COLUMNS (CALCULATIONS NEED NOT BE SIGNED AND SEALED)

13. STEEL FABRICATOR IS SOLELY RESPONSIBLE FOR COORDINATING WITH THE GENERAL CONTRACTOR FOR THE PURPOSE OF SURVEYING AND VERIFICATION OF EXISTING CONDITIONS INCLUDING BUT NOT LIMITED TO THE LOCATION, ELEVATION, AND DIMENSIONS OF WALLS AND FRAMING THAT EXIST AT THE TIME OF THE STEEL ERECTION.

14. ALL EXPOSED STEEL (DUNNAGE FRAMING, LINTELS, SCREEN WALL FRAMING, CANOPY FRAMING, ETC.) SHALL BE HOT DIP GALVANIZED. ANY POINTS OF WELDING SHALL BE TOUCHED UP IN THE FIELD WITH A ZINC-RICH PAINT BY THE STEEL ERECTOR.

MASONRY

1. MASONRY UNITS SHALL BE NORMAL WEIGHT MASONRY UNITS ASTM C90 SOLID OR ASTM C90 HOLLOW GROUVED SOLID BELOW GRADE, ASTM C90 HOLLOW ABOVE GRADE, WITH MINIMUM COMPRESSIVE STRENGTH OF 1900 PSI (AVERAGE OF 3 UNITS). ALL CMU SHALL BE LAID IN A FULL BED OF MORTAR.
2. FOLLOWING ARE THE BLOCK STRENGTHS REQUIRED:

A. ASTM C90 SOLID 2000 PSI ON GROSS AREA OF INDIVIDUAL UNITS.

B. ASTM C90 SOLID 1500 PSI ON NET AREA OF AVERAGE OF 3 UNITS PER ACI-530.

C. ASTM C90 HOLLOW 1700 PSI ON NET AREA OF INDIVIDUAL UNITS.
3. ALL MORTAR SHALL BE ASTM C270 TYPE S WITH A MINIMUM COMPRESSIVE STRENGTH OF 1800 PSI AT 28 DAYS.
4. GROUT SHALL BE A HIGH SLUMP MIX IN ACCORDANCE WITH ASTM SPECIFICATION C476 HAVING A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.
5. ALL CONCRETE MASONRY SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST EDITION OF THE "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES ACI 530/ASCE 5/TMS 402" AND THE "SPECIFICATION FOR MASONRY STRUCTURES ACI 530.1/ASCE 6/TMS 602."
6. ALL BRICK MASONRY UNITS SHALL BE GRADE SW IN ACCORDANCE WITH ASTM C216 WITH A

- MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI, BONDED TOGETHER WITH TYPE S MORTAR.
7. PROVIDE HOT-DIPPED GALVANIZED TRUSS TYPE HORIZONTAL JOINT REINFORCEMENT, MIN. 9 GA. AT 16" ON CENTER VERTICAL IN ALL MASONRY WALLS. SPACE HORIZONTAL JOINT REINFORCEMENT AT 8 INCHES ON CENTER IN ALL PARAPETS. USE SHOP FABRICATED SPECIAL PIECES AT ALL CORNERS AND TEES.

TIMBER

1. ALL STRUCTURAL TIMBER FRAMING, WALLS, BLOCKING, ETC SHALL BE HEM FIR #2 MINIMUM, STRESS GRADE LUMBER OR APPROVED EQUAL. THE MINIMUM ALLOWABLE PROPERTIES ARE AS FOLLOWS:

Fb = 850 PSI Fv = 180 PSI E = 1,600,000 PSI

ALL STRUCTURAL TIMBER MUST BE STAMPED IN ACCORDANCE WITH THE AMERICAN INSTITUTE OF TIMBER CONSTRUCTIONS "CONSTRUCTION MANUAL".
2. ALL STRUCTURAL TIMBER FOR WOOD TRUSS FRAMING SHALL SOUTHERN YELLOW PINE (SYP) #3 MINIMUM STRESS GRADE LUMBER OR APPROVED EQUAL. THE MINIMUM ALLOWABLE PROPERTIES ARE AS FOLLOWS:

Fb = 500 PSI Fv = 55 PSI E = 1,100,000 PSI

ALL STRUCTURAL TIMBER MUST BE STAMPED IN ACCORDANCE WITH THE AMERICAN INSTITUTE OF TIMBER CONSTRUCTION'S "CONSTRUCTION MANUAL".
3. ALL MICRO-LAM BEAMS SHALL BE AS ENGINEERED AND MANUFACTURED BY MEYERHAEUSER OR APPROVED EQUAL. THE MINIMUM ALLOWABLE PROPERTIES FOR MICRO-LAM BEAMS ARE AS FOLLOWS:

Fb = 2600 PSI Fv = 285 PSI E = 1,900,000 PSI.
4. ALL PARALLAM BEAMS SHALL BE AS ENGINEERED AND MANUFACTURED BY MEYERHAEUSER OR APPROVAL EQUAL. THE MINIMUM ALLOWABLE PROPERTIES FOR PARALLAM BEAMS ARE AS FOLLOWS:

Fb = 2900 PSI Fv = 290 PSI E = 2,000,000 PSI
5. ALL TIMBER AND TIMBER CONSTRUCTION SHALL COMPLY WITH LATEST EDITIONS OF THE FOLLOWING STANDARDS:

A. AMERICAN INSTITUTE OF TIMBER CONSTRUCTION: TIMBER CONSTRUCTION MANUAL.

B. NATIONAL FOREST PRODUCTS ASSOCIATION: NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION.

C. AMERICAN PLYWOOD ASSOCIATION: PLYWOOD DESIGN SPECIFICATION.

D. AMERICAN WOOD PRESERVERS ASSOCIATION STANDARDS.

E. NATIONAL LUMBER MANUFACTURERS ASSOCIATION: NATIONAL DESIGN SPECIFICATION FOR STRESS-GRADE LUMBER AND ITS FASTENINGS.
6. DESIGN, FABRICATION AND INSTALLATION OF WOOD TRUSSES AND SHEET METAL CONNECTORS SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE FOLLOWING TRUSS PLATE INSTITUTE: STANDARDS

A. DESIGN SPECIFICATION FOR METAL PLATE CONNECTED WOOD TRUSSES, TPI-85 FOR ROOFS.

B. RECOMMENDED DESIGN SPECIFICATION FOR TEMPORARY BRACING OF METAL PLATE CONNECTED WOOD TRUSSES, DSB-84.

C. HANDLING, INSTALLING AND BRACING METAL PLATE CONNECTED WOOD TRUSSES, BCSI-1.
7. ALL TIMBER CONNECTIONS SHALL BE MADE USING PREFABRICATED CONNECTORS. TOE-NAILING IS NOT PERMITTED. SUBMIT MANUFACTURER'S DATA FOR REVIEW. FASTENERS SHALL BE AS MANUFACTURED BY SIMPSON STRONGTIE OR APPROVED EQUAL.
8. WOOD ROOF TRUSSES ARE TO BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR THE WOOD TRUSS, OR JOIST FABRICATOR. SIGNED AND SEALED CALCULATIONS ARE TO BE SUBMITTED FOR REVIEW AND APPROVAL. DESIGNS SHALL REFLECT THE LOADING SHOWN IN THE STRUCTURAL DOCUMENTS. TRUSS FABRICATOR SHALL PROVIDE PREFABRICATED HANGERS AND CONNECTORS AS REQUIRED.
9. PROVIDE MINIMUM CONTINUOUS SOLID BLOCKING OR CROSS-BRIDGING LINES AT 8'-0" O/C MAX SPACING FOR ALL

A. WOOD JOISTS.

B. WOOD RAFTERS

C. ROOF TRUSSES
10. TREATED LUMBER SHALL BE PROVIDED AT ALL LOCATIONS WHERE LUMBER IS IN CONTACT WITH CONCRETE AND MASONRY FOUNDATION WALLS OR AT EXTERIOR OF BUILDING.
11. SHEATHING FOR WALLS SHALL BE 1/2" THICK 32/16 SPAN RATING APA STRUCTURAL I RATED SHEATHING, EXPOSURE 1. ALL SHEATHING SHALL BE PLACED HORIZONTALLY AND SECURED IN ACCORDANCE WITH THE SHEAR WALL SCHEDULE SHOWN ON THE STRUCTURAL DRAWINGS. ALL JOINTS IN SHEATHING SHALL BE STAGGERED.
12. SHEATHING FOR FLOORS SHALL BE 3/4" THICK 20' SPAN RATING APA STURD-I-FLOOR, EXPOSURE 1. ALL JOINTS IN SHEATHING SHALL BE STAGGERED. ALL EDGES IN FLOOR SHEATHING SHALL BE TONGUE & GROOVE.
13. SHEATHING FOR ROOFS SHALL BE 5/8" THICK 40/20 SPAN RATING APA STRUCTURAL I RATED SHEATHING, EXPOSURE 1. U.N.O. ALL JOINTS IN SHEATHING SHALL BE STAGGERED. FOR ROOF SHEATHING, USE PANEL CLIPS, TONGUE & GROOVE, OR LUMBER BLOCKED EDGE SUPPORTS AS RECOMMENDED BY APA. NAILING SHALL COMPLY WITH APA REQUIREMENTS FOR PLYWOOD ROOF DIAPHRAGMS.
14. STRUCTURAL INSULATED PANEL ROOF SYSTEM SHOULD BE CAPABLE OF WITHSTANDING DESIGN LOADS INCLUDING DEAD LOAD, LIVE LOADS, WIND LOADS, AND SEISMIC LOADS. DESIGN LOADS SHALL BE IN COMPLIANCE WITH THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE, 2003.

PROJECT NOTES FOR EXISTING STRUCTURES		
SOUTHWEST BATH HOUSE - BUILDING NO. 9		
COMPONENT	CONDITION	REPAIR REQUIREMENT
EXIST. WOOD ROOF DECKING	SEVERE DETERIORATION	REMOVE & REPLACE EXIST. WOOD ROOF DECKING w/ NEW 2x12 T&G WOOD DECKING

SOILS AND FOUNDATIONS

VERIFICATION/INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD	IBC REFERENCE
1. SOILS A. VERIFY SITE PREPARATION; REVIEW PROOF ROLLING IN ACCORDANCE WITH GEOTECHNICAL RECOMMENDATIONS. B. REVIEW SUBMITTALS FOR FILL MATERIALS. C. VERIFY USE OF FILL MATERIAL AND LIFT THICKNESS IN FIELD. D. REVIEW FOOTING BEARING STRATA MATERIAL & CAPACITY E. REVIEW SLAB SUBGRADE AND SUBBASE PREPARATION. F. REVIEW DEPTH OF FOOTING RELATIVE TO FINISH GRADE.	X	-		1104.7.1
	-	X		1104.7.2
	-	X		1104.7.2
	-	X		
	-	X		
	-	X		
2. COMPACTION TESTING FOR IN-PLACE DRY DENSITY	-	X		1104.3
3. FILE FOUNDATIONS OBSERVE INSTALLATION. RECORD CUTOFF AND TIP ELEVATIONS AND LOAD TEST RESULTS.	X	-		1104.8
4. FIER FOUNDATIONS OBSERVE INSTALLATION. REVIEW BEARING STRATA. RECORD BEARING ELEVATIONS.	X	-		1104.9

CAST-IN-PLACE CONCRETE

VERIFICATION/INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD	IBC REFERENCE
1. INSPECTION OF REINFORCING STEEL, INCLUDING PRESTRESSING TENDONS AND PLACEMENT.	-	X	ACI 318: 3.5, 7.1-7.7	1903.5, 1907.1, 1907.7, 1914.4
2. INSPECTION OF REINFORCING STEEL WELDING IN ACCORDANCE WITH TABLE 1104.3, ITEM 5B.	-	-	AWS D1.4 ACI 318: 3.5.2	1903.5.2
3. INSPECTION BOLTS TO BE INSTALLED IN CONCRETE PRIOR TO AND DURING PLACEMENT OF CONCRETE WHERE ALLOWABLE LOADS HAVE BEEN INCREASED.	X	-		1912.5
4. VERIFYING USE OF REQUIRED DESIGN MIX.	-	X	ACI 318: CH. 4, 5.2-5.4	1904, 1905.2-1905.4, 1914.2, 1914.3
5. AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	X	-	ASTM C 112 ASTM C 31 ACI 318: 5.6, 5.8	1905.6, 1914.10
6. INSPECTION OF CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	X	-	ACI 318: 5.9, 5.10	1905.9, 1905.10, 1914.6, 1914.7, 1914.8
7. INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	-	X	ACI 318: 5.11-5.13	1905.11, 1905.13, 1914.9
8. INSPECTION OF PRESTRESSED CONCRETE: A. APPLICATION OF PRESTRESSING FORCES. B. GROUTING OF BONDED PRE-STRESSING TENDONS IN THE SEISMIC-FORCE-RESISTING SYSTEM.	X X	- -	ACI 318: 18.20 ACI 318: 18.18.4	
9. ERECTION OF PRECAST CONCRETE MEMBERS.	-	X	ACI 318: CH.16	
10. VERIFICATION OF IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.	-	X	ACI 318: 6.2	1906.2
11. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.		X	ACI 318: 6.1.1	

NOTES:

1. THE OWNER WILL ENGAGE (SEE CONTRACT REQUIREMENTS) THE SERVICES OF ONE OR MORE SPECIAL INSPECTORS TO PROVIDE INSPECTIONS DURING CONSTRUCTION ON WORK INDICATED IN THE SCHEDULE OF SPECIAL INSPECTIONS, IN ACCORDANCE WITH THE PROVISIONS OF CHAPTER 17 OF THE IBC.
2. SPECIAL INSPECTIONS AND TESTING SHALL BE PERFORMED ON A CONTINUOUS OR PERIODIC FREQUENCY AS NOTED IN THE SCHEDULE.
3. REFER TO THE GENERAL NOTES AND SPECIFICATIONS FOR ADDITIONAL INSPECTION AND TESTING REQUIREMENTS.
4. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF DISCREPANCIES ARE NOT CORRECTED, THEY SHALL BE BROUGHT TO THE ATTENTION OF THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE PRIOR TO COMPLETION OF THAT PHASE OF THE WORK.
5. THE SPECIAL INSPECTOR SHALL SUBMIT INSPECTION REPORTS TO THE CONTRACTOR, ARCHITECT, OWNER AND THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. REPORTS SHALL DOCUMENT REQUIRED INSPECTIONS AND CORRECTIONS OF ANY DISCREPANCIES. REPORTS SHALL BE PROVIDED AT INTERVALS CONVEYING THE PROGRESS OF CONSTRUCTION.

MASONRY (LEVEL 1)

VERIFICATION/INSPECTION	FREQUENCY		REFERENCE FOR CRITERIA		
	CONTINUOUS	PERIODIC	IBC SECTION	ACI 530.1/ ASCE 5/ TMS 402	ACI 530.1/ ASCE 6/ TMS 602
1. AS MASONRY CONSTRUCTION BEGINS, THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE: A. PROPORTIONS OF SITE PREPARED MORTAR. B. CONSTRUCTION OF MORTAR JOINTS. C. LOCATION OF REINFORCEMENT AND CONNECTORS D. PRESTRESSING TECHNIQUE. E. GRADE AND SIZE OF PRESTRESSING TENDONS AND ANCHORAGE.	-				ART. 2.6A ART. 3.3B ART. 3.4 AND 3.6A ART. 3.6B ART. 2.4B AND 2.4H
2. THE INSPECTION PROGRAM SHALL VERIFY: A. SIZE AND LOCATION OF STRUCTURAL ELEMENTS. B. TYPE, SIZE, AND LOCATION OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES, OR OTHER CONSTRUCTION. C. SPECIFIED SIZE, GRADE, AND TYPE OF REINFORCEMENT. D. WELDING OF REINFORCING BARS E. PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40°F) OR HOT WEATHER (TEMPERATURE ABOVE 90°F). F. APPLICATION AND MEASUREMENT OF PRESTRESSING FORCE.	-			1.15.4, 2.1.2	3.3G
		X	2104.3, 2104.4	1.12	ART.2.4, 3.4
	X			2.1.10.6.2 & 3.2.3.4 (b)	
		X			ART. 3.6B
3. PRIOR TO GROUTING, THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE: A. GROUT SPACE IS CLEAN. B. PLACEMENT OF REINFORCEMENT AND CONNECTORS AND PRESTRESSING TENDONS AND ANCHORS. C. PROPORTIONS OF SITE-PREPARED GROUT, AND PRESTRESSING GROUT, FOR BONDED TENDONS. D. CONSTRUCTION OF MORTAR JOINTS.	-			1.13	ART. 3.2D ART. 3.4 ART. 2.6B ART. 3.3B
4. GROUT PLACEMENT SHALL BE VERIFIED TO ENSURE COMPLIANCE WITH CODE AND CONSTRUCTION DOCUMENT PROVISIONS. A. GROUTING OF PRESTRESSED BONDED TENDONS.	X	-			ART. 3.5
	X	-			ART. 3.6C
5. PREPARATION OF ANY REQUIRED GROUT SPECIMENS, MORTAR SPECIMENS, AND/OR PRISMS SHALL BE OBSERVED.	X	-	2105.2.2, 2105.3		ART. 1.4
6. COMPLIANCE WITH REQUIRED INSPECTION PROVISIONS OF THE CONSTRUCTION DOCUMENTS AND THE APPROVED SUBMITTALS SHALL BE VERIFIED.	-	X			ART. 1.5

WOOD FRAMING AND TRUSSES

VERIFICATION/INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD	IBC REFERENCE
1. FABRICATOR CERTIFICATION/QUALITY CONTROL PROCEDURES FOR PREFABRICATED TRUSSES.	-	X		1104.2
2. MATERIAL GRADING AND CONDITION OF ERECTED FRAMING.	-	X		
3. CONNECTIONS.	-	X		
4. FRAMING AND DETAILS.	-	X		
5. SHEAR WALL CONSTRUCTION AND HOLD DOWN ANCHORS.	-	X		
6. INSTALLATION OF TEMPORARY ERECTION BRACING OF TRUSSES.	-	X		
7. INSTALLATION OF PERMANENT TRUSS BRACING AND BRACING FOR GABLE END WALLS.	-	X		

STRUCTURAL STEEL

VERIFICATION/INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD	IBC REFERENCE
1. MATERIAL VERIFICATION OF HIGH-STRENGTH BOLTS, NUTS, AND WASHERS: A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS. B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.	-	X	APPLICABLE ASTM MATERIAL SPECIFICATIONS; AISC 335 AISC ASD, A3.4; AISC LRFD, A3.3	
2. INSPECTION OF HIGH-STRENGTH BOLTING: A. BEARING-TYPE CONNECTIONS. B. SLIP-CRITICAL CONNECTIONS.	- X	X X	AISC M2.5 LRFD	1104.3.3
3. MATERIAL VERIFICATION OF STRUCTURAL STEEL: A. IDENTIFICATION MARKING TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS. B. MANUFACTURER'S CERTIFIED MILL TEST REPORTS REQUIRED.	-	-	ASTM A 6 OR ASTM A568 ASTM A 6 OR ASTM A568	1108.4
4. MATERIAL VERIFICATION OF WELD FILLER MATERIALS: A. IDENTIFICATION MARKINGS TO CONFORM TO AWS SPECIFICATION IN THE APPROVED CONSTRUCTION DOCUMENTS. B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.	-	-	AISC, ASD, A3.6; AISC, LRFD, A3.5	
5. INSPECTION OF WELDING: A. STRUCTURAL STEEL: 1. COMPLETE AND PARTIAL PENETRATION GROOVE WELDS. 2. MULTI-PASS FILLET WELDS. 3. SINGLE-PASS FILLET WELDS >5/16"(7.9MM). 4. SINGLE-PASS FILLET WELDS <5/16"(7.9MM). 5. FLOOR AND DECK WELDS B. REINFORCING STEEL: 1. VERIFICATION OF WELD ABILITY OF REINFORCING STEEL OTHER THAN ASTM A 106. 2. REINFORCING STEEL RESISTING FLEXURAL AND AXIAL FORCES IN INTERMEDIATE AND SPECIAL MOMENT FRAMES, AND BOUNDARY ELEMENTS OF SPECIAL REINFORCED CONCRETE SHEAR WALLS, AND SHEAR REINFORCEMENT. 3. SHEAR REINFORCEMENT. 4. OTHER REINFORCING STEEL.	X X X - - - X -	- - - X - - X X	AWS D1.1 AWS D1.3 AWS D1.4 ACI 318:3.5.2	1104.3.1
6. INSPECTION OF STEEL FRAME JOINT DETAILS FOR COMPLIANCE WITH APPROVED CONSTRUCTION DOCUMENTS. A. DETAILS SUCH AS BRACING AND STIFFENING. B. MEMBER LOCATIONS. C. APPLICATION OF JOINT DETAILS AT EACH CONNECTION.	- - -	X - -		1104.3.2

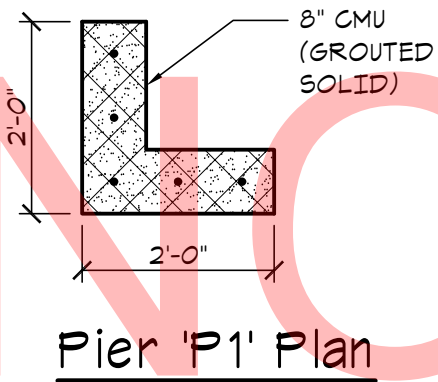
DESIGN LOAD SCHEDULE						
(ALL LOADS SHOWN ARE IN POUNDS PER SQ. FT.)						
COMPONENT	AREA	SLAB ON GRADE	ROOF			
CONCRETE SLAB		50				
ROOF & INSULATION			8			
FRAMING			5			
CEILING			3			
COLLATERAL			4			
TOTAL DEAD LOAD		50	20			
TOTAL LIVE LOAD		100	30			
TOTAL LOAD		150	50			

SNOW LOAD DESIGN SCHEDULE			
2003 INTERNATIONAL BUILDING CODE			
ITEM	SYMBOL	VALUE	REFERENCE
GROUND SNOW LOAD	P _g	20 psf	FIGURE 1609.2
SNOW EXPOSURE FACTOR	C _e	1.0	TABLE 7.2 (ASCE-7)
SNOW LOAD IMPORTANCE FACTOR	I	1.0	TABLE 7.4 (ASCE-7)
THERMAL FACTOR	C _t	1.1	TABLE 7.3 (ASCE-7)
FLAT-ROOF SNOW LOAD	P _f	20 psf	SECTION 1.3 (ASCE-7)

LATERAL LOAD DESIGN SCHEDULE			
2003 INTERNATIONAL BUILDING CODE			
WIND LOAD			
ITEM	SYMBOL	VALUE	REFERENCE
BASIC WIND SPEED	V _{3s}	120 mph	FIGURE 1604
OCCUPANCY CATEGORY	-	II	TABLE 1604.5
WIND LOAD IMPORTANCE	I _w	1.0	TABLE 6-1 (ASCE 7)
WIND EXPOSURE CATEGORY	-	C	SECTION 1604.4
DESIGN PROCEDURE	-	SIMPLIFIED	SECTION 6.4 (ASCE-7)
MAIN WIND-FORCE PRESSURE	P _s	20 psf / 41 psf	SECTION 6.4.2.1 (ASCE-7)
COMP./CLAD. WIND RESISTANCE	P _{res}	30 psf / 45 psf	SECTION 6.4.2.2 (ASCE-7)

SEISMIC LOAD			
ITEM	SYMBOL	VALUE	REFERENCE
SITE CLASS	-	D	SECTION 1613.5.3
MAPPED SPECTRAL RESPONSE ACCELERATION	S _S	0.12	SECTION 1613.5 (1)
MAPPED SPECTRAL RESPONSE ACCELERATION (1-SECOND RESPONSE)	S ₁	0.05	SECTION 1613.5 (2)
DESIGN SPECTRAL RESPONSE ACCELERATION	S _{DS}	0.13	SECTION 1613.5.4
DESIGN SPECTRAL RESPONSE ACCELERATION (1-SECOND RESPONSE)	S _{D1}	0.08	SECTION 1613.5.4
OCCUPANCY CATEGORY	-	II	SECTION 1604.5
SEISMIC DESIGN CATEGORY	-	B	TABLE 1613.5.6
SEISMIC IMPORTANCE FACTOR	I _E	1.00	11.5-1 (ASCE 7)
DESIGN BASE SHEAR	-	4.6K (MAX.)	SECTION 12.8.1 (ASCE 7)
ANALYSIS PROCEDURE	-	EQUIVALENT LATERAL FORCE	SECTION 12.8 (ASCE 7)
BASIC STRUCTURAL SYSTEM	-	BEARING WALL SYSTEM	TABLE 12.2-1 (ASCE 7)
BASIC SEISMIC FORCE RESISTING SYSTEM	-	ORDINARY MASONRY / LIGHT FRAMED WOOD WALLS	TABLE 12.2-1 (ASCE 7)
BASIC SEISMIC RESPONSE COEFFICIENT	C _S	0.08T (MAX.)	TABLE 12.8.11 (ASCE 7)
RESPONSE MOD. FACTOR	R	1 1/2 (MIN.)	TABLE 12.2-1 (ASCE 7)

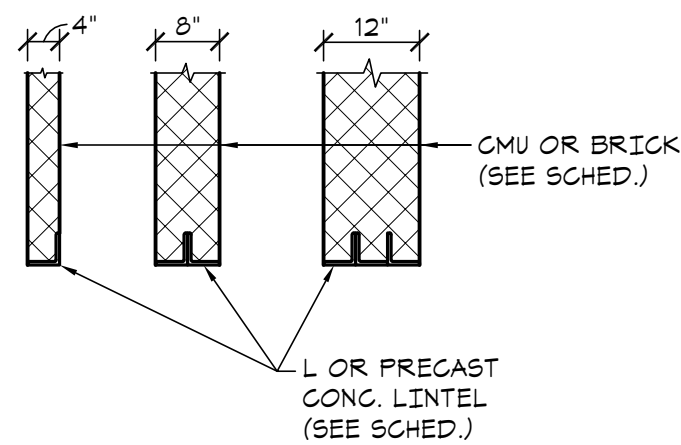
FASTENER SCHEDULE	
TYPE	PROPERTIES
5d COOLER NAIL	0.086"Ø x 1 5/8" LONG
6d COOLER NAIL	0.092"Ø x 1 7/8" LONG
8d NAIL	0.131"Ø x 2 1/2" LONG
10d NAIL	0.148"Ø x 3" LONG
16d NAIL	0.162"Ø x 3 1/2" LONG
#6 SCREW	0.138"Ø x (SEE PLAN)
#8 SCREW	0.164"Ø x (SEE PLAN)
#10 SCREW	0.190"Ø x (SEE PLAN)
#9 SD SCREW	0.131"Ø x (SEE MANUF.)
#10 SD SCREW	0.161"Ø x (SEE MANUF.)
1/4" SDS SCREW	0.250"Ø x (SEE MANUF.)



COLUMN SCHEDULE			
MARK	SIZE	BASE CONNECTOR	NOTES
C1	4X4 WOOD POST	ABU 44 (SIMPSON)	SST300 FINISH
C2	6X6 WOOD POST	ABU 66 (SIMPSON)	SST300 FINISH

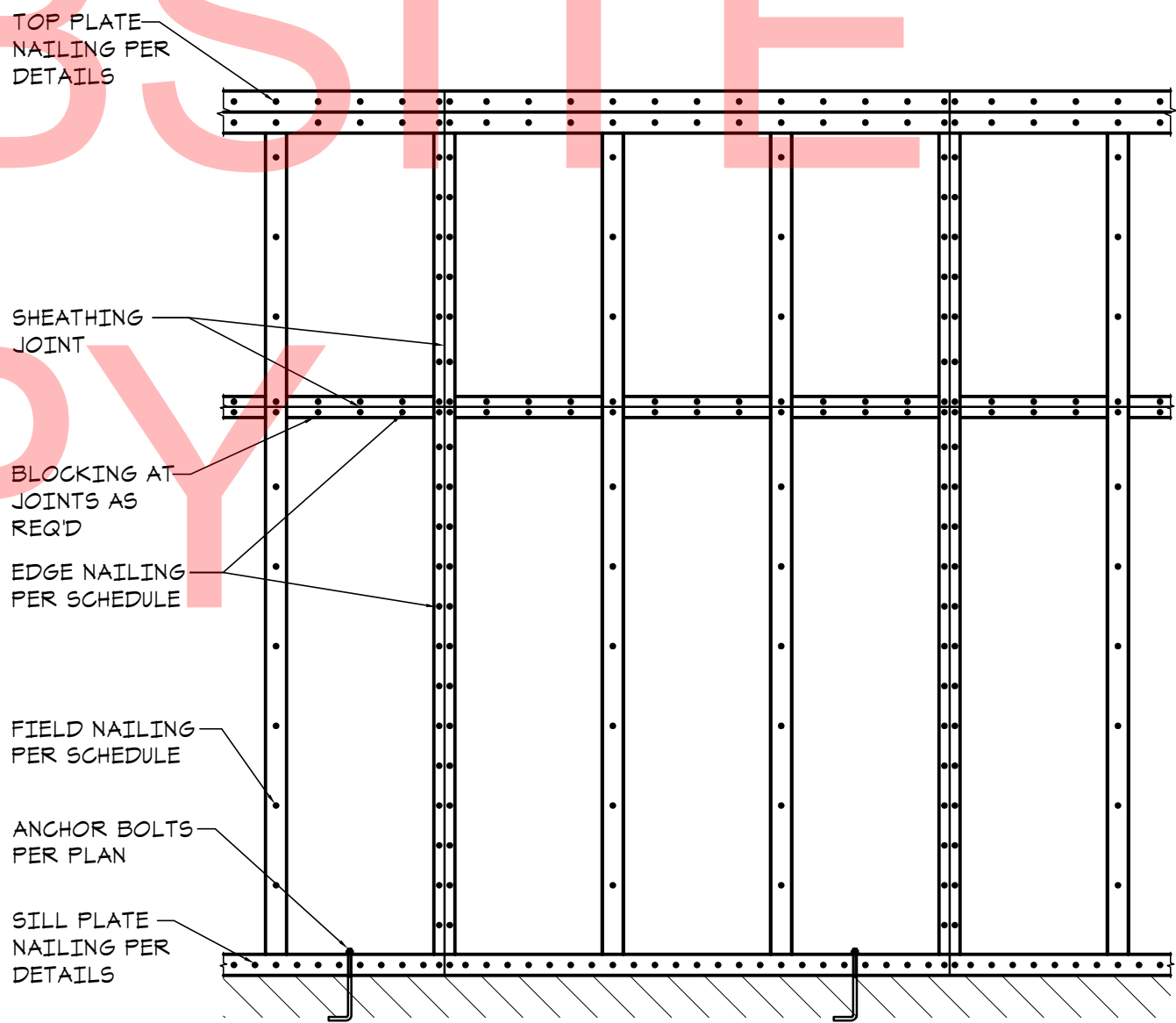
PIER SCHEDULE			
MARK	SIZE	REINFORCING	NOTES
P1	SEE 'P1' PLAN	(5) #4 VERT.	
P2	8" x 8" CMU	(2) #6 VERT.	
P3	8" x 1'-4" CMU	(4) #6 VERT.	
P4	12" x 12" CONC.	(4) #4 VERT.	#3 TIES @ 12" O/C

FOOTING SCHEDULE		
MARK	SIZE	REINFORCING
F20.12	2'-0" W. x 12" T. (CONT.)	(3) #4 LWB #4 @ 24" SWB
F36	3'-6" x 3'-6" x 12"	(4) #4 ENB

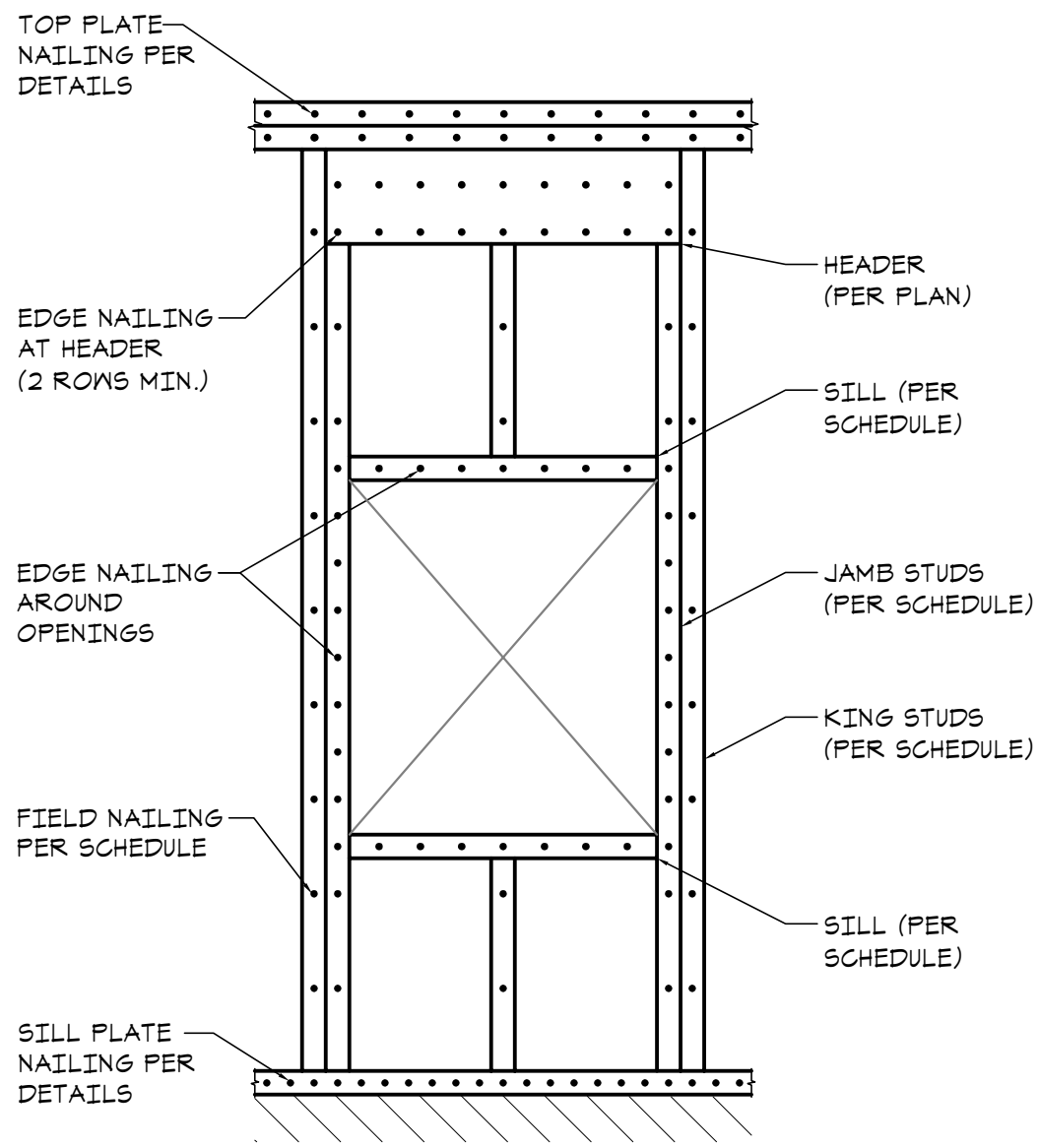


CONCRETE/STEEL LINTEL SCHEDULE			
(4", 8" AND 12" NON-BEARING CMU & BRICK WALLS)			
WIDTH OF OPENING	STEEL FOR EACH 4" OF WALL THICKNESS	REINF. CONC. FOR EACH 4" OF WALL THICKNESS	REMARKS
UP TO 2'-11"	L 3 1/2 x 3 1/2 x 5/16	(1) #4 TOP & BOTTOM	
3'-0" TO 3'-11"	L 4 x 3 1/2 x 5/16	(1) #4 TOP & BOTTOM	
4'-0" TO 5'-11"	L 5 x 3 1/2 x 5/16	(1) #4 TOP & BOTTOM	
6'-0" TO 8'-0"	L 6 x 3 1/2 x 5/16	(1) #5 TOP & BOTTOM	

NOTES: 1) ALL CONCRETE LINTELS SHALL BE 4000 PSI CONCRETE AT 28 DAYS WITH GRADE 60 REINFORCING
2) ALL STEEL LINTELS SHALL BE ASTM A-36.
3) FILL C.M.U. VOIDS SOLID (2) COURSES BELOW LINTEL BEARING.
4) ALL LINTELS SHALL HAVE 8" MINIMUM BEARING U.N.O.



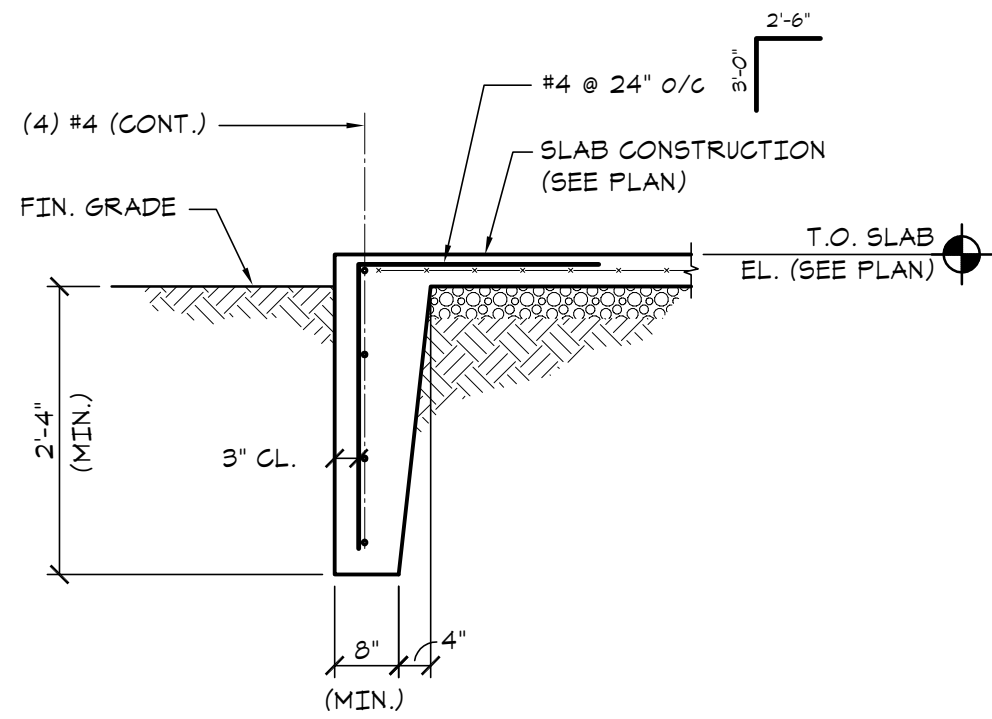
Typical Shearwall Framing



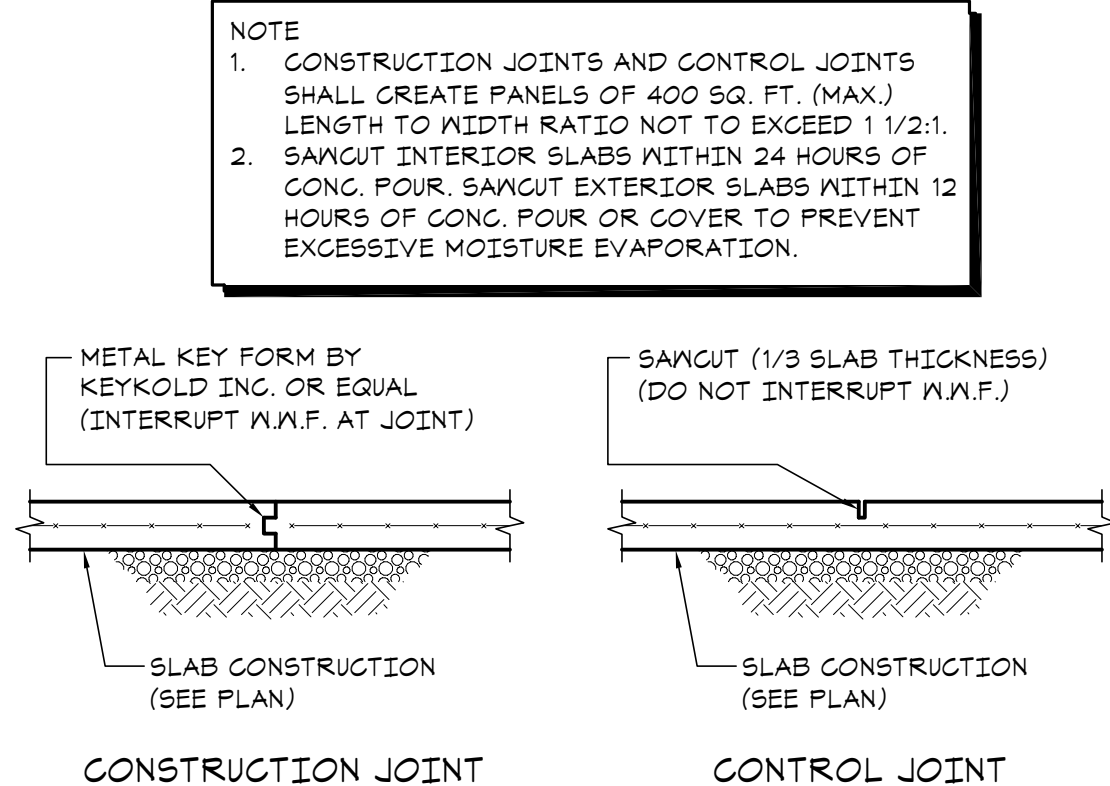
Typical Opening Framing

WALL FRAMING SCHEDULE		
MARK	SHEATHING	FASTENING
TYPICAL EXTERIOR	1/2" STRUCTURAL I SHEATHING (ONE SIDE)	8d NAILS @ 6" o/c SPACING @ PANEL EDGES, 12" o/c IN FIELD
SW1 SHEARWALL	1/2" BLOCKED STRUCTURAL I SHEATHING (ONE SIDE)	8d NAILS @ 4" o/c SPACING @ PANEL EDGES, 12" o/c IN FIELD
SW2 SHEARWALL	1/2" GYPSUM BOARD (BOTH SIDES)	5d COOLER NAILS* @ 4" o/c SPACING @ PANEL EDGES AND IN FIELD

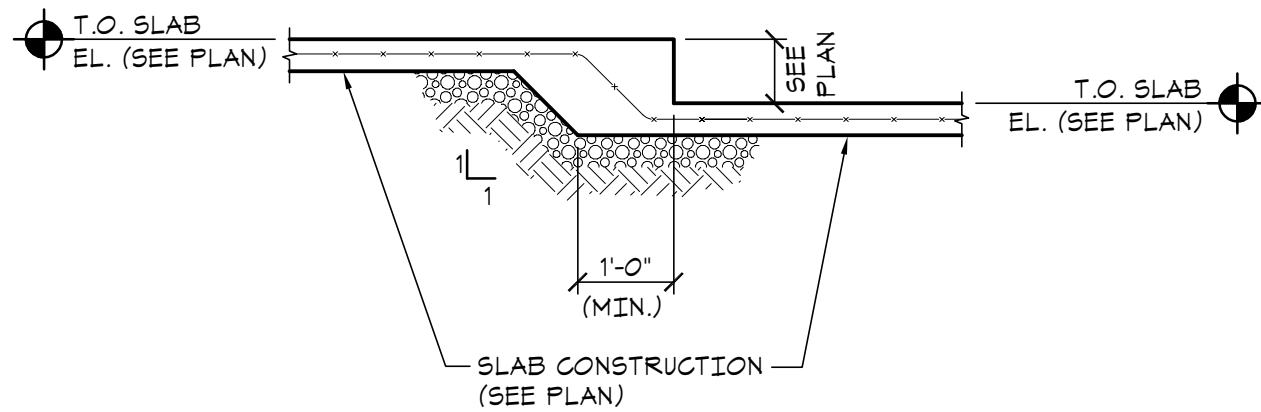
* ALT. FASTENER: #6 SCREWS



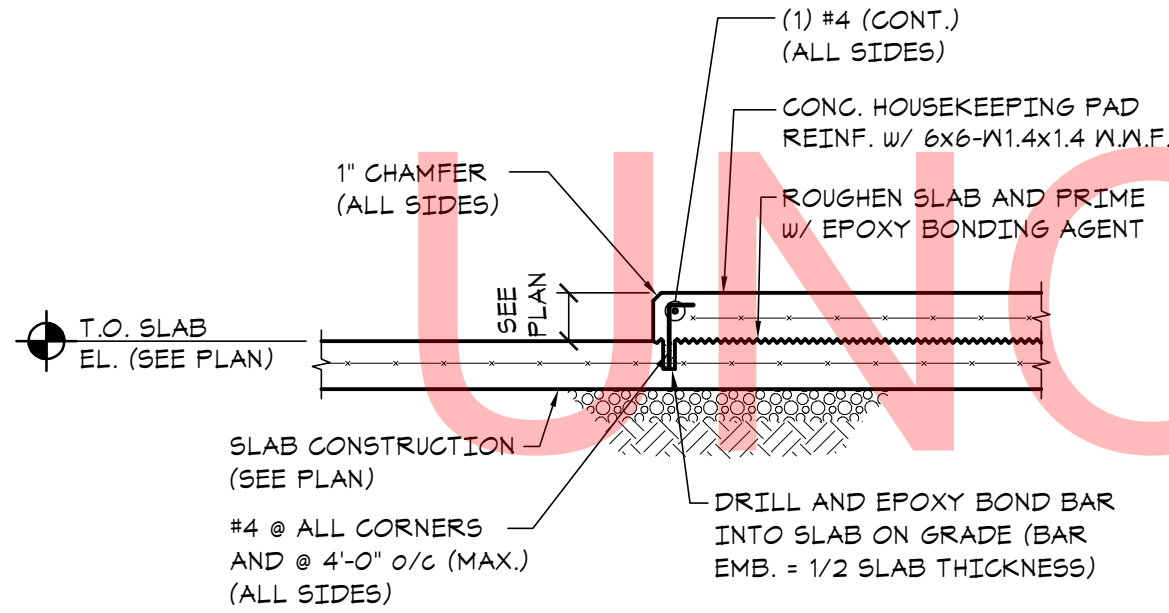
Typical Turned Down Slab Detail



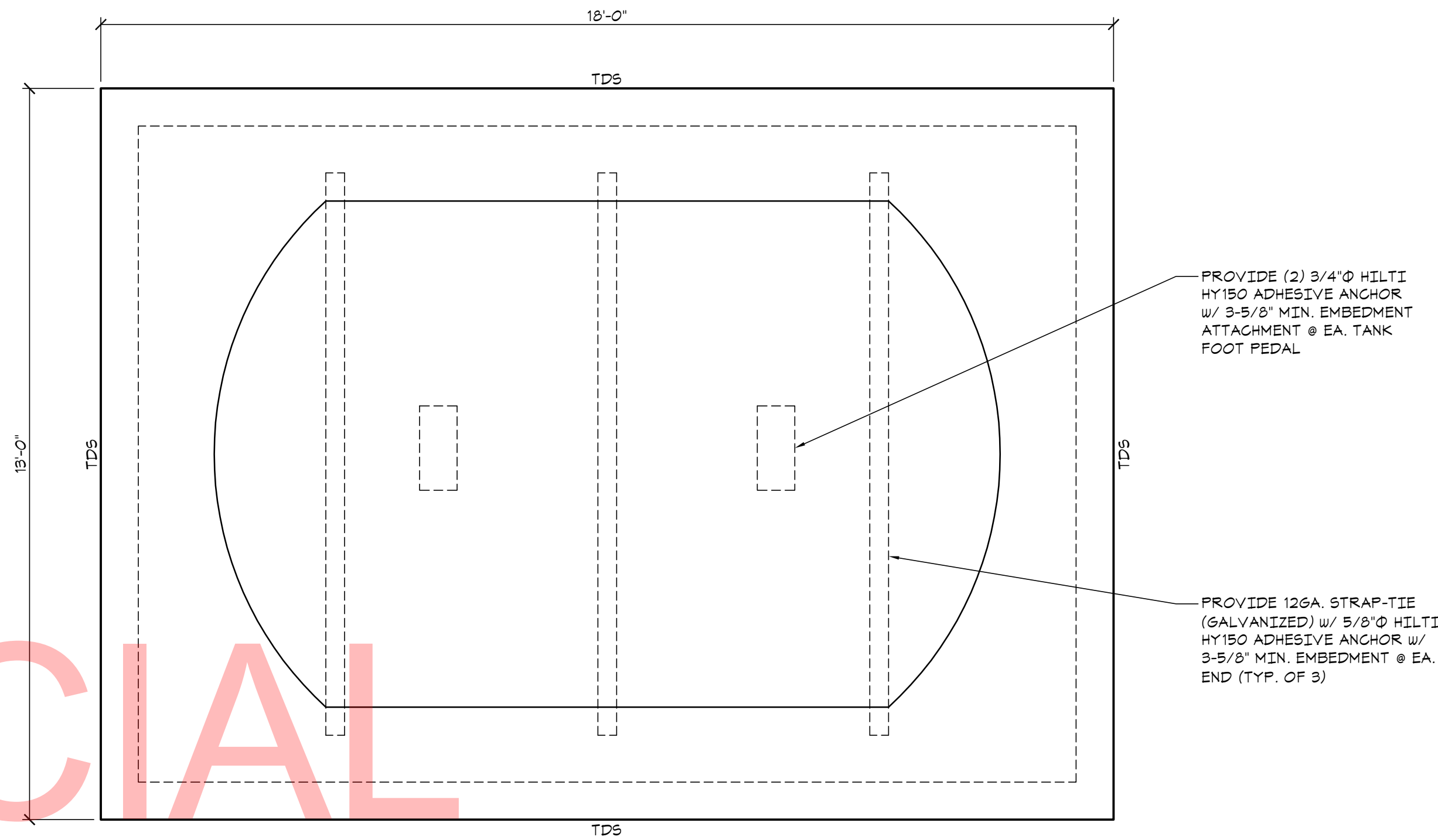
Typical Slab On Grade Details



Typical Depressed Slab Detail



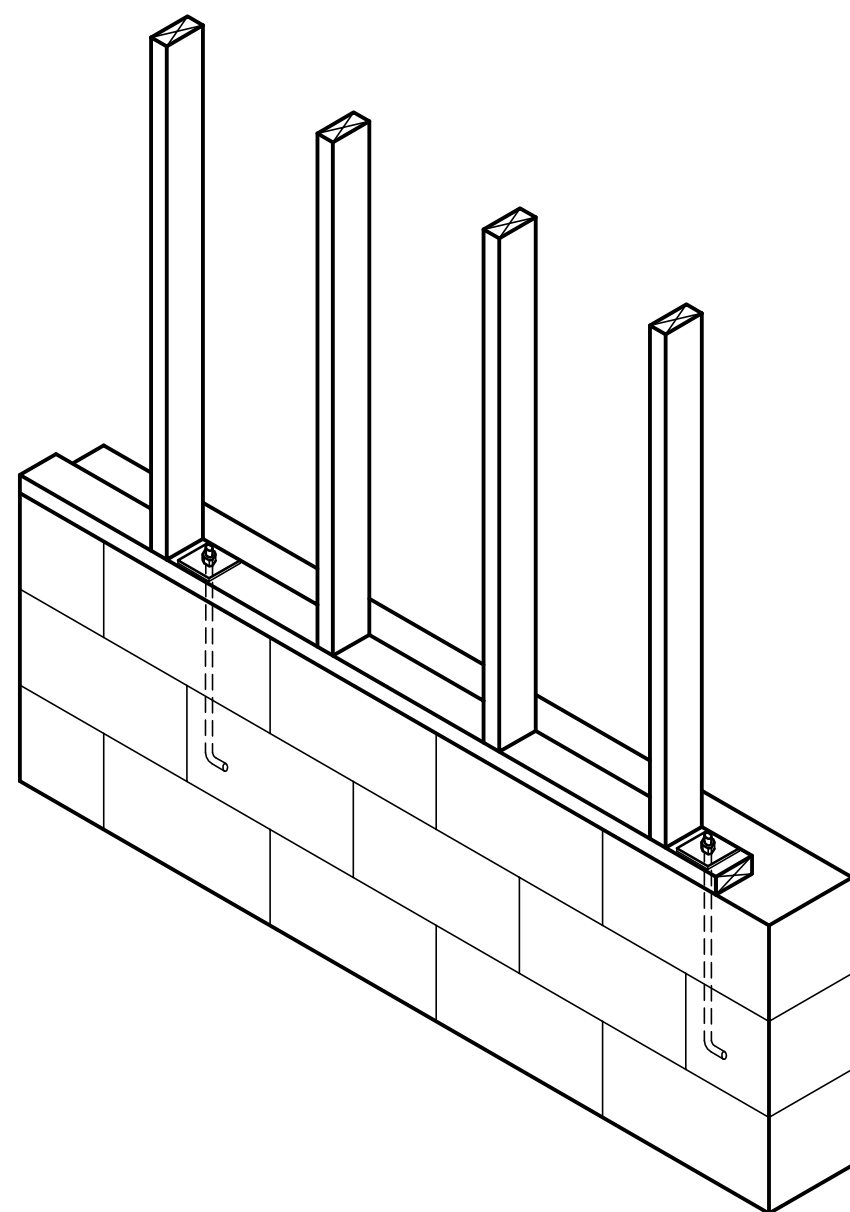
Typical Housekeeping Pad Detail



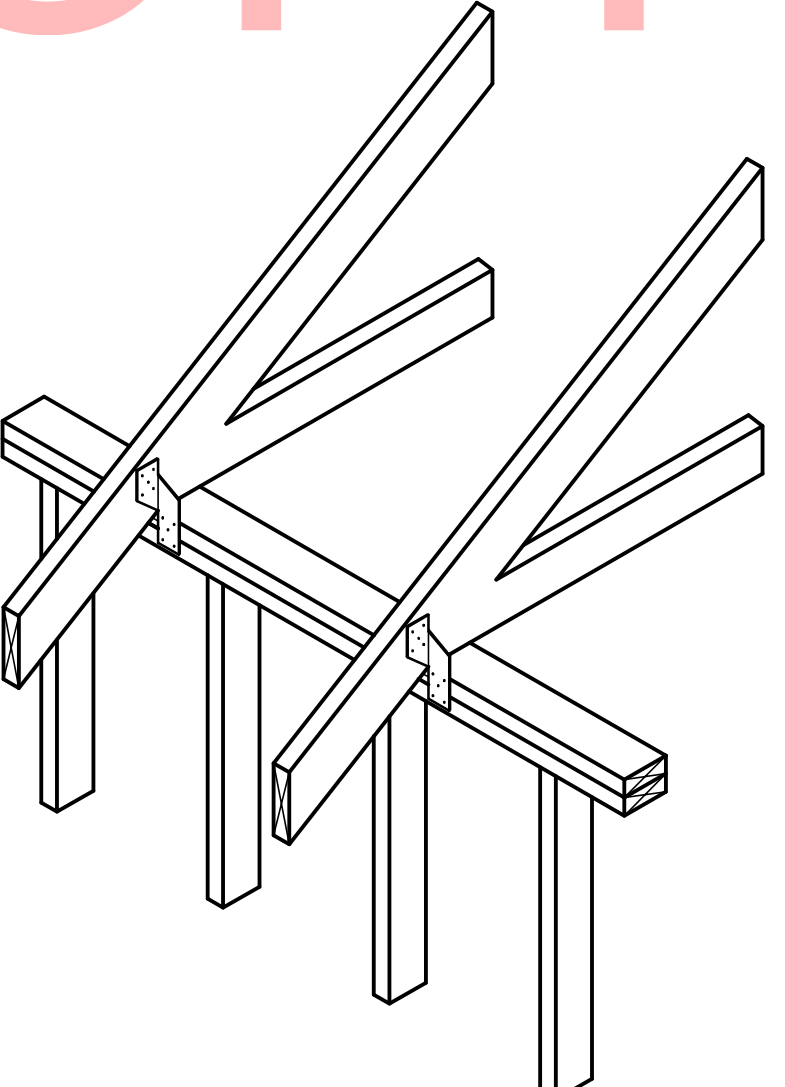
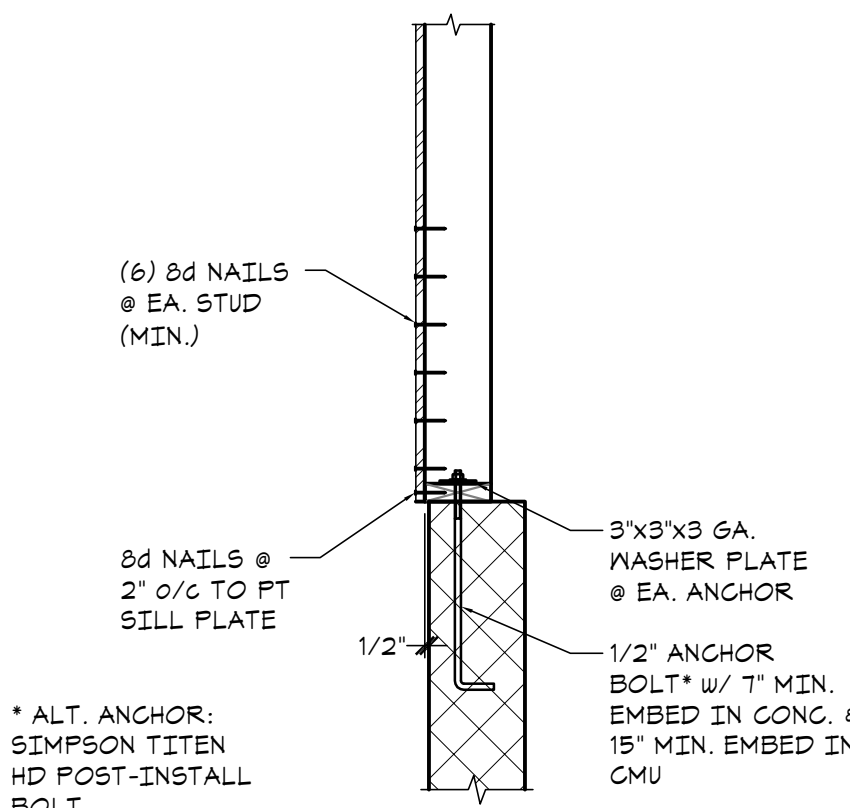
BATH HOUSE PROPANE TANK PAD

SCALE: 1/2" = 1'-0"

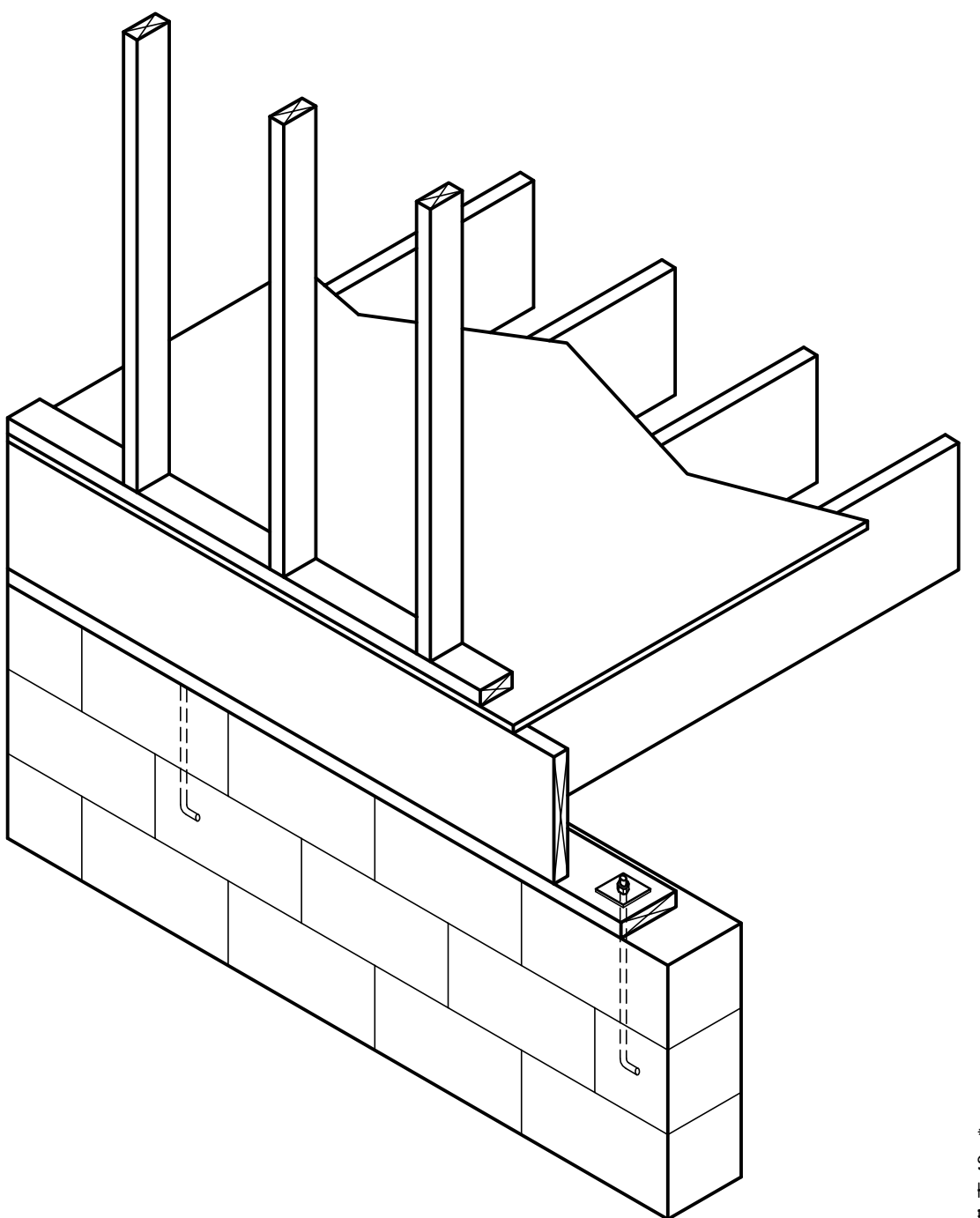
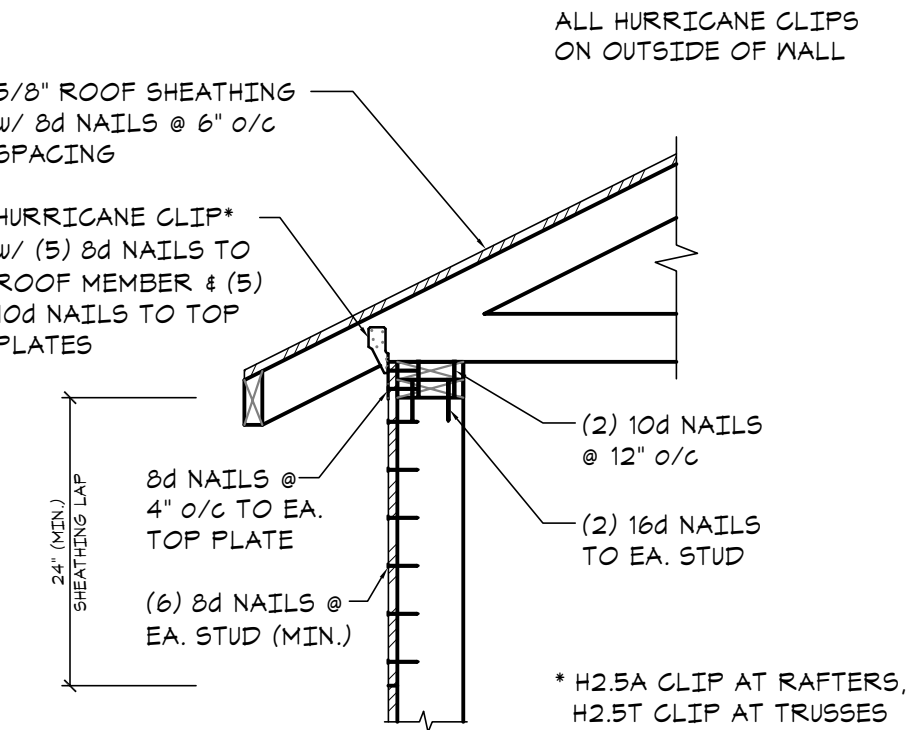
- NOTES:
- COORDINATE LOCATION w/ ARCH/CIVIL/MEP.
 - INDICATES 6" N.M. CONCRETE SLAB ON GRADE w/ 6x6-M2.0x2.0 W.M.F. w/ 6% AIR ENTRAINMENT OVER 4" OF CRUSHED STONE.
 - TDS' INDICATES TURNED DOWN SLAB. SEE DETAIL FOR ADDITIONAL INFORMATION.



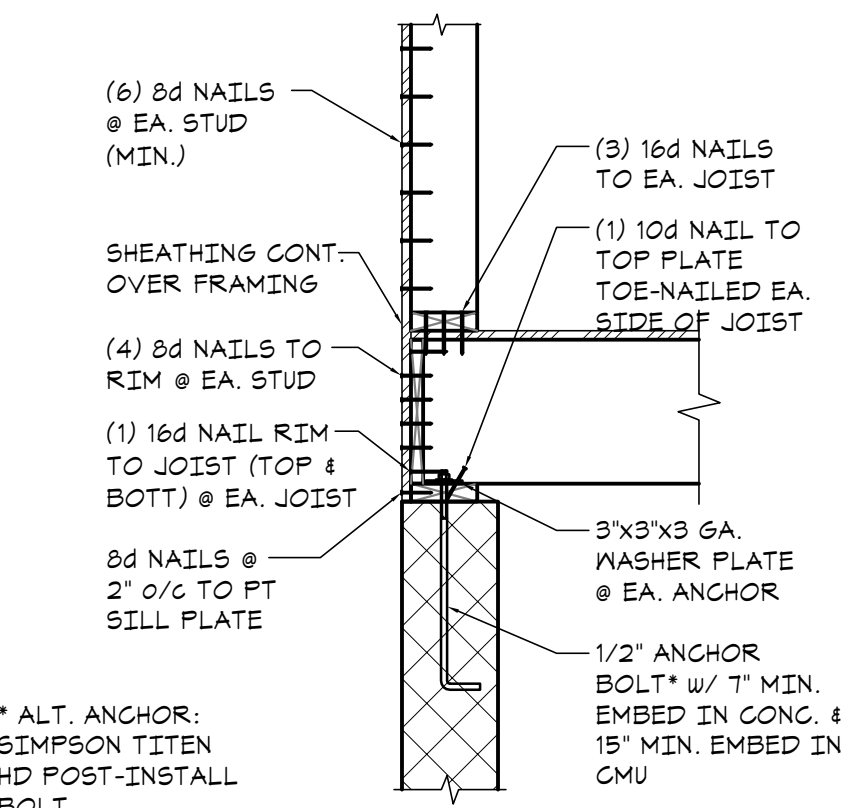
Typical Sill on FDN Framing

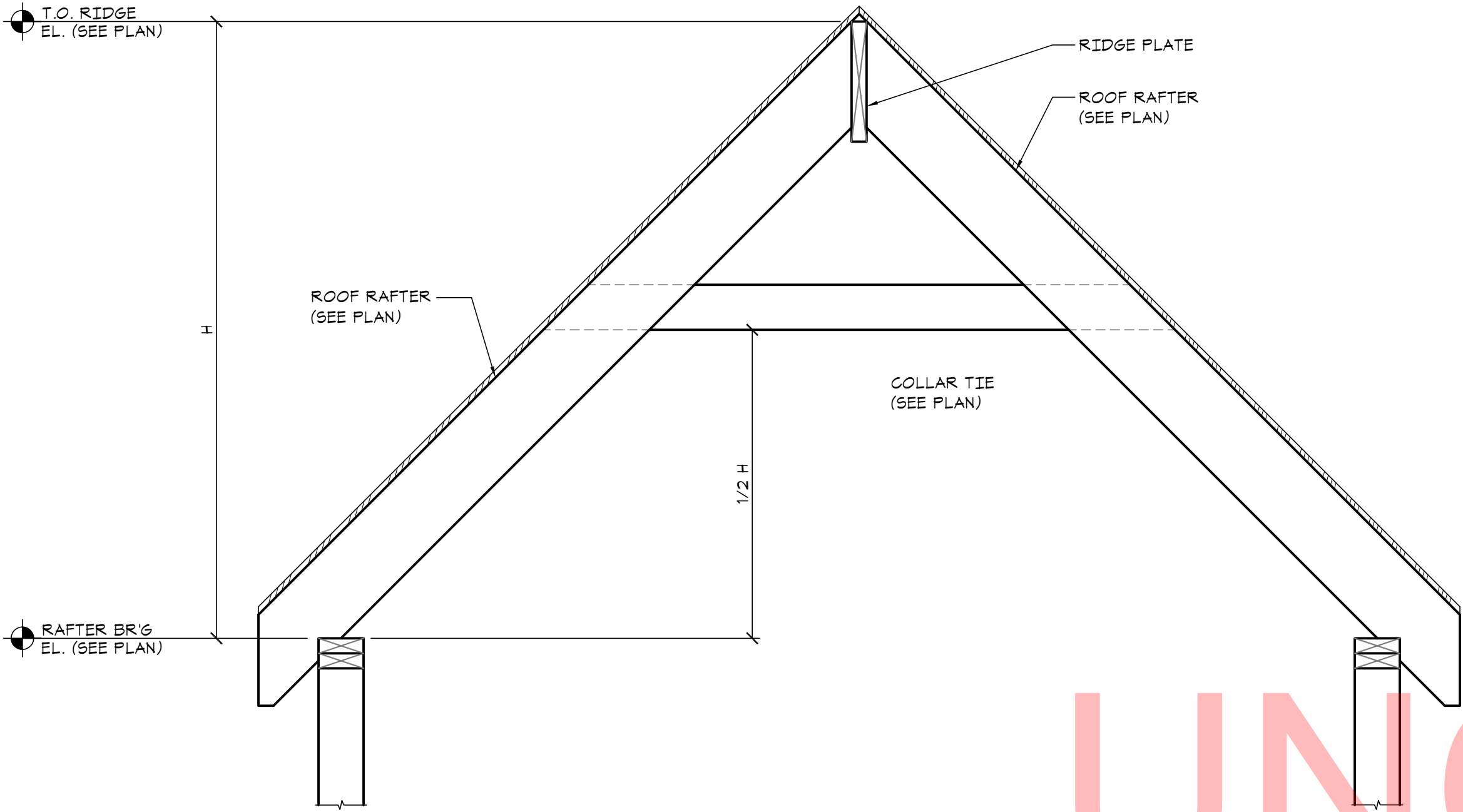


Typical Roof Framing

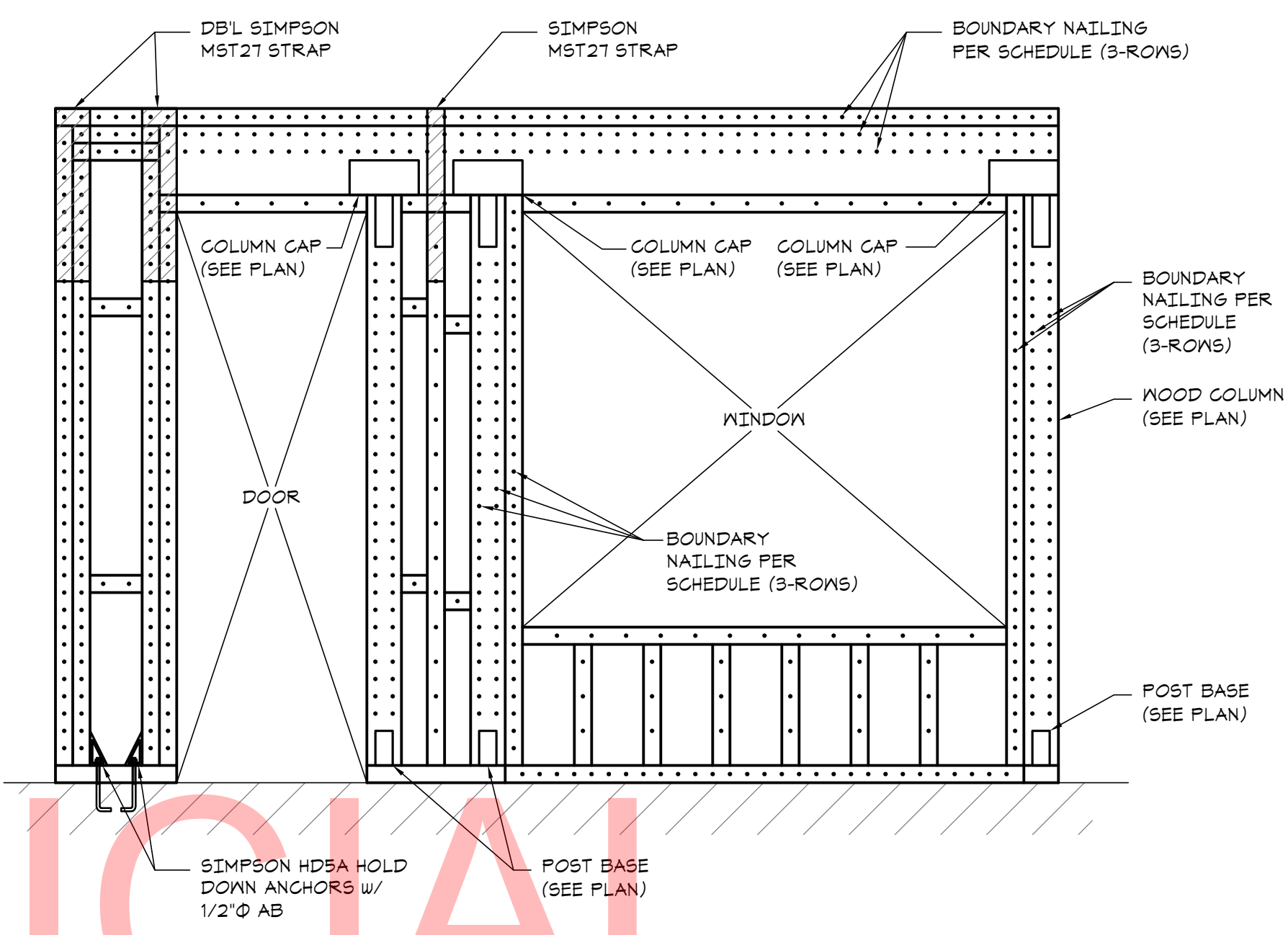


Typical Crawlspace / Basement Floor Framing

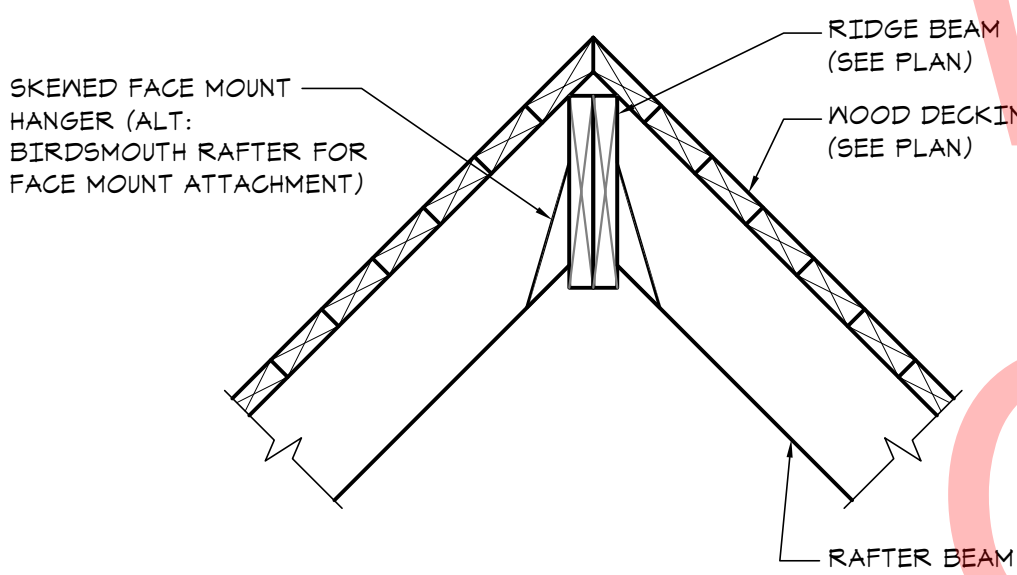











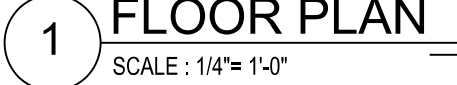
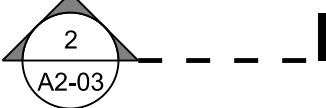
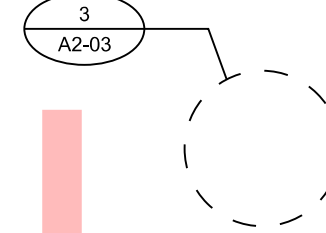



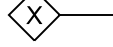

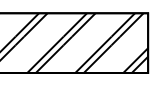
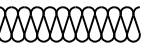
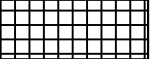

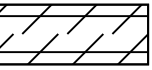

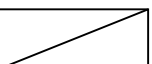




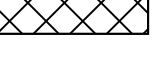

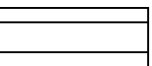
Typical Collar Tie Elevation



Typical Portal Frame Elevation



Section 1
TYPICAL DETAIL @ RIDGE

		ABBREVIATIONS						SYMBOLS			CODE ANALYSIS	
		A.B. A.C. ACOUS. A.F.F. ALT. ALUM. APPROX. ARCH. AUX.	ANCHOR BOLT AIR CONDITION ACOUSTICAL ABOVE FINISH FLOOR ALTERNATE ALUMINUM APPROXIMATE ARCHITECTURAL AUXILIARY	JAN. JST. JT. K.O. L LAM. LAV. L.L.H. L.L.V. LOC. L.P. LT.	JANITOR JOIST JOINT KNOCK OUT LONG LAMINATE LONG LEG HORIZONTAL LONG LEG VERTICAL LOCATION LOW POINT LIGHT	V.C.T. VEN. VENT. VERT. VEST. V.I.F. V.T.R. V.W.C.	VINYL COMPOSITION TILE VENEER VENTILATION VERTICAL VESTIBULE VERIFY IN FIELD VENT THRU ROOF VINYL WALL COVERING		NORTH ARROW	<div>CODES</div> <div>INTERNATIONAL BUILDING CODE 2003 DELAWARE STATE FIRE CODE NFPA 101 - 2003 AMERICANS WITH DISABILITIES ACT / ADAAG</div> <div>USE GROUP</div> <div>B (BUSINESS GROUP) OCCUPANCY</div> <div>CONSTRUCTION TYPE</div> <div>V - B</div> <div>LENGTH OF TRAVEL</div> <div>CODES, ORDINANCES, AND REGULATIONS: ALL WORK SHALL BE PERFORMED IN STRICT COMPLIANCE WITH LOCAL AND STATE CODES AND REGULATIONS HAVING JURISDICTION. THE CONTRACTOR SHALL PROTECT AND IDEMNIFY THE OWNER AND ARCHTECT AGAINST ANY CLAIM OR LIABILITY ARISING FROM VIOLATION OF ANY SUCH CODE OR REGULATION. THE CODES WILL INCLUDE BUT NOT BE LIMITED TO THOSE LISTED ABOVE.</div>	<div>GENERAL NOTES</div> <div>1. CONTRACTOR TO FURNISH ALL LABOR AND MATERIALS NECESSARY FOR COMPLETE INSTALLATION AS IDENTIFIED HEREIN. EACH CONTRACTOR SHALL RESPECT THE WORK OF OTHER CONTRACTORS AND IS RESPONSIBLE FOR AND LIABLE TO REPAIR OR REPLACE ANY DAMAGE CAUSED BY HIS WORK.</div> <div>2. CODES: ALL WORK SHALL BE PERFORMED IN STRICT COMPLIANCE WITH LOCAL AND STATE CODES AND REGULATIONS HAVING JURISDICTION. THE CONTRACTOR SHALL PROTECT AND INDEMNIFY THE OWNER AND ARCHITECT AGAINST ANY CLAIM OR LIABILITY ARISING FROM VIOLATION OF ANY SUCH CODE OR REGULATION.</div> <div>3. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED PERMITS, INSPECTIONS AND APPROVALS.</div> <div>4. QUALITY: WORKMANSHIP SHALL BE OF THE HIGHEST TYPE, AND MATERIALS USED OR SPECIFIED OF THE BEST QUALITY. ALL INSTALLATIONS AND APPLICATIONS SHALL CONFORM TO THE MANUFACTURERS' SPECIFICATIONS.</div> <div>5. COORDINATION OF THE WORK: THE GENERAL CONTRACTOR SHALL COORDINATE THE WORK OF ALL SUBCONTRACTORS AND MECHANICAL TRADES. THE CONTRACTOR'S INSTRUCTIONS SHALL BE FOLLOWED BY ALL TRADES AS SPECIFIED.</div> <div>6. EXAMINATION OF SITE AND DOCUMENTS: THE CONTRACTOR, BEFORE SUBMITTING HIS PROPOSAL, SHALL VISIT THE SITE AND EXAMINE FOR HIMSELF ALL CONDITIONS AND LIMITATIONS WHICH AFFECT THE CONTRACT. HE SHALL CAREFULLY EXAMINE ALL CONTRACT DOCUMENTS, TITLES AND SUBDIVISIONS IN THESE DOCUMENTS ARE FOR CONVENIENCE, AND NO REAL OR ALLEGED ERRORS IN ARRANGEMENT OF MATTER SHALL BE REASON FOR OMISSION OF DUPLICATION BY ANY CONTRACTOR.</div> <div>7. SEPARATE CONTRACTS: THE OWNER RESERVES THE RIGHT TO LET OTHER CONTRACTS IN CONNECTION WITH THE WORK. THE GENERAL CONTRACTOR SHALL AFFORD OTHER CONTRACTORS REASONABLE OPPORTUNITY FOR THE EXECUTION OF THEIR WORK AND SHALL PROPERLY CONNECT AND COORDINATE THIS WORK WITH THEIRS.</div> <div>8. GUARANTEE: ALL MATERIALS AND WORKMANSHIP SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE UNLESS SPECIFIED OTHERWISE FOR A LONGER PERIOD OF TIME.</div> <div>9. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT THE SITE AND REPORT ANY DISCREPANCY TO THE ARCHITECT BEFORE PROCEEDING WITH THE CORRESPONDING WORK.</div> <div>10. THE GENERAL CONTRACTOR SHALL SAFELY SHORE, BRACE OR SUPPORT ALL WORK AS REQUIRED. THIS WORK SHALL BE THE FULL RESPONSIBILITY OF THE CONTRACTOR, AND NO ACT, DIRECTION OR REVIEW OF ANY SYSTEM OR METHOD BY THE ARCHITECT SHALL RELIEVE THE CONTRACTOR OF THIS RESPONSIBILITY.</div> <div>11. ALL WORK IS NEW UNLESS OTHERWISE NOTED.</div> <div>12. CONTRACTOR TO FIELD VERIFY ALL EXISTING UTILITIES AND REROUTE AS REQUIRED. NO UTILITIES SHALL BE ABANDONED WITHOUT EXPRESS CONSENT OF THE ENGINEER.</div>	
		BD. BIDS BIT. BLK'G. B.O. BM. BOT., BOTT. BRZ. BU. BF.	BOARD BAGGAGE INFORMATION DISPLAY SYSTEM BITUMINOUS BLOCKING BOTTOM OF BEAM BOTTOM BRONZE BUILT-UP BROOM FINISH	MAS. MAT'L. MISC. MAX. MFR. MECH. MEMB. MEZZ. MIN. MTD. MTL. M.R.	MASONRY MATERIAL MISCELLANEOUS MAXIMUM MANUFACTURER MECHANICAL MEMBRANE MEZZANINE MINIMUM MOUNTED METAL MOISTURE RESISTANT	W/ W.C. W.D. W.H. W/O W.P. W.W.F. W.W.M.	WITH WATER CLOSET WOOD WATER HEATER WITHOUT WATER PROOF / WEATHERPROOF WELDED WIRE FABRIC WELDED WIRE MESH		ELEVATION DATUM			
		CER. C. COND. CA C.J. CLG. CMU C.O. COL. CONC. CONN. CONST. CONT. CONTR. C.T. CTR. C.W.	CERAMIC CONDUIT COMPRESSED AIR (PIPING) CONTROL JOINT CEILING CONCRETE MASONRY UNIT CLEAN OUT COLUMN CONCRETE CONNECTION CONSTRUCTION CONTINUOUS CONTRACTOR CERAMIC TILE CENTER COLD WATER	N.I.C. N.O., # NOM. N.T.S. O.C. O.D. OFF. O.H. O/O OPNG. OPP.	NOT IN CONTRACT NUMBER NOMINAL NOT TO SCALE ON CENTER OUTSIDE DIMENSION / DIAMETER OFFICE OVER HEAD OUT-TO-OUT OPENING OPPOSITE	    	ANGLE AT CENTER LINE DIAMETER PLATE		DRAWING TITLE			
		DBL. DET. DIA. DN. D.S. DWG.	DOUBLE DETAIL DIAMATER, DIAGRAM DOWN DOWN SPOUT DRAWING	P.L. PLYWD. P.O.S. PR. PREFAB. P.S.F. P.S.I. P.T. PTD. PTN. P.V.C. P.O.B.	PLASTIC LAMINATE PLYWOOD POINT OF SCALE PAIR PREFABRICATED POUNDS PER. SQ. FOOT POUNDS PER SQ. INCH PRESERVATIVE TREATED PAINTED PARTITION POLYVINYL CHLORIDE POINT OF BEGINNING	  	SECTION DESIGNATION DETAIL REFERENCE ROOM NAME & NUMBER		KEY NOTE			
		EA. E.F. E.J. ELECT. ELEV., EL. EQ. EQUIP. E.W. E.W.C. EXT. EXIST.	EACH EXHAUST FAN EXPANSION JOINT ELECTRIC ELEVATION / ELEVATOR EQUAL EQUIPMENT EACH WAY ELECTRIC WATER COOLER EXTERIOR EXISTING	RAD. (R) R.D. R RECEPT. REF. REINF. REQ.'D. REV. RM. R.O.	RADIUS ROOF DRAIN RISER RECEPTACLE REFERENCE REINFORCING REQUIRED REVISED, REVISION ROOM ROUGH OPENING	   1	DOOR NUMBER WALL TYPE TOILET ACCESSORY SIGN					
		F.D. F.E. FIDS FIN. FIN. FL. FIXT. F.O. FRTW. F.S. FT. FTG. FURN.	FLOOR DRAIN FIRE EXTINGUISHER FLIGHT INFORMATION DISPLAY SYSTEM FINISH FINISH FLOOR FIXTURE FACE OF FIRE RETARDANT TREATED WOOD FLOOR SINK FOOT FOOTING FURNACE	SAT S.C. SCR. SHT. SIM. SPEC. S/S, S.S. STD. STOR. ST. STL STRUCT. SURF. MTD.	SUSPENDED ACOUSTICAL CEILING SOLID CORE SCREEN SHEET SIMILAR SPECIFCATION / PROJECT MANUAL STAINLESS STEEL STANDARD STORAGE STAIN(ED) STEEL STRUCTURAL SURFACE MOUNTED			MATERIAL INDICATIONS				
		GA. GALV. G.C. GOVT. G.P.M. GRD. G.W. GYP. G.W.B.	GUAGE GALVANIZED GENERAL CONTRACTOR GOVERNMENT GALLONS PER MINUTE GROUND GREASY WASTE GYPSUM GYPSUM WALL BOARD	T TEL. TEMP. THR. THRU. T&G TOP OF T.F. TYP.	TREAD TELEPHONE TEMPERATURE THRESHOLD THROUGH TONGUE AND GROOVE TOP OF TROWEL FINISH TYPICAL	             	METAL - FERROUS (STEEL) BATT / BLANKET INSULATION RIGID INSULATION GYPSUM BOARD PLYWOOD WOOD ROUGH (CONTINUOUS) WOOD ROUGH (SPACED) ACOUSTIC TILE COMPACTED EARTH GRAVEL / CRUSHED STONE CONCRETE MASONRY CONCRETE METAL STUD PARTITION (LARGE SCALE) SMALL SCALE METAL					
		H.B. H.C. H.D. HEX. H.M. H.C. H.P. HPDL HR. HT., HGT. H.W.	HOSE BIBB HOLLOW CORE HAND DRYER HEXAGONAL HOLLOW METAL HANDICAP HORSE POWER / HIGH POINT HIGH PRESSURE DECORATIVE LAMINATE HOUR HEIGHT HOT WATER	U.C. U.L. U.N.O. UR.	UNDER CUT UNDERWRITERS LABORATORY UNLESS NOTED OTHERWISE URINAL							
		I.D. IN. INT.	INSIDE DIAMETER INCH INTERIOR									