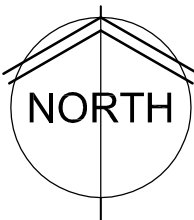


**ALTERNATES
OVERALL SITE PLAN**

0 10' 20' 40'
SCALE: 1" = 20'



WDM Architects P.A.
105 North Washington
Wichita, KS 67202-2815
T 316.262.4700
F 316.262.0002
wdmarchitects.com

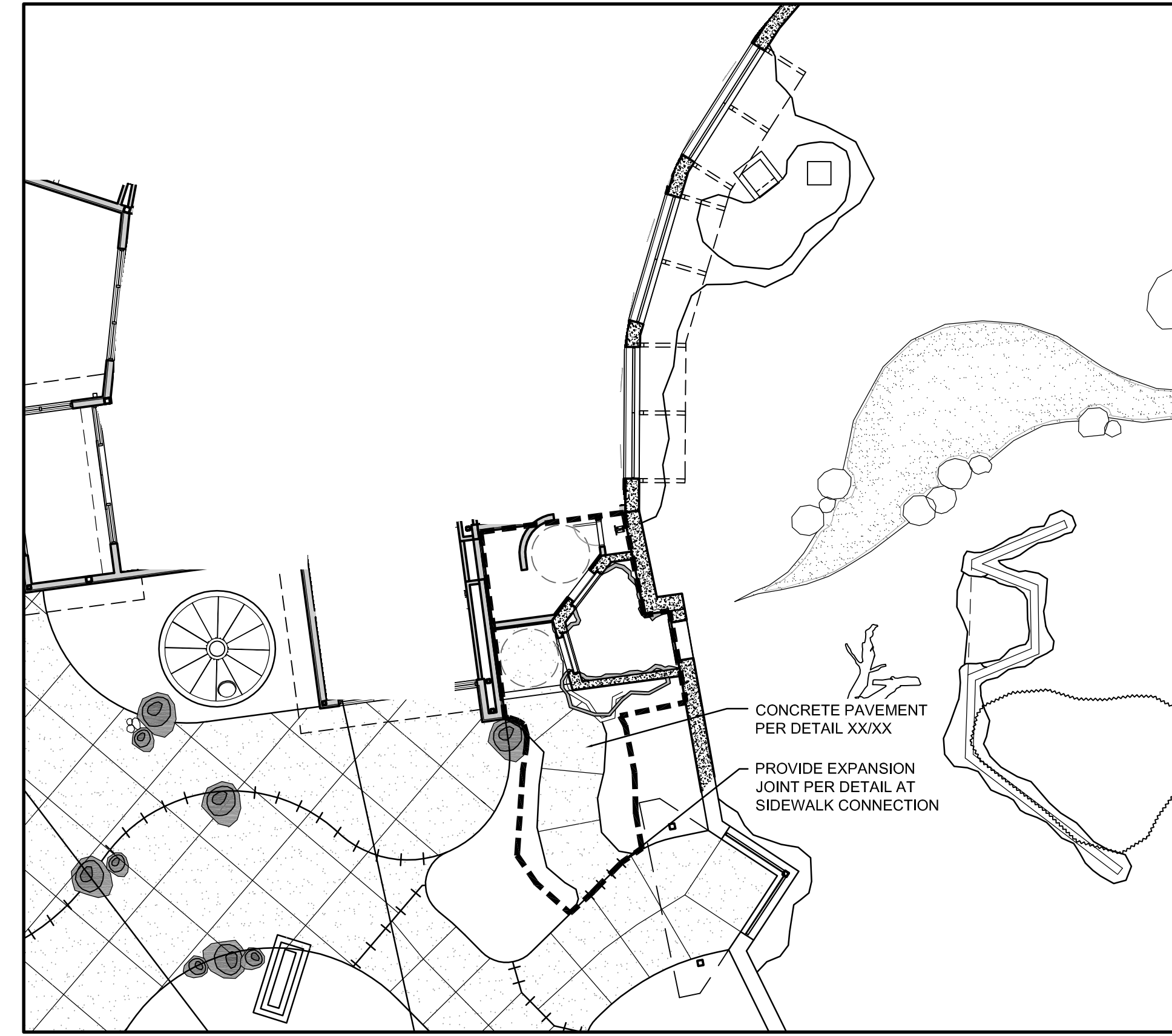


ARCTIC ANIMAL EXHIBIT AND CONCESSIONS
RFB No. 313086
Henry Vilas Zoo - County of Dane
Department of Public Works
1919 Alliant Energy Center Way
Madison, Wisconsin

PRINTS ISSUED
07.26.2013 - Schematic Design
08.23.2013 - Design Development
09.23.2013 - 65% CD's
10.07.2013 - Pricing Set
10.21.2013 - 95% CD's
11.13.2013 - Bid Documents

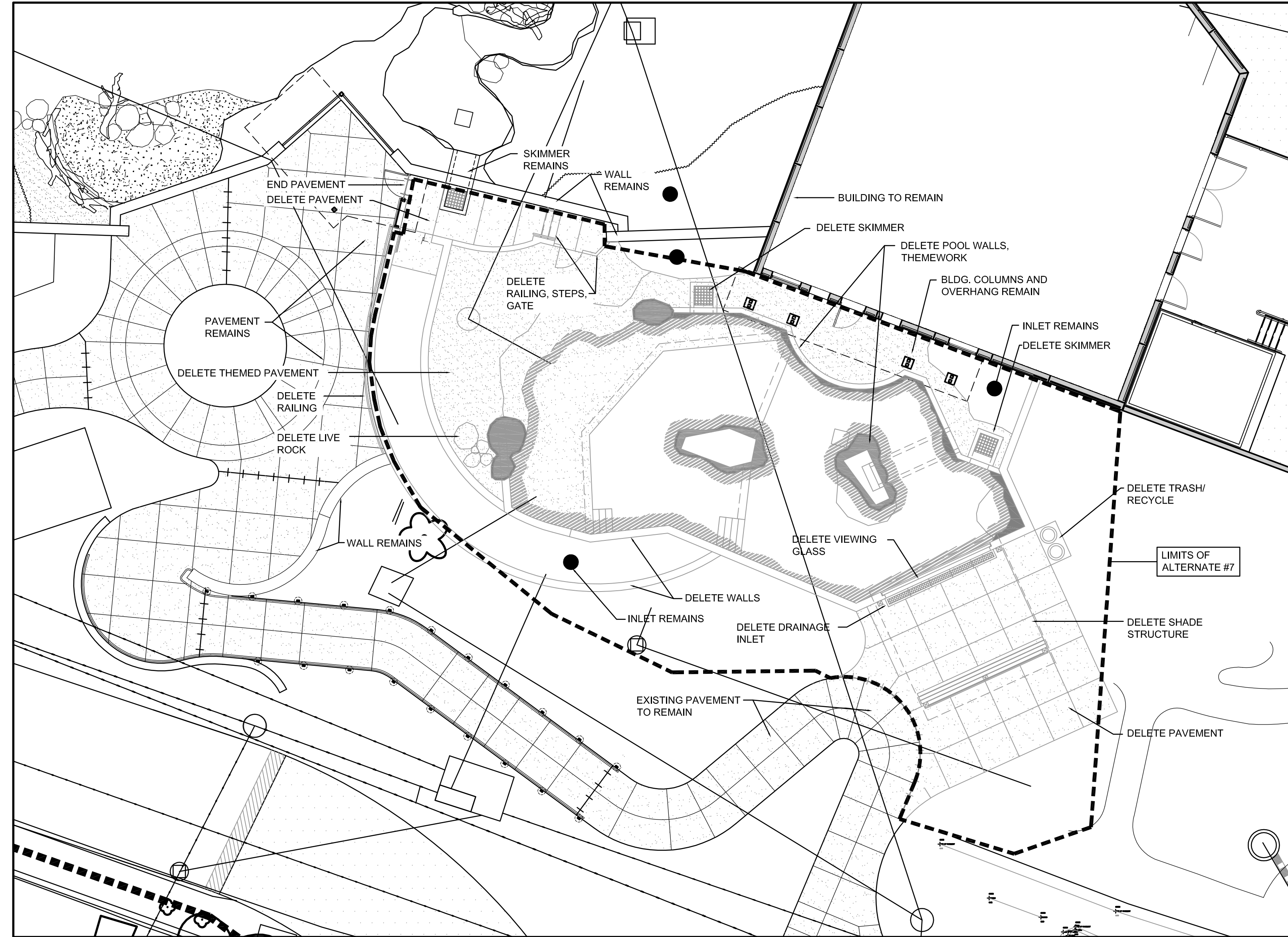
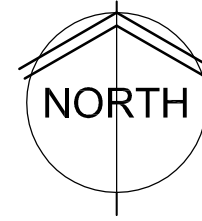
WDM No. 13046 drawn: NS
checked: SR
OVERALL SITE ALTERNATES

SA2.0



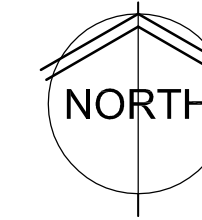
**BEAR DEN- ALT. #6
SITE LAYOUT PLAN**

0 5' 10' 20'
SCALE: 1" = 10'



**DELETE SEAL EXHIBIT AND POOL
AT ALTERNATE #7**

0 5' 10' 20'
SCALE: 1" = 10'



WDM Architects P.A.
105 North Washington
Wichita, KS 67202-2815
T 316.262.4700
F 316.262.0002
wdmarchitects.com

we do more

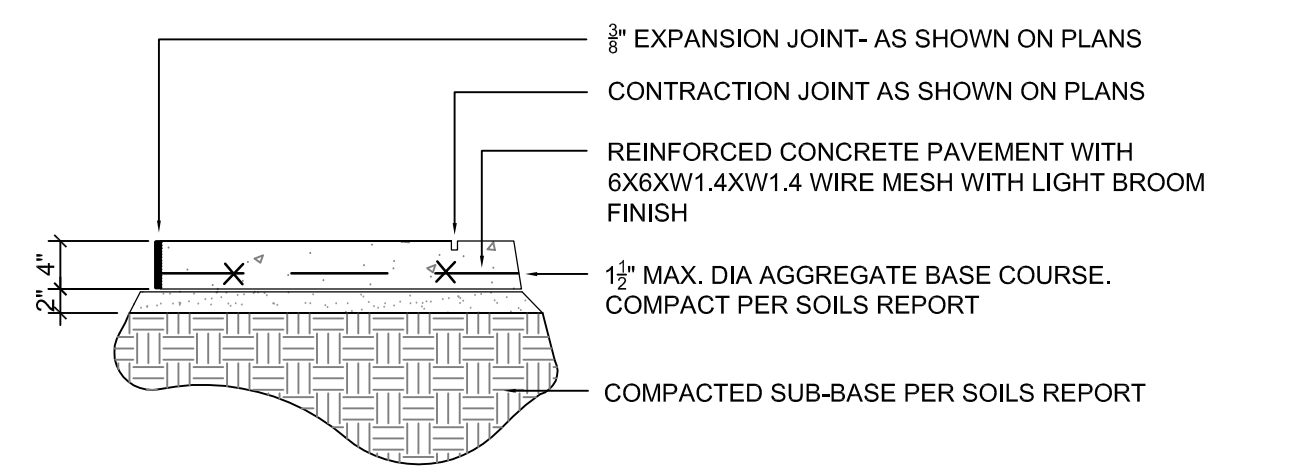


ARCTIC ANIMAL EXHIBIT AND CONCESSIONS
RFB No. 313086
Henry Vilas Zoo - County of Dane
Henry Vilas Zoo - Department of Public Works
702 S Randall Ave 1919 Alliant Energy Center Way
Madison, Wisconsin Madison, Wisconsin

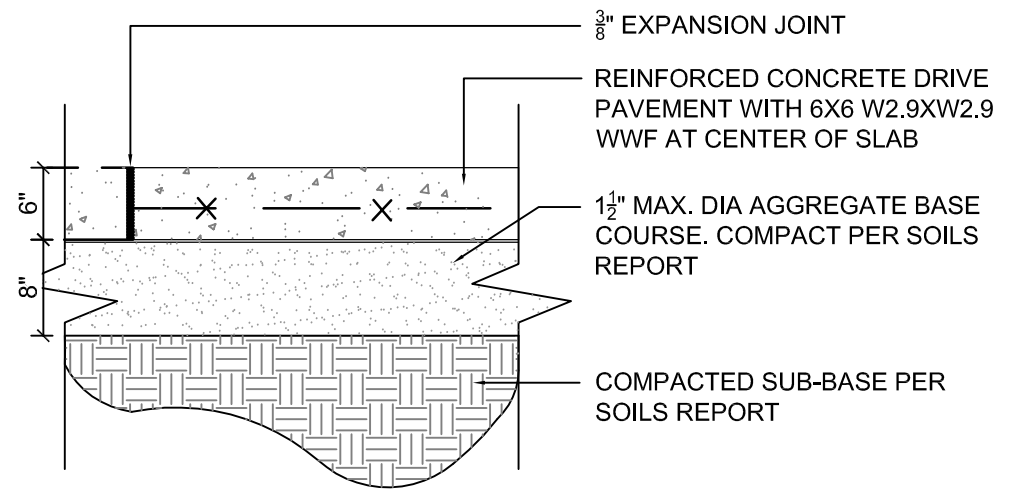
PRINTS ISSUED
07.26.2013 - Schematic Design
08.23.2013 - Design Development
09.23.2013 - 65% CD's
10.07.2013 - Pricing Set
10.21.2013 - 95% CD's
11.13.2013 - Bid Documents

WDM No. 13046 drawn: NS
checked: SR
SITE ALTERNATES PLAN

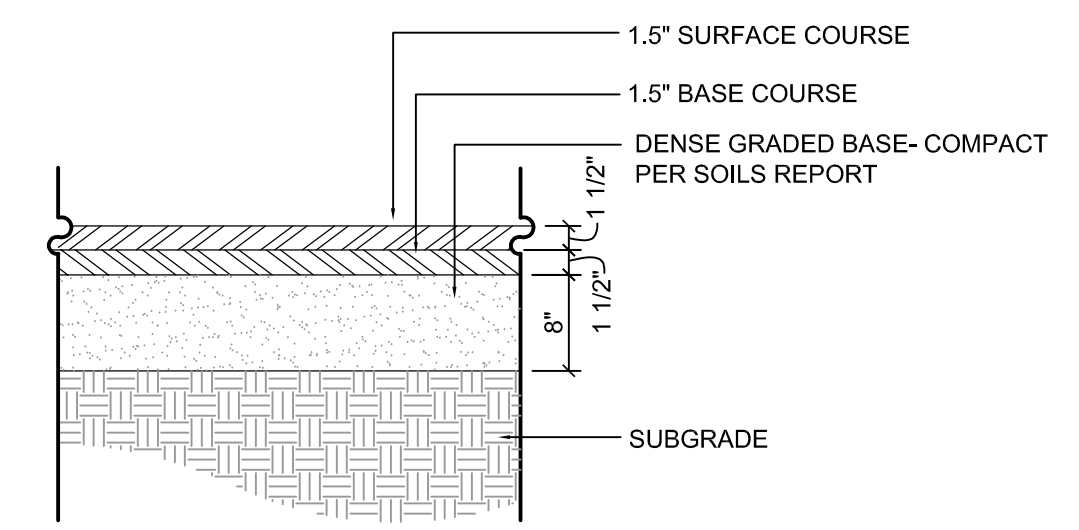
SA2.1



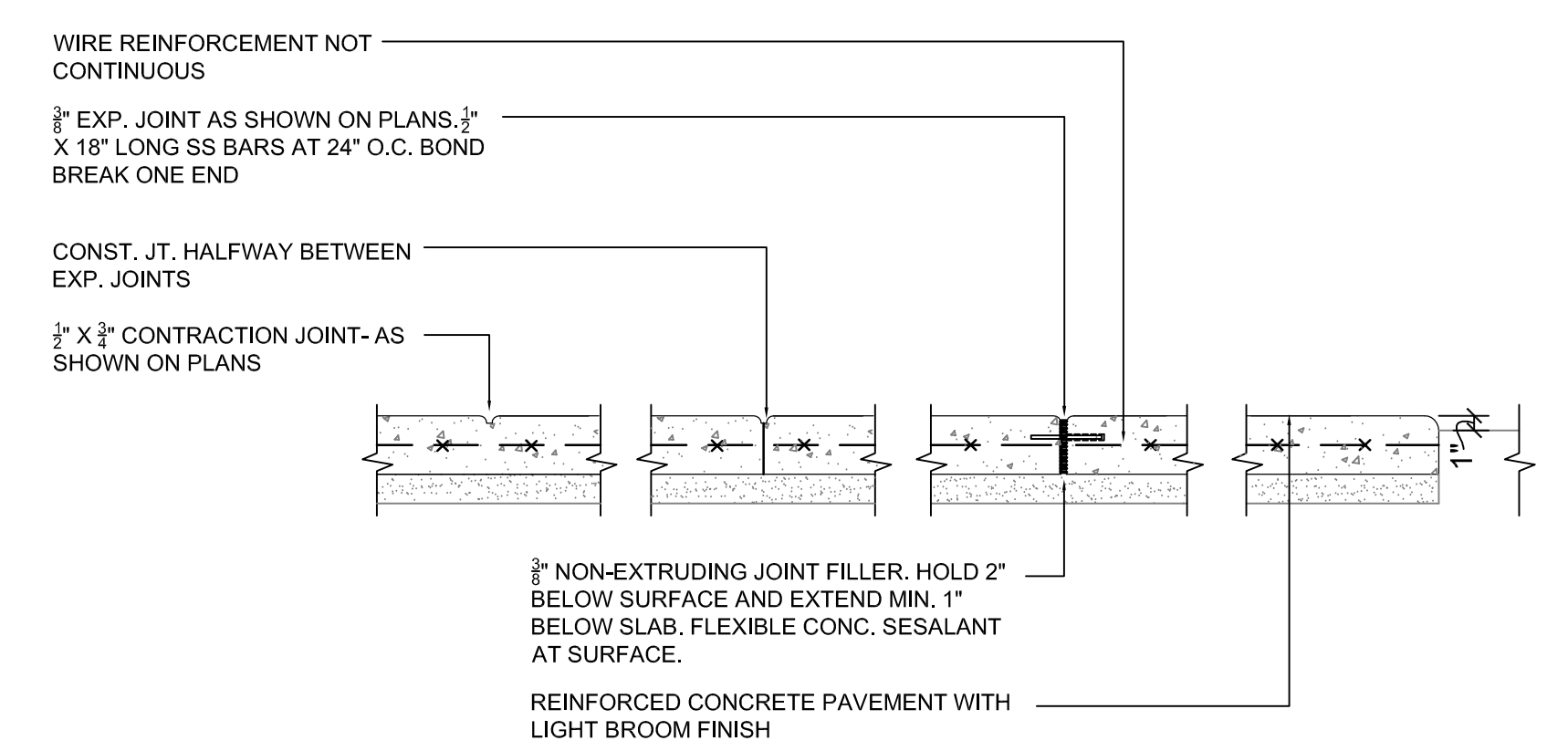
A 4" THICK CONCRETE PAVEMENT
3/4" = 1' - 0"
0 8" 16"



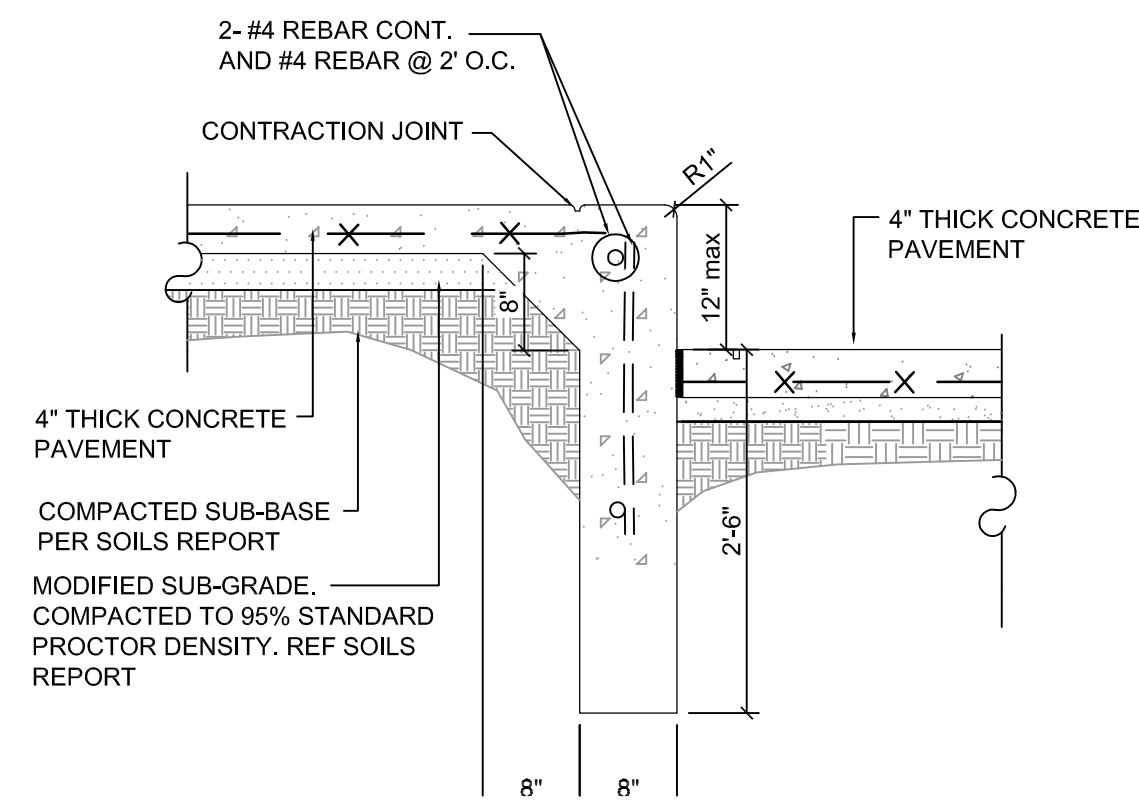
B 6" THICK CONCRETE PAVEMENT
3/4" = 1' - 0"
0 8" 16"



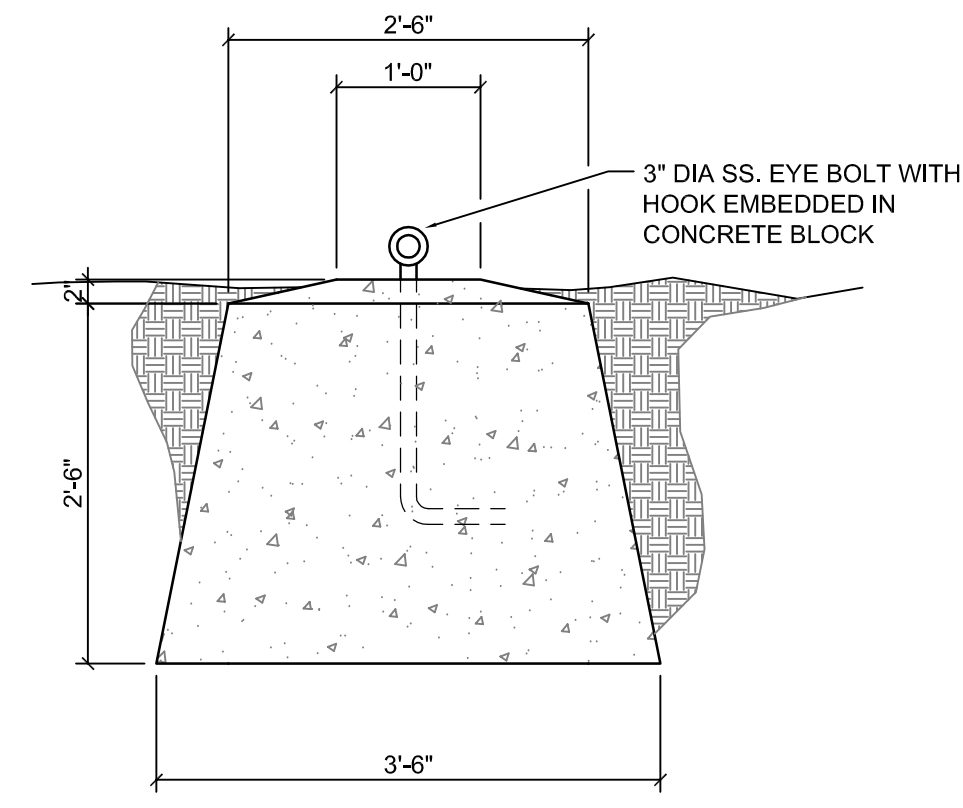
C ASPHALT PAVEMENT DETAIL
3/4" = 1' - 0"
0 8" 16"



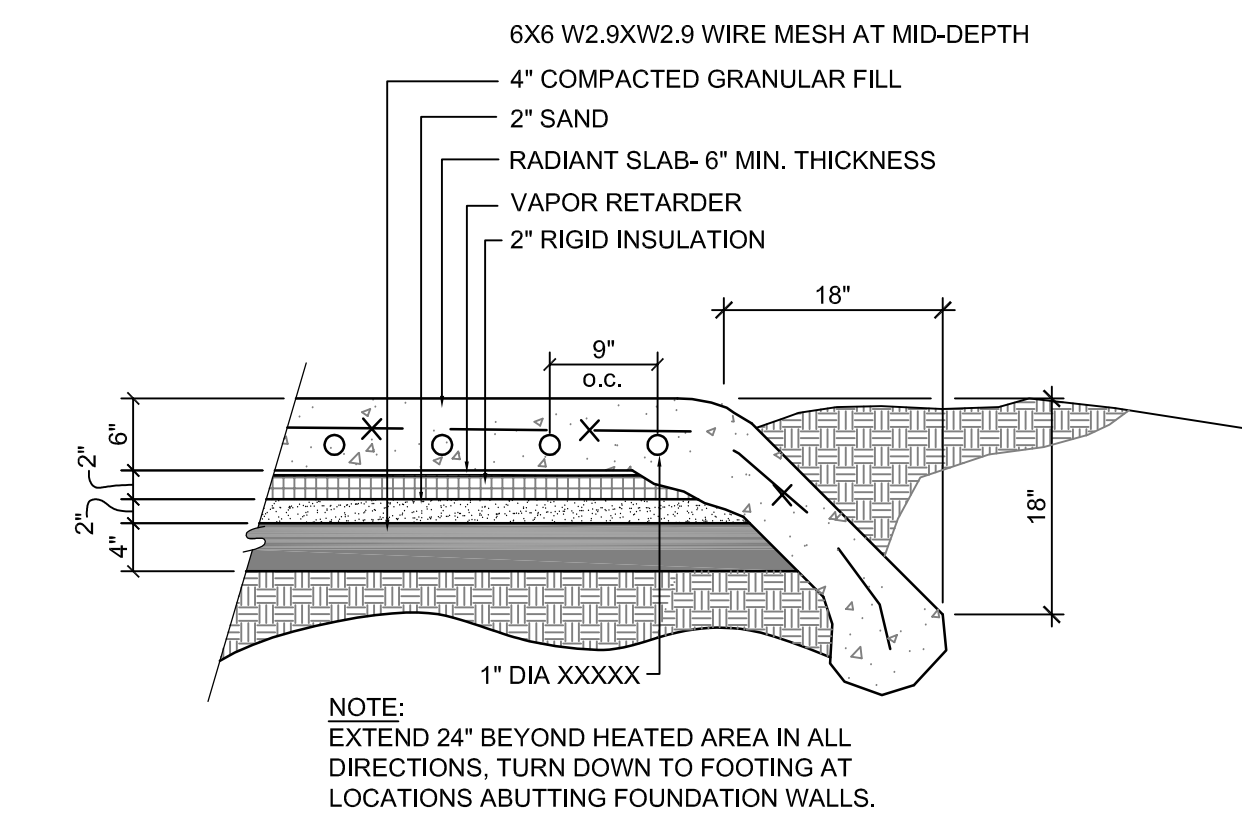
D PAVEMENT JOINT DETAILS
3/4" = 1' - 0"
0 8" 16"



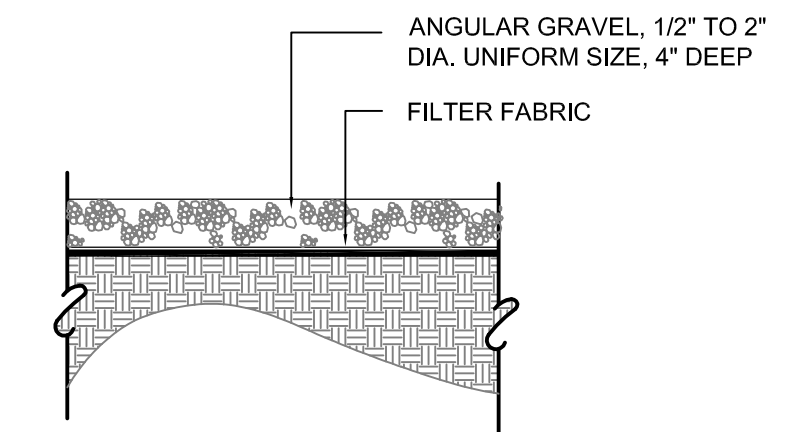
E THICKENED EDGE WALK
3/4" = 1' - 0"
0 8" 16"



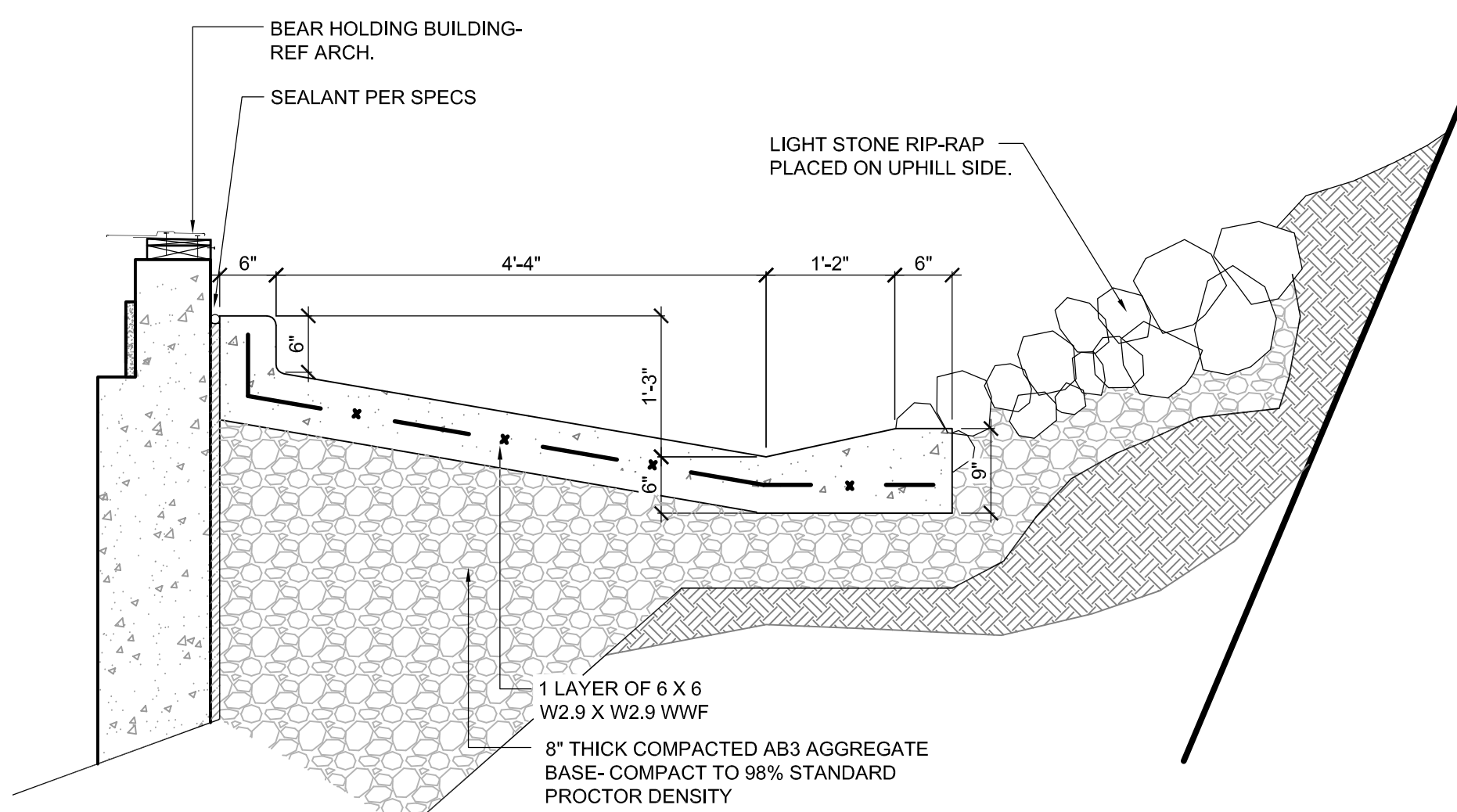
F DEADFALL MOUNTING BLOCK
3/4" = 1' - 0"
0 8" 16"



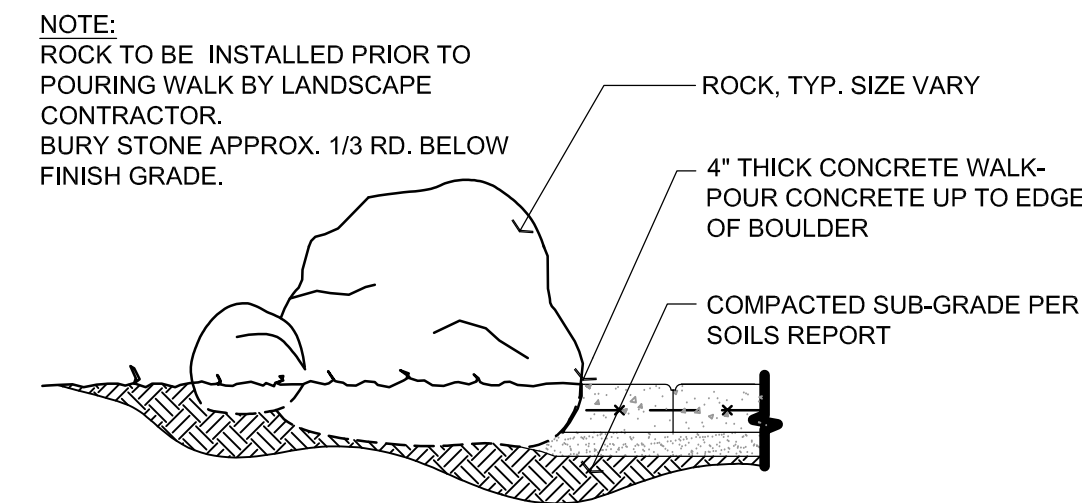
G HOT ROCK DETAIL
3/4" = 1' - 0"
0 8" 16"



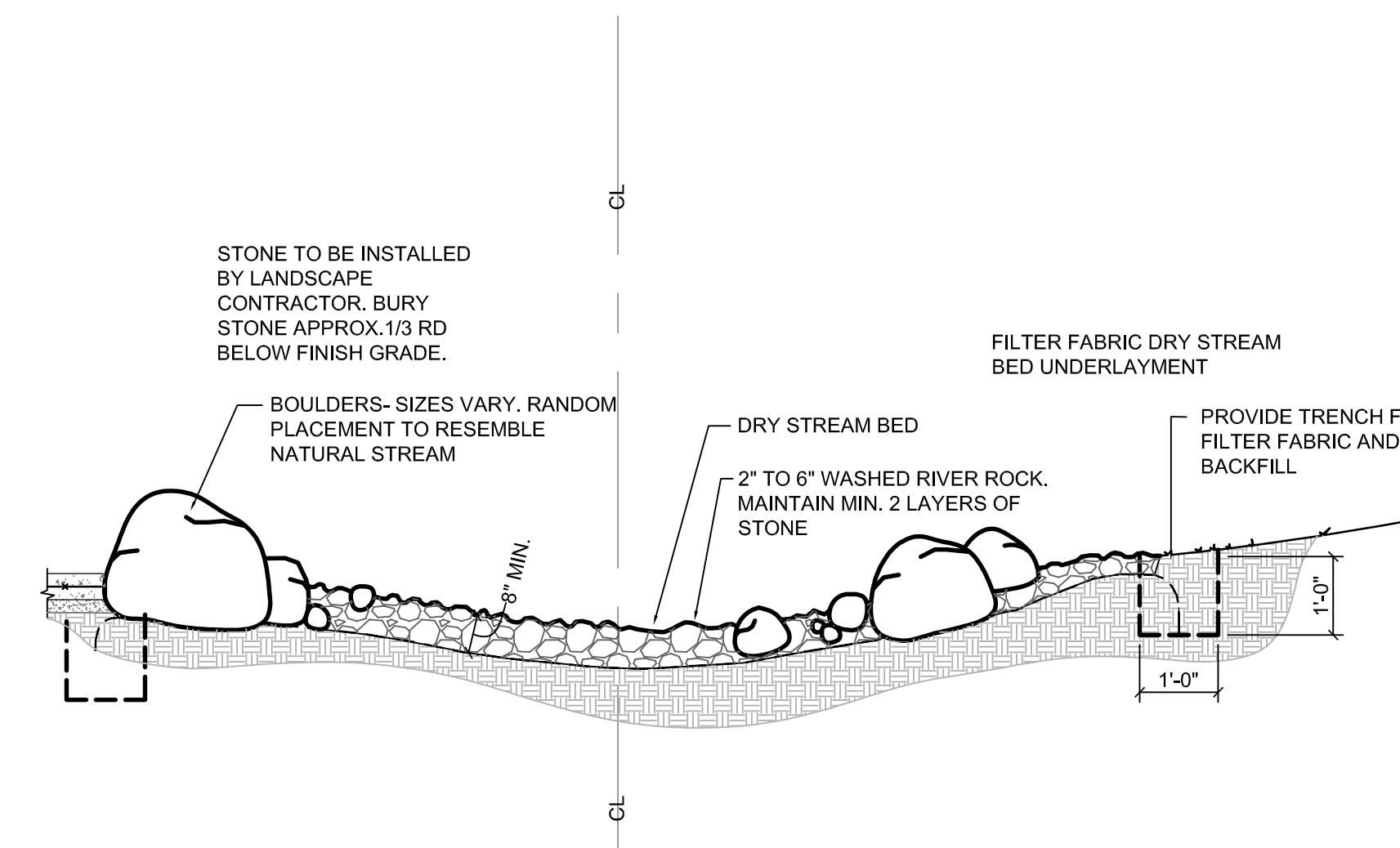
H ANGULAR GRAVEL
3/4" = 1' - 0"
0 8" 16"



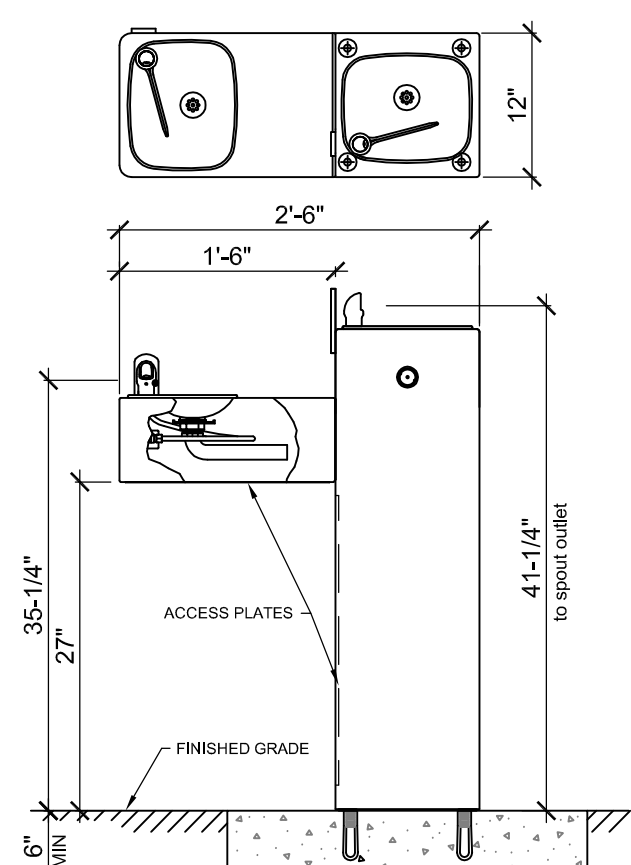
I CONCRETE FLUME
3/4" = 1'-0"
0 8" 16"



J BOULDER AT PAVEMENT DETAIL
3/4" = 1' - 0"
0 8" 16"

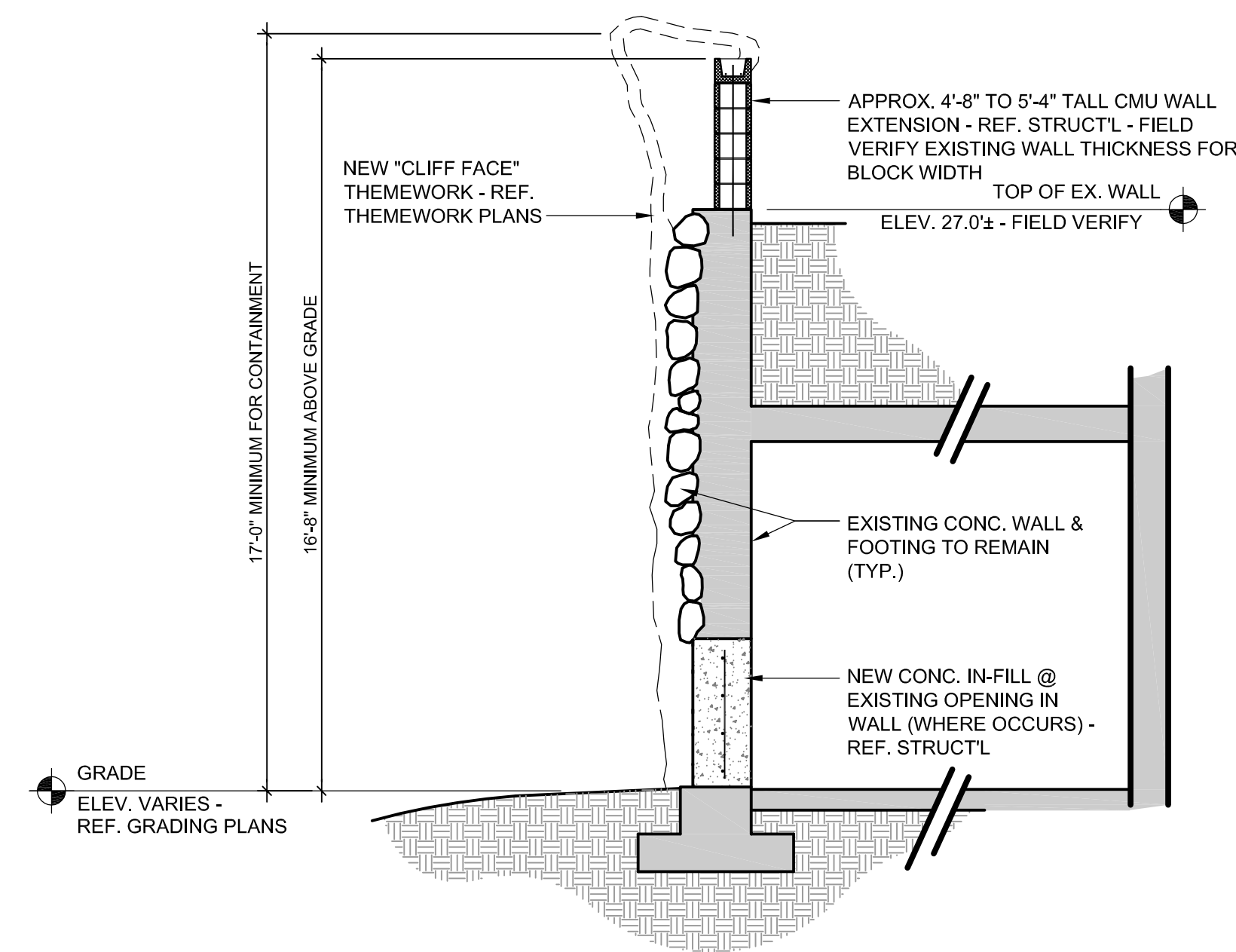


K DRY STREAM AND BOULDER INSTALL DETAIL
1/2" = 1' - 0"
0 1' 2"

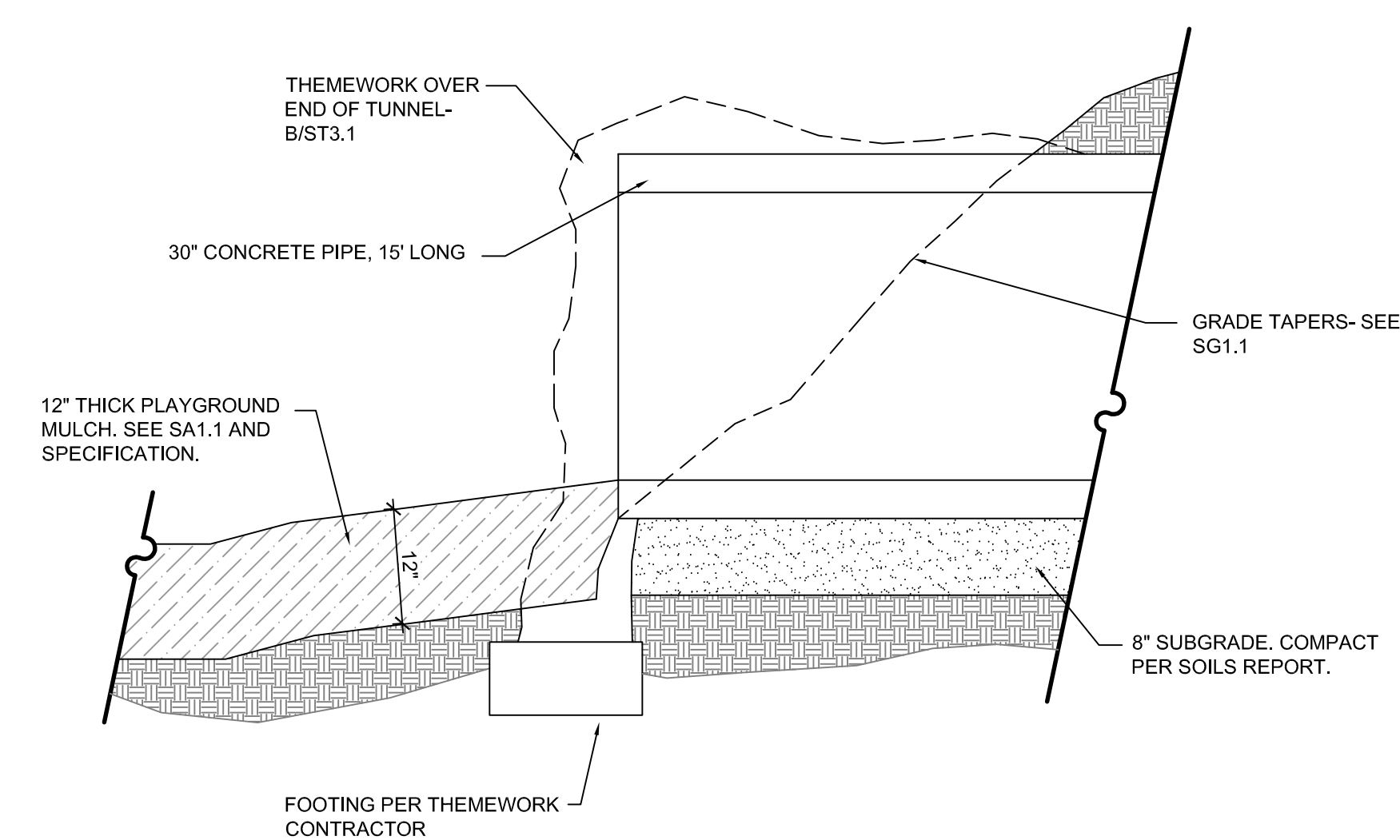


NOTE: DRINKING FOUNTAIN MANUFACTURED BY HAWS COMPANY. MODEL NO:3200
1. INSTALL PER MANUFACTURERS RECOMMENDATIONS
2. SEE PLUMBING PLANS FOR CONNECTIONS.
3. MOUNT ON CONCRETE PAD.

L DRINKING FOUNTAIN
3/4" = 1'-0"
0 8" 16"



M SECTION THRU EXISTING TUNNEL
NTS



N CRAWL TUNNEL
3/4" = 1' - 0"
0 8" 16"



WDM Architects P.A.
105 North Washington
Wichita, KS 67202-2815
T 316.262.4700
F 316.262.0002
wdmarchitects.com

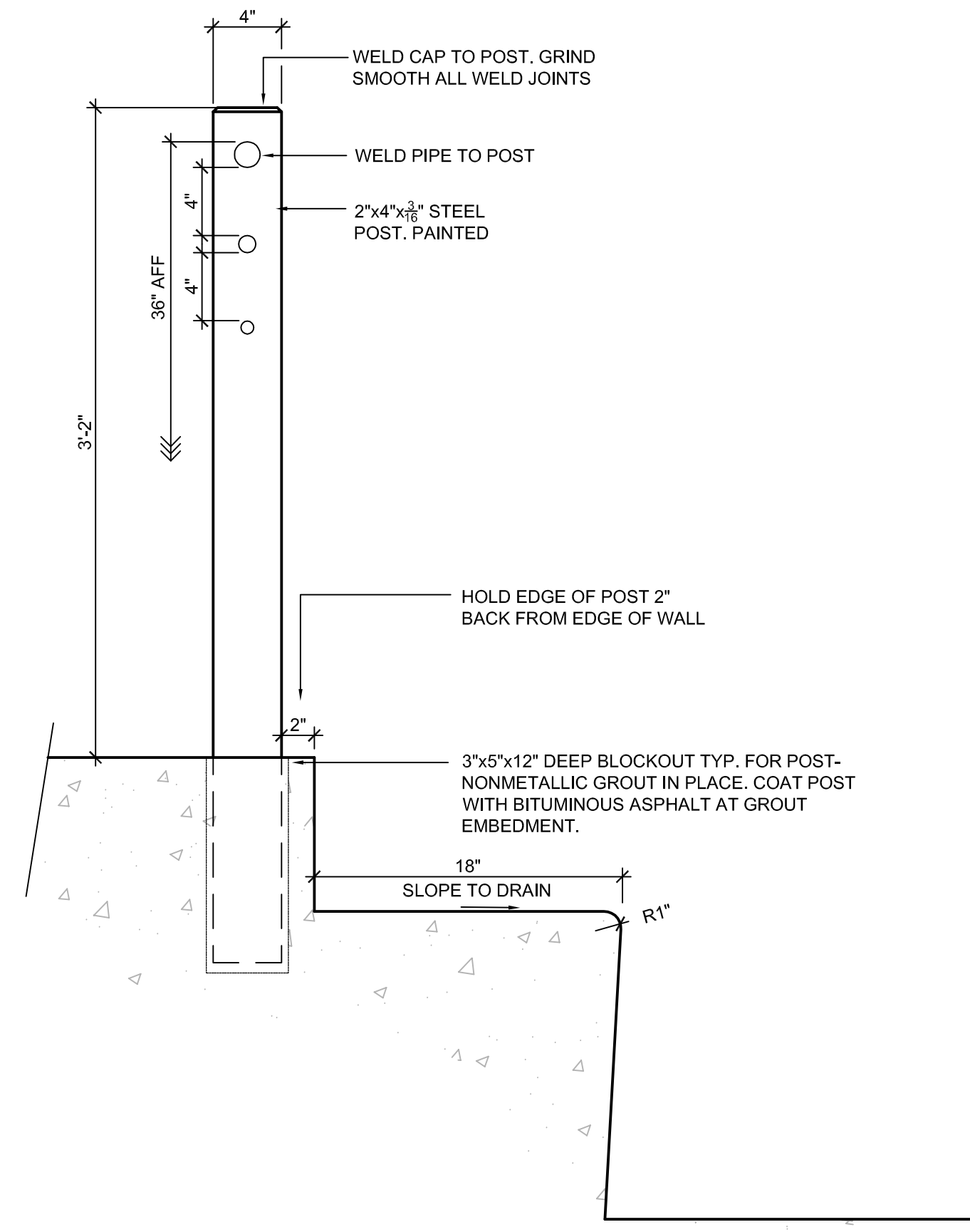


ARCTIC ANIMAL EXHIBIT AND CONCESSIONS
RFB No. 313086
Henry Vilas Zoo - County of Dane
Henry Vilas Zoo - Department of Public Works
702 S Randall Ave
1919 Alliant Energy Center Way
Madison, Wisconsin

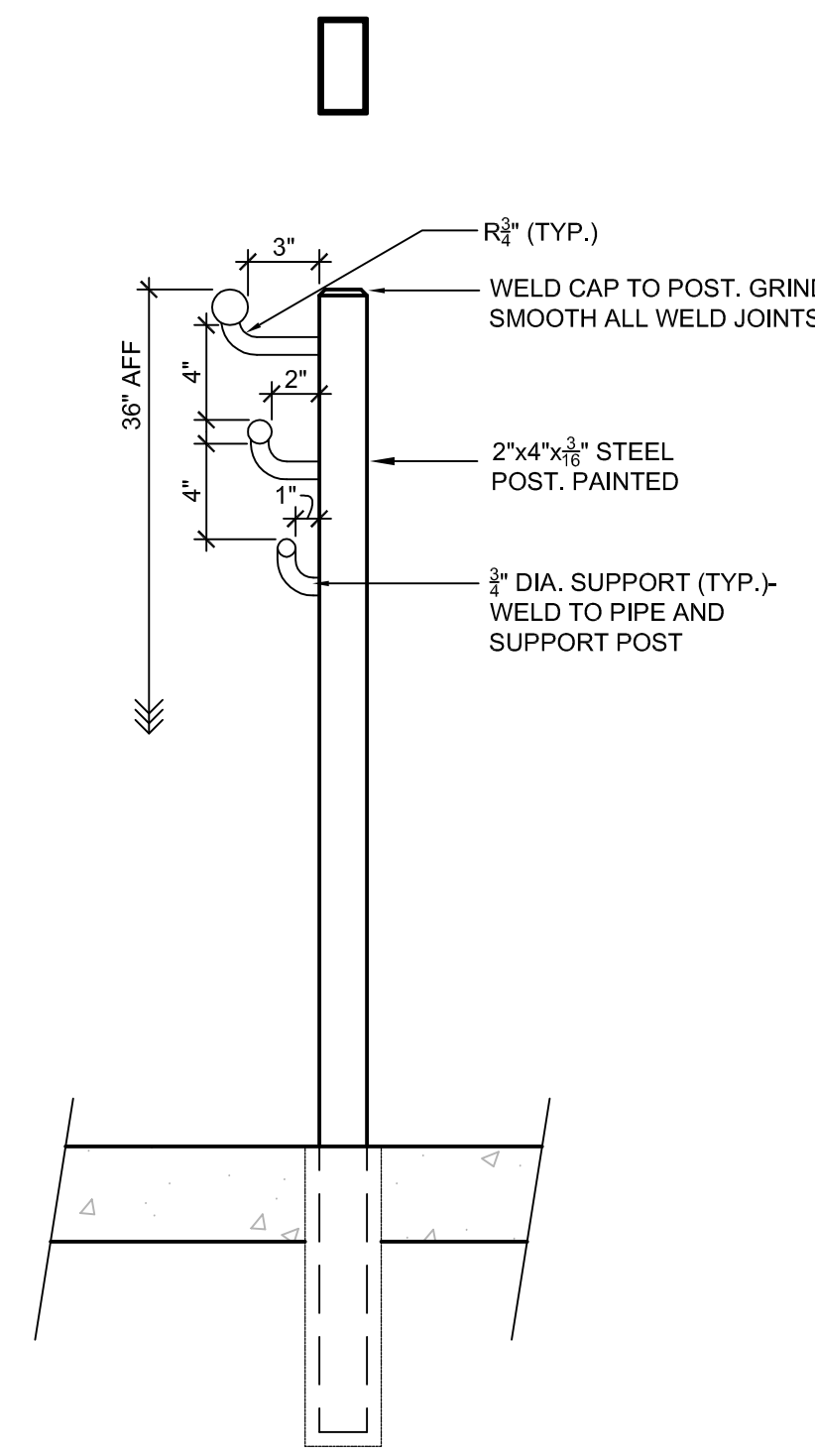
PRINTS ISSUED
07.26.2013 - Schematic Design
08.23.2013 - Design Development
09.23.2013 - 65% CD's
10.07.2013 - Pricing Set
10.21.2013 - 95% CD's
11.13.2013 - Bid Documents

WDM No. 13046
drawn: NS
checked: SR
POOL DETAILS

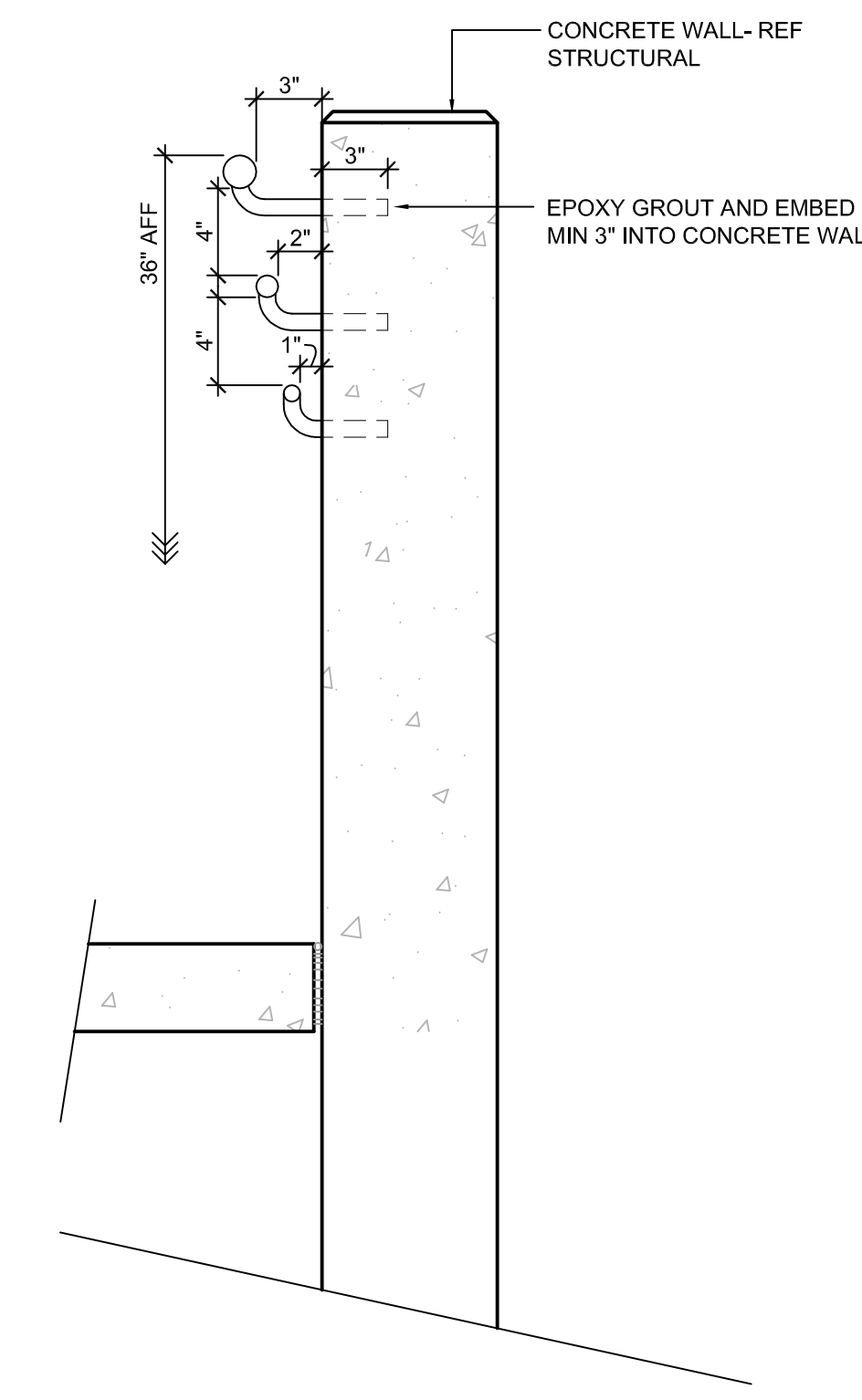
SA3.0



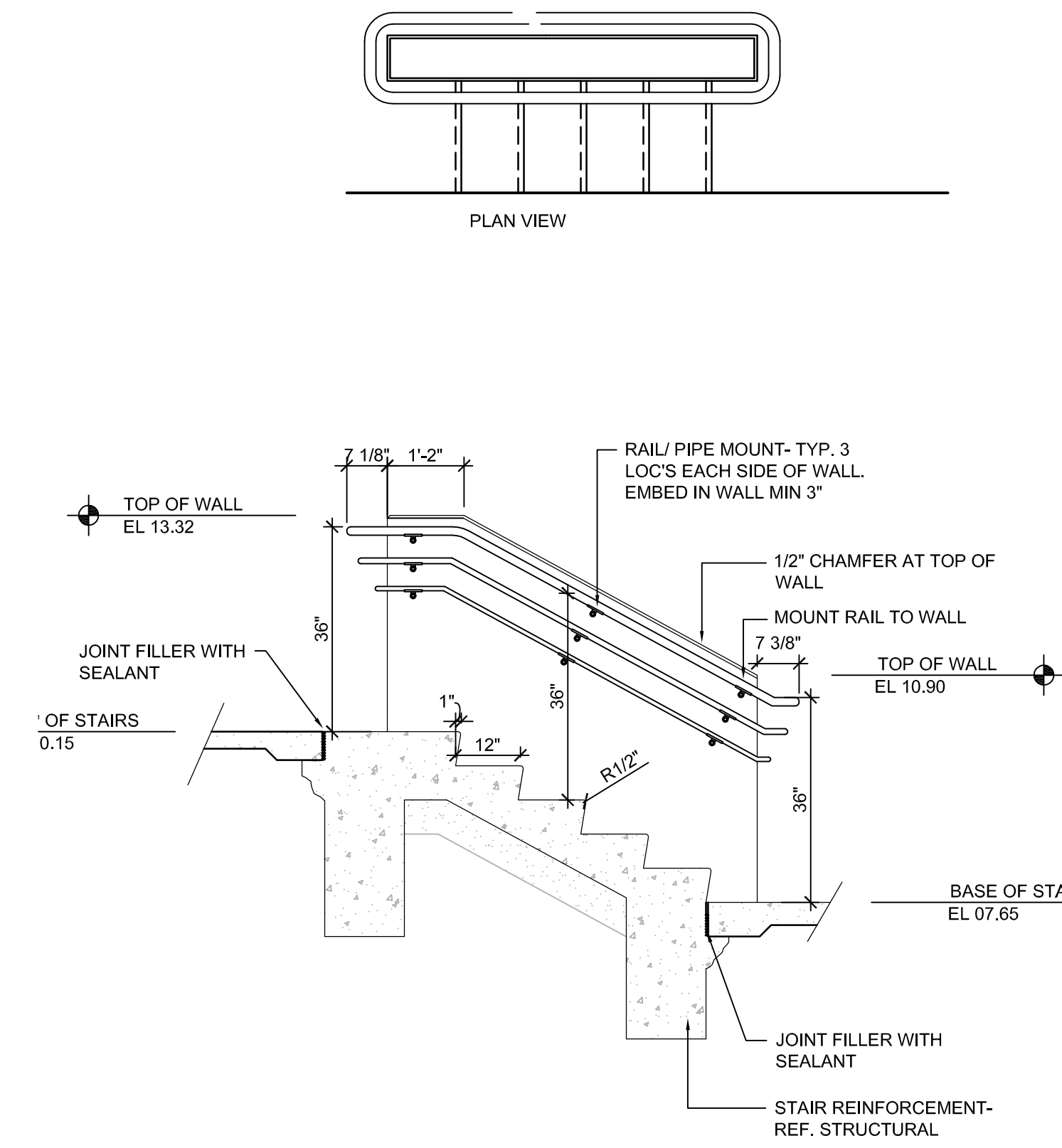
A RAILING TYPE 1
1 1/2" = 1' - 0"
0 6" 12"



B RAILING TYPE 2
1 1/2" = 1' - 0"
0 6" 12"

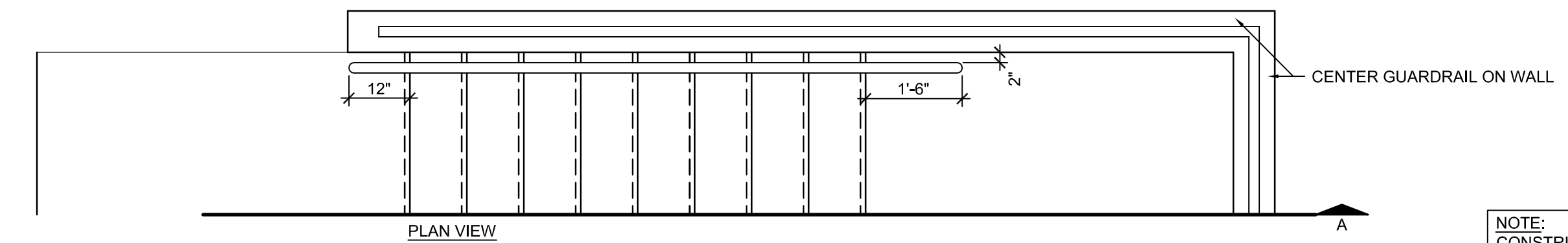


C RAILING TYPE 2 AT CONC. WALL
1 1/2" = 1' - 0"
0 6" 12"

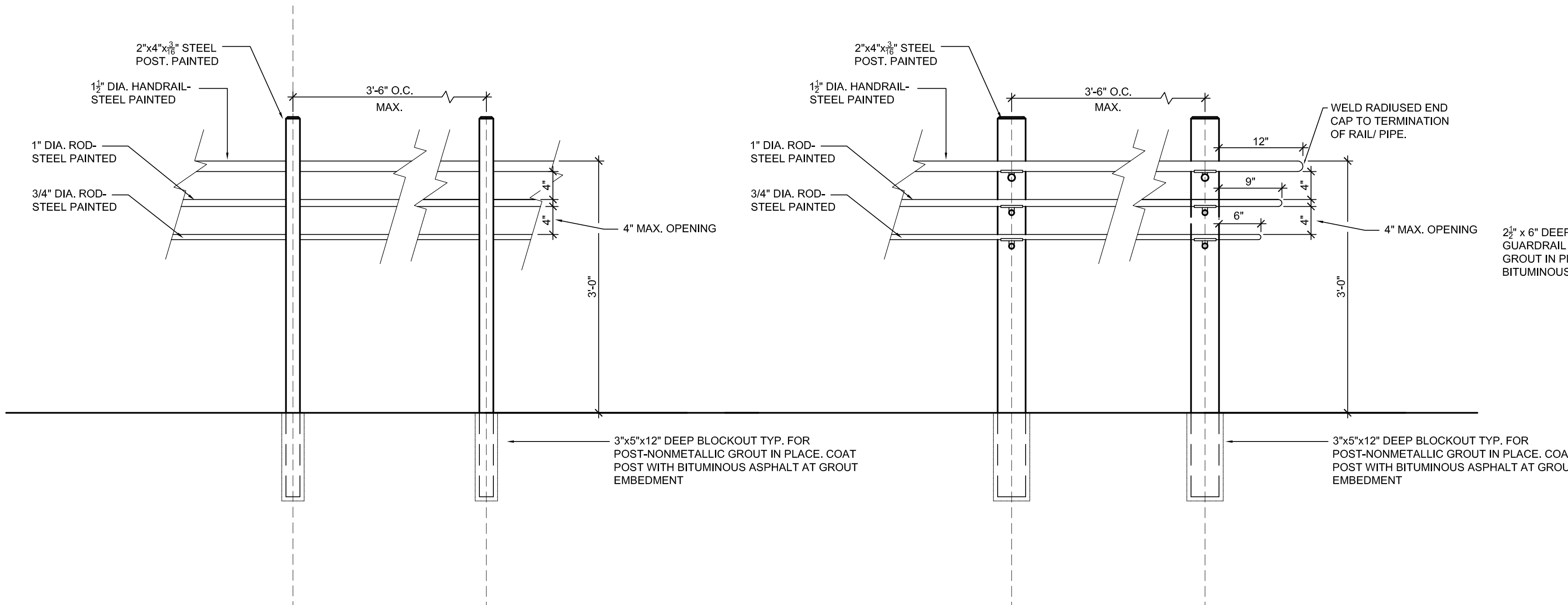


D HANDRAIL AT STAIRS
1/2" = 1' - 0"
0 1' 2"

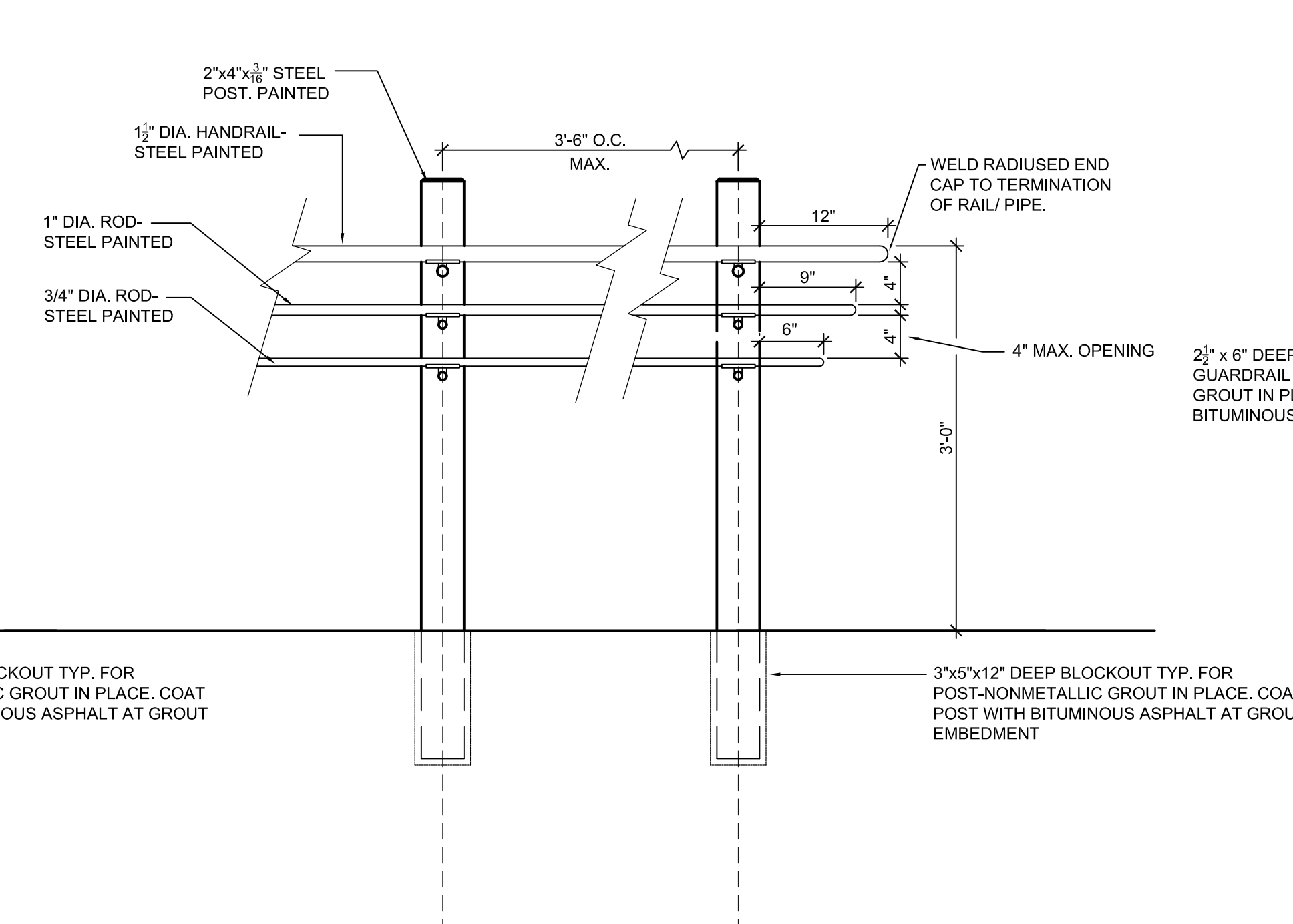
NOTES:
1) COORDINATE COLOR WITH ARCHITECT
2) SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL.



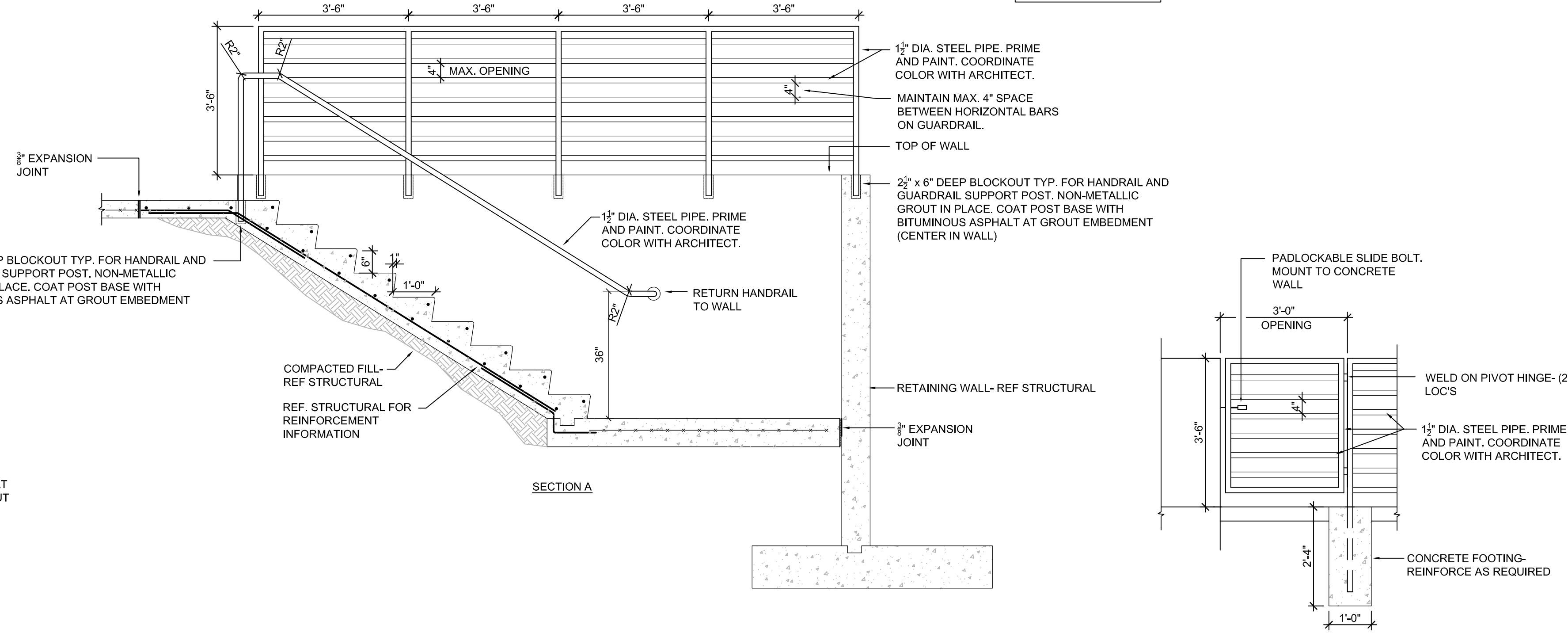
G SERVICE AREA HANDRAIL/ GUARDRAIL/ STEPS DETAIL
1/2" = 1' - 0"
0 1' 2"



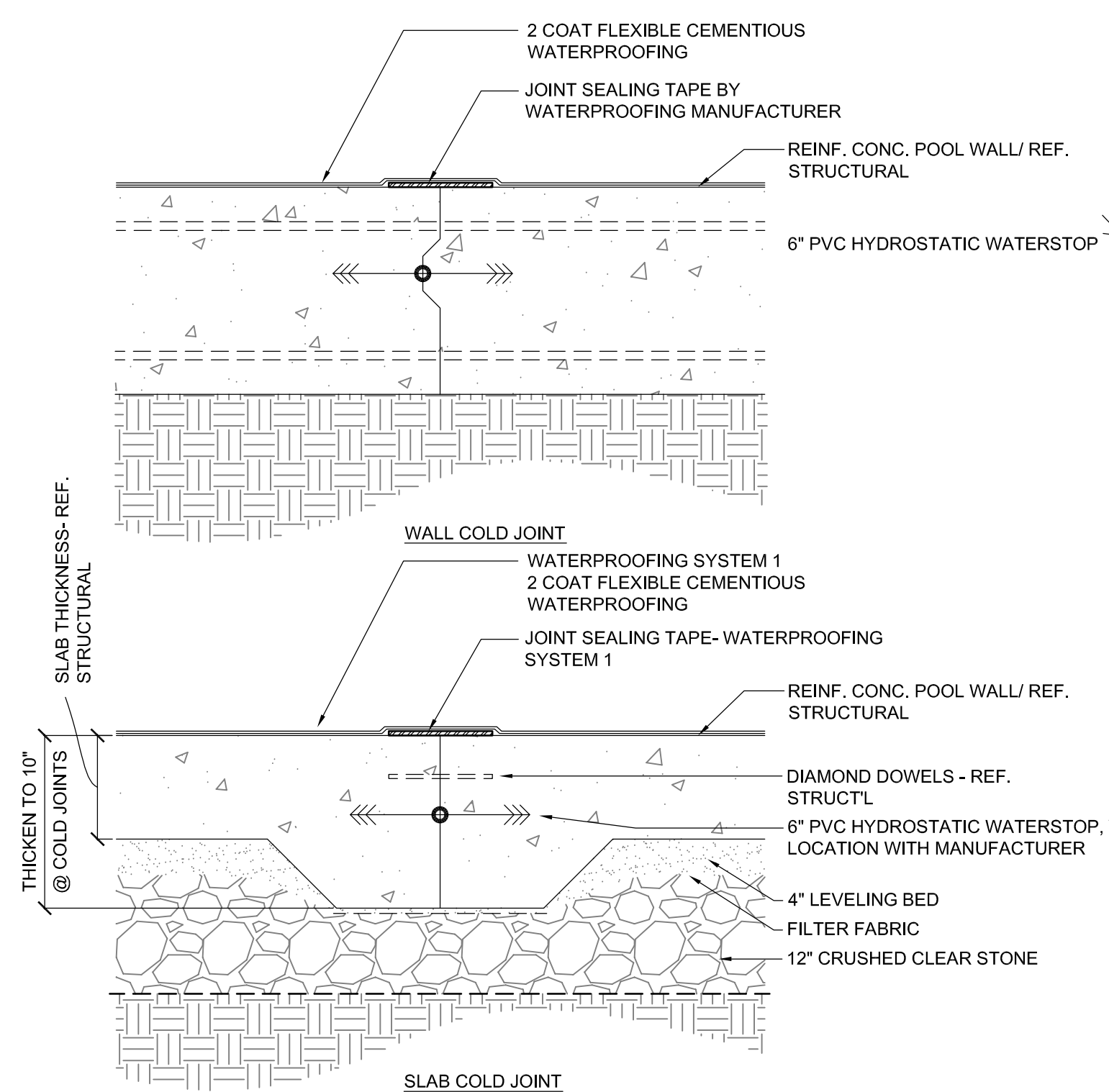
E HANDRAIL- TYPE 1
1" = 1' - 0"
0 6" 12"



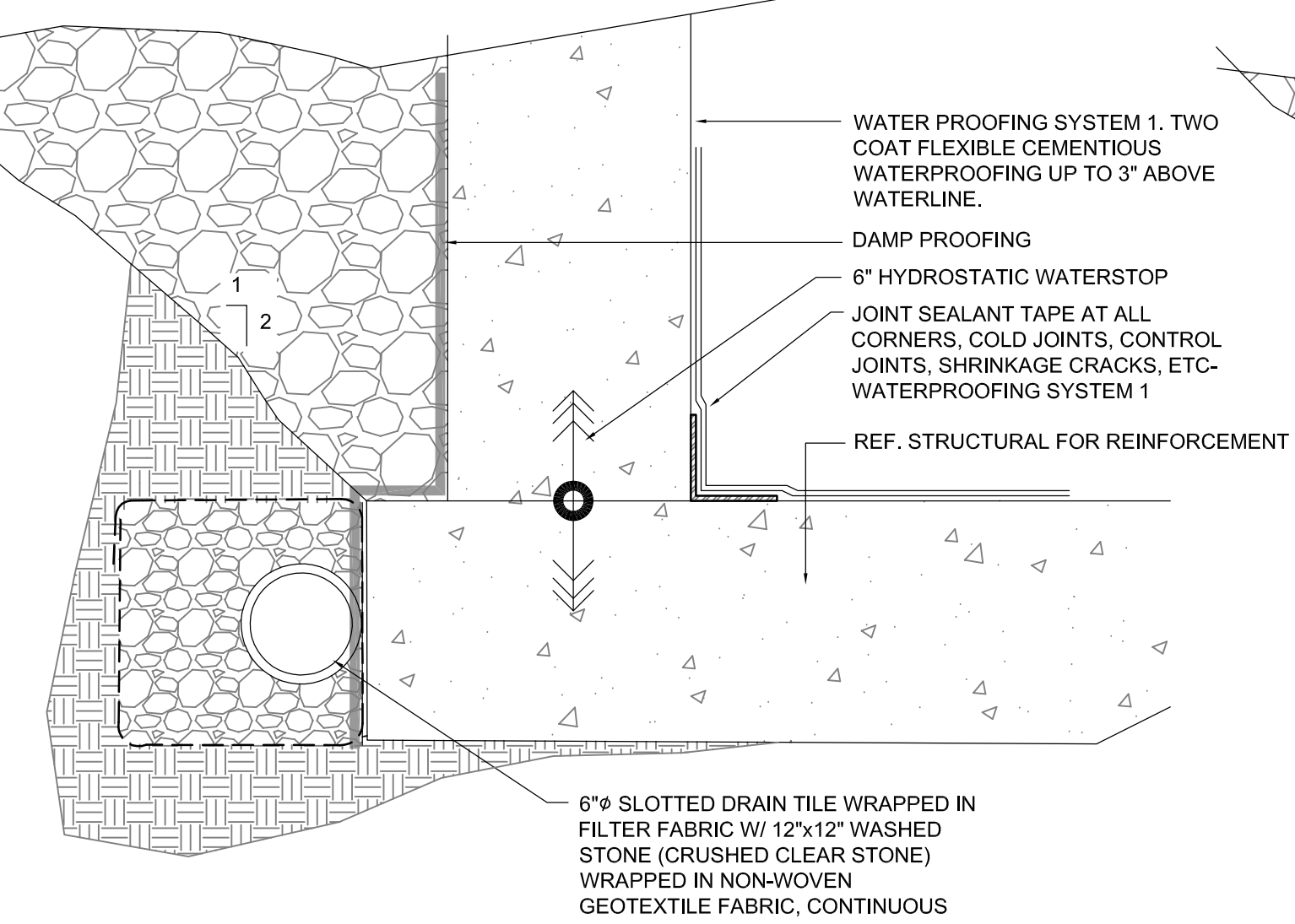
F HANDRAIL- TYPE 2
1" = 1' - 0"
0 6" 12"



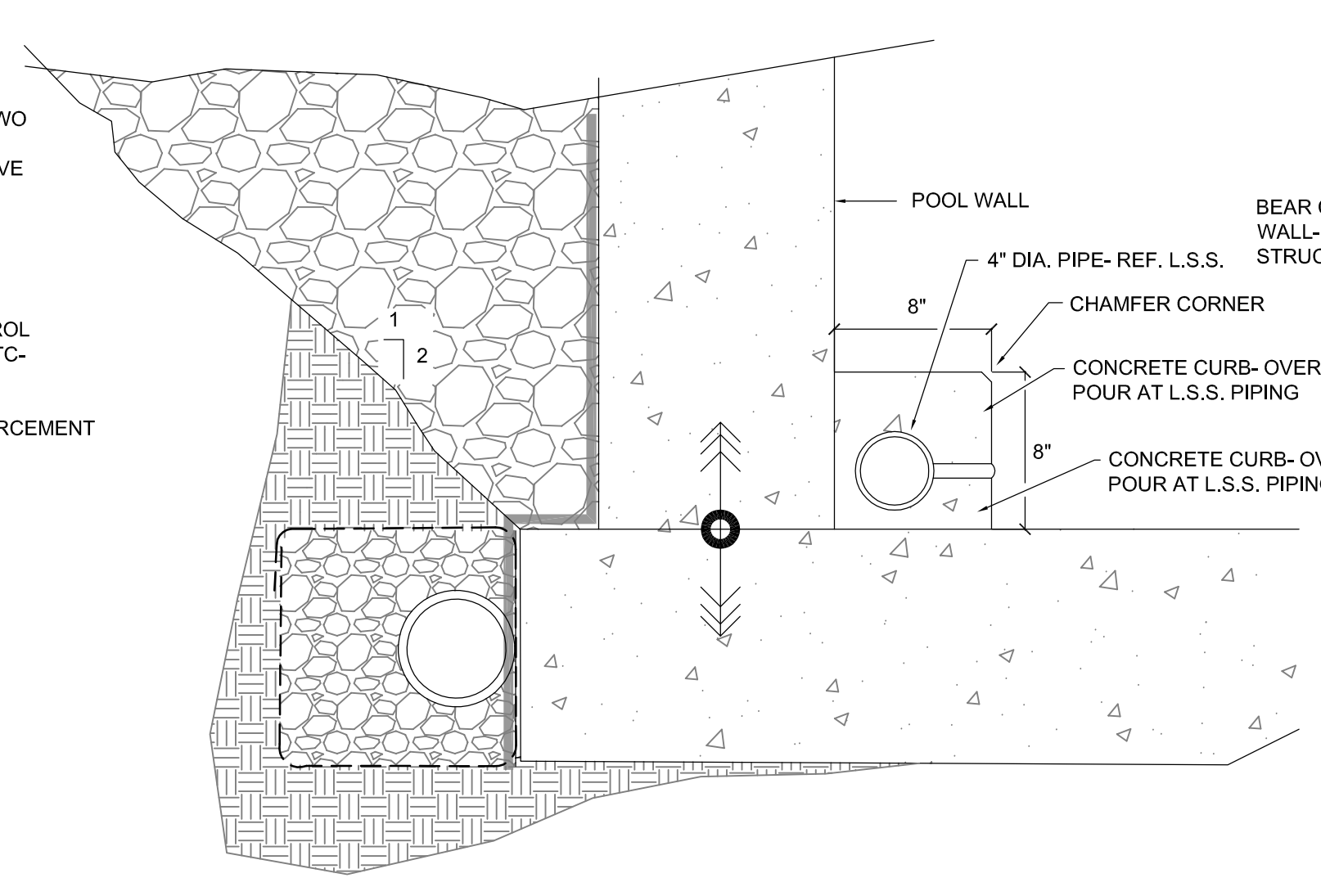
H GATE AT SEAL
1/2" = 1' - 0"
0 1' 2"



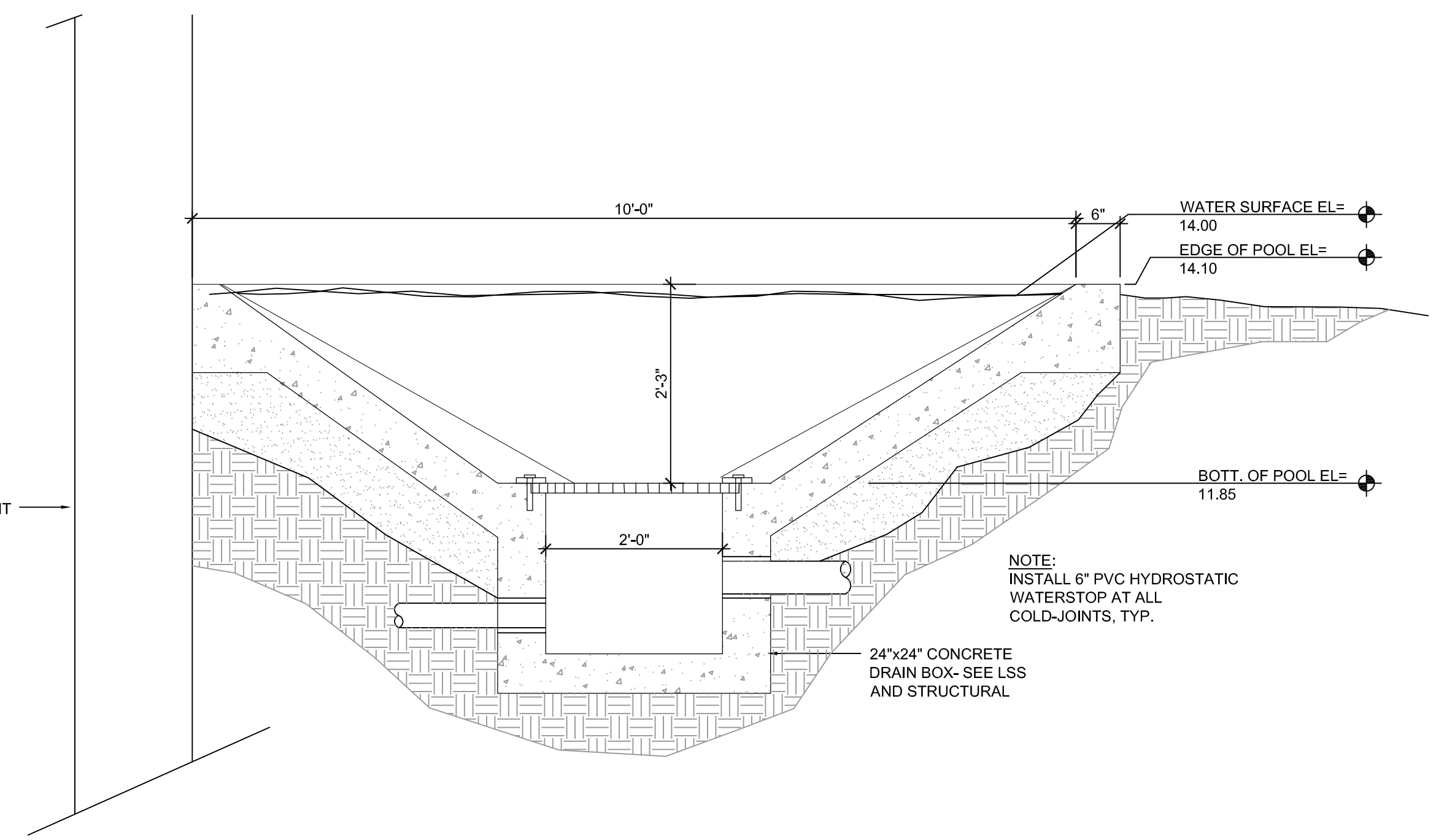
A TYP. POOL COLD JOINT/WATERPROOFING
1 1/2" = 1' - 0"



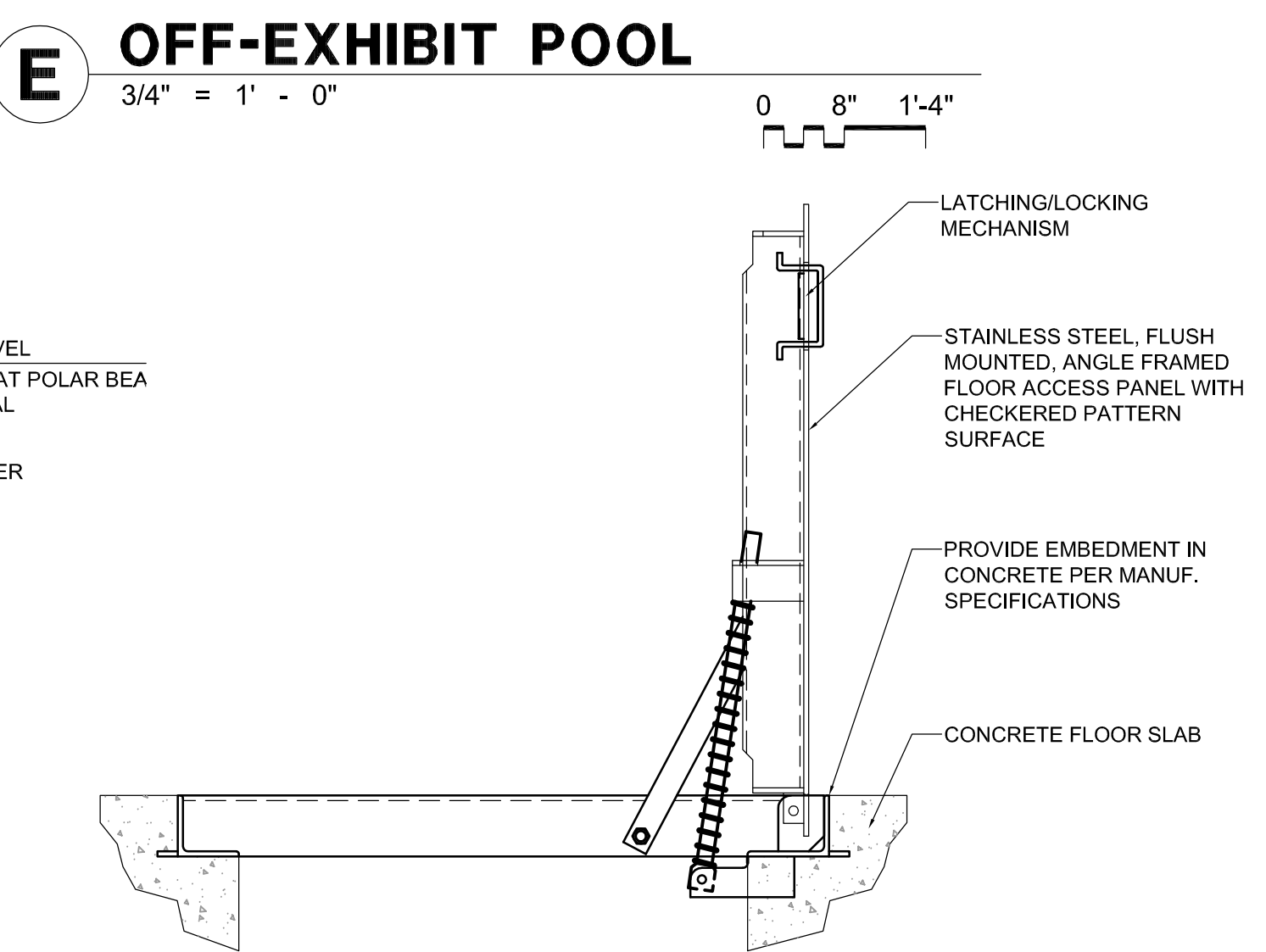
B POOL WATER PROOFING DETAIL
1 1/2" = 1' - 0"



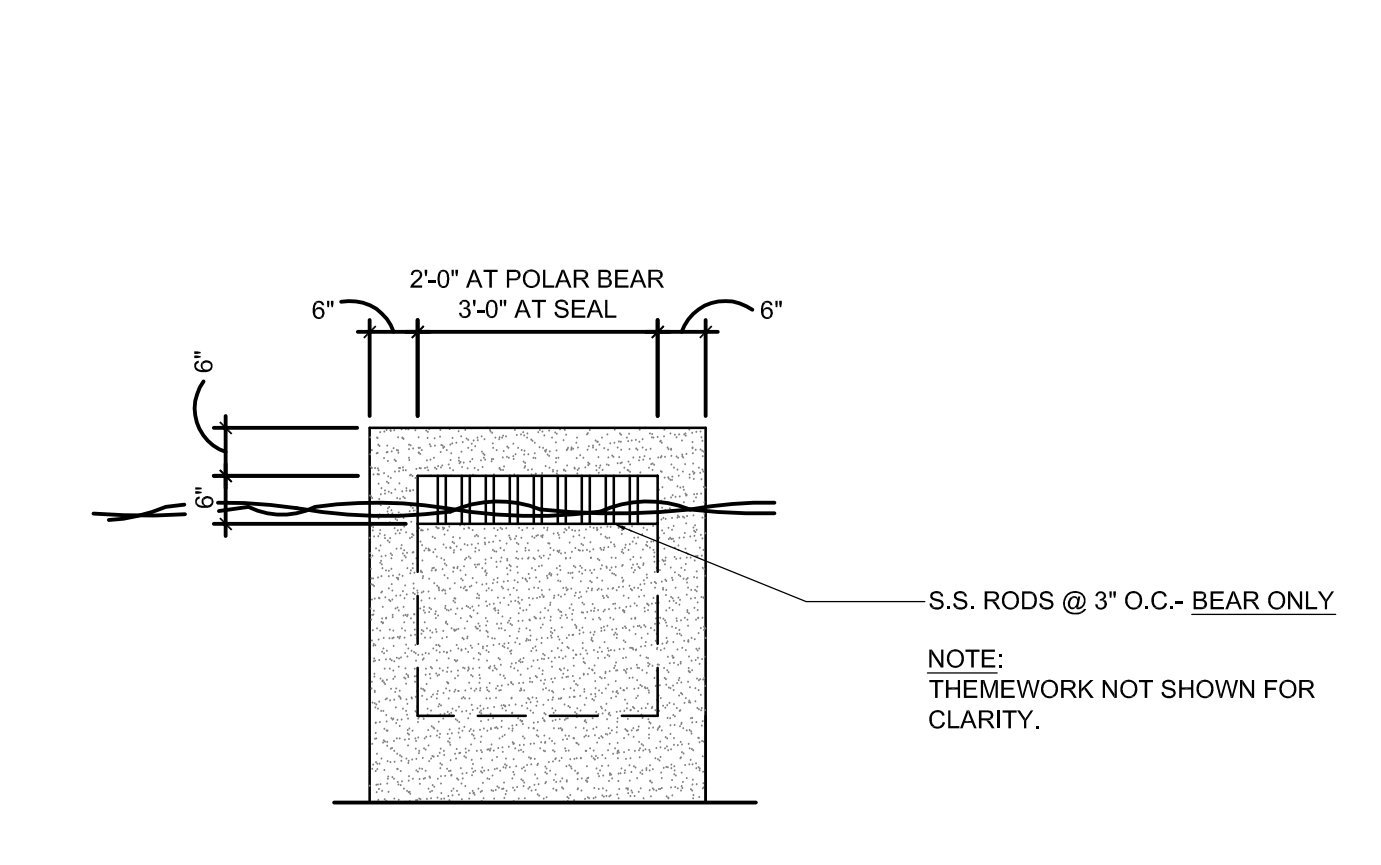
C SUPPLY CURB
1 1/2" = 1' - 0"



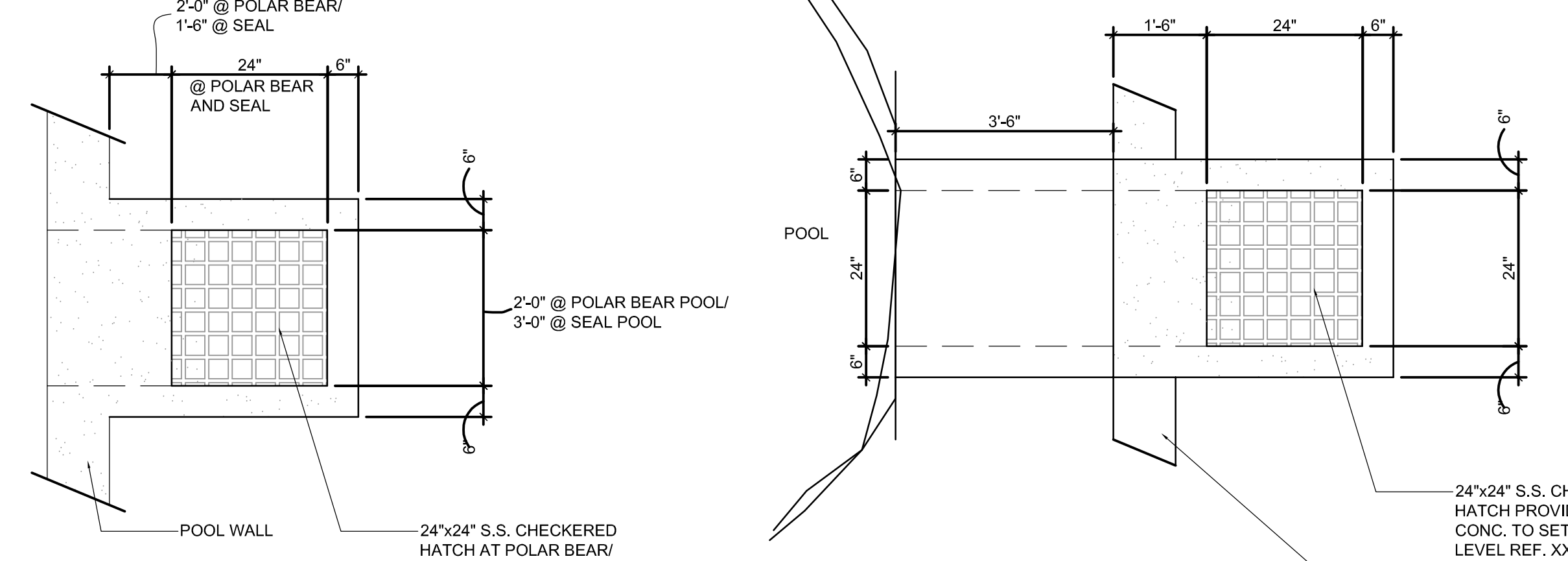
D POOL EDGE
1/2" = 1' - 0"



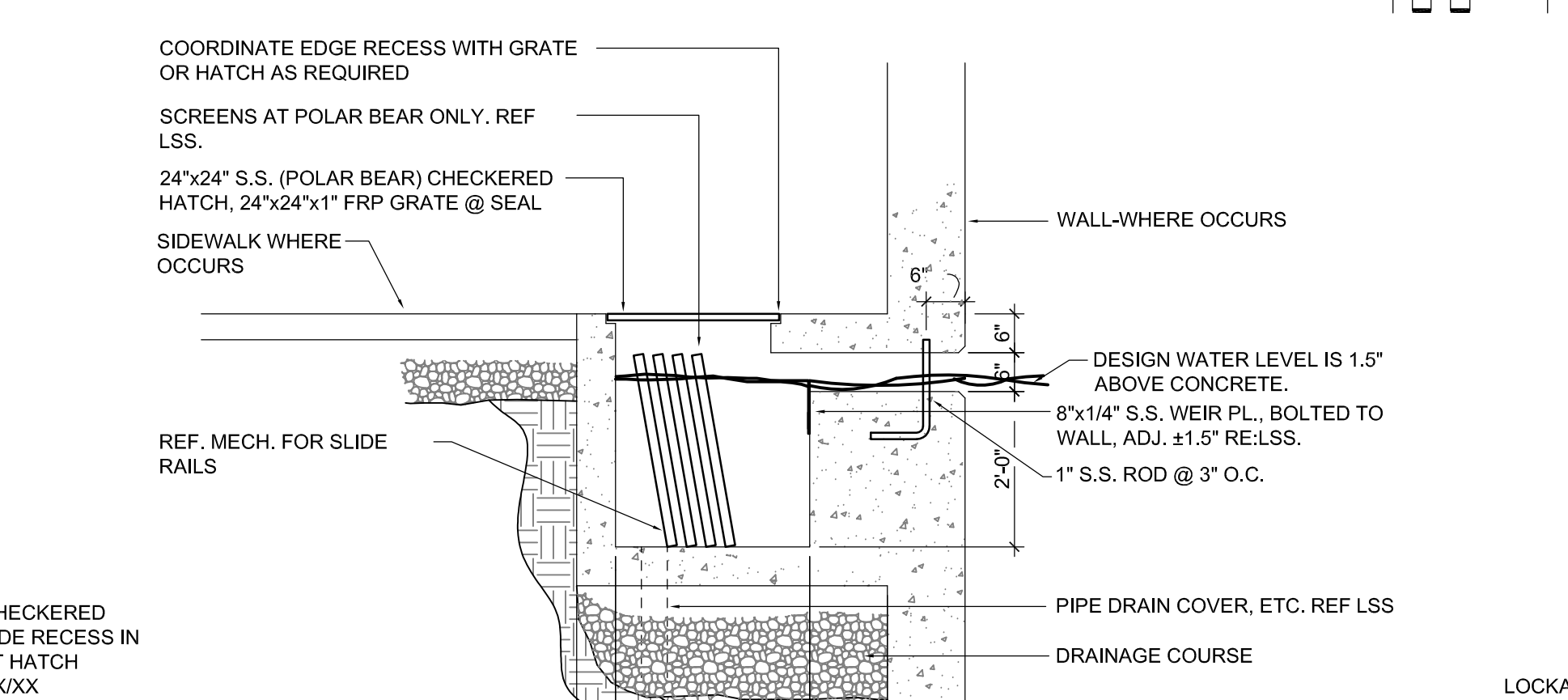
E OFF-EXHIBIT POOL
3/4" = 1' - 0"



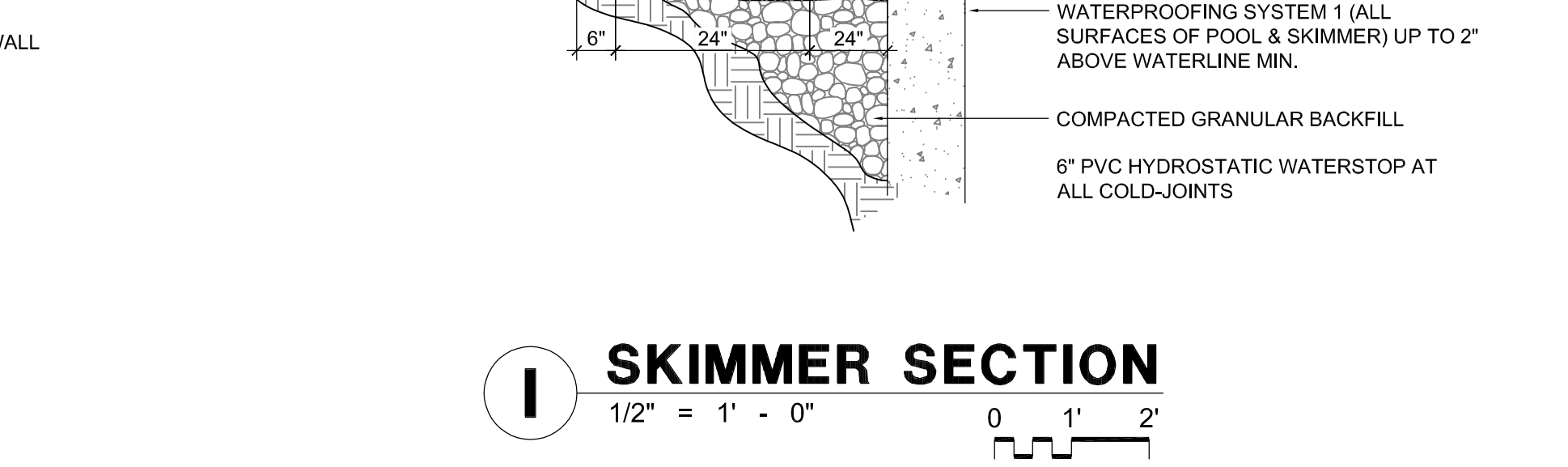
F TYP. SKIMMER ELEVATION
1/2" = 1' - 0"



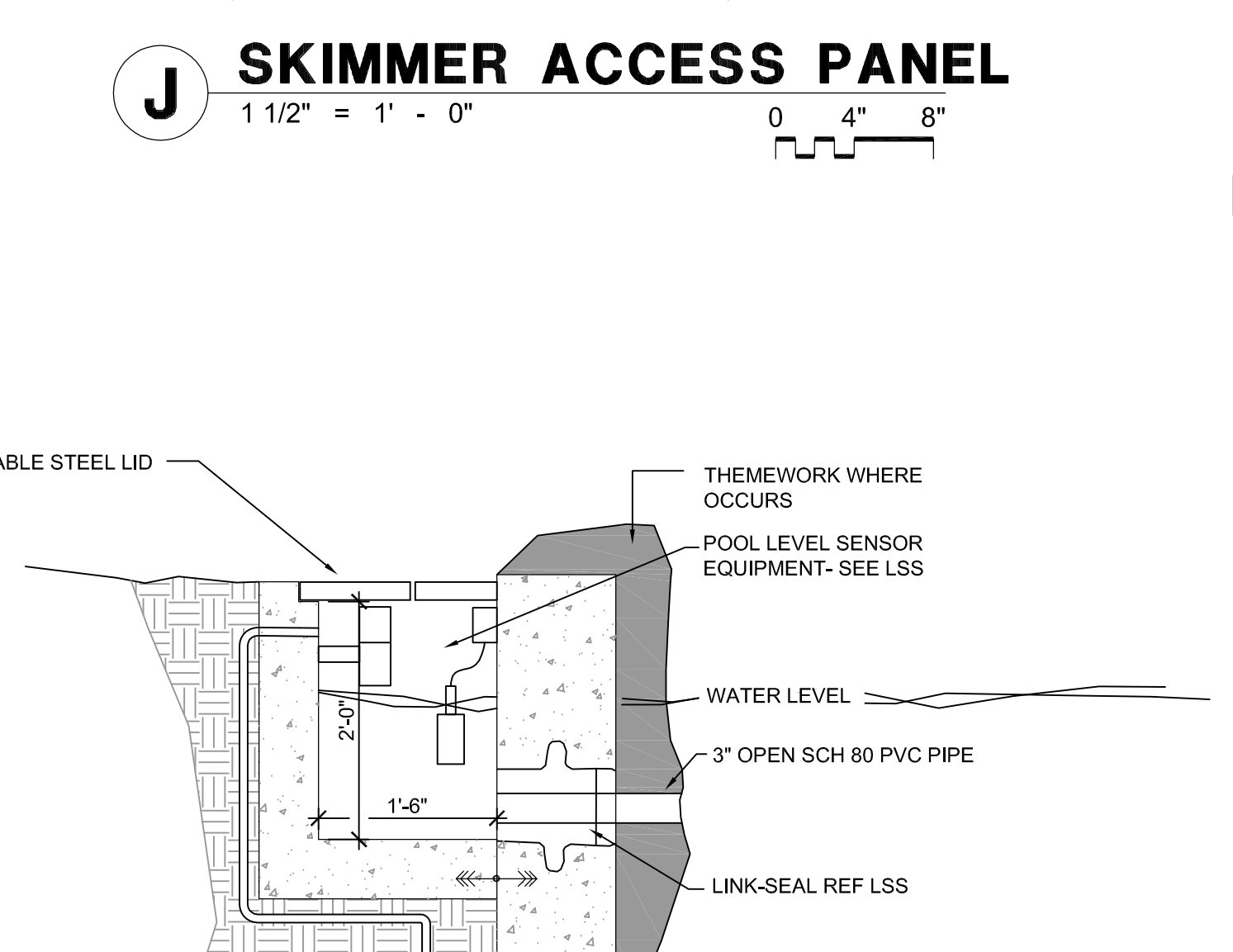
G POLAR BEAR/ SEAL SKIMMER PLAN
1/2" = 1' - 0"



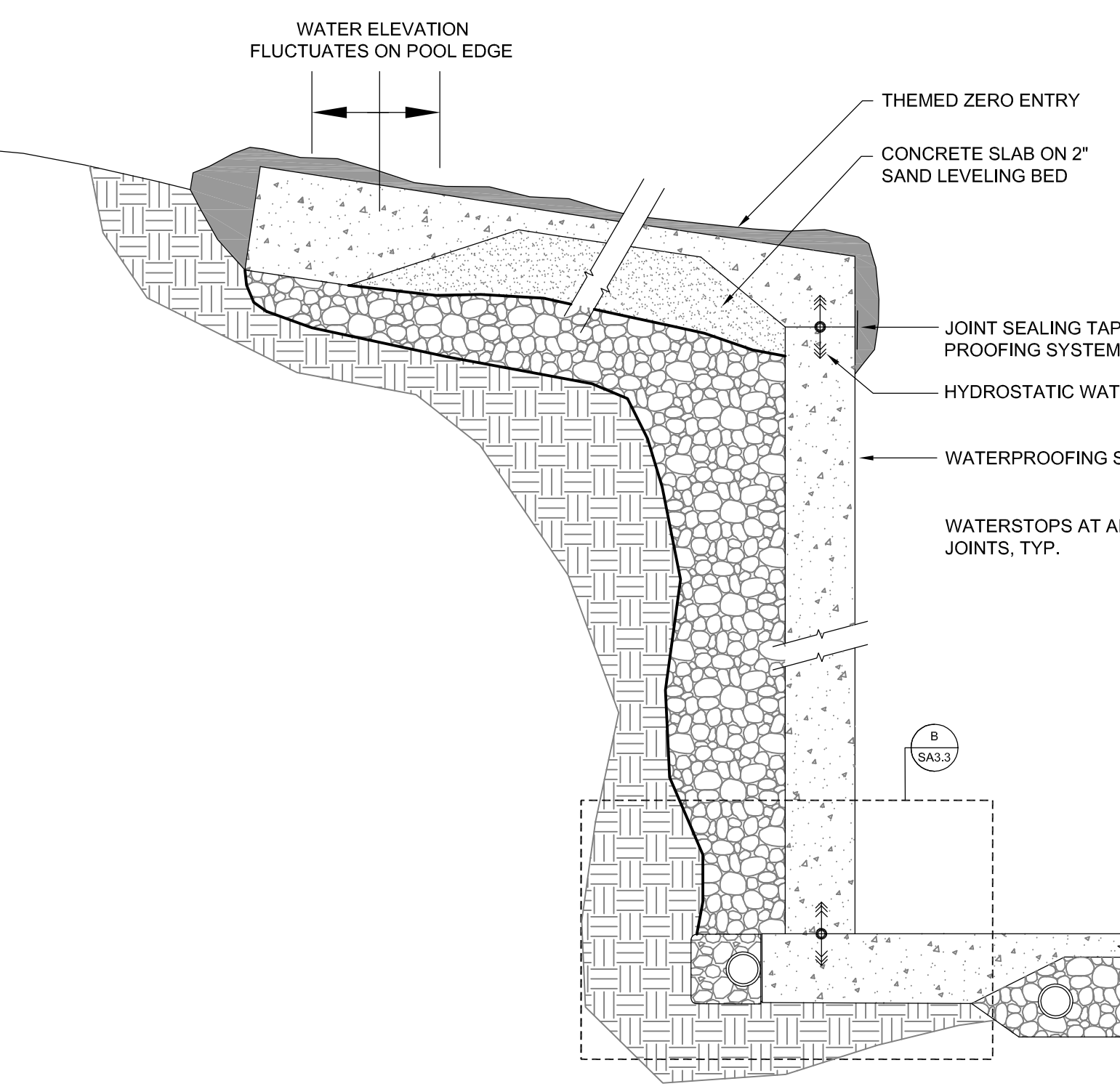
H GRIZZLY POOL SKIMMER PLAN
1/2" = 1' - 0"



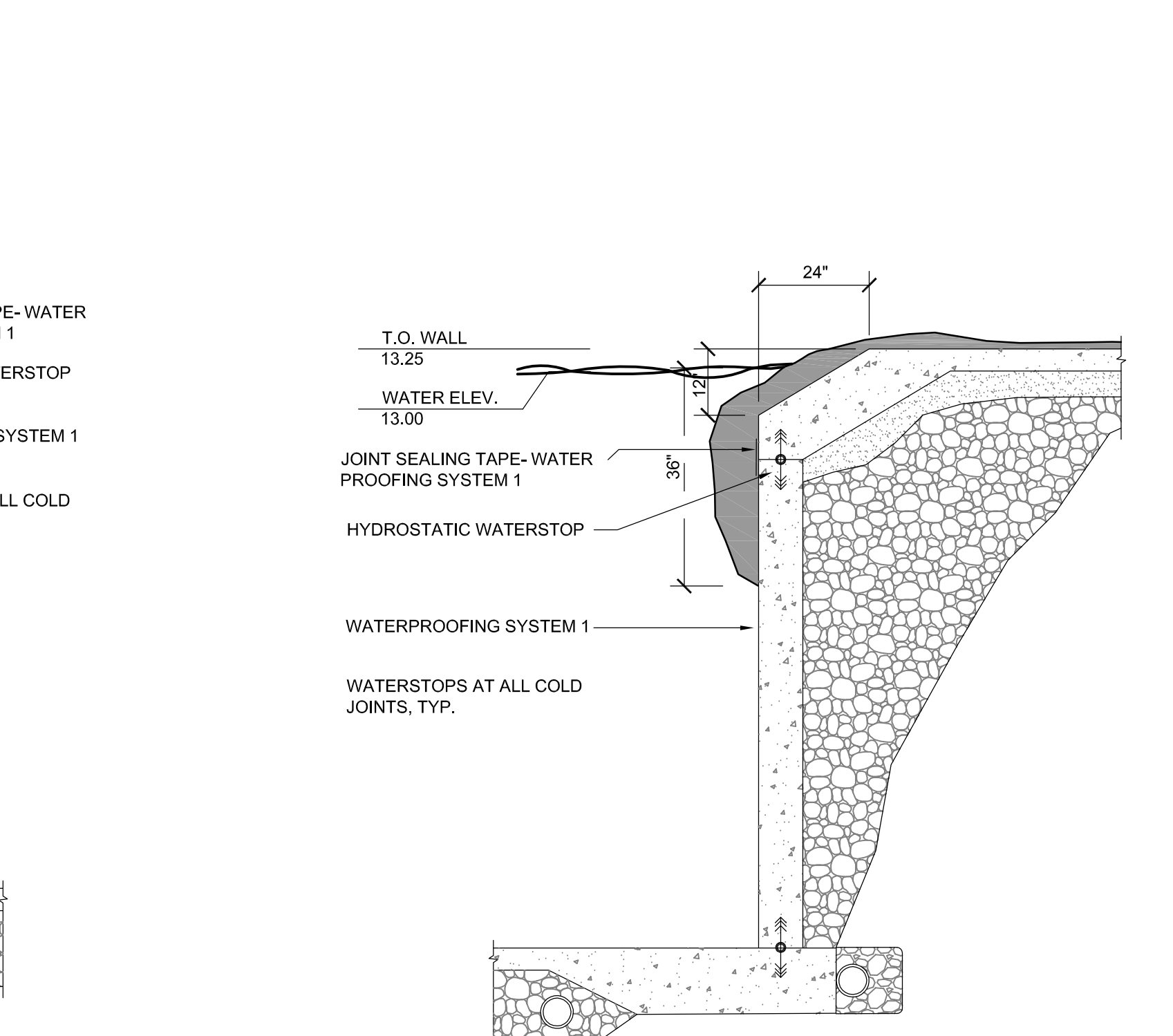
I SKIMMER SECTION
1/2" = 1' - 0"



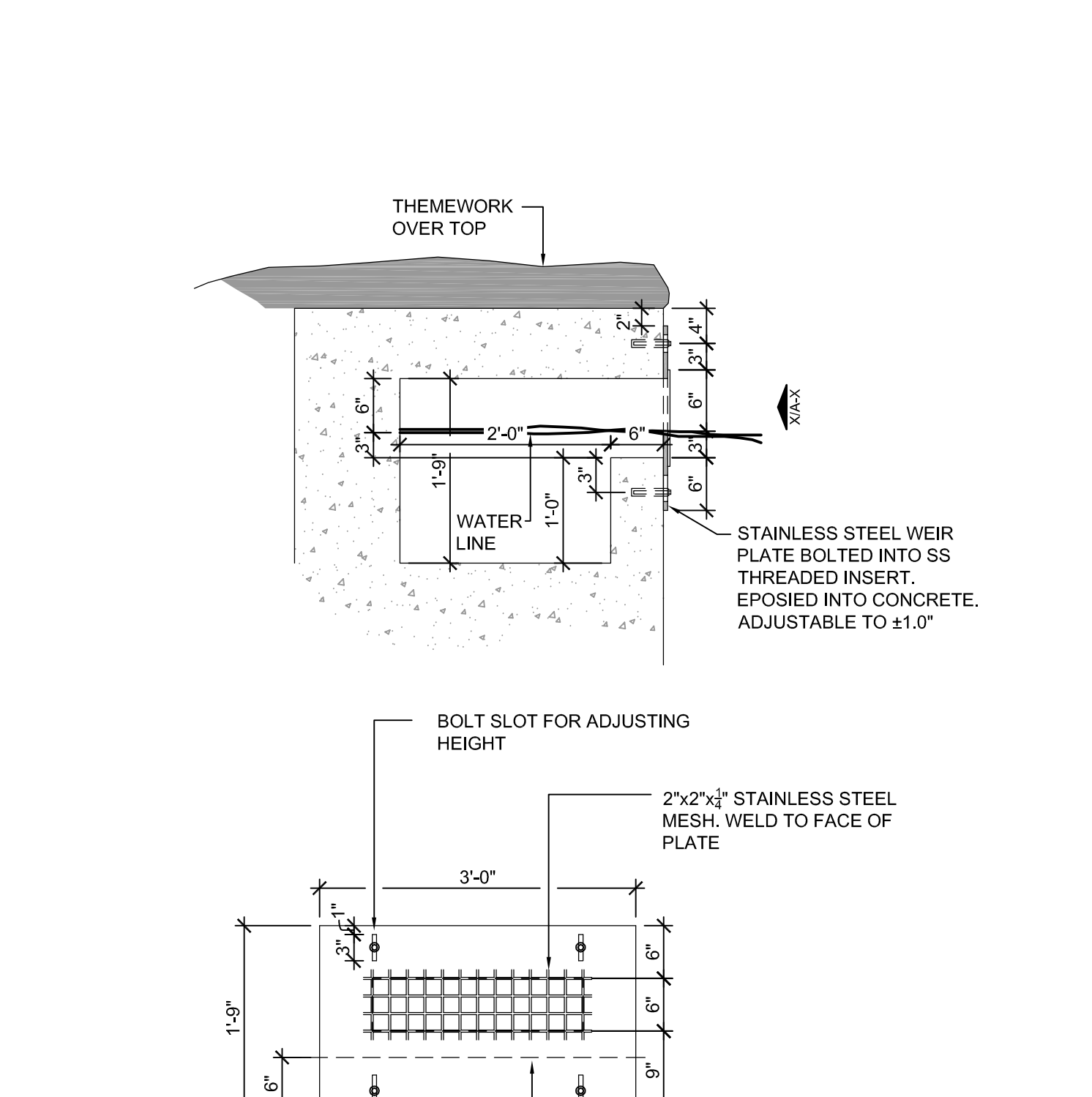
J SKIMMER ACCESS PANEL
3/4" = 1' - 0"



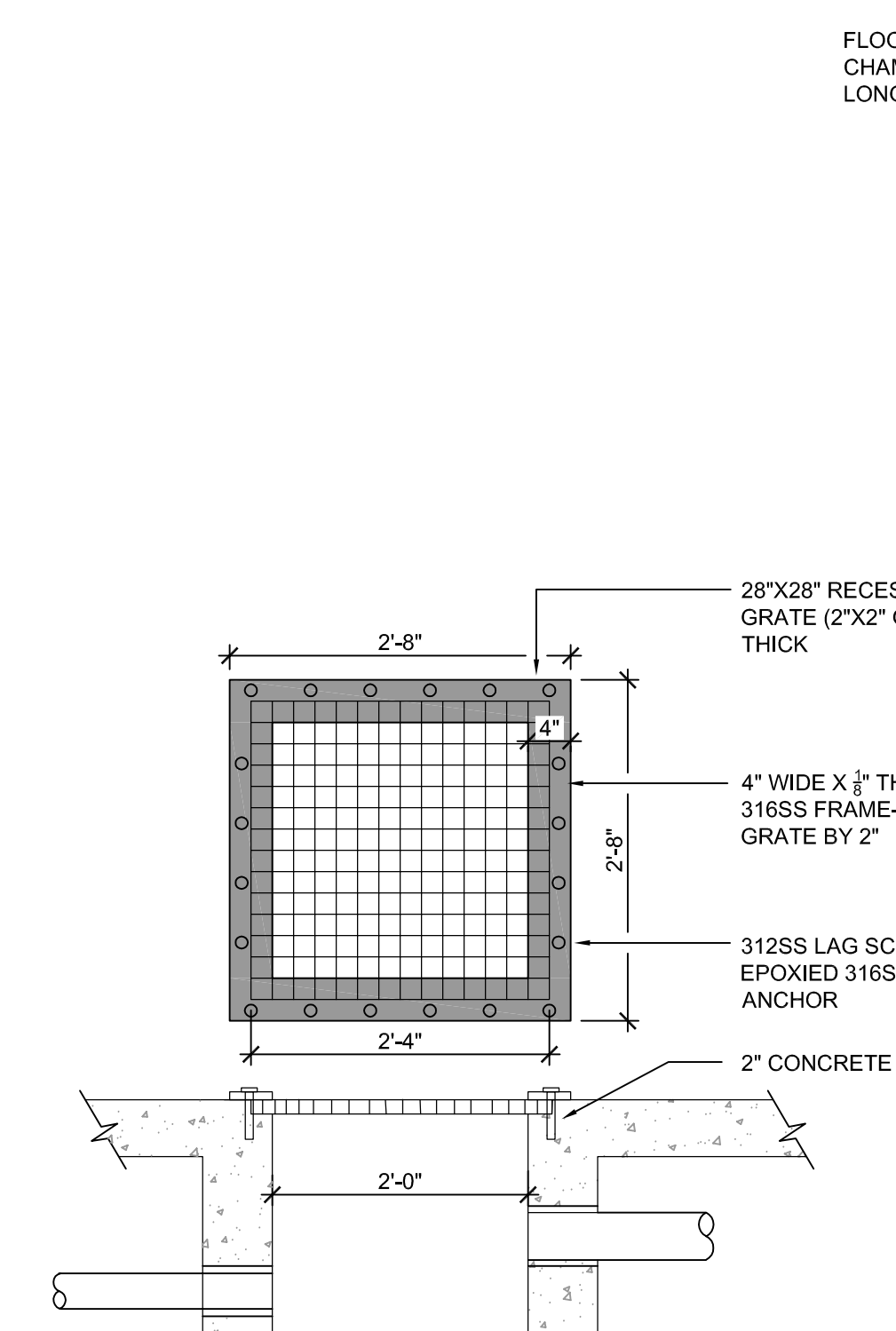
L SEAL & POLAR BEAR ZERO ENTRY POOL
1/2" = 1' - 0"



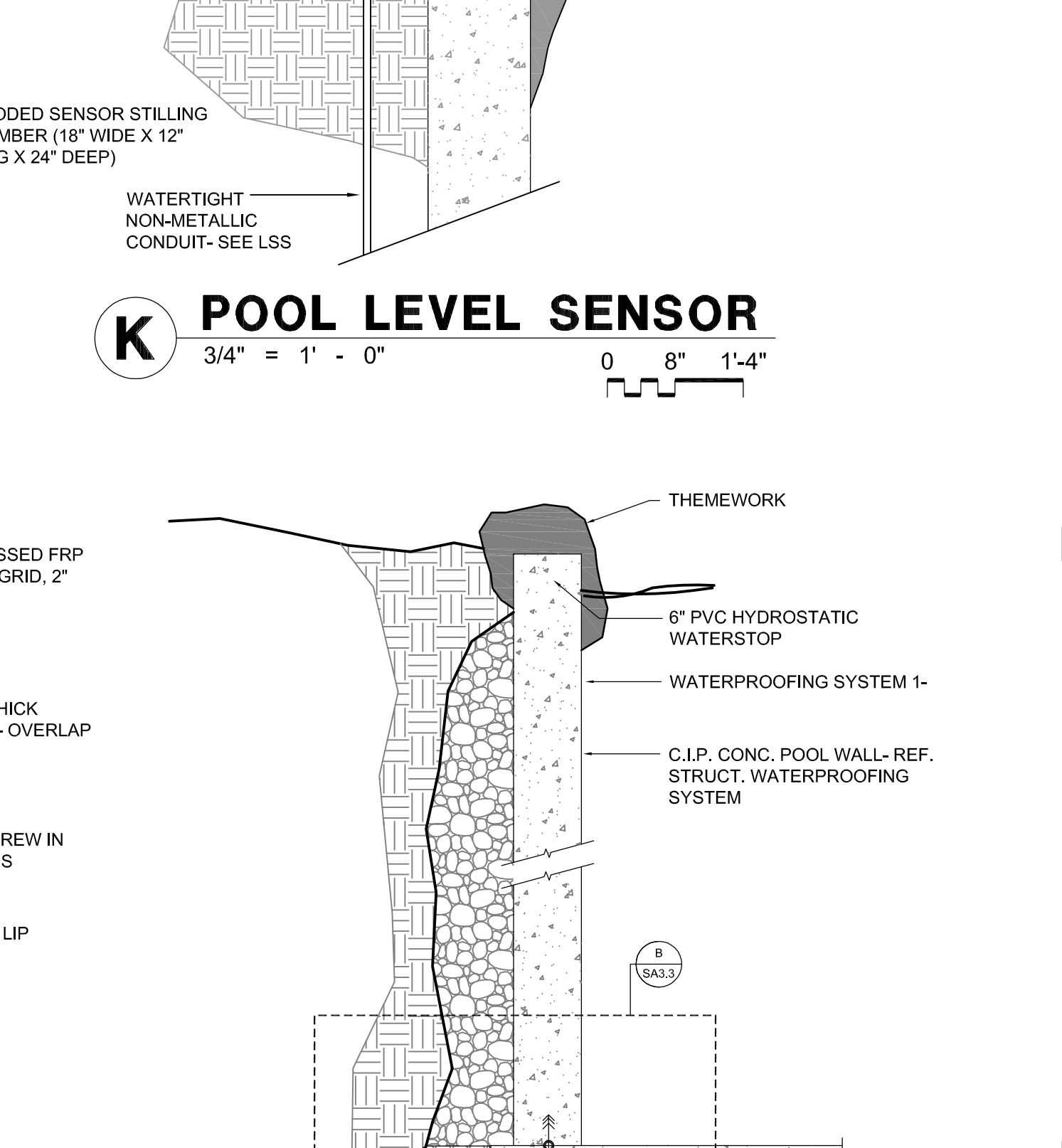
M MODIFIED ZERO ENTRY AT SEAL POOL
1/2" = 1' - 0"



N SKIMMER AT ACRTIC GRILL BEAR POOL
3/4" = 1' - 0"



O POOL DRAIN
3/4" = 1' - 0"



P TYP. POOL WALL
1/2" = 1' - 0"

wdm ARCHITECTS
WDM Architects P.A.
105 North Washington
Wichita, KS 67202-2815
T 316.262.4700
F 316.262.0002
wdmarchitects.com

we do more
henry vilas
WDM

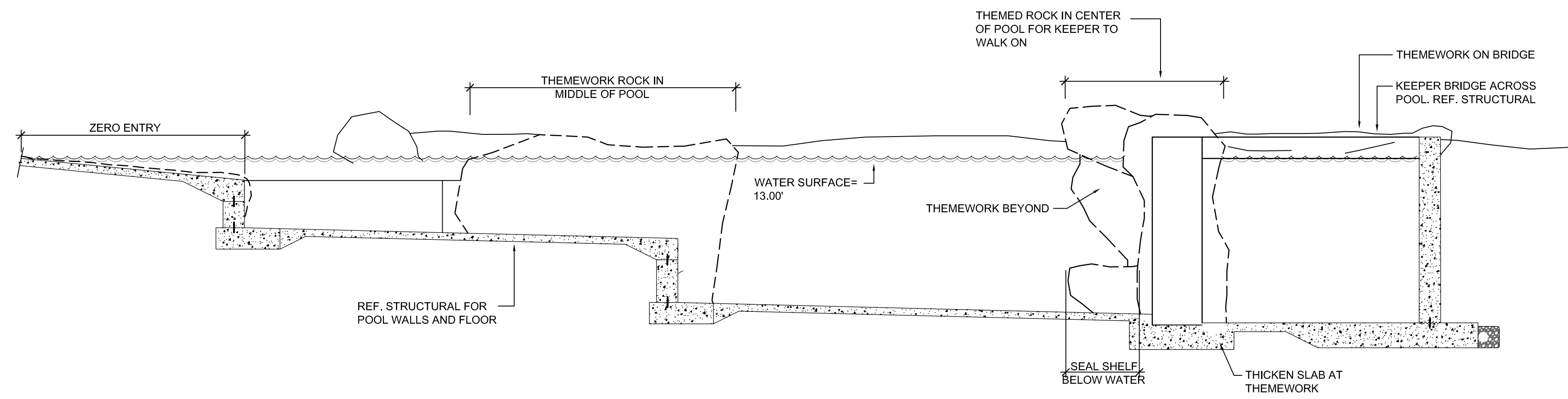
ARCTIC ANIMAL EXHIBIT AND CONCESSIONS
RFB No. 313086
Henry Vilas Zoo - County of Dane
Department of Public Works
1919 Alliant Energy Center Way
Madison, Wisconsin

PRINTS ISSUED
07.26.2013 - Schematic Design
08.23.2013 - Design Development
09.23.2013 - 65% CD's
10.07.2013 - Pricing Set
10.21.2013 - 95% CD's
11.13.2013 - Bid Documents

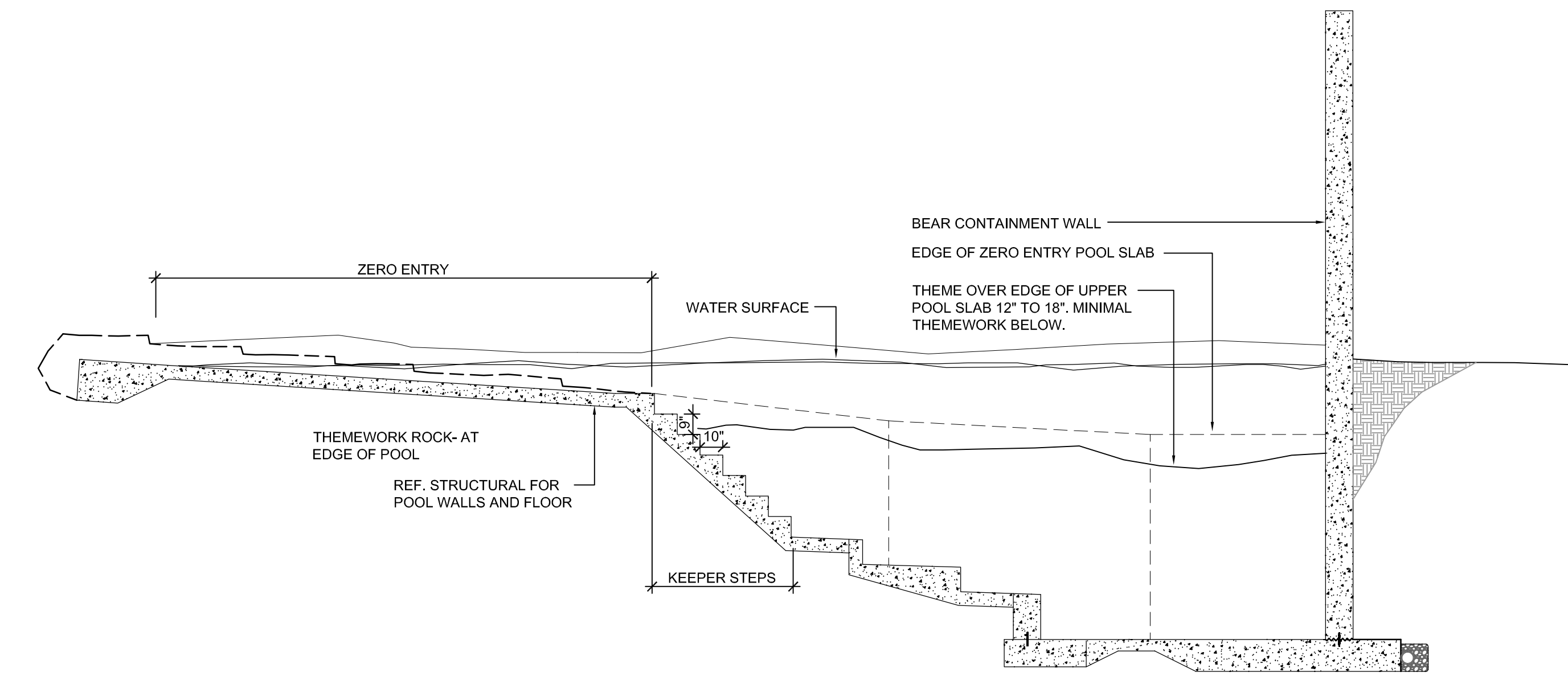
WDM No. drawn: NS
13046 checked: SR
POOL DETAILS

SA3.3

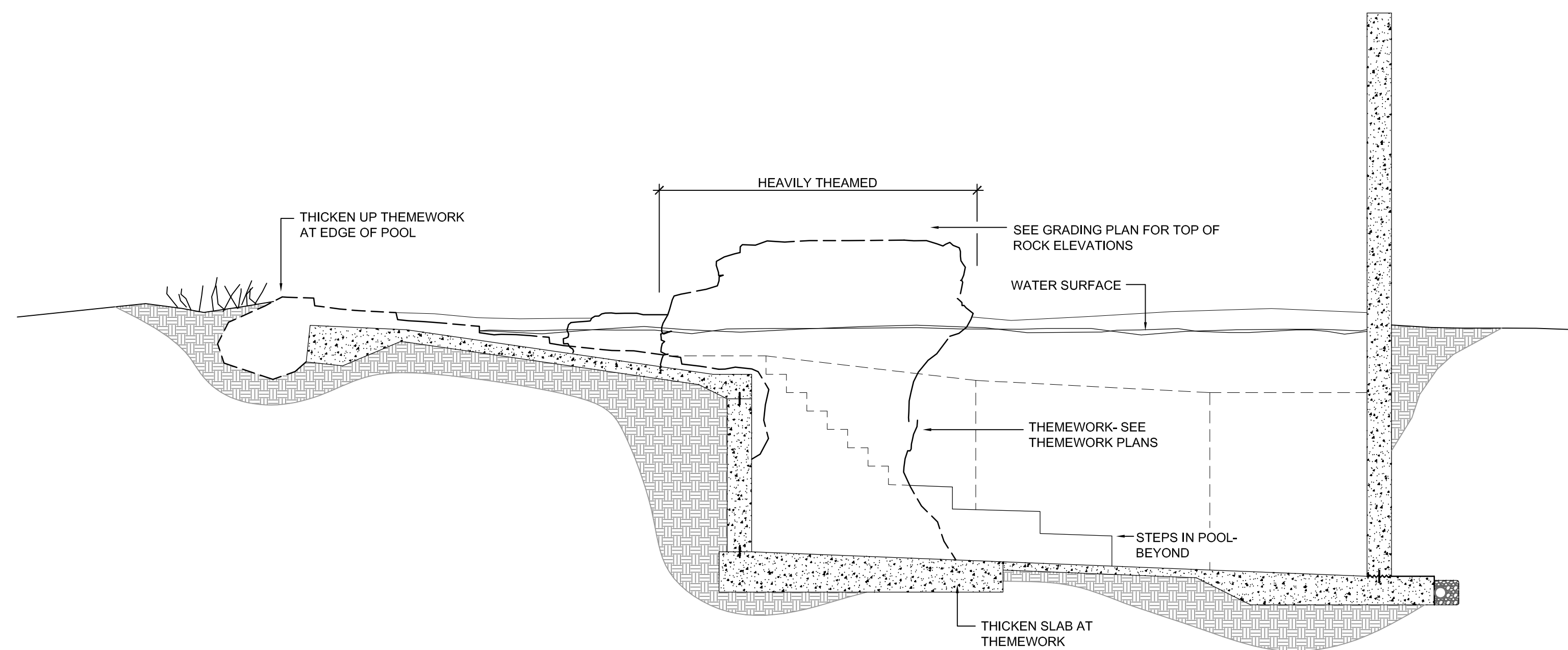
© copyright 2013 WDM Architects P.A.



A SEAL POOL SECTION
SCALE: 1/4" = 1'-0"



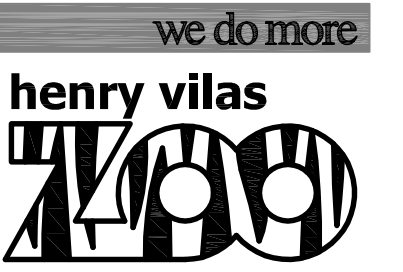
B POLAR BEAR POOL SECTION
SCALE: 1/4" = 1'-0"



C POLAR BEAR POOL SECTION
SCALE: 1/4" = 1'-0"



WDM Architects P.A.
105 North Washington
Wichita, KS 67202-2815
T 316.262.4700
F 316.262.0002
wdmarchitects.com



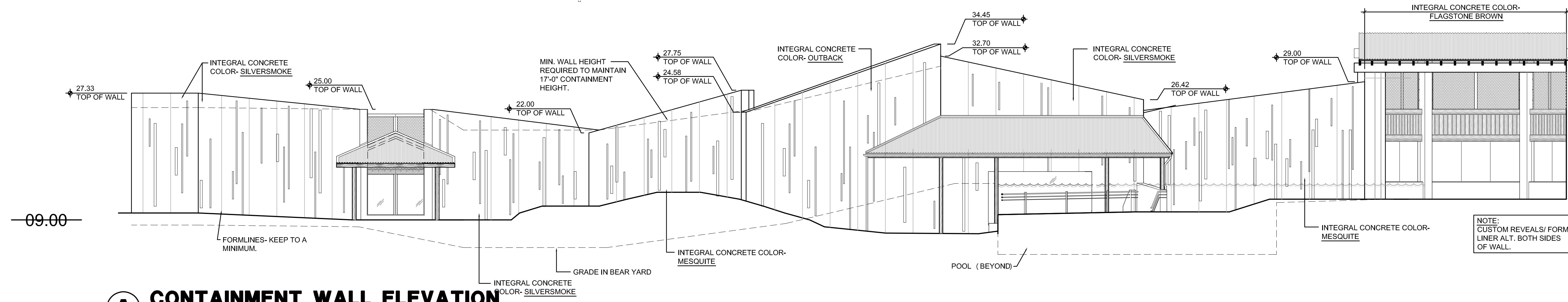
ARCTIC ANIMAL EXHIBIT AND CONCESSIONS
RFB No. 313086
Henry Vilas Zoo - County of Dane
Henry Vilas Zoo - Department of Public Works
702 S Randall Ave
Madison, Wisconsin
1919 Alliant Energy Center Way
Madison, Wisconsin

PRINTS ISSUED
07.26.2013 - Schematic Design
08.23.2013 - Design Development
09.23.2013 - 65% CD's
10.07.2013 - Pricing Set
10.21.2013 - 95% CD's
11.13.2013 - Bid Documents

WDM No. 13046 drawn: NS
checked: SR

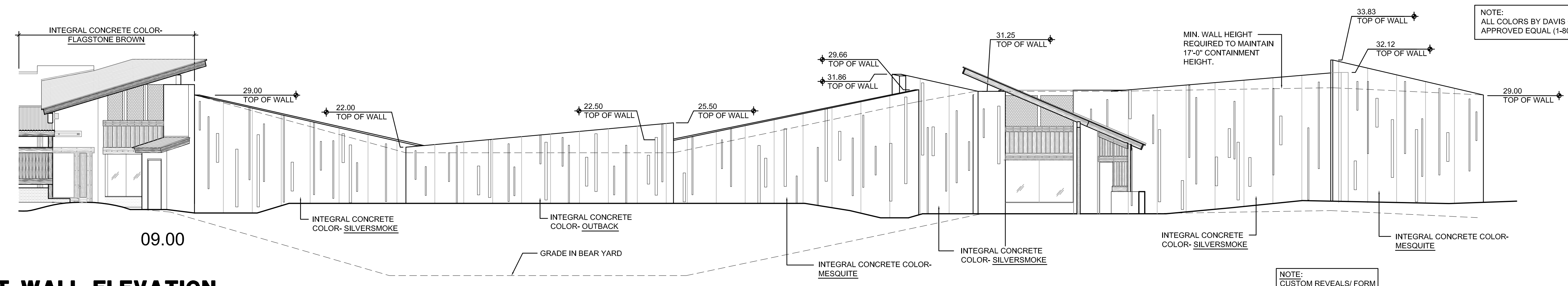
SITE SECTIONS

SA4.0



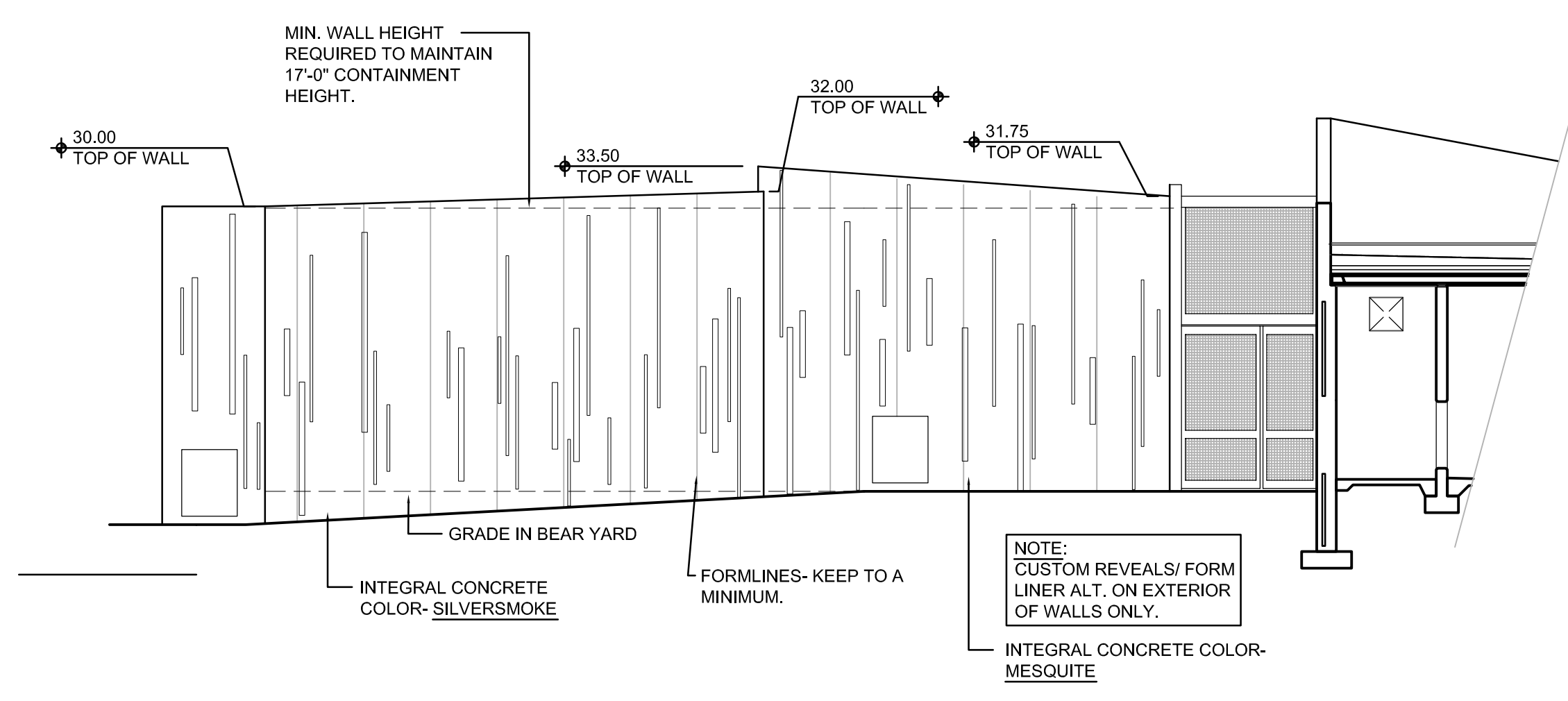
A CONTAINMENT WALL ELEVATION
SCALE: 1/8" = 1'-0"

NOTE:
 1) WALLS ARE COLORED CONCRETE AS SHOWN.
 2) EACH WALL PANEL TO BE POURED CONTINUOUSLY WITHOUT A COLD JOINT.
 3) USE FORMING SYSTEM WITH 4X8 RUNNING BOND PATTERN OR LINE FORMS WITH 1/2" SMOOTH LINER (EG MASONITE) WITH JOINTS IN 4X8 RUNNING BOND PATTERN. HORIZONTAL JOINTS CANNOT BE STAGGERED WITHIN A GIVEN WALL PANEL, BUT CAN STEP FROM ONE WALL PANEL TO THE NEXT.
 4) FORM TIES LEFT IN PLACE TO BE STAINLESS STEEL. FORM TIE SPACING TO BE IN NEAT/ EVEN ROWS HORIZONTALLY AND VERTICALLY. FORM TIE HOLES TO BE PATCHED NEATLY WITHOUT OVERLAP ONTO ADJACENT WALL SURFACE. COLOR MATCHING TO BE DONE BY SOMEONE WITH 10 YEARS EXPERIENCE IN COLOR MATCHING CONCRETE.
 7) REVEALS RANGE FROM 3"x4'-0"x1/2" TO 5"x12'-0"x1/2". ALL EDGES BEVELED 1/4" OF REVEALS TOUCH THE TOP OF WALL. REVEALS COVER 1/2" OF VERTICAL JOINTS IN FORMLINER. TYPICAL 17" TALL X 24" WIDE WALL PANEL TO HAVE 18-22 VERTICAL REVEALS.
 8) STRIP FORMS WITHIN 24 HOURS AND REMOVE FINIS AND PROJECTIONS.



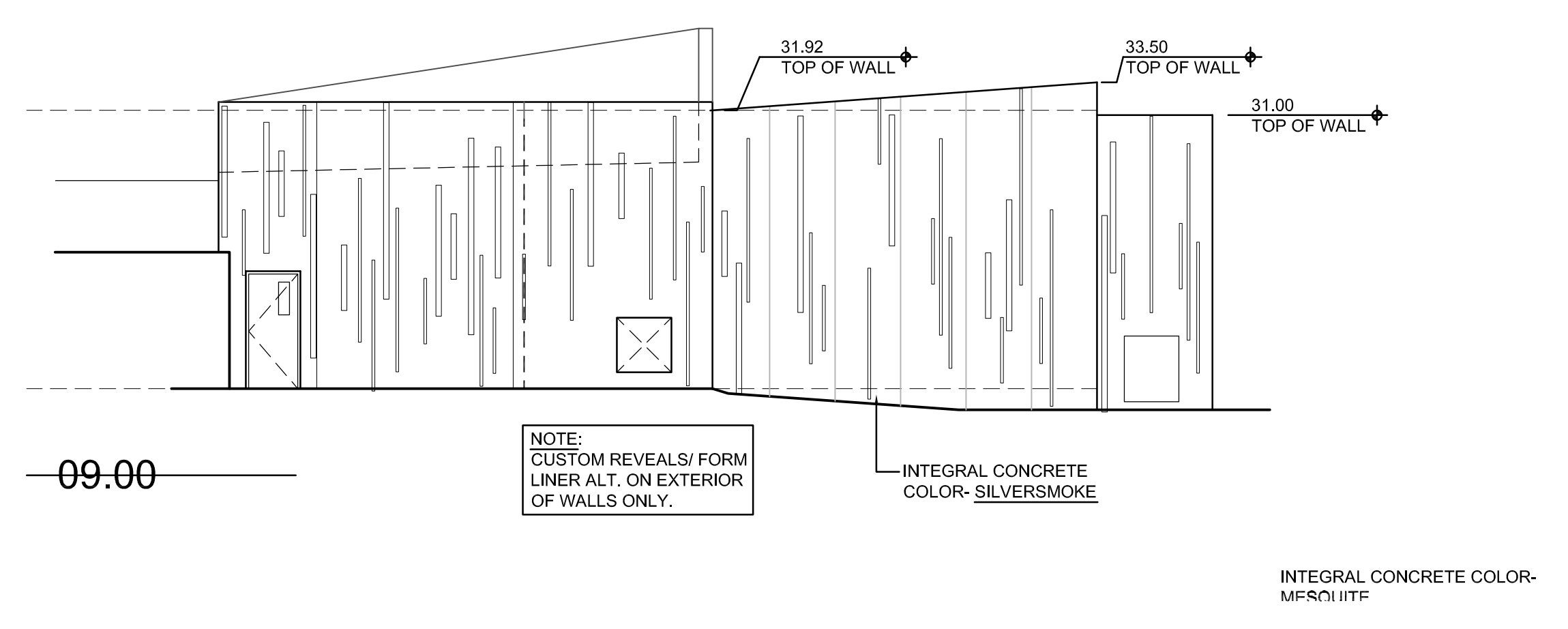
B CONTAINMENT WALL ELEVATION
SCALE: 1/8" = 1'-0"

NOTE:
 ALL COLORS BY DAVIS COLORS OR APPROVED EQUAL (1-800-356-4848)



C CONTAINMENT WALL ELEVATION
SCALE: 1/8" = 1'-0"

NOTE:
 CUSTOM REVEALS/ FORM LINER ALT. ON EXTERIOR OF WALLS ONLY.



D CONTAINMENT WALL ELEVATION
SCALE: 1/8" = 1'-0"

NOTE:
 CUSTOM REVEALS/ FORM LINER ALT. ON EXTERIOR OF WALLS ONLY.



WDM Architects P.A.
 105 North Washington
 Wichita, KS 67202-2815
 T 316.262.4700
 F 316.262.0002
 wdmarchitects.com

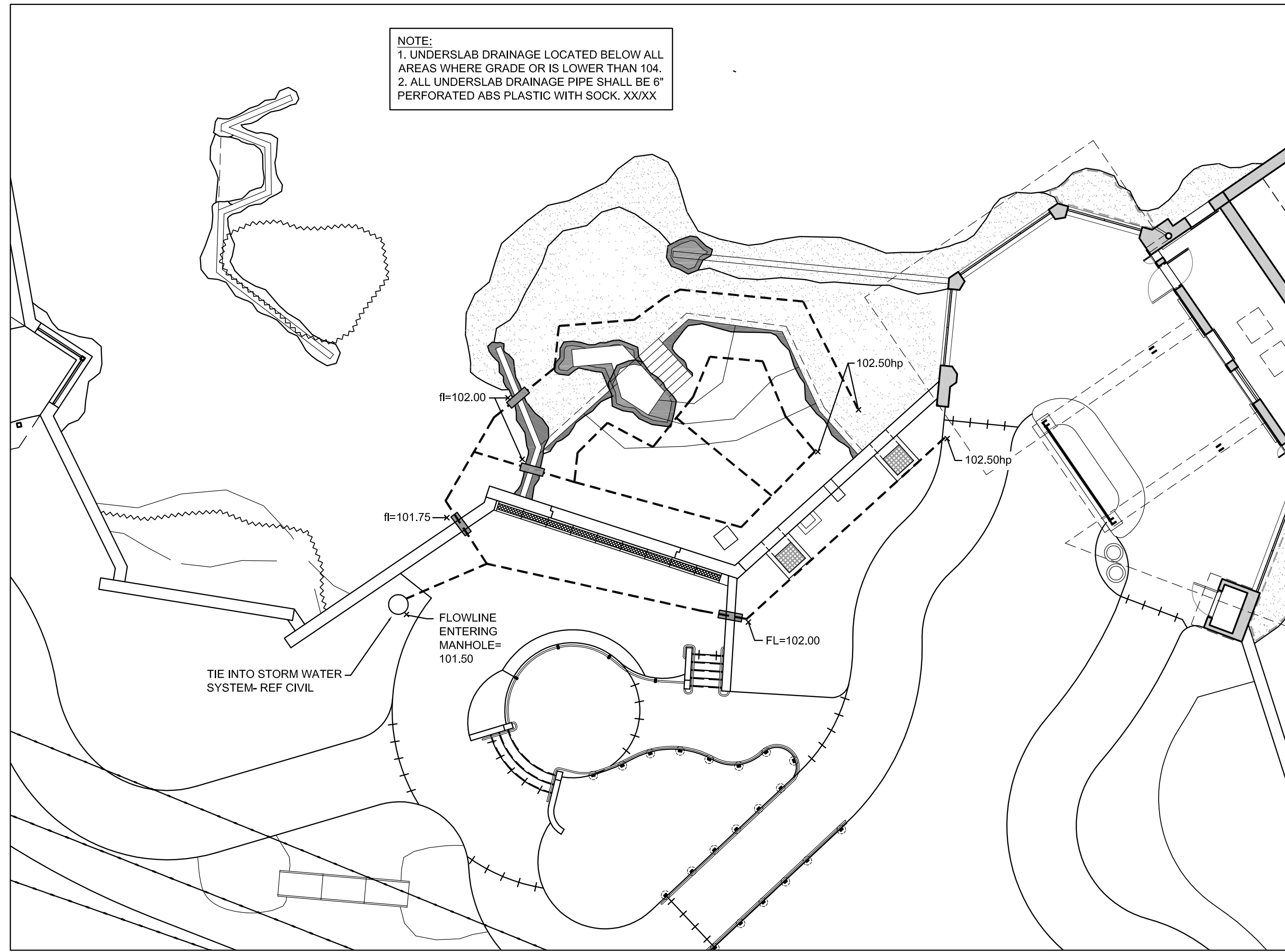


ARCTIC ANIMAL EXHIBIT AND CONCESSIONS
 RFB No. 313086
 Henry Vilas Zoo - County of Dane
 Department of Public Works
 1919 Alliant Energy Center Way
 Madison, Wisconsin

PRINTS ISSUED
 07.26.2013 - Schematic Design
 08.23.2013 - Design Development
 09.23.2013 - 65% CD's
 10.07.2013 - Pricing Set
 10.21.2013 - 95% CD's
 11.13.2013 - Bid Documents

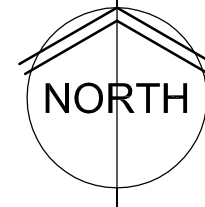
WDM No. 13046
 drawn: NS
 checked: SR
 SITE SECTIONS

SA5.0



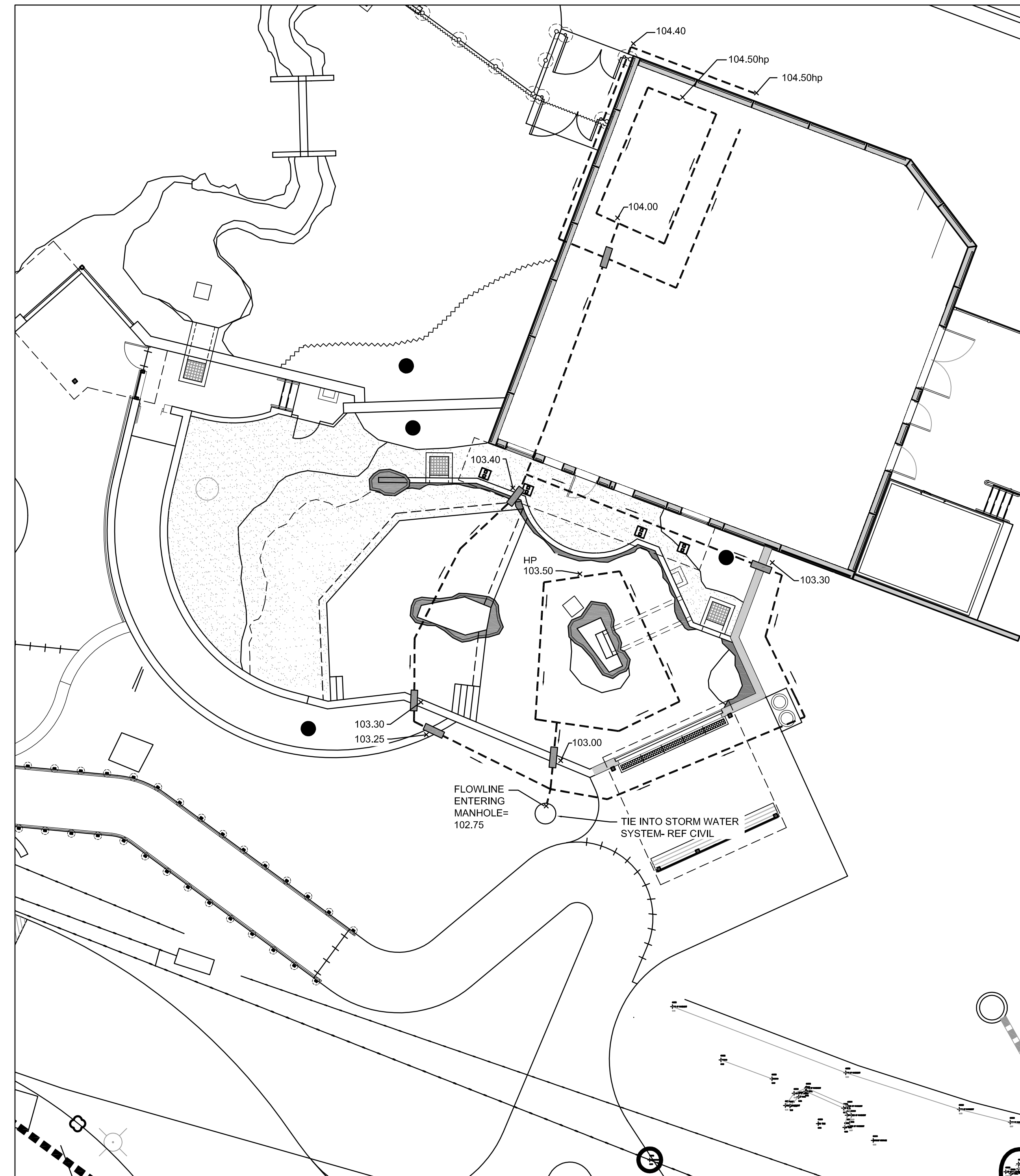
**POLAR BEAR POOL
UNDERSLAB DRAINAGE PLAN**

SCALE: 1" = 10'



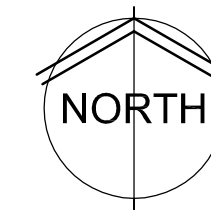
NOTE:
1. UNDERSLAB DRAINAGE LOCATED BELOW ALL AREAS WHERE GRADE OR IS LOWER THAN 104.
2. ALL UNDERSLAB DRAINAGE PIPE SHALL BE 6" PERFORATED ABS PLASTIC WITH SOCK, XXXX

UNDERSLAB-
6" SLOTTED DRAIN TILE IN 12" LAYER OF CRUSHED CLEAR STONE, SURROUNDED BY NON-WOVEN GEO-TEXTILE FABRIC.
FOOTING PERIMETER-
6" SLOTTED DRAIN TILE SURROUNDED BY 12" X 12" OF CRUSHED CLEAR STONE, SURROUNDED BY NON-WOVEN GEO-TEXTILE FABRIC.



**SEAL POOL/ BUILDING
UNDERSLAB DRAINAGE PLAN**

SCALE: 1" = 10'



NOTE:
1. UNDERSLAB DRAINAGE LOCATED BELOW ALL AREAS WHERE GRADE OR IS LOWER THAN 104.
2. ALL UNDERSLAB DRAINAGE PIPE SHALL BE 6" PERFORATED ABS PLASTIC WITH SOCK, SIM, XXXX



WDM Architects P.A.
105 North Washington
Wichita, KS 67202-2815
T 316.262.4700
F 316.262.0002
wdmarchitects.com



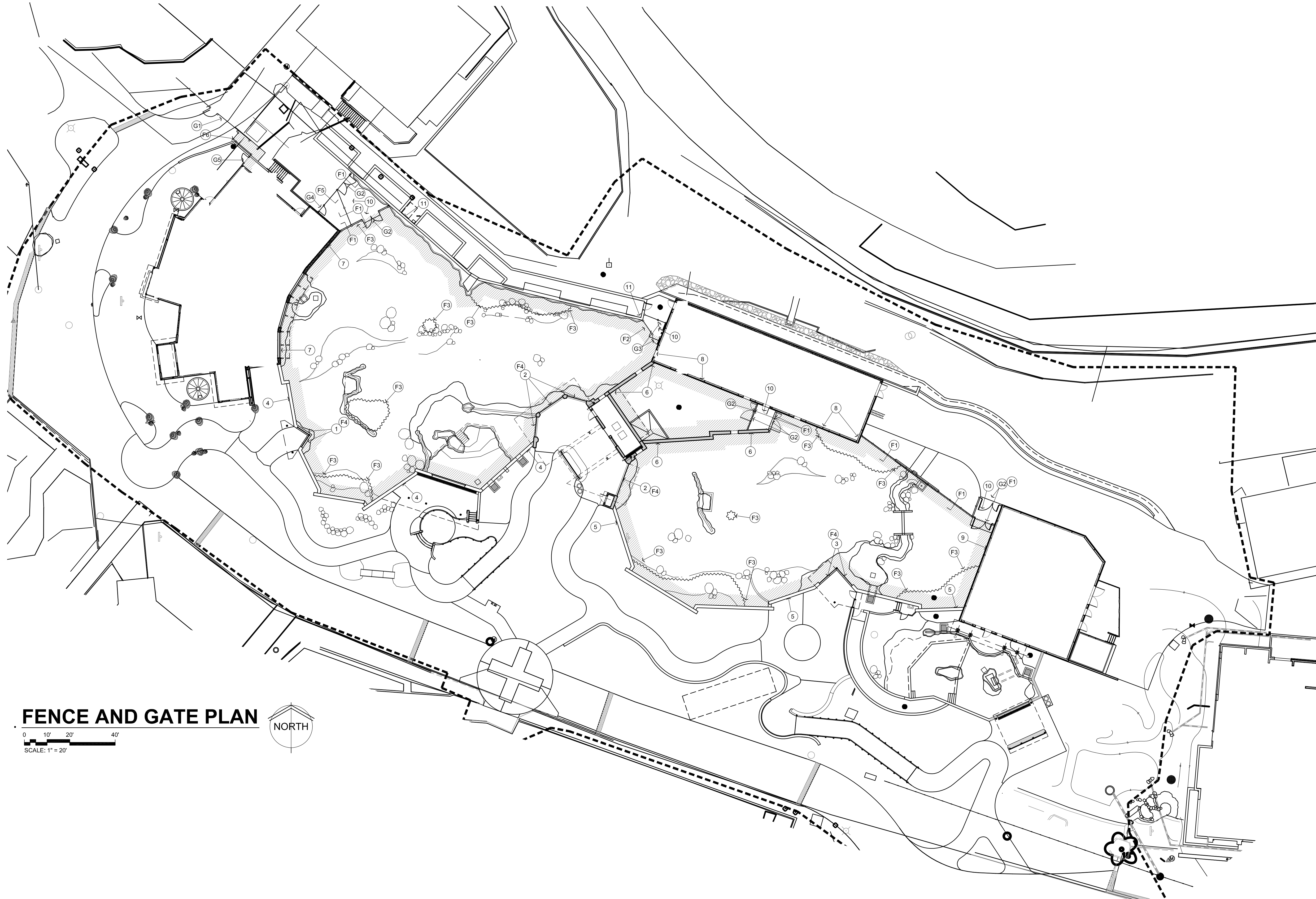
ARCTIC ANIMAL EXHIBIT AND CONCESSIONS
RFB No. 313086
Henry Vilas Zoo - County of Dane
Henry Vilas Zoo - Department of Public Works
702 S Randall Ave
Madison, Wisconsin

PRINTS ISSUED
07.26.2013 - Schematic Design
08.23.2013 - Design Development
09.23.2013 - 65% CD's
10.07.2013 - Pricing Set
10.21.2013 - 95% CD's
11.13.2013 - Bid Documents

WDM No. 13046
drawn: NS
checked: SR

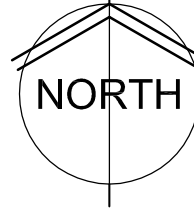
UNDERSLAB DRAINAGE PLAN

SA6.0



FENCE AND GATE PLAN

0 10' 20' 40'
SCALE: 1" = 20'



FENCE TYPES

- F1 CHAIN-LINK BEAR CONTAINMENT FENCE- REFER TO 1/SA7.1
- F2 SIM. TO F1; ALSO REFER TO 3/IA3.3 & STRUCT.
- F3 HOT GRASS- REFER TO C/SA7.1
- F4 STAINLESS STEEL WOVEN MESH - REF. F/SA7.1
- F5 8' TALL CHAIN LINK FENCE
- F6 6' TALL WOOD FENCE- ISA7.1

GATE TYPES

- G1 EXISTING AUTOMATIC CANTILEVER SLIDING GATE TO REMAIN.
- G2 SWING GATE PAIR - REF. C9/CW3.1
- G3 SWING GATE- REF. C10/CW3.1
- G4 CHAINLINK SWING GATE
- G5 WOOD GATE- I/SA7.1

KEY NOTES

- 1 CONTAINMENT / VIEW STRUCTURE REF. A/IA4.1
- 2 CONTAINMENT / VIEW STRUCTURE REF. A/IA4.3
- 3 CONTAINMENT / VIEW STRUCTURE REF. F/IA4.1
- 4 CONTAINMENT WALLS REF. SA1.5
- 5 CONTAINMENT WALLS REF. SA1.6
- 6 CONTAINMENT WALLS REF. SA1.7
- 7 CONTAINMENT / CONCESSIONS BUILDING WALLS REF. A1 DRAWINGS
- 8 CONTAINMENT / BEAR HOLDING BUILDING WALLS REF. A3 DRAWINGS
- 9 CONTAINMENT / SEAL HOLDING BUILDING WALLS REF. A5 DRAWINGS
- 10 CHAINLINK CONTAINMENT LID @ VESTIBULE
- 11 CONTAINMENT WALLS REF. SA1.1, M/SA3.0

LEGEND

~~~~~ HOT GRASS PROTECTED AREA

NOTE:  
ALL WALLS, BUILDINGS, & FENCES AROUND BEAR YARDS REQUIRED TO BE 17'-0" FROM GRADE TO TOP OF CONTAINMENT AT ANY GIVEN POINT AROUND YARD PERIMETER.



WDM Architects P.A.  
105 North Washington  
Wichita, KS 67202-2815  
T 316.262.4700  
F 316.262.0002  
wdmarchitects.com



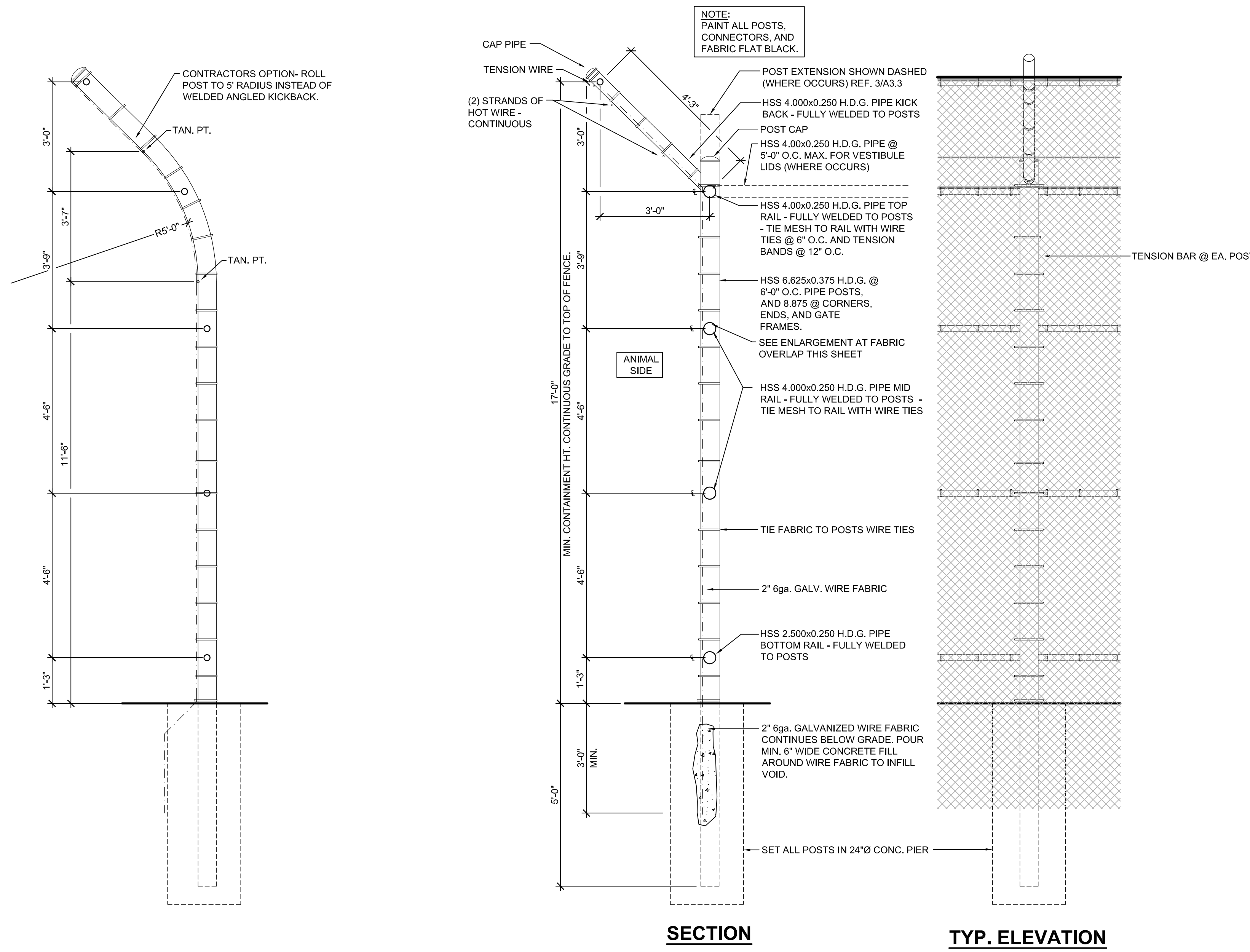
**ARCTIC ANIMAL EXHIBIT AND CONCESSIONS**  
RFB No. 313086  
Henry Vilas Zoo - County of Dane  
Henry Vilas Zoo - Department of Public Works  
702 S Randall Ave  
Madison, Wisconsin  
1919 Alliant Energy Center Way  
Madison, Wisconsin

PRINTS ISSUED  
07.26.2013 - Schematic Design  
08.23.2013 - Design Development  
09.23.2013 - 65% CD's  
10.07.2013 - Pricing Set  
10.21.2013 - 95% CD's  
11.13.2013 - Bid Documents

WDM No. 13046  
drawn: NS  
checked: SR  
FENCE AND GATE PLAN

**SA7.0**

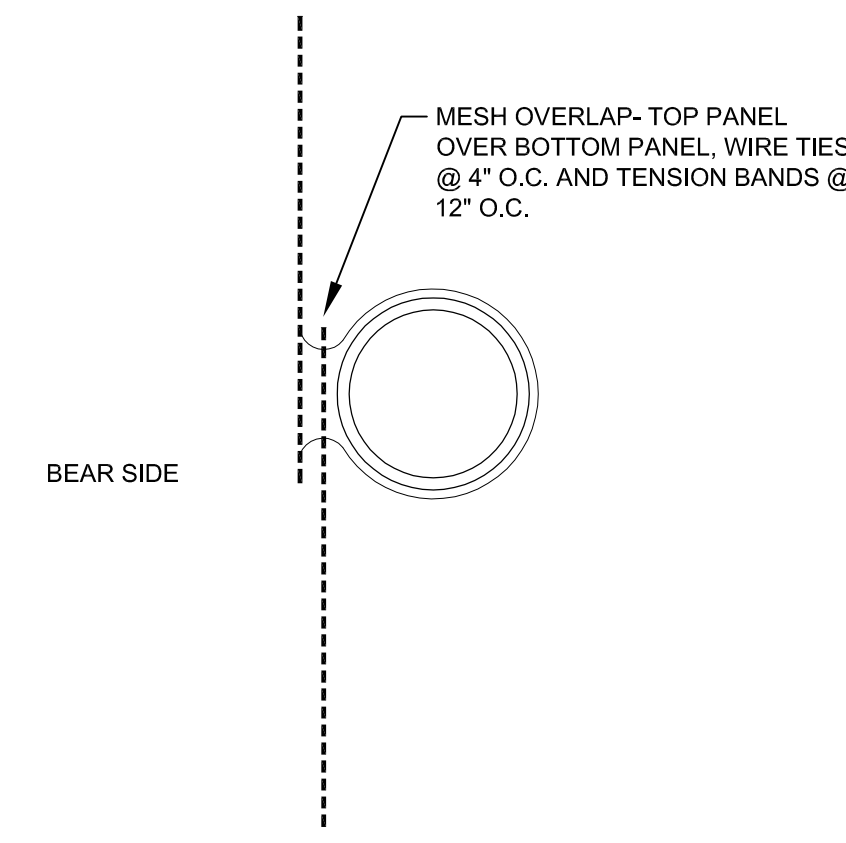




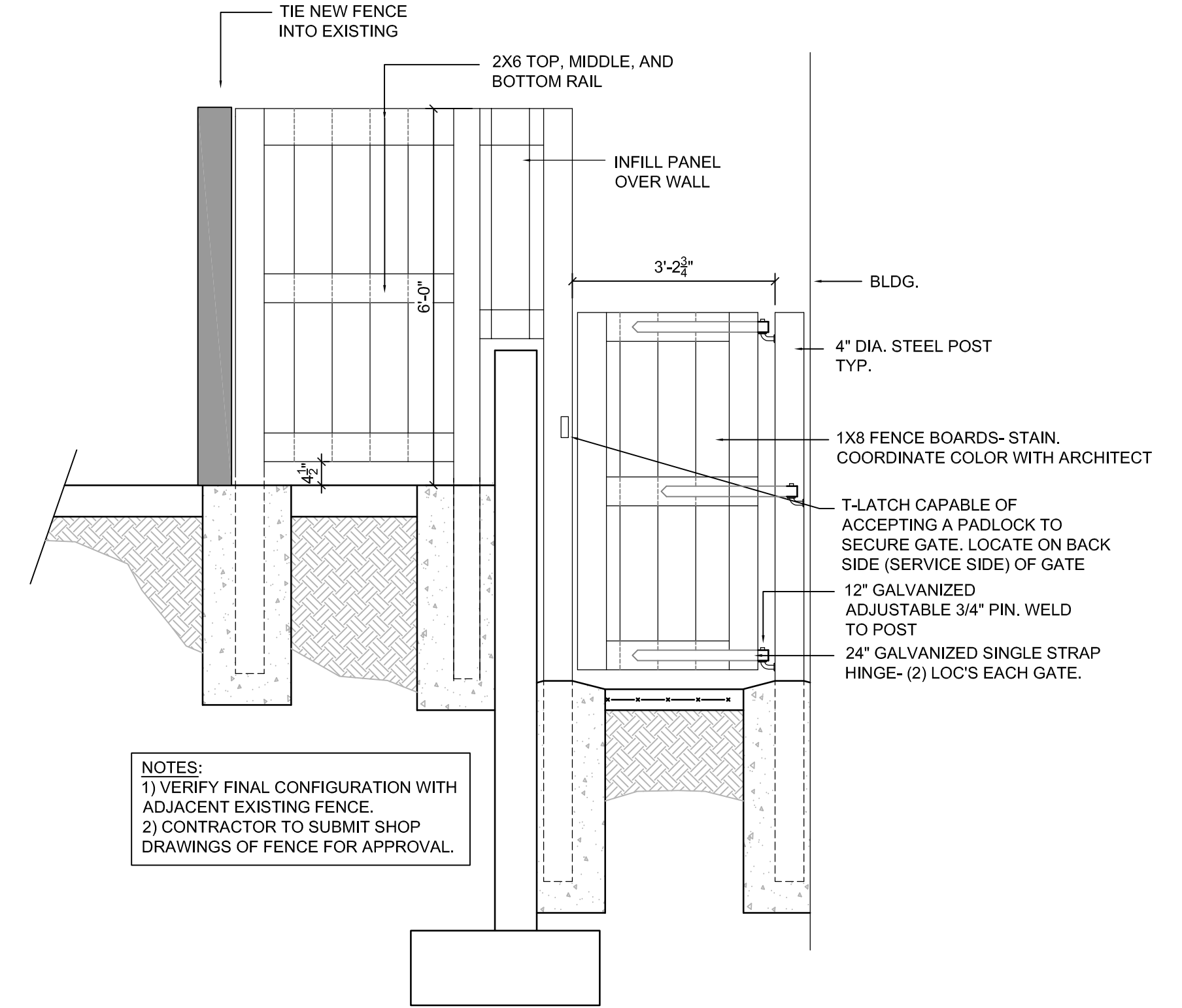
**A BEAR CONTAINMENT FENCE**  
SCALE: 1/2" = 1'-0"

1. WHERE FENCING TERMINATES AT BUILDING-POST SHOULD BE LESS THAN 2" FROM BUILDING. IF IT IS GREATER, FILL GAP WITH CONTINUOUS WELDED STEEL PLATE FIN.  
2. ALL VESTIBULES AT GATES SHALL HAVE CHAIN LINK LID.

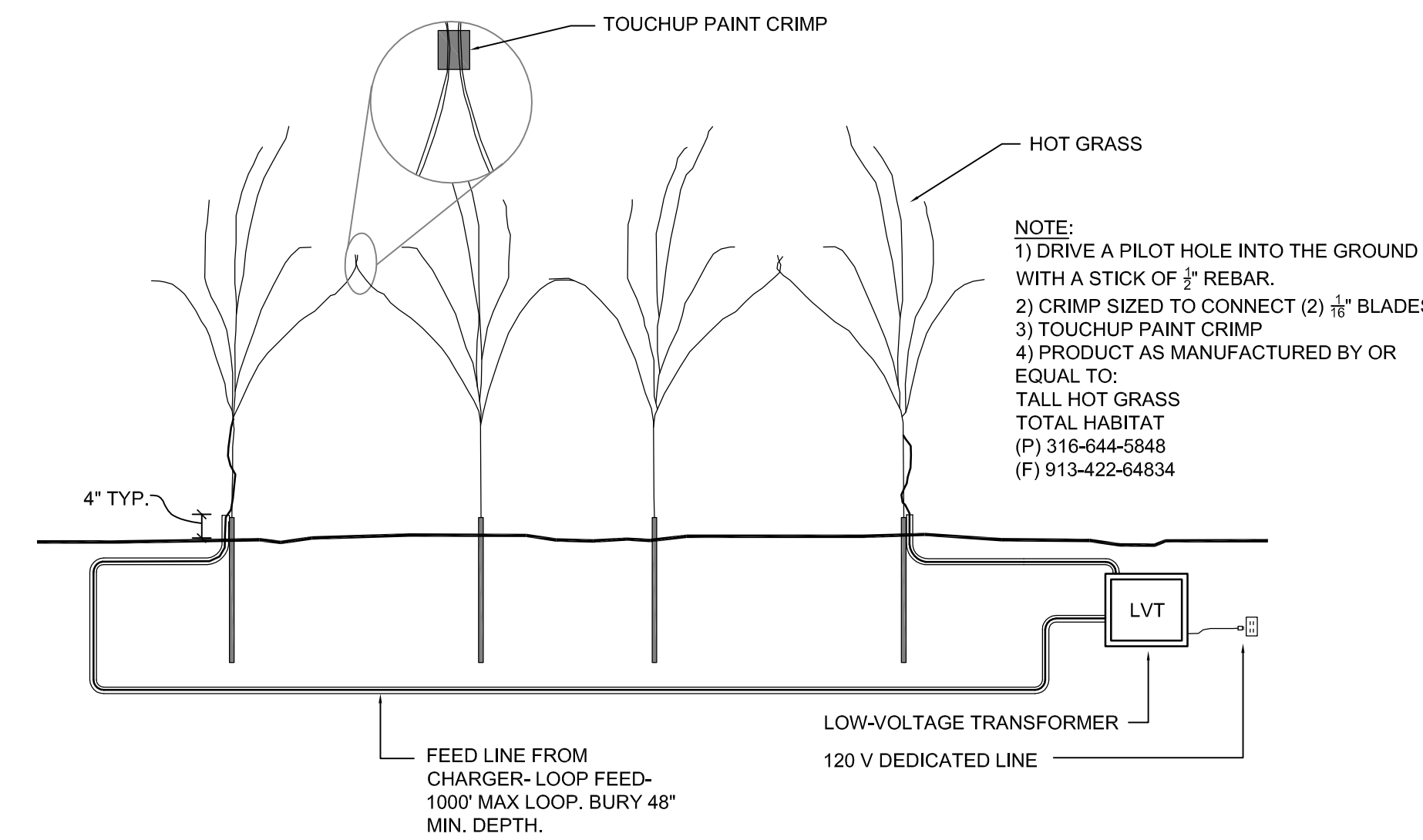
**B @MESH OVERLAP AT FABRIC PANELS**  
NTS



**I WOOD FENCE/ GATE**  
NTS

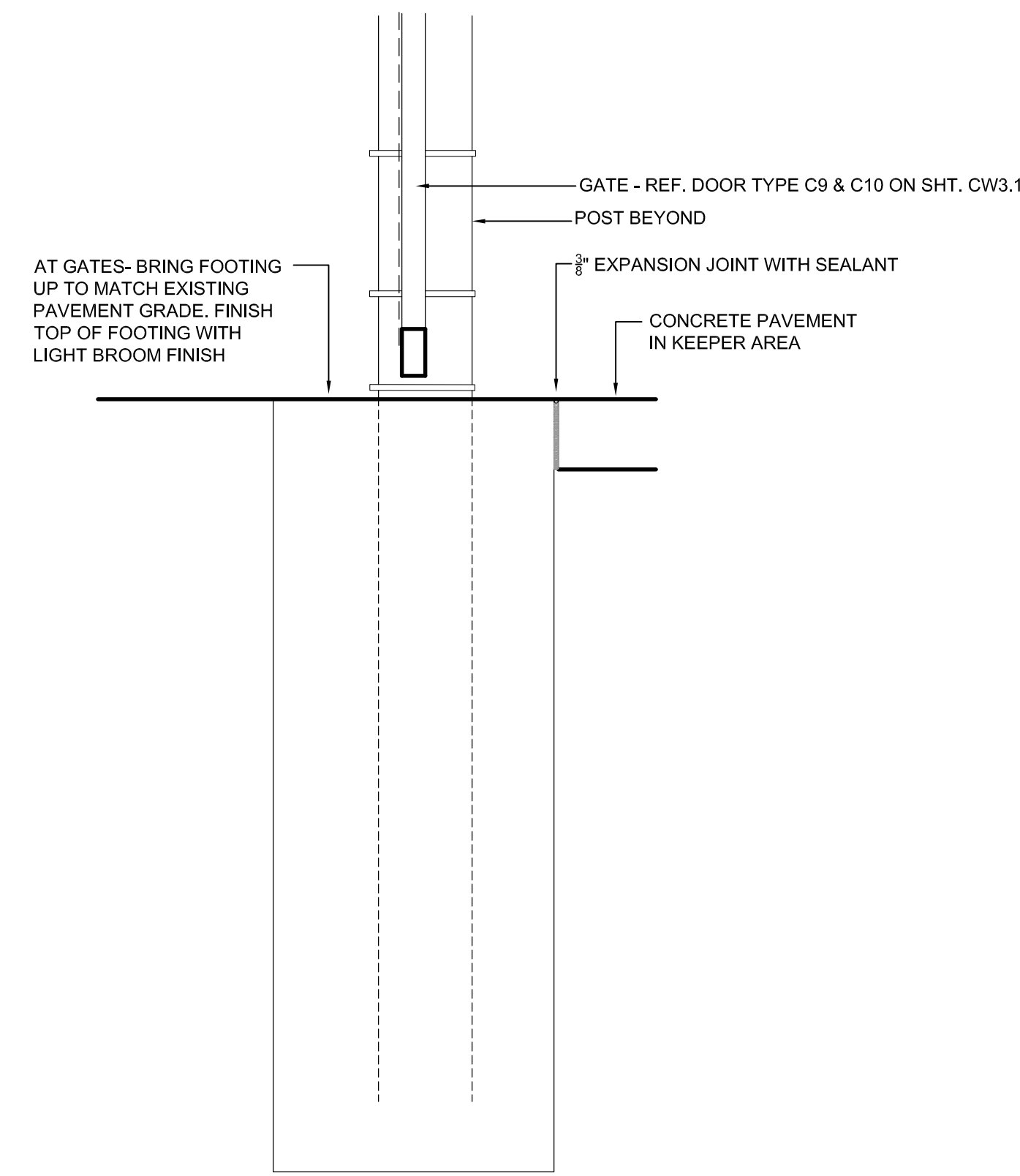


NOTES:  
1) VERIFY FINAL CONFIGURATION WITH ADJACENT EXISTING FENCE.  
2) CONTRACTOR TO SUBMIT SHOP DRAWINGS OF FENCE FOR APPROVAL.

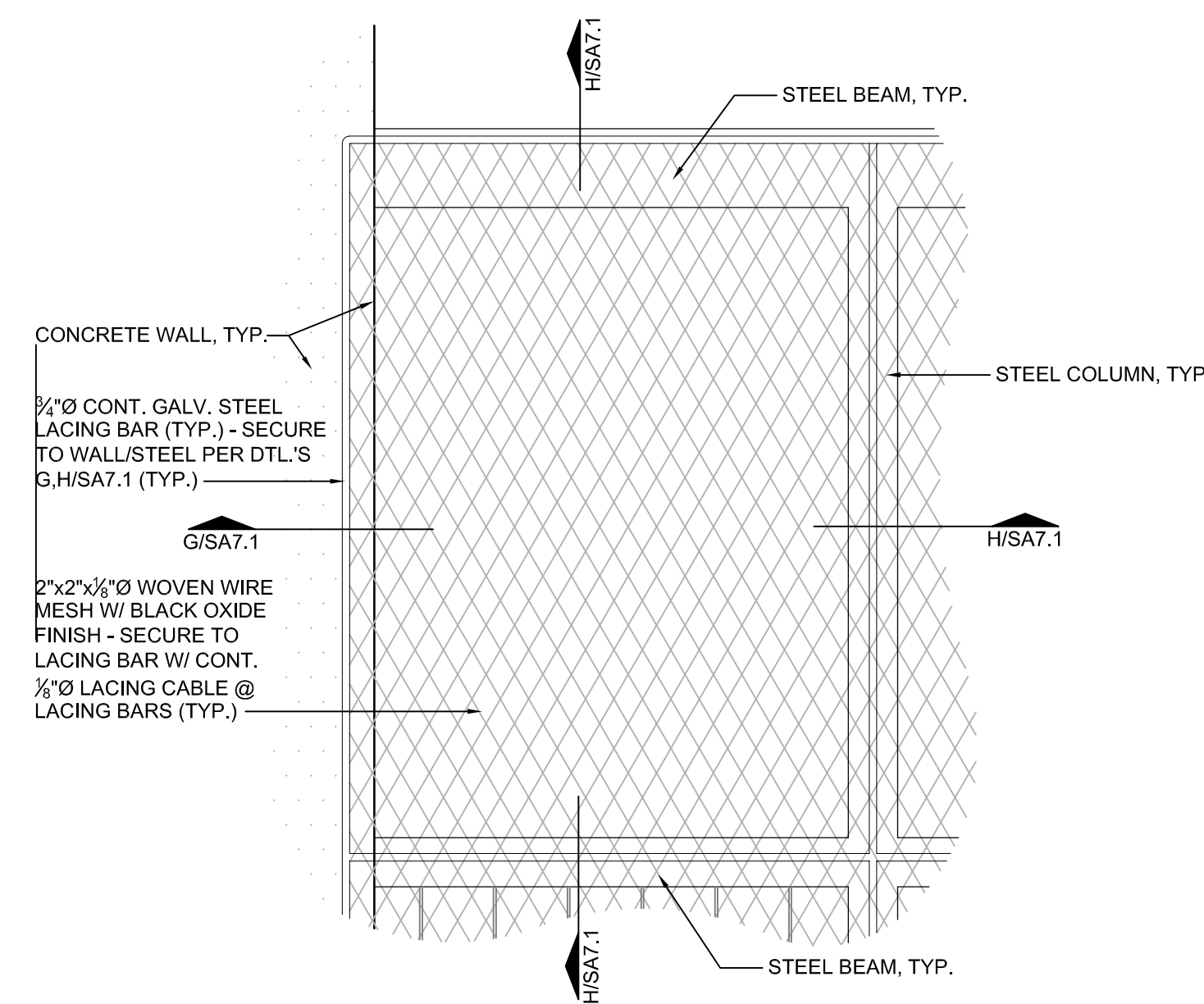


**C HOT GRASS**  
SCALE: 1/2" = 1'-0"

NOTE:  
REFER TO CAGework SHEET FOR GATES

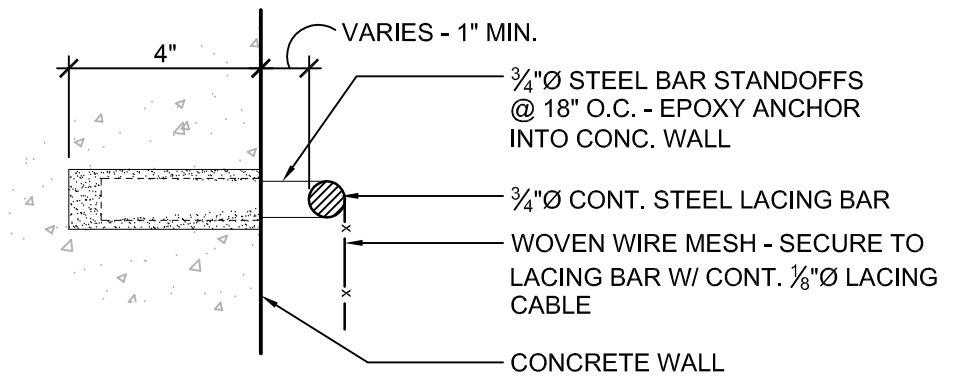


**E SILL CONDITION AT ACCESS GATES**  
SCALE: 1" = 1'-0"

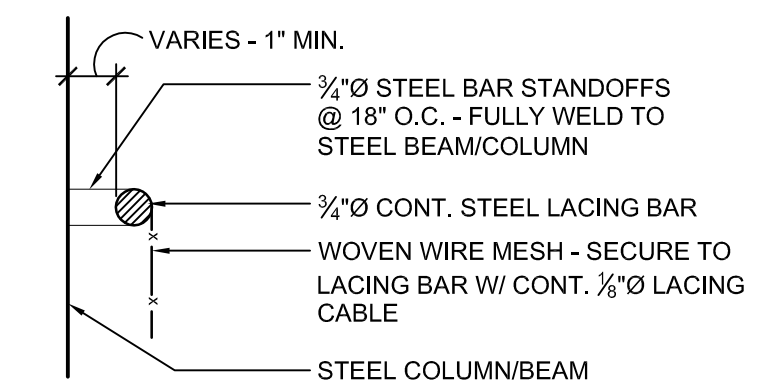


**F TYP. LACING BAR ELEVATION**  
SCALE: 1" = 1'-0"

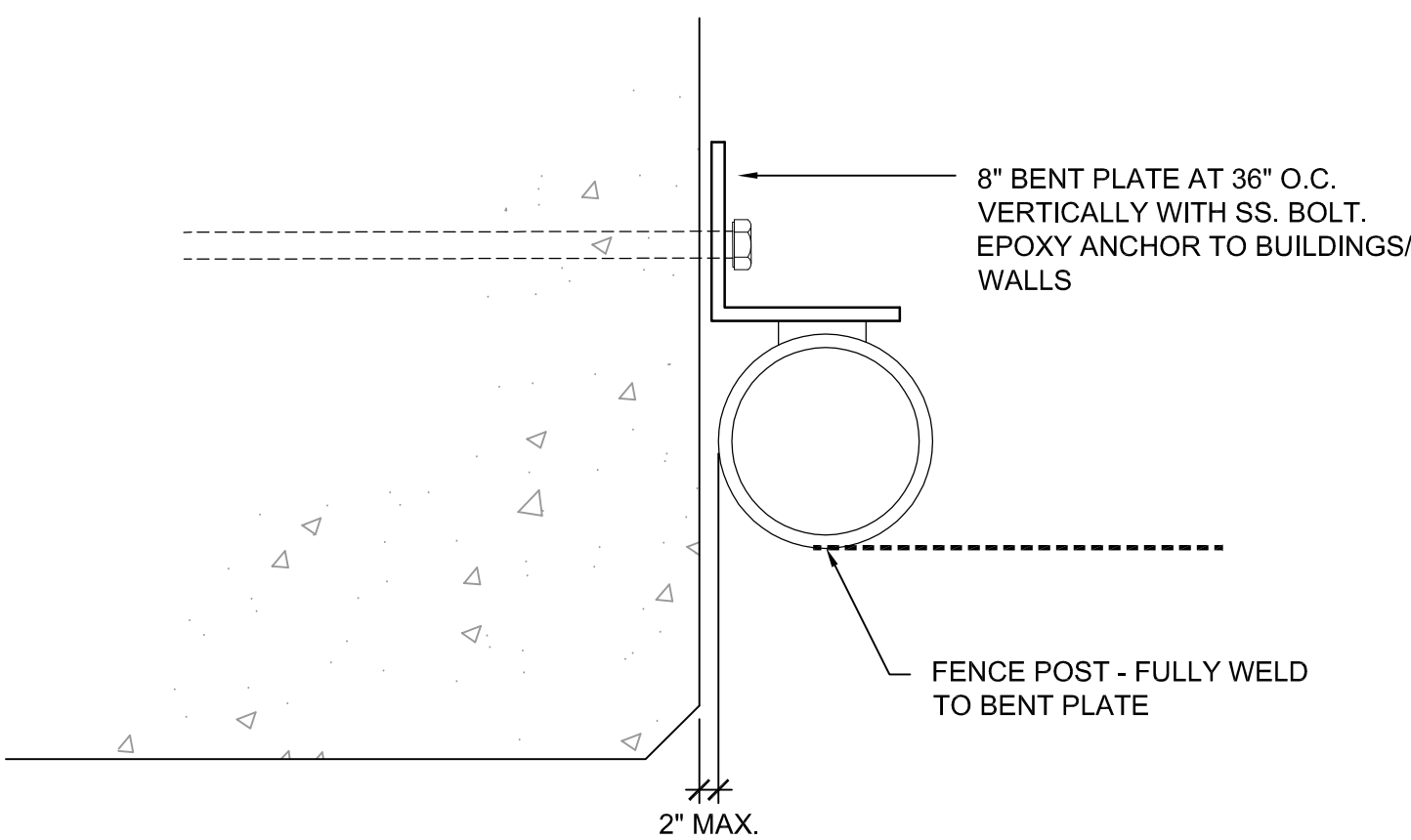
**G LACING BAR @ CONC. WALL**  
N.T.S.



**H LACING BAR @ STEEL**  
N.T.S.



**D FENCE POST AT BUILDINGS/ WALLS**  
NTS



**PROGRESS PRINT**  
NOT FOR CONSTRUCTION

**wdm ARCHITECTS**

WDM Architects P.A.  
105 North Washington  
Wichita, KS 67202-2815  
T 316.262.4700  
F 316.262.0002  
wdmarchitects.com

we do more  
**henry vilas**  
**ZOO**

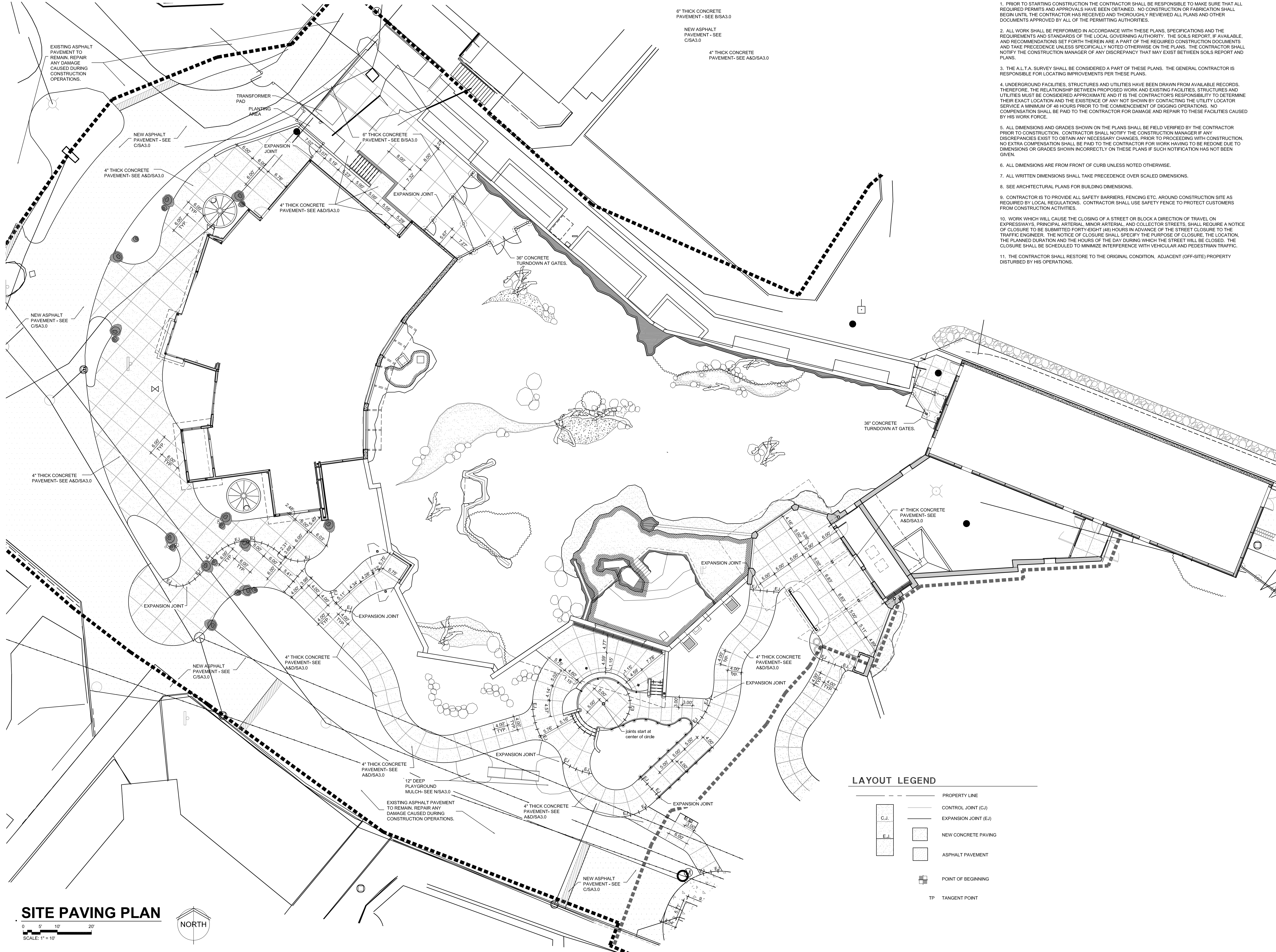
**ARCTIC ANIMAL EXHIBIT AND CONCESSIONS**  
RFB No. 313086  
Henry Vilas Zoo - County of Dane  
Department of Public Works  
Henry Vilas Zoo  
702 S Randall Ave  
Madison, Wisconsin  
1919 Alliant Energy Center Way  
Madison, Wisconsin

PRINTS ISSUED  
07.26.2013 - Schematic Design  
08.23.2013 - Design Development  
09.23.2013 - 65% CD's  
10.07.2013 - Pricing Set  
10.21.2013 - 95% CD's  
11.13.2013 - Bid Documents

WDM No. drawn: DS  
**13046** checked: SR  
FENCE DETAILS

**SA7.1**





**SITE PLAN NOTES**

1. PRIOR TO STARTING CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE TO MAKE SURE THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED ALL PLANS AND OTHER DOCUMENTS APPROVED BY ALL OF THE PERMITTING AUTHORITIES.
2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS, SPECIFICATIONS AND THE REQUIREMENTS AND STANDARDS OF THE LOCAL GOVERNING AUTHORITY. THE SOILS REPORT, IF AVAILABLE, AND RECOMMENDATIONS SET FORTH THEREIN ARE A PART OF THE REQUIRED CONSTRUCTION DOCUMENTS AND TAKE PRECEDENCE UNLESS SPECIFICALLY NOTED OTHERWISE ON THE PLANS. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER OF ANY DISCREPANCY THAT MAY EXIST BETWEEN SOILS REPORT AND PLANS.
3. THE A.L.T.A. SURVEY SHALL BE CONSIDERED A PART OF THESE PLANS. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR LOCATING IMPROVEMENTS PER THESE PLANS.
4. UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN DRAWN FROM AVAILABLE RECORDS. THEREFORE, THE RELATIONSHIP BETWEEN PROPOSED WORK AND EXISTING FACILITIES, STRUCTURES AND UTILITIES MUST BE CONSIDERED APPROXIMATE AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXACT LOCATION AND THE EXISTENCE OF ANY NOT SHOWN BY CONTACTING THE UTILITY LOCATOR SERVICE A MINIMUM OF 48 HOURS PRIOR TO THE COMMENCEMENT OF DIGGING OPERATIONS. NO COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR DAMAGE AND REPAIR TO THESE FACILITIES CAUSED BY HIS WORK FORCE.
5. ALL DIMENSIONS AND GRADES SHOWN ON THE PLANS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER IF ANY DISCREPANCIES EXIST TO OBTAIN ANY NECESSARY CHANGES. PRIOR TO PROCEEDING WITH CONSTRUCTION, NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR WORK HAVING TO BE REDONE DUE TO DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THESE PLANS IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.
6. ALL DIMENSIONS ARE FROM FRONT OF CURB UNLESS NOTED OTHERWISE.
7. ALL WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS.
8. SEE ARCHITECTURAL PLANS FOR BUILDING DIMENSIONS.
9. CONTRACTOR IS TO PROVIDE ALL SAFETY BARRIERS, FENCING ETC. AROUND CONSTRUCTION SITE AS REQUIRED BY LOCAL REGULATIONS. CONTRACTOR SHALL USE SAFETY FENCE TO PROTECT CUSTOMERS FROM CONSTRUCTION ACTIVITIES.
10. WORK WHICH WILL CAUSE THE CLOSING OF A STREET OR BLOCK A DIRECTION OF TRAVEL ON EXPRESSWAYS, PRINCIPAL ARTERIAL, MINOR ARTERIAL, AND COLLECTOR STREETS, SHALL REQUIRE A NOTICE OF CLOSURE TO BE SUBMITTED FORTY-EIGHT (48) HOURS IN ADVANCE OF THE STREET CLOSURE TO THE TRAFFIC ENGINEER. THE NOTICE OF CLOSURE SHALL SPECIFY THE PURPOSE OF CLOSURE, THE LOCATION, THE PLANNED DURATION AND THE HOURS OF THE DAY DURING WHICH THE STREET WILL BE CLOSED. THE CLOSURE SHALL BE SCHEDULED TO MINIMIZE INTERFERENCE WITH VEHICULAR AND PEDESTRIAN TRAFFIC.
11. THE CONTRACTOR SHALL RESTORE TO THE ORIGINAL CONDITION, ADJACENT (OFF-SITE) PROPERTY DISTURBED BY HIS OPERATIONS.

**wdm**  
ARCHITECTS  
WDM Architects P.A.  
105 North Washington  
Wichita, KS 67202-2815  
T 316.262.4700  
F 316.262.0002  
wdmarchitects.com

we do more  
**henry vilas**  
**700**

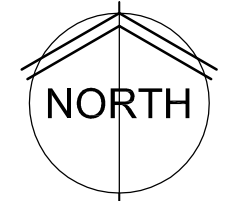
**ARCTIC ANIMAL EXHIBIT AND CONCESSIONS**  
RFB No. 313086  
Henry Vilas Zoo - County of Dane  
Department of Public Works  
1919 Alliant Energy Center Way  
Madison, Wisconsin

PRINTS ISSUED  
07.26.2013 - Schematic Design  
08.23.2013 - Design Development  
09.23.2013 - 65% CD's  
10.07.2013 - Pricing Set  
10.21.2013 - 95% CD's  
11.13.2013 - Bid Documents

WDM No. 13046 drawn: NS  
checked: SR  
SITE PAVING PLAN

**SA8.1**

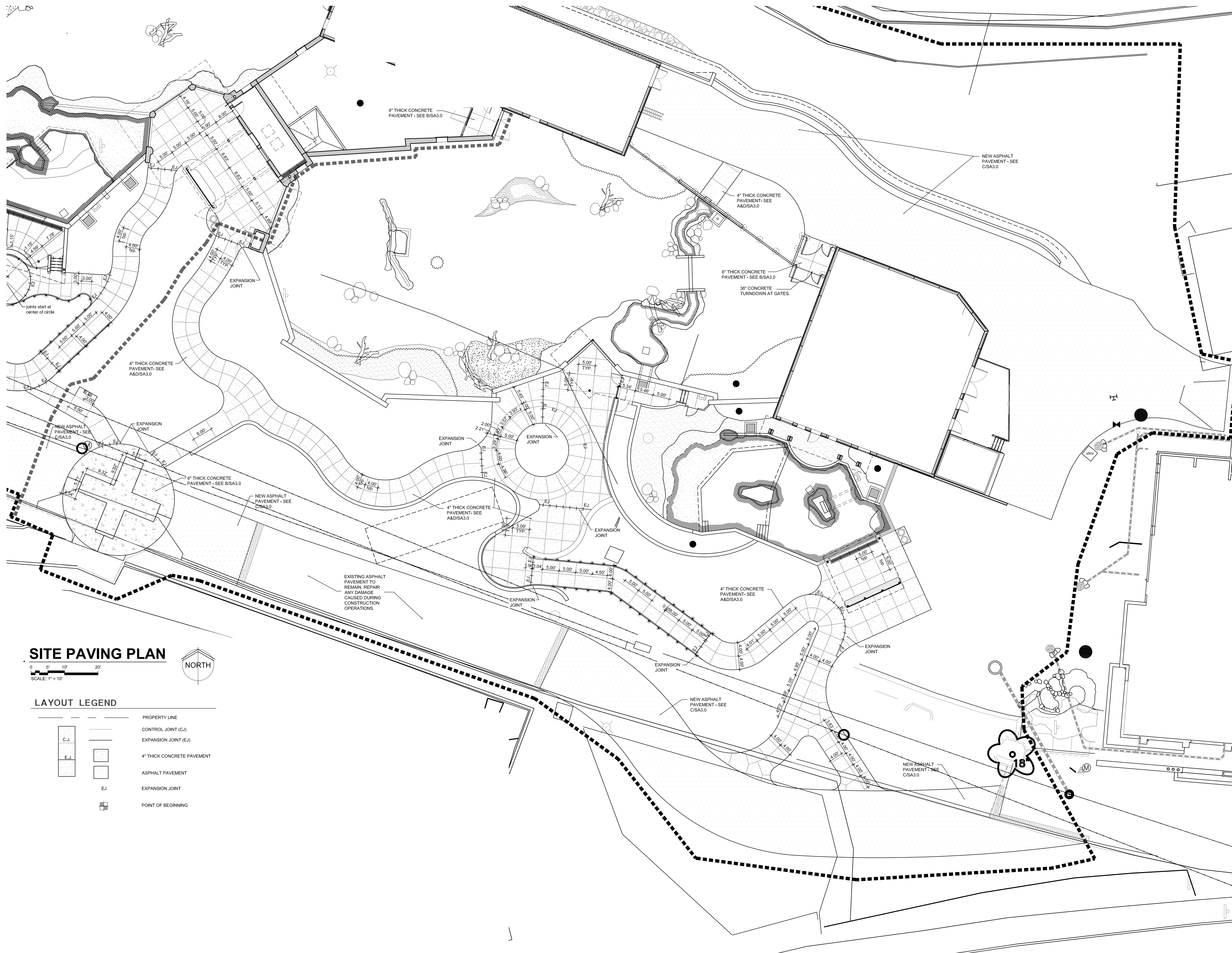
**SITE PAVING PLAN**  
SCALE: 1" = 10'



**LAYOUT LEGEND**

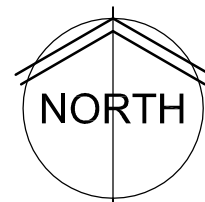
- PROPERTY LINE
- CONTROL JOINT (C.J.)
- EXPANSION JOINT (E.J.)
- NEW CONCRETE PAVING
- ASPHALT PAVEMENT
- POINT OF BEGINNING
- TP TANGENT POINT





**SITE PAVING PLAN**

0 5' 10' 20'  
SCALE: 1" = 10'

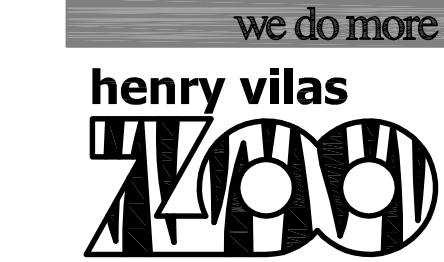


**LAYOUT LEGEND**

|  |                            |
|--|----------------------------|
|  | PROPERTY LINE              |
|  | CONTROL JOINT (CJ)         |
|  | EXPANSION JOINT (EJ)       |
|  | 4" THICK CONCRETE PAVEMENT |
|  | ASPHALT PAVEMENT           |
|  | EXPANSION JOINT            |
|  | POINT OF BEGINNING         |



WDM Architects P.A.  
105 North Washington  
Wichita, KS 67202-2815  
T 316.262.4700  
F 316.262.0002  
wdmarchitects.com



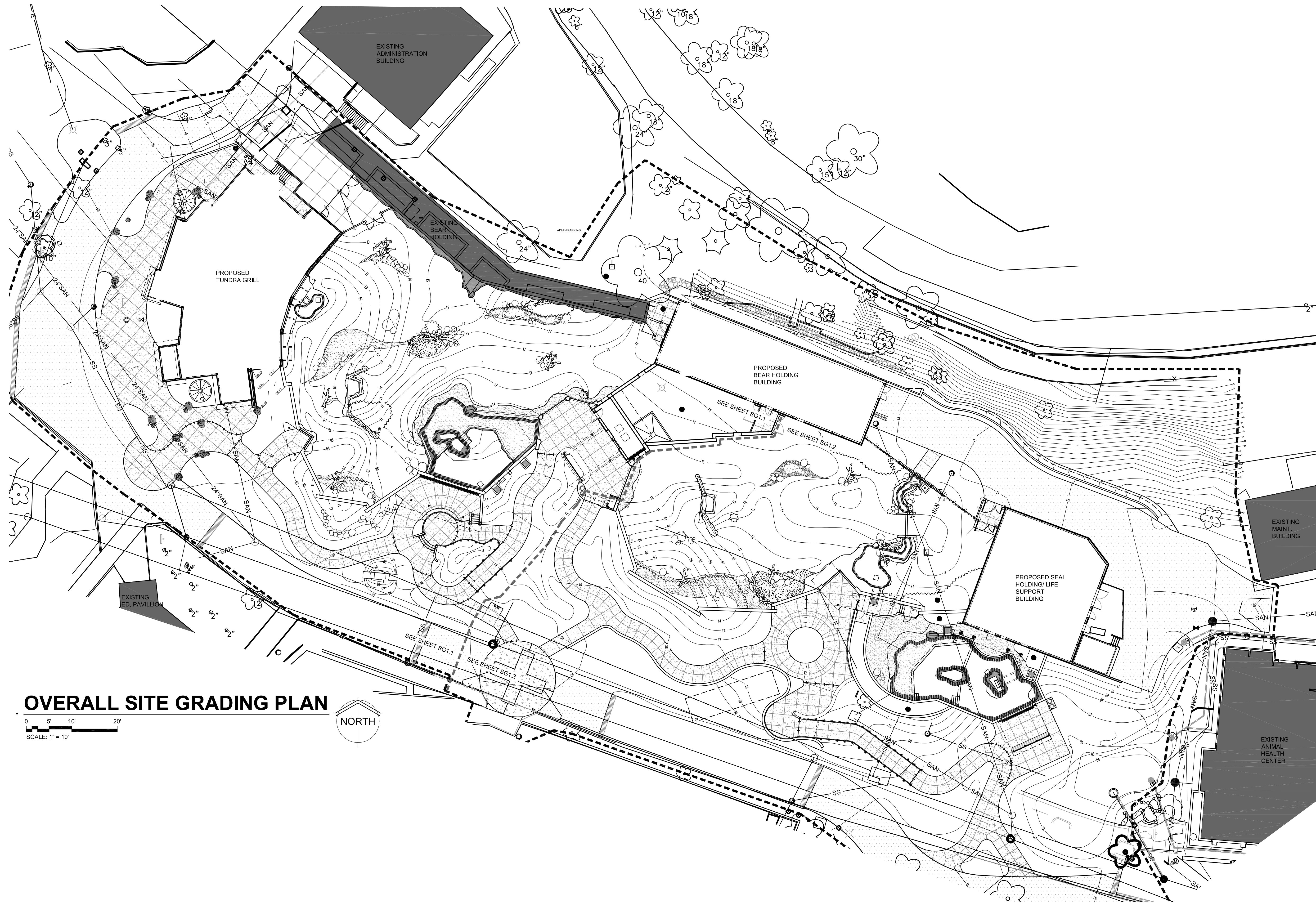
**ARCTIC ANIMAL EXHIBIT AND CONCESSIONS**  
RFB No. 313086  
Henry Vilas Zoo - County of Dane  
Department of Public Works  
702 S Randall Ave  
Madison, Wisconsin

PRINTS ISSUED  
07.26.2013 - Schematic Design  
08.23.2013 - Design Development  
09.23.2013 - 65% CD's  
10.07.2013 - Pricing Set  
10.21.2013 - 95% CD's  
11.13.2013 - Bid Documents

WDM No. 13046  
drawn: NS  
checked: SR  
SITE PAVING PLAN

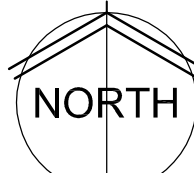
**SA8.2**





**OVERALL SITE GRADING PLAN**

0 5' 10' 20'  
SCALE: 1" = 10'



**NOTES:**

1. PROTECT ALL EXISTING UTILITIES TO REMAIN.
2. CONTRACTOR TO VERIFY LOCATION OF UTILITIES PRIOR TO EXCAVATION.
3. REMOVE TOPSOIL IN ALL AREAS TO BE DISTURBED AND STOCKPILE. COORDINATE LOCATIONS WITH ARCHITECT.
4. CONTOUR INTERVAL FOR EXISTING AND PROPOSED CONTOUR LINES ARE 1'-0".
5. PROPOSED CONTOURS SHOWN ARE FINISH GRADES AND READ TO TOP OF PAVEMENT AND FINISH DIRT GRADE.
6. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT GRADED AREAS FROM, AND AS NECESSARY RESTORE TO GRADE, ANY RUTS, WASHES OR OTHER CHANGES FROM THE DESIGN ELEVATIONS SHOWN HEREON. UNTIL GRADING WORK IS ACCEPTED BY THE OWNER AND ARCHITECT.
7. ALL GRADING SHALL BE DONE TO INSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS. IF DISCREPANCY EXISTS ON PLAN IMMEDIATELY NOTIFY ARCHITECT.
8. ALL SIDEWALKS (NON-RAMP) SHALL BE GRADED TO SLOPES NO GREATER THAN 1:20 (5%) IN THE DIRECTION OF TRAVEL. CROSS SLOPES (RAMPS INCLUDED) NO GREATER THAN 1:50 (2%).
9. ALL WEEDS, TRASH, DEBRIS, RUBBLE, BROKEN ASPHALT, ORGANIC MATERIAL (EXCLUDING TOP SOIL) AND REFUSE, OR ANY OTHER MATERIAL WHICH WOULD BE HARMFUL AS FILL MATERIAL OR INCAPABLE OF SUPPORTING BUILDING, VEHICULAR AND/OR OVERBURDEN LOADS TO BE CLEARED, SCRUBBED OR EXCAVATED AS THE CASE MAY DICTATE. THIS MATERIAL SHALL BE REMOVED FROM THE SITE AND DISPOSED OF PRIOR TO GRADING.
10. TOPOGRAPHIC SURVEY BY: MSA PROFESSIONAL SERVICES  
2801 INTERNATIONAL LANE  
MADISON, WI 53704  
1-800-446-0679  
608-242-7779
11. TOP OF WALL DESIGNATION REFERS TO TOP OF CONCRETE WALL ONLY.
12. BOLT GRATES TO ALL SWS CATCH BASINS. SEE CIVIL PLANS.
13. ALL GRADES SHALL MEET ADA REQUIREMENTS.

**LEGEND**

|           |                                                                     |
|-----------|---------------------------------------------------------------------|
| TF        | TOP OF FENCE                                                        |
| TW        | TOP OF WALL                                                         |
| TR        | TOP OF ROCK and/or THEMWORK                                         |
| TP        | TOP OF PAVEMENT                                                     |
| MT        | TOP OF PAVEMENT (MOAT)                                              |
| E         | EXISTING GRADE TO BE MAINTAINED                                     |
| EOP       | EDGE OF PAVEMENT                                                    |
| BP        | BOTTOM OF POOL                                                      |
| LP        | LOW POINT                                                           |
| HP        | HIGH POINT                                                          |
| GR        | GRADE                                                               |
| FL        | FLOW LINE                                                           |
| DB        | DRAIN BASIN                                                         |
| FPE       | FINISH FLOOR ELEVATION                                              |
| WS        | WATER SURFACE                                                       |
| TC        | TOP OF COLUMN                                                       |
| POOL RET. | POOL RETURN                                                         |
| TT        | TOP OF TUNNEL                                                       |
| EX        | EXISTING                                                            |
| TOP       | TOP OF INLET                                                        |
| □         | DRAIN BASIN SYMBOL - (See Civil Drawg for Underground Drain Piping) |
| XX/XX     | NEW SPOT ELEVATION                                                  |
| 100       | PROPOSED CONTOUR                                                    |
| 100       | EXISTING CONTOUR                                                    |
| ---       | DRAINAGE SWALE                                                      |
| ⬢         | THEMED ROCKS                                                        |
| ⬢         | LIVE ROCKS                                                          |
| ⬢         | LANDSCAPE BOULDERS                                                  |
| ---       | SIDEWALKS                                                           |

**RETAINING WALL RULES:**

1. UNLESS NOTED OTHERWISE, CONCRETE RETAINING WALLS ARE LEVEL ON TOP AT LOWER SPOT ELEVATION, STEPPING UP AT LOCATION OF HIGHER ELEVATION.
2. AN ARROW ON TOP OF A RETAINING WALL INDICATES SLOPING TOP FROM ONE ELEVATION TO NEXT.
3. LINE ACROSS RETAINING WALL INDICATES LOCATION OF STEP IN WALL.



WDM Architects P.A.  
105 North Washington  
Wichita, KS 67202-2815  
T 316.262.4700  
F 316.262.0002  
wdmarchitects.com



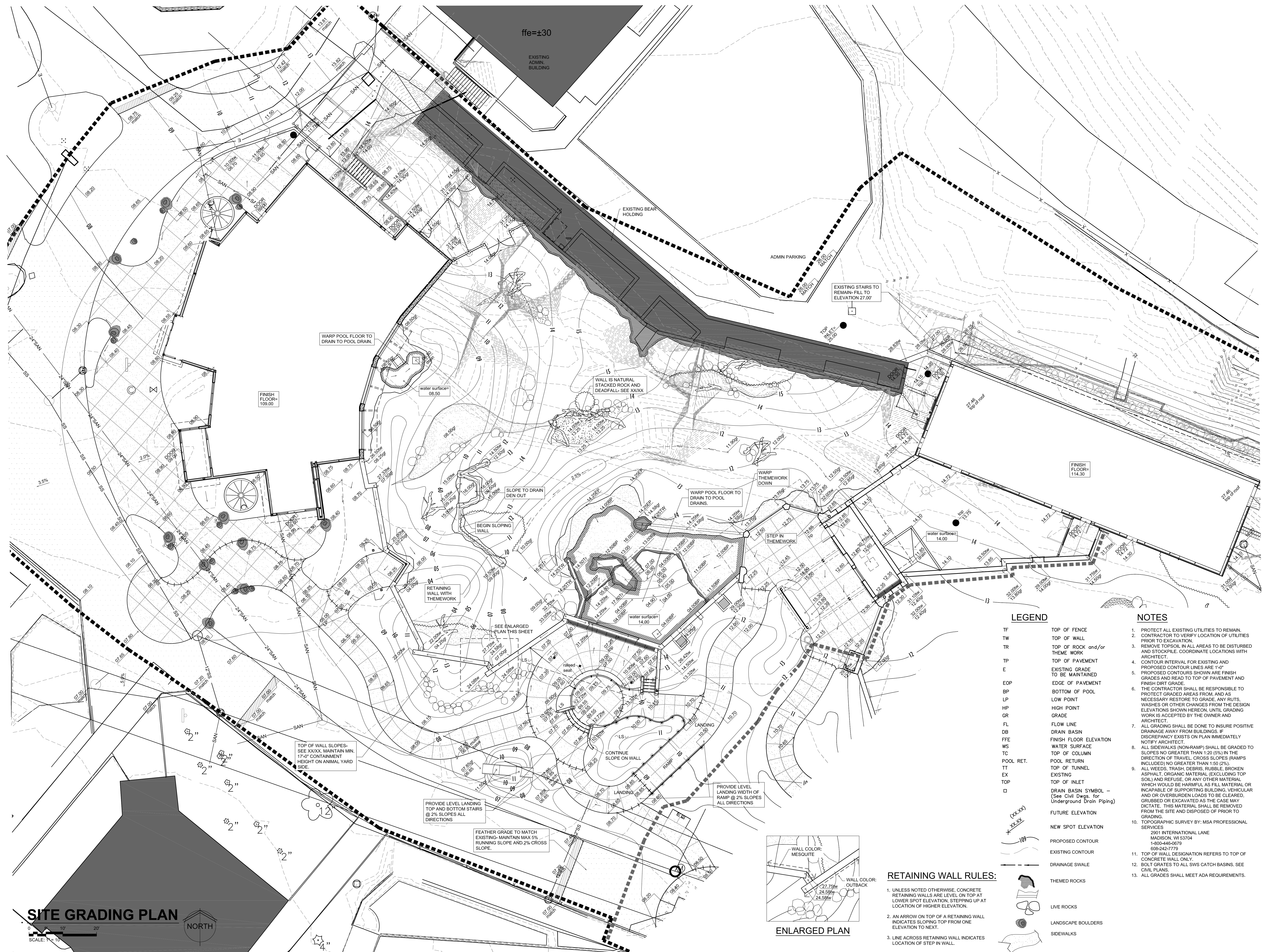
**ARCTIC ANIMAL EXHIBIT AND CONCESSIONS**  
RFB No. 313086  
Henry Vilas Zoo - County of Dane  
Henry Vilas Zoo - Department of Public Works  
702 S Randall Ave  
1919 Alliant Energy Center Way  
Madison, Wisconsin

PRINTS ISSUED  
07.26.2013 - Schematic Design  
08.23.2013 - Design Development  
09.23.2013 - 65% CD's  
10.07.2013 - Pricing Set  
10.21.2013 - 95% CD's  
11.13.2013 - Bid Documents

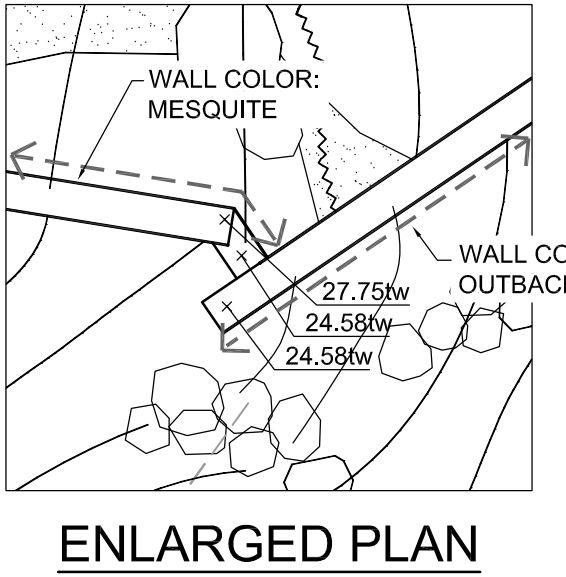
WDM No. 13046  
drawn: NS  
checked: SR  
SITE GRADING PLAN

**SG1.0**





ffe=±30  
EXISTING ADMIN. BUILDING



**RETAINING WALL RULES:**

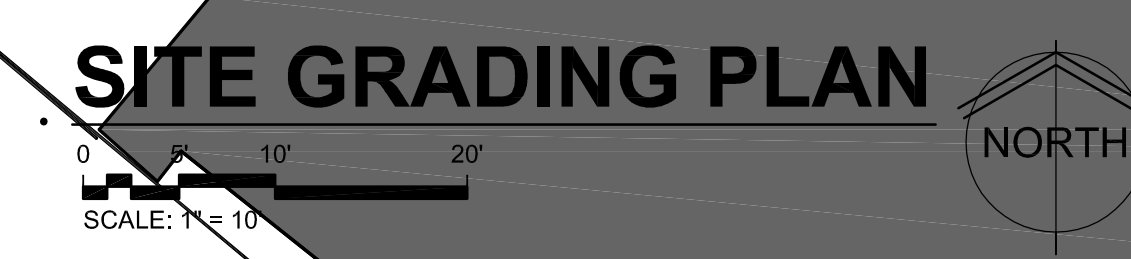
- UNLESS NOTED OTHERWISE, CONCRETE RETAINING WALLS ARE LEVEL ON TOP AT LOWER SPOT ELEVATION, STEPPING UP AT LOCATION OF HIGHER ELEVATION.
- AN ARROW ON TOP OF A RETAINING WALL INDICATES SLOPING TOP FROM ONE ELEVATION TO NEXT.
- LINE ACROSS RETAINING WALL INDICATES LOCATION OF STEP IN WALL.

**LEGEND**

- TF TOP OF FENCE
- TW TOP OF WALL
- TR TOP OF ROCK and/or THEME WORK
- TP TOP OF PAVEMENT
- E EXISTING GRADE TO BE MAINTAINED
- EOP EDGE OF PAVEMENT
- BP BOTTOM OF POOL
- LP LOW POINT
- HP HIGH POINT
- GR GRADE
- FL FLOW LINE
- DB DRAIN BASIN
- FFE FINISH FLOOR ELEVATION
- WS WATER SURFACE
- TC TOP OF COLUMN
- POOL RET. POOL RETURN
- TT TOP OF TUNNEL
- EX EXISTING
- TOP TOP OF INLET
- DRAIN BASIN SYMBOL - (See Civil Dwg. for Underground Drain Piping)
- FUTURE ELEVATION
- NEW SPOT ELEVATION
- PROPOSED CONTOUR
- EXISTING CONTOUR
- DRAINAGE SWALE
- THEMED ROCKS
- LIVE ROCKS
- LANDSCAPE BOULDERS
- SIDEWALKS

**NOTES**

- PROTECT ALL EXISTING UTILITIES TO REMAIN.
- CONTRACTOR TO VERIFY LOCATION OF UTILITIES PRIOR TO EXCAVATION.
- REMOVE TOPSOIL IN ALL AREAS TO BE DISTURBED AND STOCKPILE. COORDINATE LOCATIONS WITH ARCHITECT.
- CONTOUR INTERVAL FOR EXISTING AND PROPOSED CONTOUR LINES ARE 1'-0" GRADES AND READ TO TOP OF PAVEMENT AND FINISH DIRT GRADE.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT GRADED AREAS FROM, AND AS NECESSARY RESTORE TO GRADE, ANY RUTS, WASHES OR OTHER CHANGES FROM THE DESIGN ELEVATIONS SHOWN HEREON, UNTIL GRADING WORK IS ACCEPTED BY THE OWNER AND ARCHITECT.
- ALL GRADING SHALL BE DONE TO INSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS. IF DISCREPANCY EXISTS ON PLAN IMMEDIATELY NOTIFY ARCHITECT.
- ALL SIDEWALKS (NON-RAMP) SHALL BE GRADED TO SLOPES NO GREATER THAN 1:20 (5%) IN THE DIRECTION OF TRAVEL. CROSS SLOPES (RAMPS INCLUDED) NO GREATER THAN 1:50 (2%).
- ALL WEEDS, TRASH, DEBRIS, RUBBLE, BROKEN ASPHALT, ORGANIC MATERIAL (EXCLUDING TOP SOIL) AND REFUSE, OR ANY OTHER MATERIAL WHICH WOULD BE HARMFUL AS FILL MATERIAL OR INCAPABLE OF SUPPORTING BUILDING, VEHICULAR AND/OR OVERBURDEN LOADS TO BE CLEARED, GRUBBED OR EXCAVATED AS THE CASE MAY DICTATE. THIS MATERIAL SHALL BE REMOVED FROM THE SITE AND DISPOSED OF PRIOR TO GRADING.
- TOPOGRAPHIC SURVEY BY: MSA PROFESSIONAL SERVICES  
2901 INTERNATIONAL LANE  
MADISON, WI 53704  
1-800-446-0679  
608-242-7778
- TOP OF WALL DESIGNATION REFERS TO TOP OF CONCRETE WALL ONLY.
- BOLT GRATINGS TO ALL SWIS CATCH BASINS. SEE CIVIL PLANS.
- ALL GRADES SHALL MEET ADA REQUIREMENTS.



**wdm ARCHITECTS**  
WDM Architects P.A.  
105 North Washington  
Wichita, KS 67202-2815  
T 316.262.4700  
F 316.262.0002  
wdmarchitects.com

we do more  
**henry vilas**  
**700**

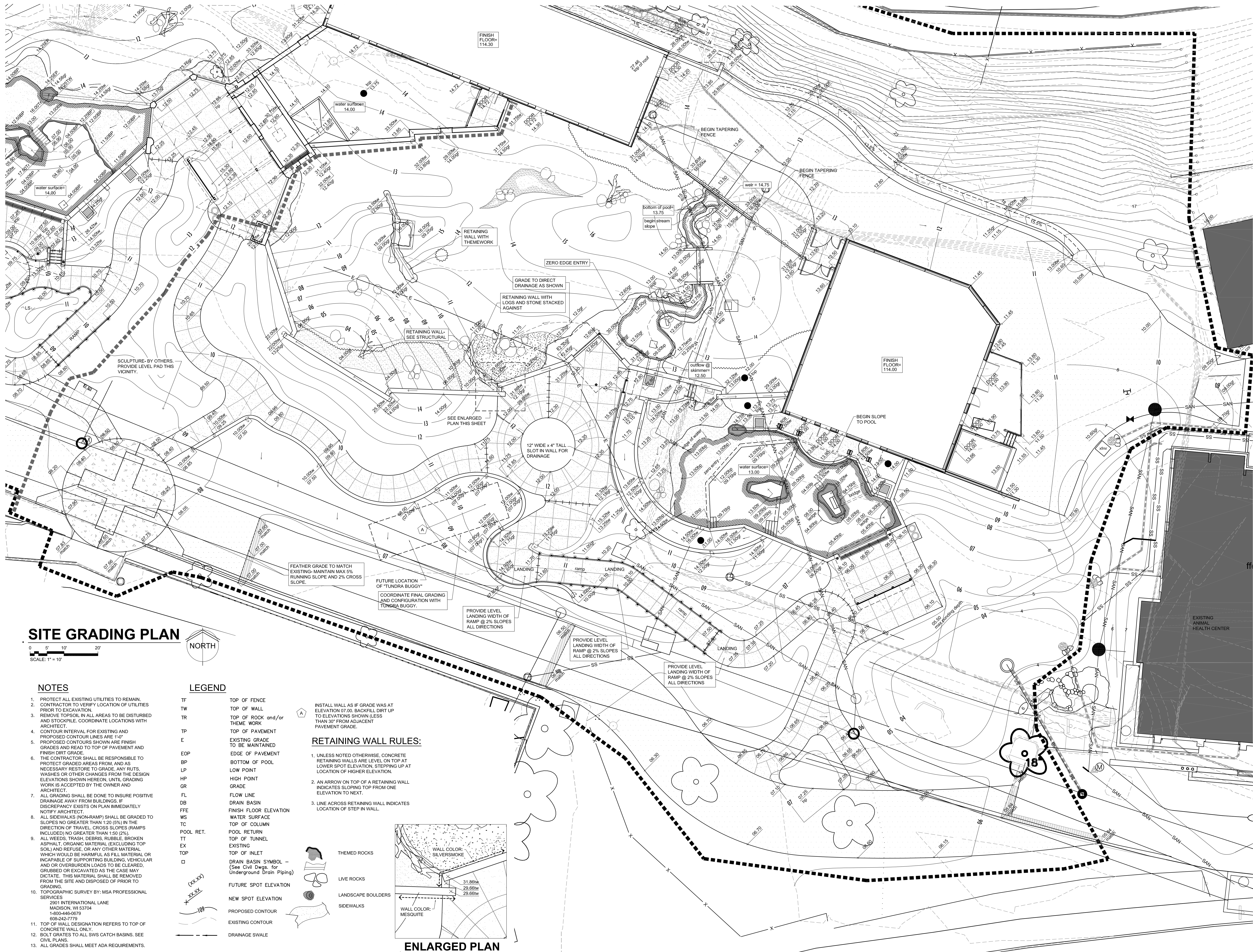
**ARCTIC ANIMAL EXHIBIT AND CONCESSIONS**  
RFB No. 313086  
Henry Vilas Zoo - County of Dane  
Department of Public Works  
1919 Alliant Energy Center Way  
702 S Randall Ave  
Madison, Wisconsin

PRINTS ISSUED  
07.26.2013 - Schematic Design  
08.23.2013 - Design Development  
09.23.2013 - 65% CD's  
10.07.2013 - Pricing Set  
10.21.2013 - 95% CD's  
11.13.2013 - Bid Documents

WDM No. drawn: NS  
**13046** checked: SR  
SITE GRADING PLAN

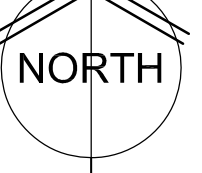
**SG1.1**





**SITE GRADING PLAN**

SCALE: 1" = 10'



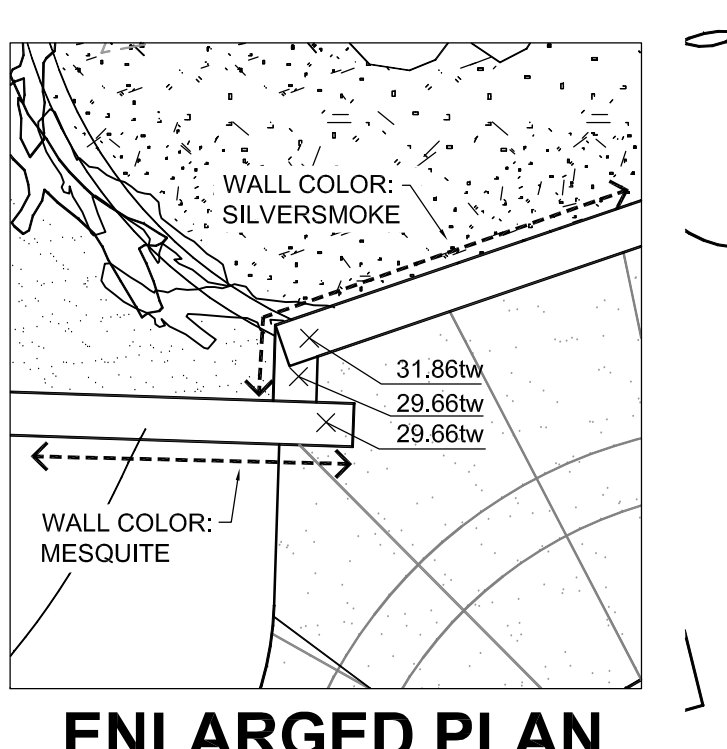
**NOTES**

- PROTECT ALL EXISTING UTILITIES TO REMAIN. CONTRACTOR TO VERIFY LOCATION OF UTILITIES PRIOR TO EXCAVATION.
- REMOVE TOPSOIL IN ALL AREAS TO BE DISTURBED AND STOCKPILE. COORDINATE LOCATIONS WITH ARCHITECT.
- CONTOUR INTERVAL FOR EXISTING AND PROPOSED CONTOUR LINES ARE 1'-0". PROPOSED CONTOURS SHOWN ARE FINISH GRADES AND READ TO TOP OF PAVEMENT AND FINISH DIRT GRADE.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT GRADED AREAS FROM, AND AS NECESSARY RESTORE TO GRADE, ANY RUTS, WASHES OR OTHER CHANGES FROM THE DESIGN ELEVATIONS SHOWN HEREON, UNTIL GRADING WORK IS ACCEPTED BY THE OWNER AND ARCHITECT.
- ALL GRADING SHALL BE DONE TO INSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS. IF DISCREPANCY EXISTS ON PLAN IMMEDIATELY NOTIFY ARCHITECT.
- ALL SIDEWALKS (NON-RAMP) SHALL BE GRADED TO SLOPES NO GREATER THAN 1:20 (5%) IN THE DIRECTION OF TRAVEL. CROSS SLOPES (RAMPS INCLUDED) NO GREATER THAN 1:50 (2%).
- ALL WEEDS, TRASH, DEBRIS, RUBBLE, BROKEN ASPHALT, ORGANIC MATERIAL (EXCLUDING TOP SOIL) AND REFUSE, OR ANY OTHER MATERIAL WHICH WOULD BE HARMFUL AS FILL MATERIAL OR INCAPABLE OF SUPPORTING BUILDING, VEHICULAR AND OR OVERBURDEN LOADS TO BE CLEARED, GRUBBED OR EXCAVATED AS THE CASE MAY DICTATE. THIS MATERIAL SHALL BE REMOVED FROM THE SITE AND DISPOSED OF PRIOR TO GRADING.
- TOPOGRAPHIC SURVEY BY: MSA PROFESSIONAL SERVICES  
2901 INTERNATIONAL LANE  
MADISON, WI 53704  
1-800-446-0679  
608-242-7779
- TOP OF WALL DESIGNATION REFERS TO TOP OF CONCRETE WALL ONLY.
- BOLT GRATES TO ALL SWS CATCH BASINS. SEE CIVIL PLANS.
- ALL GRADES SHALL MEET ADA REQUIREMENTS.

**LEGEND**

- TF TOP OF FENCE
- TW TOP OF WALL
- TR TOP OF ROCK and/or THEME WORK
- TP TOP OF PAVEMENT
- E EXISTING GRADE TO BE MAINTAINED
- EOP EDGE OF PAVEMENT
- BP BOTTOM OF POOL
- LP LOW POINT
- HP HIGH POINT
- GR GRADE
- FL FLOW LINE
- DB DRAIN BASIN
- FFE FINISH FLOOR ELEVATION
- WS WATER SURFACE
- TC TOP OF COLUMN
- POOL RET. TOP OF TUNNEL
- EX EXISTING
- TOP TOP OF INLET
- DRAIN BASIN SYMBOL - (See Civil Dwg. for Underground Drain Piping)
- FUTURE SPOT ELEVATION
- NEW SPOT ELEVATION
- PROPOSED CONTOUR
- EXISTING CONTOUR
- DRAINAGE SWALE

- RETAINING WALL RULES:**
- UNLESS NOTED OTHERWISE, CONCRETE RETAINING WALLS ARE LEVEL ON TOP AT LOWER SPOT ELEVATION, STEPPING UP AT LOCATION OF HIGHER ELEVATION.
  - AN ARROW ON TOP OF A RETAINING WALL INDICATES SLOPING TOP FROM ONE ELEVATION TO NEXT.
  - LINE ACROSS RETAINING WALL INDICATES LOCATION OF STEP IN WALL.



**wcm**  
ARCHITECTS  
WDM Architects P.A.  
105 North Washington  
Wichita, KS 67202-2815  
T 316.262.4700  
F 316.262.0002  
wdmarchitects.com

we do more  
**henry vilas**  
**zoo**

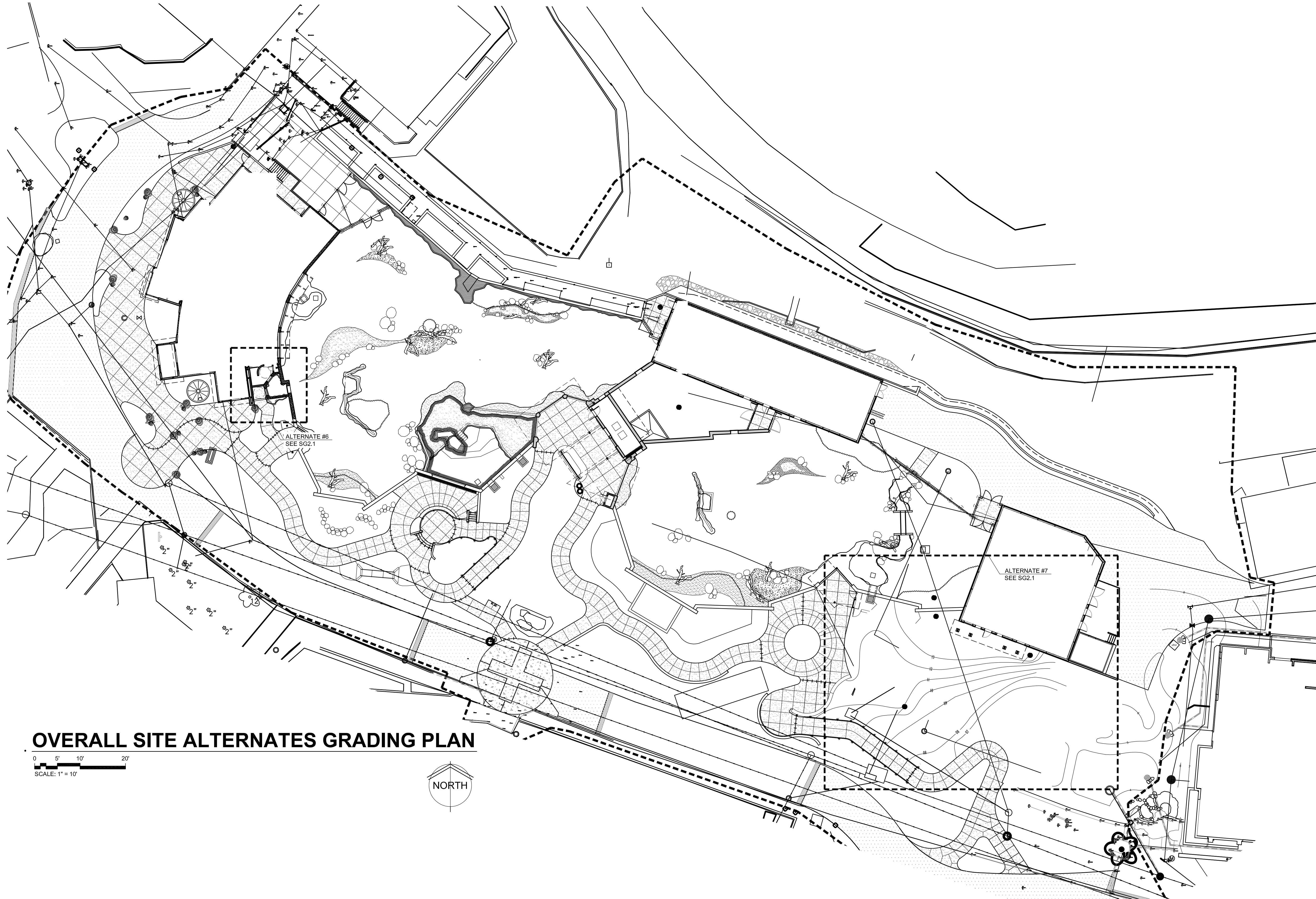
**ARCTIC ANIMAL EXHIBIT AND CONCESSIONS**  
RFB No. 31306  
Henry Vilas Zoo - County of Dane  
Department of Public Works  
1919 Alliant Energy Center Way  
Madison, Wisconsin

PRINTS ISSUED  
07.26.2013 - Schematic Design  
08.23.2013 - Design Development  
09.23.2013 - 65% CD's  
10.07.2013 - Pricing Set  
10.21.2013 - 95% CD's  
11.13.2013 - Bid Documents

WDM No. 13046 drawn: NS  
checked: SR  
SITE GRADING PLAN

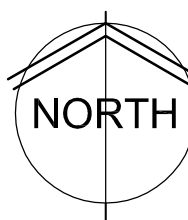
**SG1.2**





**OVERALL SITE ALTERNATES GRADING PLAN**

0 5' 10' 20'  
SCALE: 1" = 10'



**NOTES:**

1. PROTECT ALL EXISTING UTILITIES TO REMAIN.
2. CONTRACTOR TO VERIFY LOCATION OF UTILITIES PRIOR TO EXCAVATION.
3. REMOVE TOPSOIL IN ALL AREAS TO BE DISTURBED AND STOCKPILE. COORDINATE LOCATIONS WITH ARCHITECT.
4. CONTOUR INTERVAL FOR EXISTING AND PROPOSED CONTOUR LINES ARE 1'-0".
5. PROPOSED CONTOURS SHOWN ARE FINISH GRADES AND READ TO TOP OF PAVEMENT AND FINISH DIRT GRADE.
6. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT GRADED AREAS FROM AND AS NECESSARY RESTORE TO GRADE. ANY RUTS, WASHES OR OTHER CHANGES FROM THE DESIGN ELEVATIONS SHOWN HEREON UNTIL GRADING WORK IS ACCEPTED BY THE OWNER AND ARCHITECT.
7. ALL GRADING SHALL BE DONE TO INSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS. IF DISCREPANCY EXISTS ON PLAN IMMEDIATELY NOTIFY ARCHITECT.
8. ALL SIDEWALKS (NON-RAMP) SHALL BE GRADED TO SLOPES NO GREATER THAN 1:20 (5%) IN THE DIRECTION OF TRAVEL. CROSS SLOPES (RAMPS INCLUDED) NO GREATER THAN 1:50 (2%).
9. ALL WEEDS, TRASH, DEBRIS, RUBBLE, BROKEN ASPHALT, ORGANIC MATERIAL, (EXCLUDING TOP SOIL) AND REFUSE, OR ANY OTHER MATERIAL WHICH WOULD BE HARMFUL AS FILL MATERIAL OR INCAPABLE OF SUPPORTING BUILDINGS, VEHICULAR AND/OR OVERBURDEN LOADS TO BE CLEARED, GRUBBED OR EXCAVATED AS THE CASE MAY DICTATE. THIS MATERIAL SHALL BE REMOVED FROM THE SITE AND DISPOSED OF PRIOR TO GRADING.
10. TOPOGRAPHIC SURVEY BY: MSA PROFESSIONAL SERVICES  
2901 INTERNATIONAL LANE  
MADISON, WI 53704  
1-800-446-0679  
608-242-7779
11. TOP OF WALL DESIGNATION REFERS TO TOP OF CONCRETE WALL ONLY.
12. SCREW ATTACH GRATES TO ALL SWS CATCH BASINS. SEE CIVIL PLANS.
13. ALL GRADES SHALL MEET ADA REQUIREMENTS.

**LEGEND**

|           |                                                                    |
|-----------|--------------------------------------------------------------------|
| TF        | TOP OF FENCE                                                       |
| TW        | TOP OF WALL                                                        |
| TR        | TOP OF ROCK and/or THEMED ROCK                                     |
| TP        | TOP OF PAVEMENT                                                    |
| MT        | TOP OF PAVEMENT (MOAT)                                             |
| E         | EXISTING GRADE TO BE MAINTAINED                                    |
| EOP       | EDGE OF PAVEMENT                                                   |
| BP        | BOTTOM OF POOL                                                     |
| LP        | LOW POINT                                                          |
| HP        | HIGH POINT                                                         |
| GR        | GRADE                                                              |
| FL        | FLOW LINE                                                          |
| DB        | DRAIN BASIN                                                        |
| FFE       | FINISH FLOOR ELEVATION                                             |
| WS        | WATER SURFACE                                                      |
| TC        | TOP OF COLUMN                                                      |
| POOL RET. | POOL RETURN                                                        |
| TT        | TOP OF TUNNEL                                                      |
| EX        | EXISTING                                                           |
| TOP       | TOP OF INLET                                                       |
|           | DRAIN BASIN SYMBOL - (See Civil Dwg. for Underground Drain Piping) |
|           | NEW SPOT ELEVATION                                                 |
|           | PROPOSED CONTOUR                                                   |
|           | EXISTING CONTOUR                                                   |
|           | DRAINAGE SWALE                                                     |
|           | THEMED ROCKS                                                       |
|           | LIVE ROCKS                                                         |
|           | SIDEWALKS                                                          |

**RETAINING WALL RULES:**

1. UNLESS NOTED OTHERWISE, CONCRETE RETAINING WALLS ARE LEVEL ON TOP AT LOWER SPOT ELEVATION, STEPPING UP AT LOCATION OF HIGHER ELEVATION.
2. AN ARROW ON TOP OF A RETAINING WALL INDICATES SLOPING TOP FROM ONE ELEVATION TO NEXT.
3. LINE ACROSS RETAINING WALL INDICATES LOCATION OF STEP IN WALL.



WDM Architects P.A.  
105 North Washington  
Wichita, KS 67202-2815  
T 316.262.4700  
F 316.262.0002  
wdmarchitects.com



**ARCTIC ANIMAL EXHIBIT AND CONCESSIONS**  
RFB No. 313086  
Henry Vilas Zoo - County of Dane  
Department of Public Works  
Henry Vilas Zoo  
702 S Randall Ave  
Madison, Wisconsin  
1919 Alliant Energy Center Way  
Madison, Wisconsin

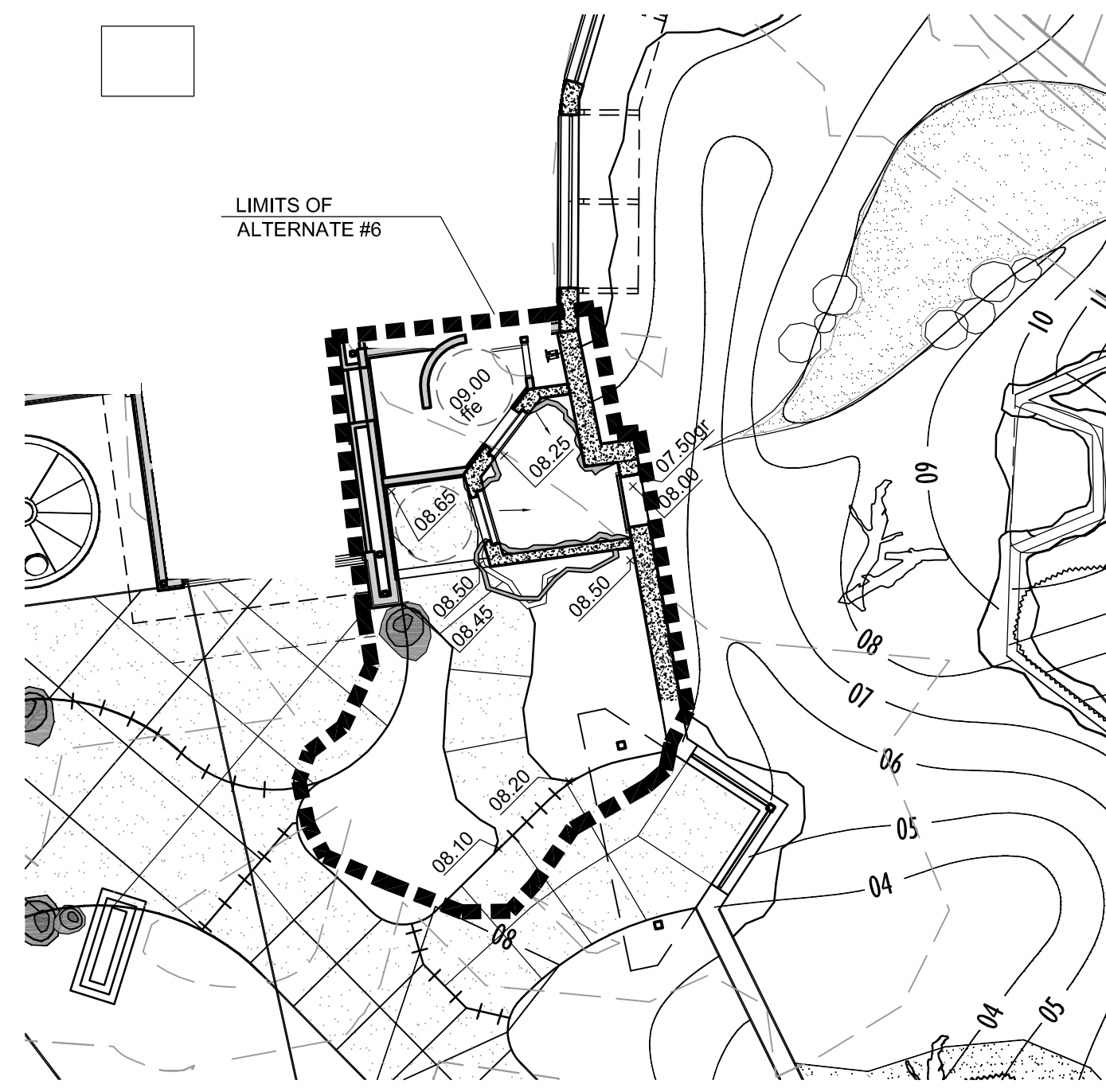
PRINTS ISSUED  
07.26.2013 - Schematic Design  
08.23.2013 - Design Development  
09.23.2013 - 65% CD's  
10.07.2013 - Pricing Set  
10.21.2013 - 95% CD's  
11.13.2013 - Bid Documents

WDM No. 13046 drawn: NS  
checked: SR

SITE GRADING PLAN  
-ALTERNATES-

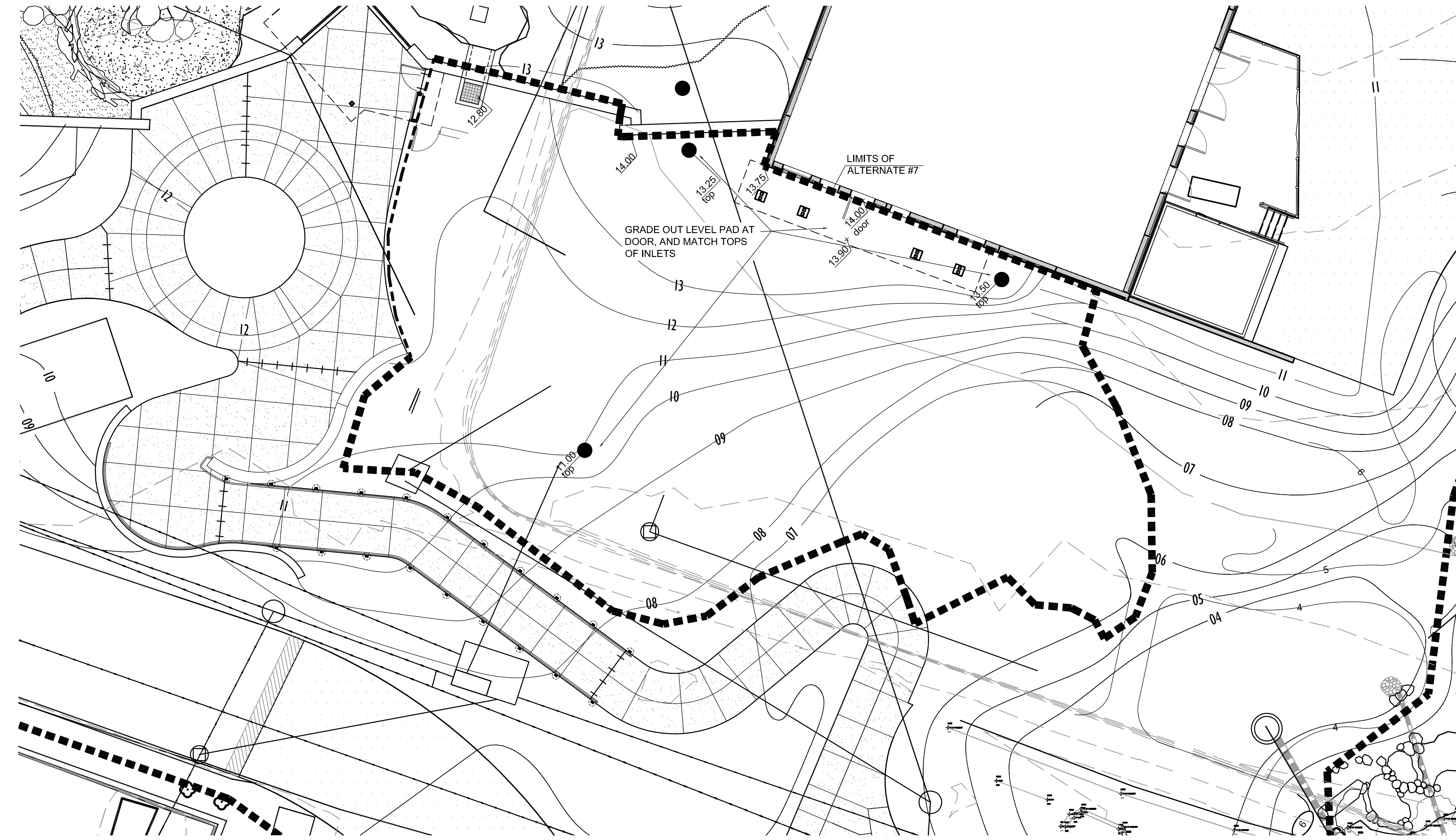
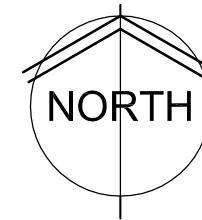
**SG2.0**





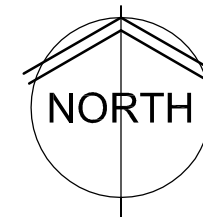
**BEAR DEN ALT #6  
SITE GRADING PLAN**

SCALE: 1" = 10'



**SEAL EXHIBIT DEDUCT ALT #7  
SITE GRADING PLAN**

SCALE: 1" = 10'



**NOTES:**

1. PROTECT ALL EXISTING UTILITIES TO REMAIN.
2. CONTRACTOR TO VERIFY LOCATION OF UTILITIES PRIOR TO EXCAVATION.
3. REMOVE TOPSOIL IN ALL AREAS TO BE DISTURBED AND STOCKPILE. COORDINATE LOCATIONS WITH ARCHITECT.
4. CONTOUR INTERVAL FOR EXISTING AND PROPOSED CONTOUR LINES ARE 1'-0". PROPOSED CONTOURS SHOWN ARE FINISH GRADES AND READ TO TOP OF PAVEMENT AND FINISH DIRT GRADE.
5. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT GRADED AREAS FROM, AND AS NECESSARY RESTORE TO GRADE, ANY RUTS, WASHES OR OTHER CHANGES FROM THE DESIGN ELEVATIONS SHOWN HEREON, UNTIL GRADING WORK IS ACCEPTED BY THE OWNER AND ARCHITECT.
6. ALL GRADING SHALL BE DONE TO INSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS. IF DISCREPANCY EXISTS ON PLAN IMMEDIATELY NOTIFY ARCHITECT.
7. ALL SIDEWALKS (NON-RAMP) SHALL BE GRADED TO SLOPES NO GREATER THAN 1:20 (5%) IN THE DIRECTION OF TRAVEL. GROSS SLOPES (RAMPS INCLUDED) NO GREATER THAN 1:50 (2%).
8. ALL WEEDS, TRASH, DEBRIS, RUBBLE, BROKEN ASPHALT, ORGANIC MATERIAL, EXCLUDING TOP SOIL) AND REFUSE, OR ANY OTHER MATERIAL WHICH WOULD BE HARMFUL AS FILL MATERIAL OR INCAPABLE OF SUPPORTING BUILDING, VEHICULAR AND OR OVERBURDEN LOADS TO BE CLEARED, GRUBBED OR EXCAVATED AS THE CASE MAY DICTATE. THIS MATERIAL SHALL BE REMOVED FROM THE SITE AND DISPOSED OF PRIOR TO GRADING.
9. TOPOGRAPHIC SURVEY BY: MSA PROFESSIONAL SERVICES  
2901 INTERNATIONAL LANE  
MADISON, WI 53704  
1-800-446-2679  
608-242-7779
10. TOP OF WALL DESIGNATION REFERS TO TOP OF CONCRETE WALL ONLY.
11. SCREW ATTACH GRATES TO ALL SWS CATCH BASINS. SEE CIVIL PLANS.
12. ALL GRADES SHALL MEET ADA REQUIREMENTS.

**LEGEND**

|           |                                 |
|-----------|---------------------------------|
| TF        | TOP OF FENCE                    |
| TW        | TOP OF WALL                     |
| TR        | TOP OF ROCK and/or THEMWORK     |
| TP        | TOP OF PAVEMENT                 |
| MT        | TOP OF PAVEMENT (MOAT)          |
| E         | EXISTING GRADE TO BE MAINTAINED |
| EOP       | EDGE OF PAVEMENT                |
| BP        | BOTTOM OF POOL                  |
| LP        | LOW POINT                       |
| HP        | HIGH POINT                      |
| GR        | GRADE                           |
| FL        | FLOW LINE                       |
| DB        | DRAIN BASIN                     |
| FFE       | FINISH FLOOR ELEVATION          |
| WS        | WATER SURFACE                   |
| TC        | TOP OF COLUMN                   |
| POOL RET. | POOL RETURN                     |
| TT        | TOP OF TUNNEL                   |
| EX        | EXISTING                        |
| TOP       | TOP OF INLET                    |

□ DRAIN BASIN SYMBOL - (See Civil Dwg. for Underground Drain Piping)

▲ NEW SPOT ELEVATION

~ PROPOSED CONTOUR

— EXISTING CONTOUR

— DRAINAGE SWALE

■ THEMED ROCKS

○ LIVE ROCKS

● LANDSCAPE BOULDERS

— SIDEWALKS

**RETAINING WALL RULES:**

1. UNLESS NOTED OTHERWISE, CONCRETE RETAINING WALLS ARE LEVEL ON TOP AT LOWER SPOT ELEVATION, STEPPING UP AT LOCATION OF HIGHER ELEVATION.
2. AN ARROW ON TOP OF A RETAINING WALL INDICATES SLOPING TOP FROM ONE ELEVATION TO NEXT.
3. LINE ACROSS RETAINING WALL INDICATES LOCATION OF STEP IN WALL.



WDM Architects P.A.  
105 North Washington  
Wichita, KS 67202-2815  
T 316.262.4700  
F 316.262.0002  
wdmarchitects.com



**ARCTIC ANIMAL EXHIBIT AND CONCESSIONS**  
RFB No. 313086  
Henry Vilas Zoo - County of Dane  
Henry Vilas Zoo - Department of Public Works  
702 S Randall Ave  
Madison, Wisconsin

PRINTS ISSUED  
07.26.2013 - Schematic Design  
08.23.2013 - Design Development  
09.23.2013 - 65% CD's  
10.07.2013 - Pricing Set  
10.21.2013 - 95% CD's  
11.13.2013 - Bid Documents

WDM No. 13046 drawn: NS  
checked: SR

SITE GRADING PLAN  
-ALTERNATES-

**SG2.1**