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4/20/2025 7:30:29 AM
12" = 1'-0"

EMERY COUNTY SCHOOL

GREEN RIVER HIGH SCHOOL TENNIS COURTS

745 WEST PIRATE AVE.

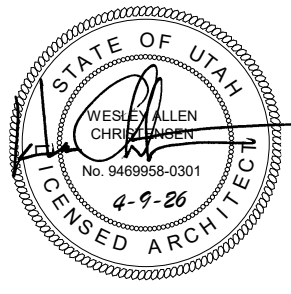
GREEN RIVER, UTAH

PROJECT CONTACTS

OWNER
EMERY COUNTY SCHOOL DISTRICT
120 NORTH MAIN STREET
HUNTINGTON, UTAH 84528
(385) 687-9846



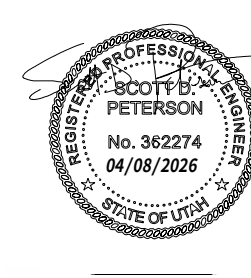
ARCHITECTURAL
KMA ARCHITECTS, INC.
170 NORTH MAIN STREET
SPANISH FORK, UTAH 84660
(801) 377-5062



ELECTRICAL
RESOLUT GROUP
181 EAST 5600 SOUTH
MURRAY, UTAH 84107
(801) 530-3148



CIVIL
ATLAS ENGINEERING
946 EAST 800 NORTH SUITE A
SPANISH FORK, UTAH 84660
(801) 655-0566



GRAPHIC SYMBOLS

	ENGINEERED FILL		PLYWOOD		WALLTYPE TAG
	EARTH		HARDWOOD		DOOR NUMBER
	CONCRETE		RIGID INSULATION		WINDOW TYPE
	ASPHALT		BATT INSULATION		CEILING HEIGHT
	BRICK VENEER		BLOCKING		SHEET NOTE
	STONE VENEER		GYPSUM BOARD		BUILDING ELEVATION MARK
	WOOD STUDS		PROPERTY LINE		ROOM NUMBER

	DETAIL TAG
	ELEVATION MARK
	SECTION MARK

PROJECT

GREEN RIVER HIGH SCHOOL IS TO RECEIVE A BRAND NEW TENNIS COURT WITH PICKLE BALL COURTS, AS WELL AS NEW LIGHTING WITH SITE MODIFICATIONS.

THE HIGH SCHOOL WILL ALSO RECEIVE NEW INFRASTRUCTURE FOR A GENERATOR.

INDEX OF DRAWINGS

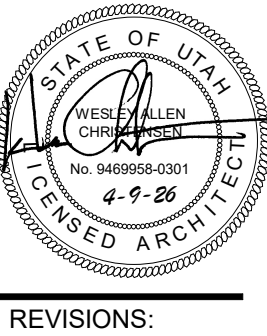
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2 -	DEMOLITION PLAN
3 -	GRADING PLAN
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RENDERING

VICINITY MAP



170 NORTH MAIN STREET
SPANISH FORK, UTAH 84660
WWW.KMAARCHITECTS.COM

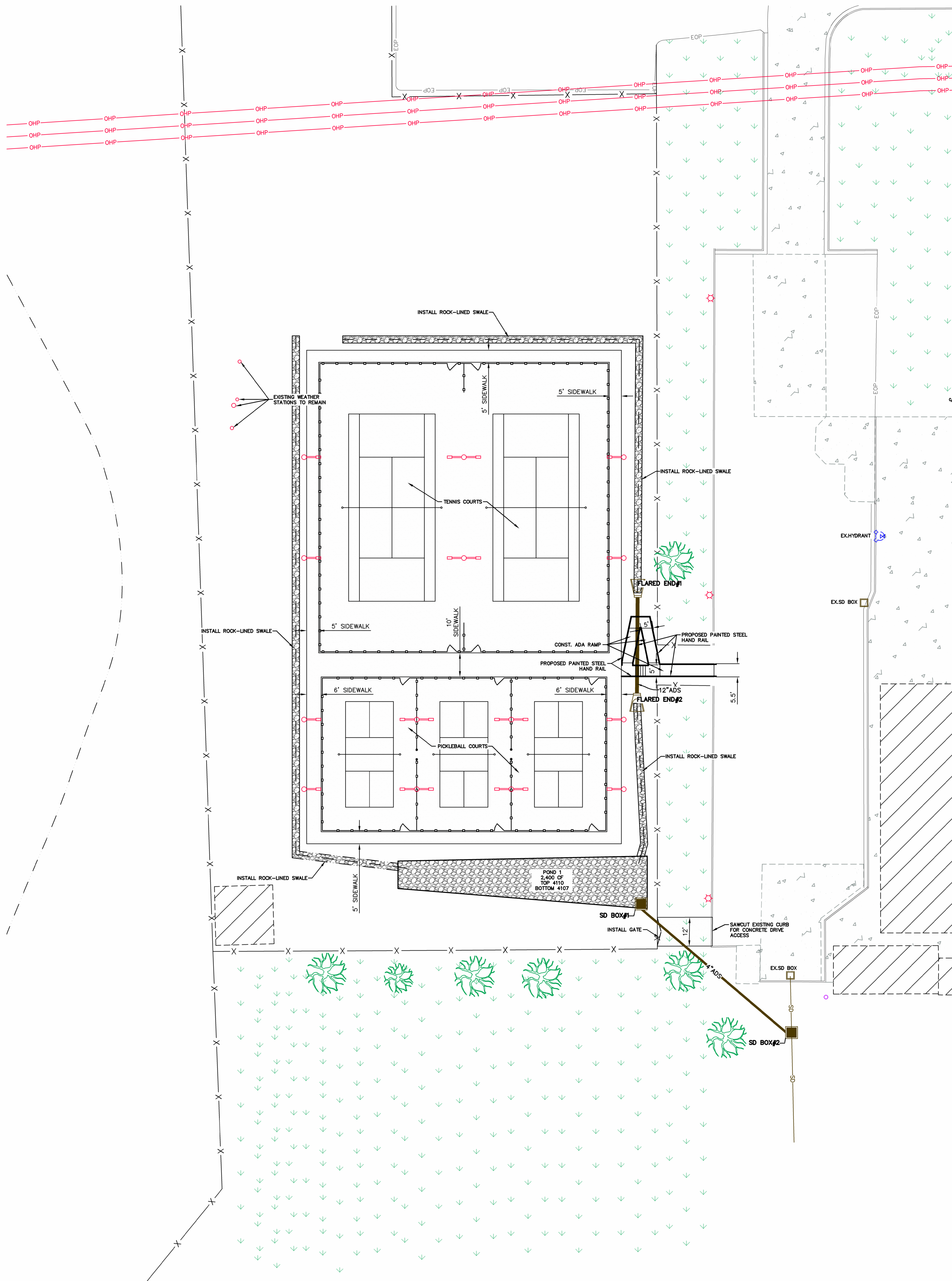


REVISIONS:

PROJECT TITLE
EMERY COUNTY SCHOOL DISTRICT
GREEN RIVER HIGH SCHOOL TENNIS COURT
745 WEST PIRATE AVE.
GREEN RIVER, UTAH

DRAWN BY: STAFF
CHECKED BY: WC
DATE: APR 2026
PROJECT #: 176625

TITLE

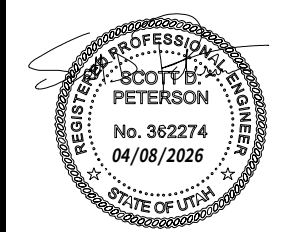


LEGEND

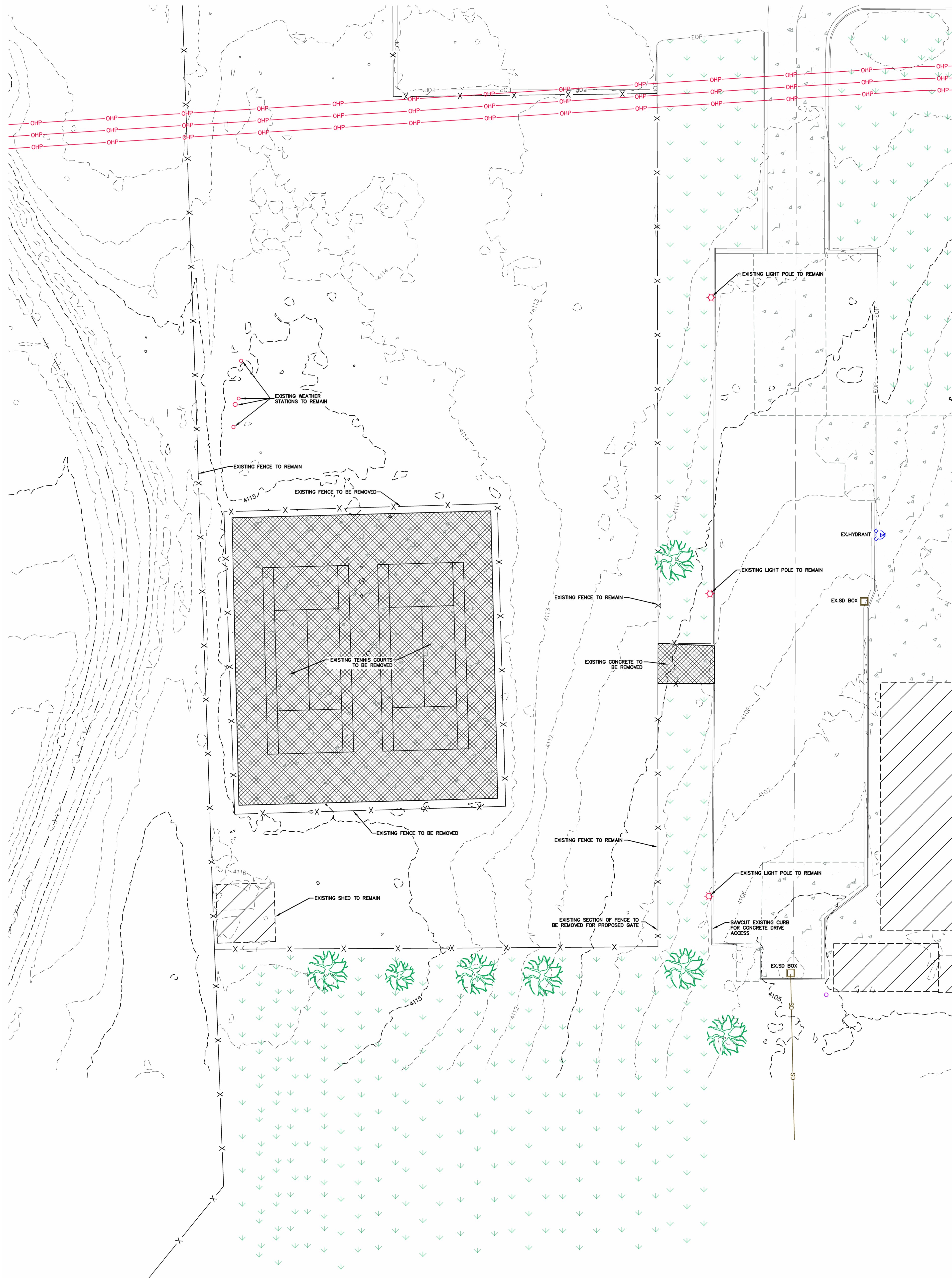
- EXISTING POWER POLE
- PROPOSED STREET LIGHT
- EXISTING FIRE HYDRANT
- EXISTING WATER VALVE
- EXISTING STREET LIGHT
- EXISTING SIGN
- PROPOSED FIRE HYDRANT
- PROPOSED WATER VALVE
- PROPERTY BOUNDARY
- CENTERLINE
- RIGHT-OF-WAY LINE
- LOT LINE
- SECTION LINE
- EASEMENT
- EXISTING DEED LINE
- EDGE OF PAVEMENT
- OHP
- EXISTING OVER HEAD POWER
- EXISTING FENCE LINE
- EXISTING SANITARY SEWER W/MANHOLE
- EXISTING STORM DRAIN W/MH
- EXISTING WATER
- EXISTING PRESSURIZED IRRIGATION
- PROPOSED SEWER
- PROPOSED STORM DRAIN
- PROPOSED CULINARY WATER
- PROPOSED PRESSURIZED IRRIGATION (PURPLE PVC)
- PROPOSED ASPHALT
- PROPOSED CONCRETE/CURB & GUTTER



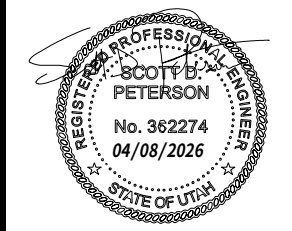
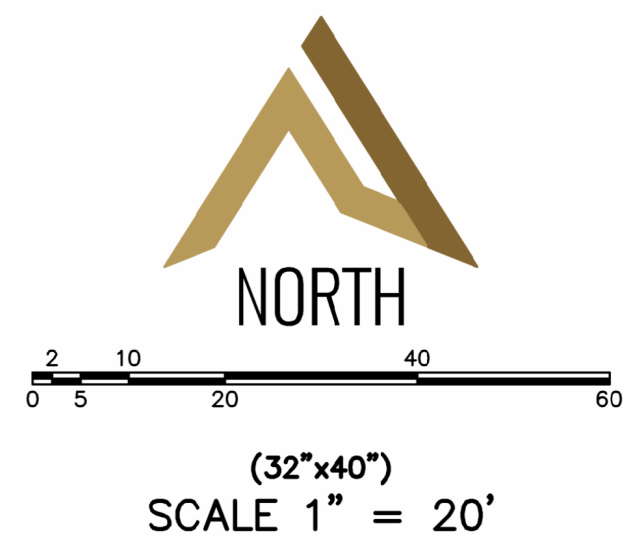
(32"x40")
SCALE 1" = 20'



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LEGEND	
	EXISTING POWER POLE
	PROPOSED STREET LIGHT
	EXISTING FIRE HYDRANT
	EXISTING WATER VALVE
	EXISTING STREET LIGHT
	EXISTING SIGN
	PROPOSED FIRE HYDRANT
	PROPOSED WATER VALVE
	PROPERTY BOUNDARY
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	EXISTING FENCE LINE
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	EXISTING STORM DRAIN W/MH
	EXISTING WATER
	EXISTING PRESSURIZED IRRIGATION
	PROPOSED SEWER
	PROPOSED STORM DRAIN
	PROPOSED CULINARY WATER
	PROPOSED PRESSURIZED IRRIGATION (PURPLE PVC)
	PROPOSED ASPHALT
	PROPOSED CONCRETE/CURB & GUTTER



REVISIONS:



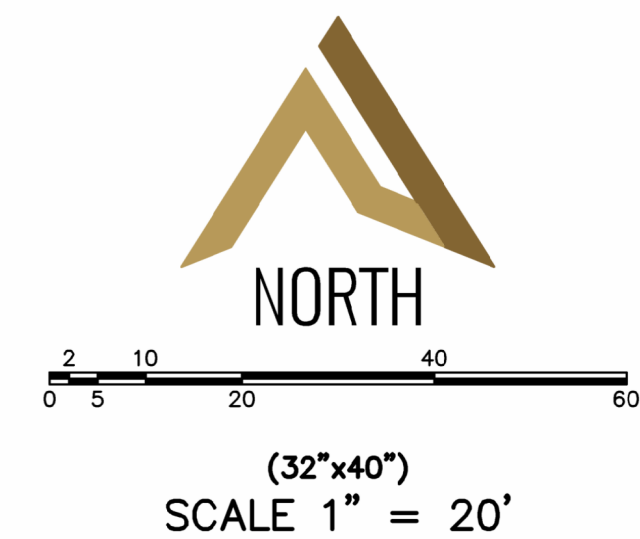
170 NORTH MAIN STREET
SPANISH FORK, UTAH 84660
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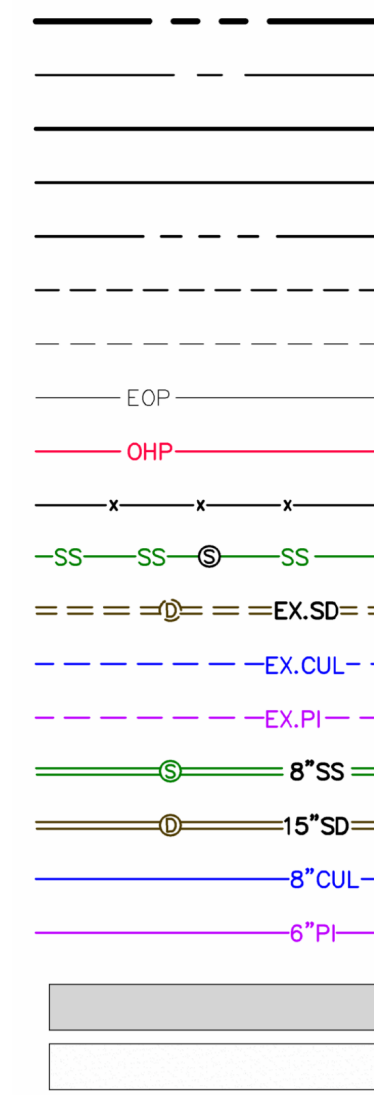
ATLAS ENGINEERING
CIVIL · STRUCTURAL · SURVEY

PHONE 801-855-0505
SHANE BOAL, SUITE A
SPANISH FORK, UT 84660

Journal of Universal Welding Analysis Engineering Communications
Document 13-00050A-10678-1-1-CNTL-025820-000 Green River HS
Tennis Court-CADSWG FILE:03-040380 PLAN 040 27 Mar 2012 2:00



EXISTING POWER POLE
PROPOSED STREET LIGHT
EXISTING FIRE HYDRANT
EXISTING WATER VALVE
EXISTING STREET LIGHT
EXISTING SIGN
PROPOSED FIRE HYDRANT
PROPOSED WATER VALVE
PROPERTY BOUNDARY
CENTERLINE
RIGHT-OF-WAY LINE
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EXISTING WATER
EXISTING PRESSURIZED IRRIGATION
PROPOSED SEWER
PROPOSED STORM DRAIN
PROPOSED CULINARY WATER
PROPOSED PRESSURIZED IRRIGATION (PURPLE PVC)
PROPOSED ASPHALT
PROPOSED CONCRETE/CURB & GUTTER

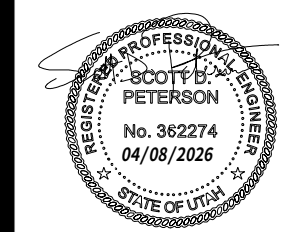


GREEN
745 W. PIRATE AVE.

GRADING PLAN

3

REVISIONS

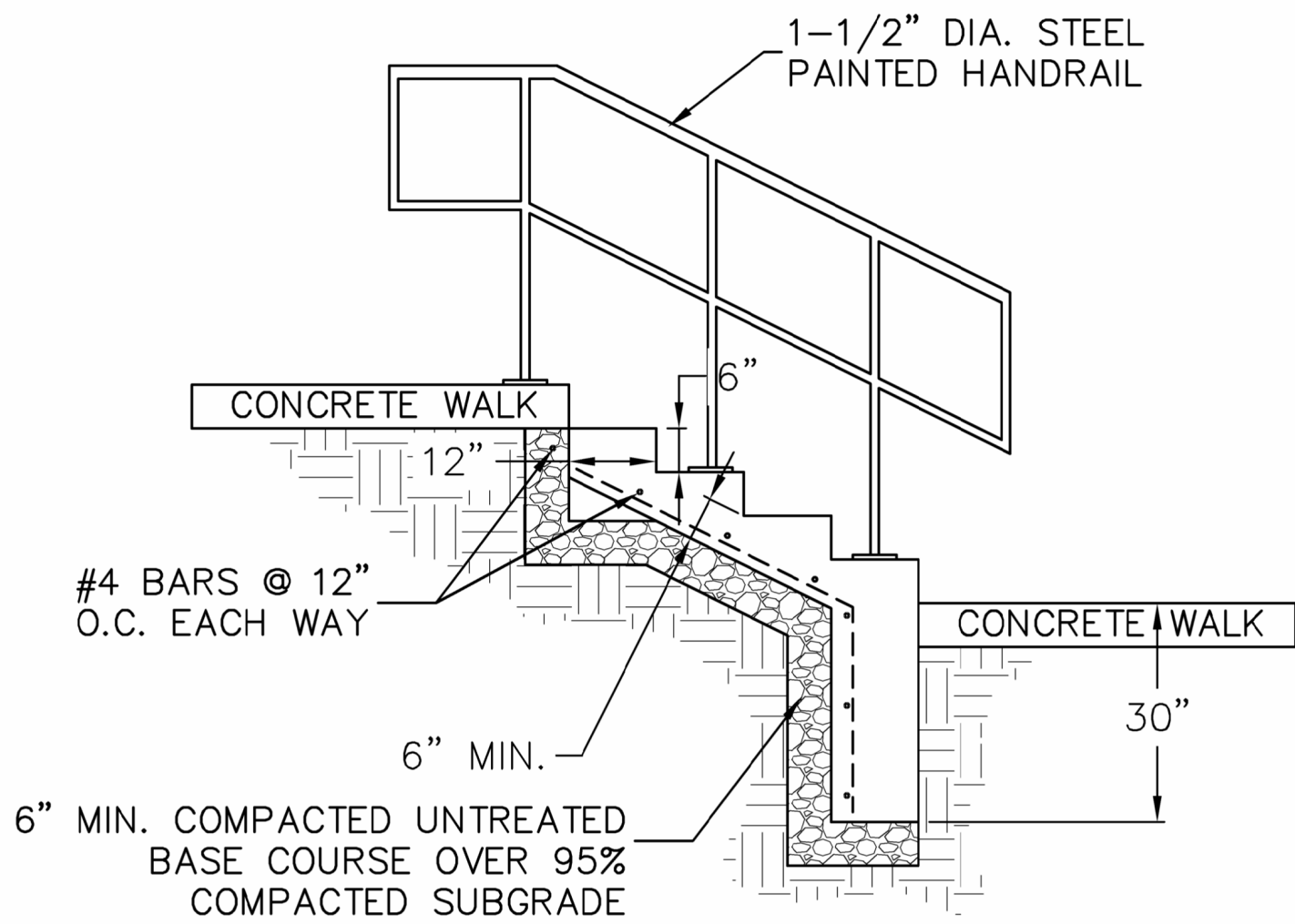


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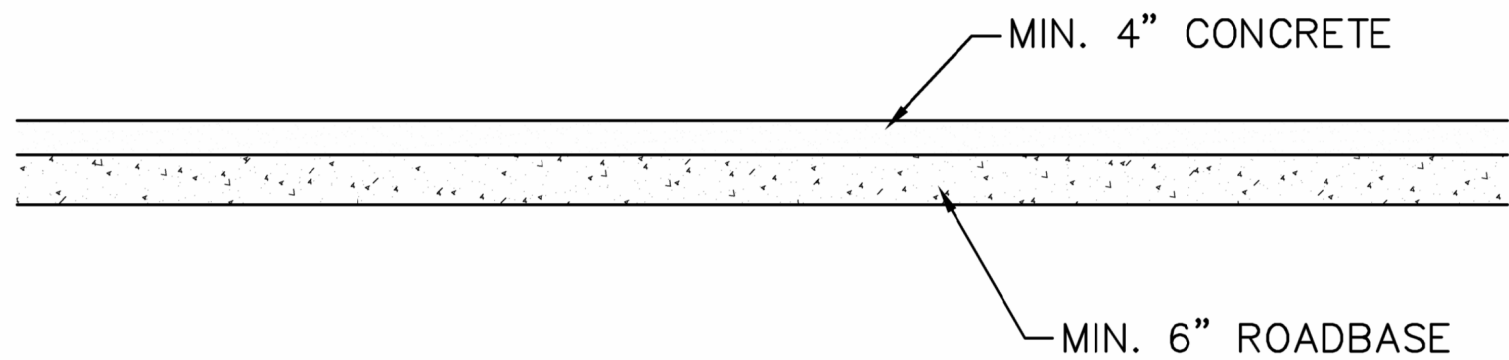
PHONE: 801-655-0566
946 E. 800 N. SUITE A
SPANISH FORK, UT 84660

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STAIRWAY SECTION DETAIL

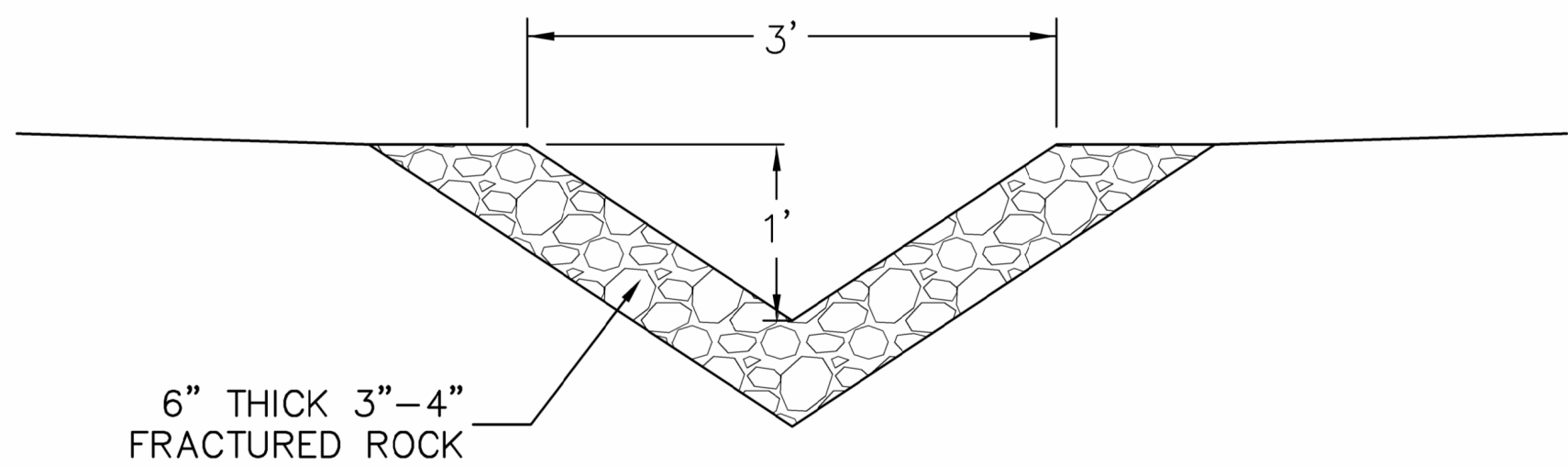
-NTS-



SIDEWALK CROSS SECTION

-NTS-

*A SITE-SPECIFIC GEOTECHNICAL REPORT HAS NOT BEEN CONDUCTED.



ROCK-LINED SWALE DETAIL

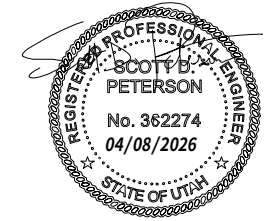
-NTS-

DRAWN BY:
CHECKED BY:
DATE: MAR. 2026
PROJECT #: 176625

DETAIL SHEET

DT1

EMERY COUNTY SCHOOL DISTRICT
GREEN RIVER HIGH SCHOOL TENNIS
745 W. PIRATE AVE.
GREEN RIVER, UTAH

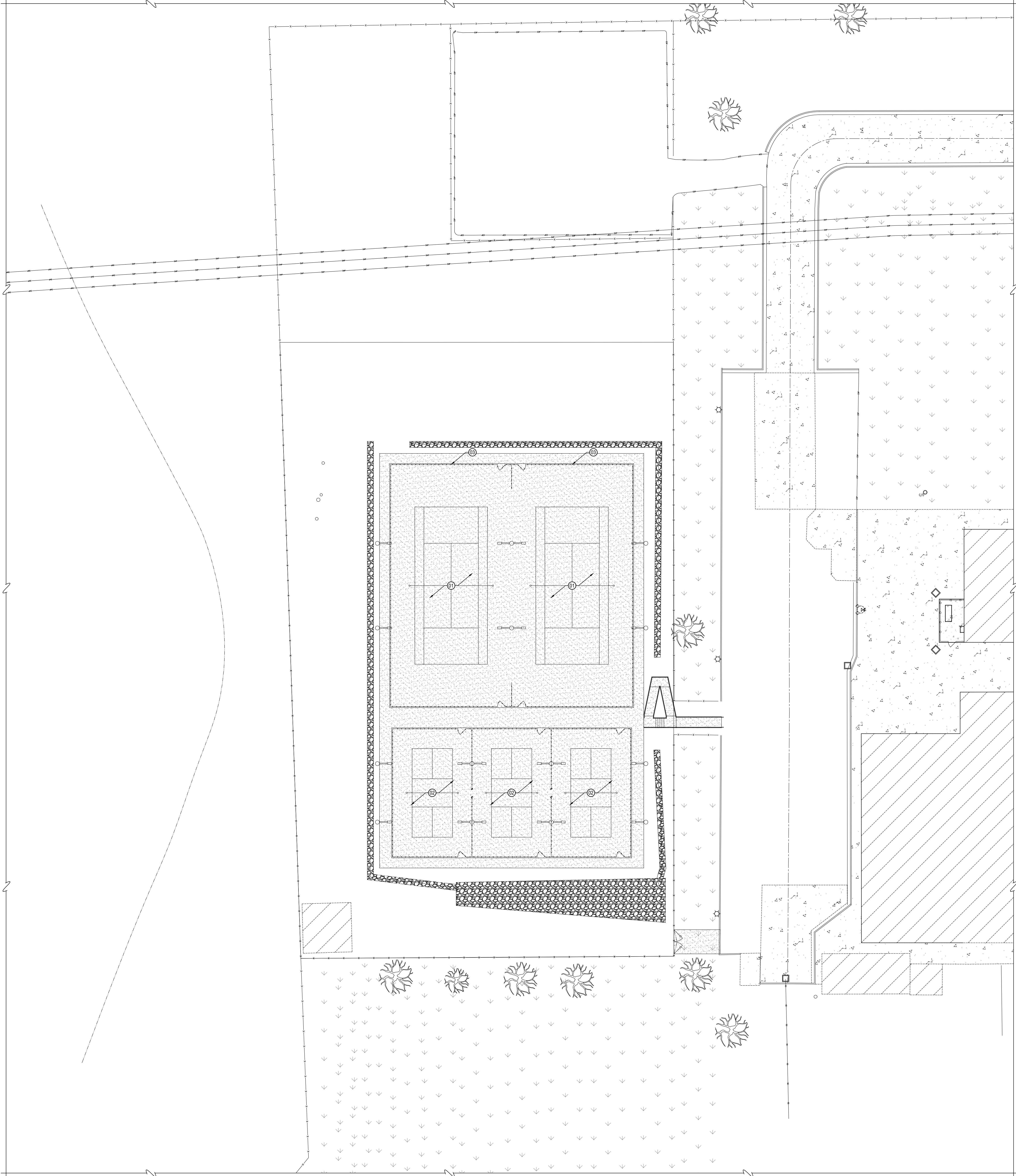


REVISIONS:



ATLAS ENGINEERING
CIVIL · STRUCTURAL · SURVEY
170 NORTH MAIN STREET
SPANISH FORK, UTAH 84660
WWW.KMAARCHITECTS.COM
PHONE: 801-855-0368
FAX: 801-855-0368
UTAH LICENSE NO. 962274

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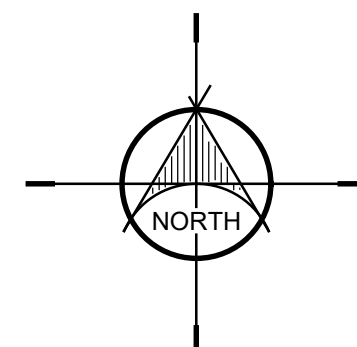


SHEET NOTES:

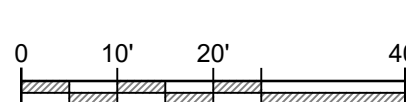
- 01 - (2) TENNIS COURTS, COMPLETE WITH ACCESSORIES. SEE SHEET 1/AS2.
02 - (3) PICKLEBALL COURTS, COMPLETE WITH ACCESSORIES. SEE SHEET 1/AS2.
03 - (2) BASKETBALL STANDARDS, SEE DETAILS 1 & 15/AS2.

GENERAL NOTES:

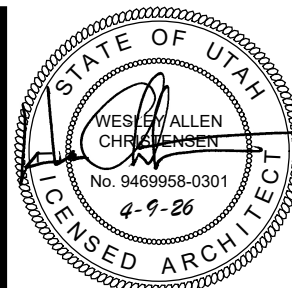
A - SEE SPECIFICATIONS OF ADDITIONAL EQUIPMENT TO BE PROVIDED.



ATHLETIC ELEMENTS



1" = 20'-0"



REVISIONS:

EMERY COUNTY SCHOOL DISTRICT
GREEN RIVER HIGH SCHOOL TENNIS
745 W. PIRATE AVE.
GREEN RIVER, UTAH

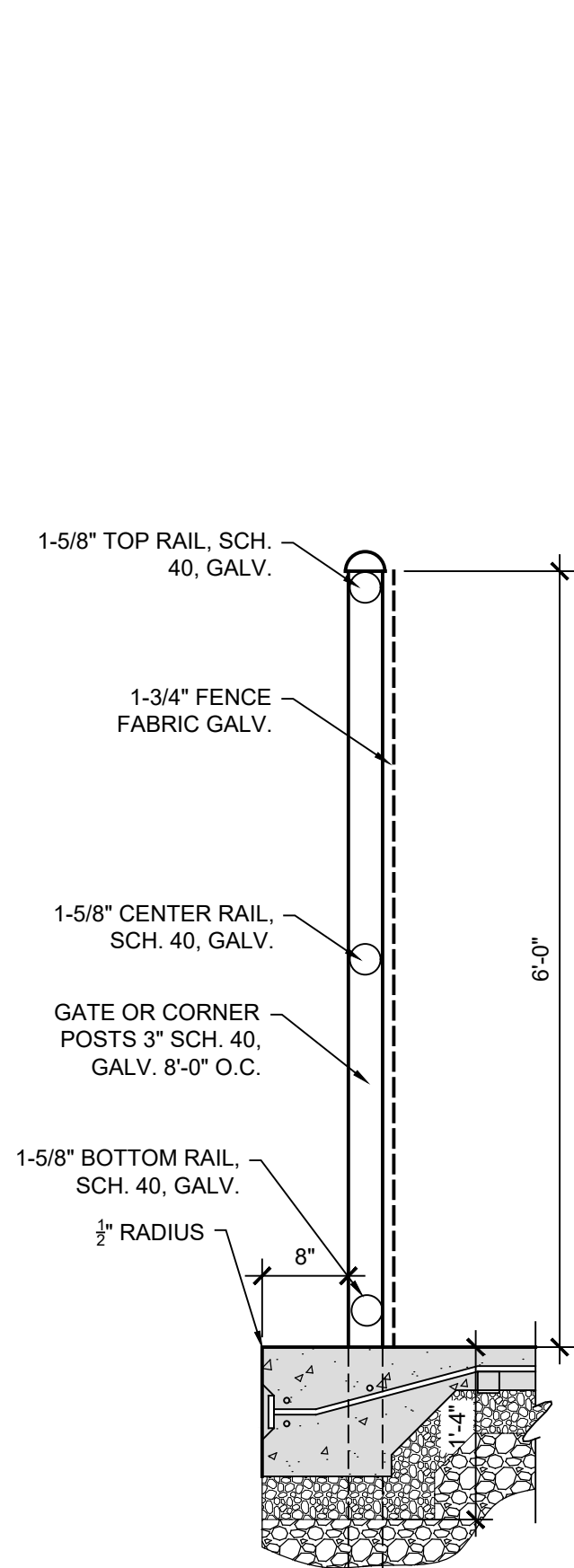
DRAWN BY: RJW
CHECKED BY: WC
DATE: MAR. 2025
PROJECT #: 176625
ATHLETIC LAYOUT

AS1

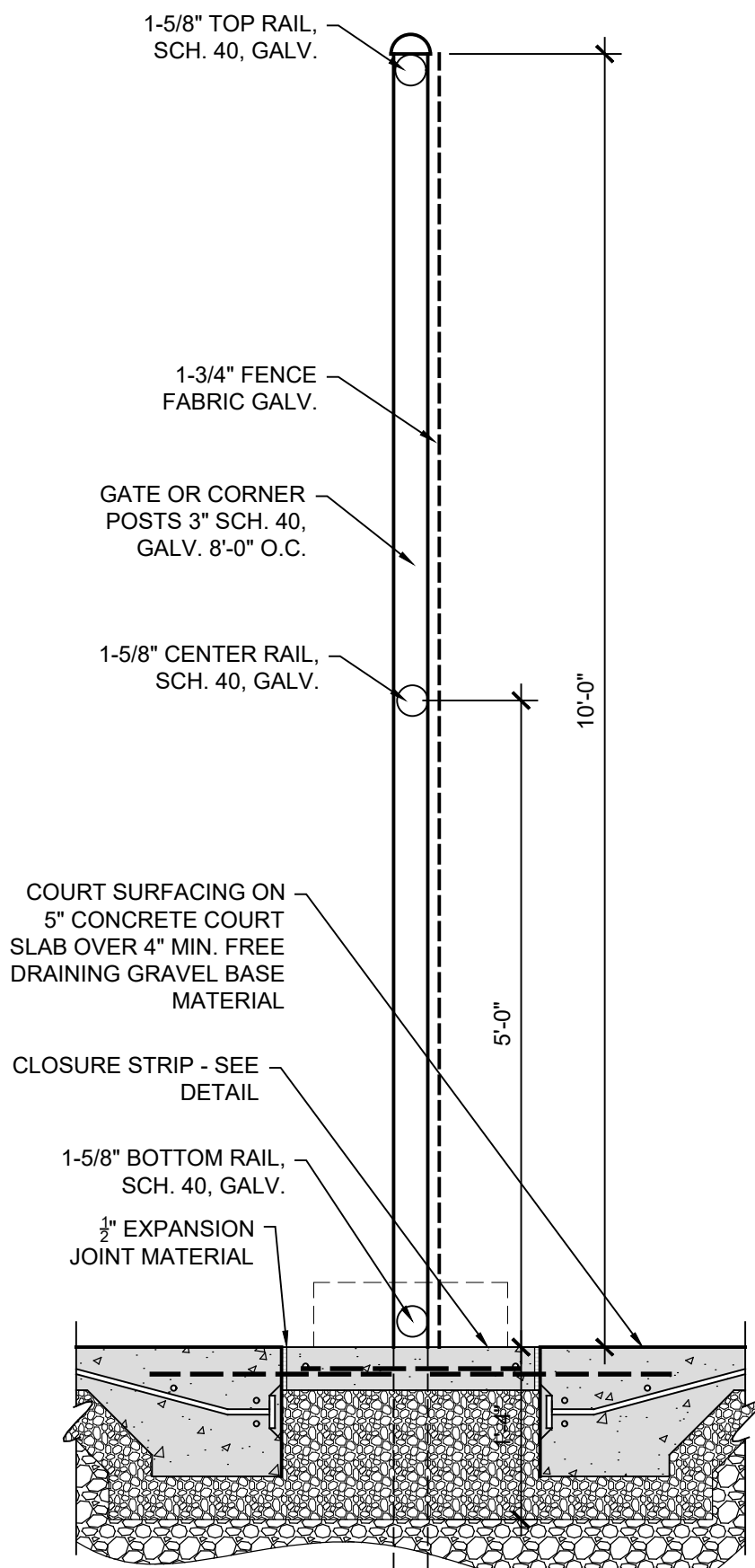


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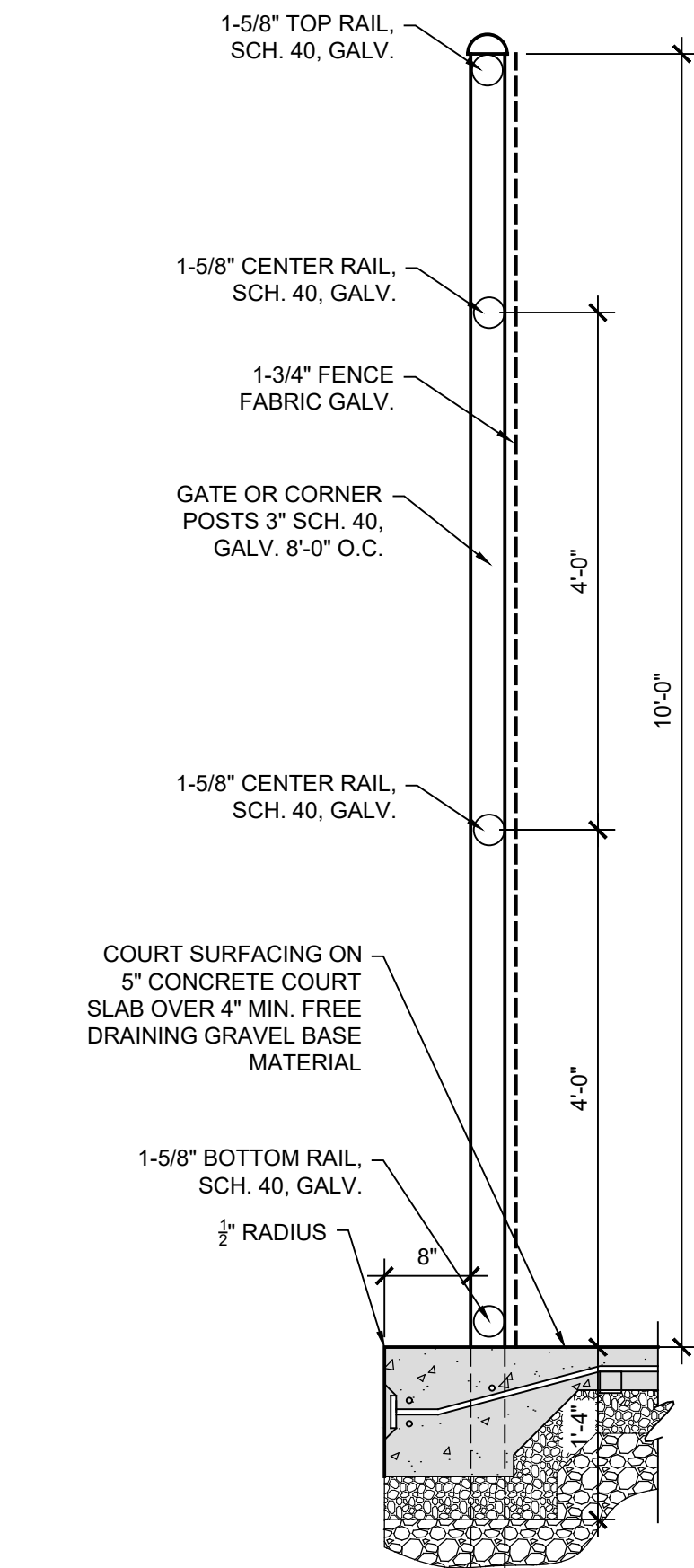
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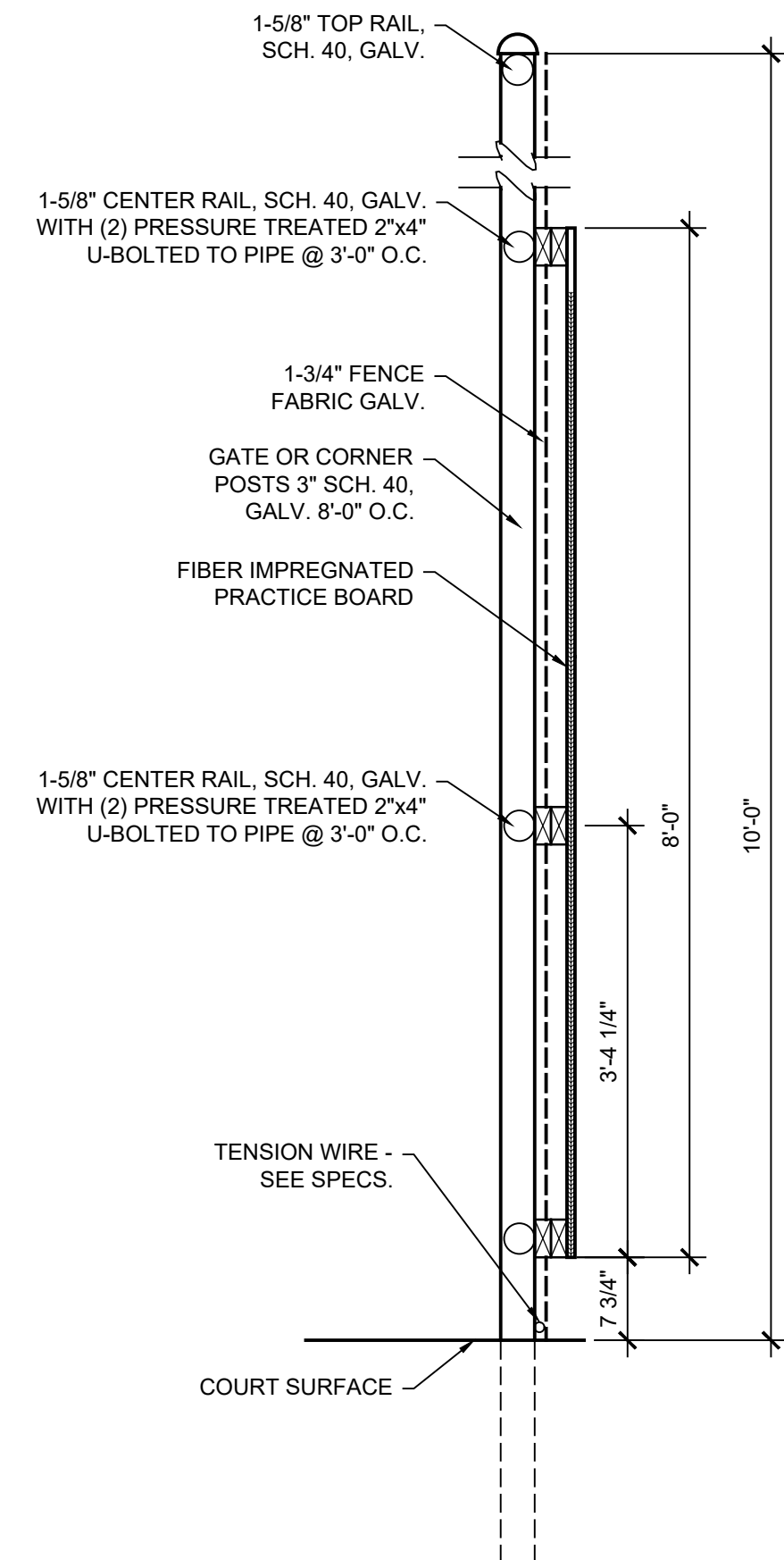
7 PICKLEBALL PERIMETER FENCE
3/4" = 1'-0"



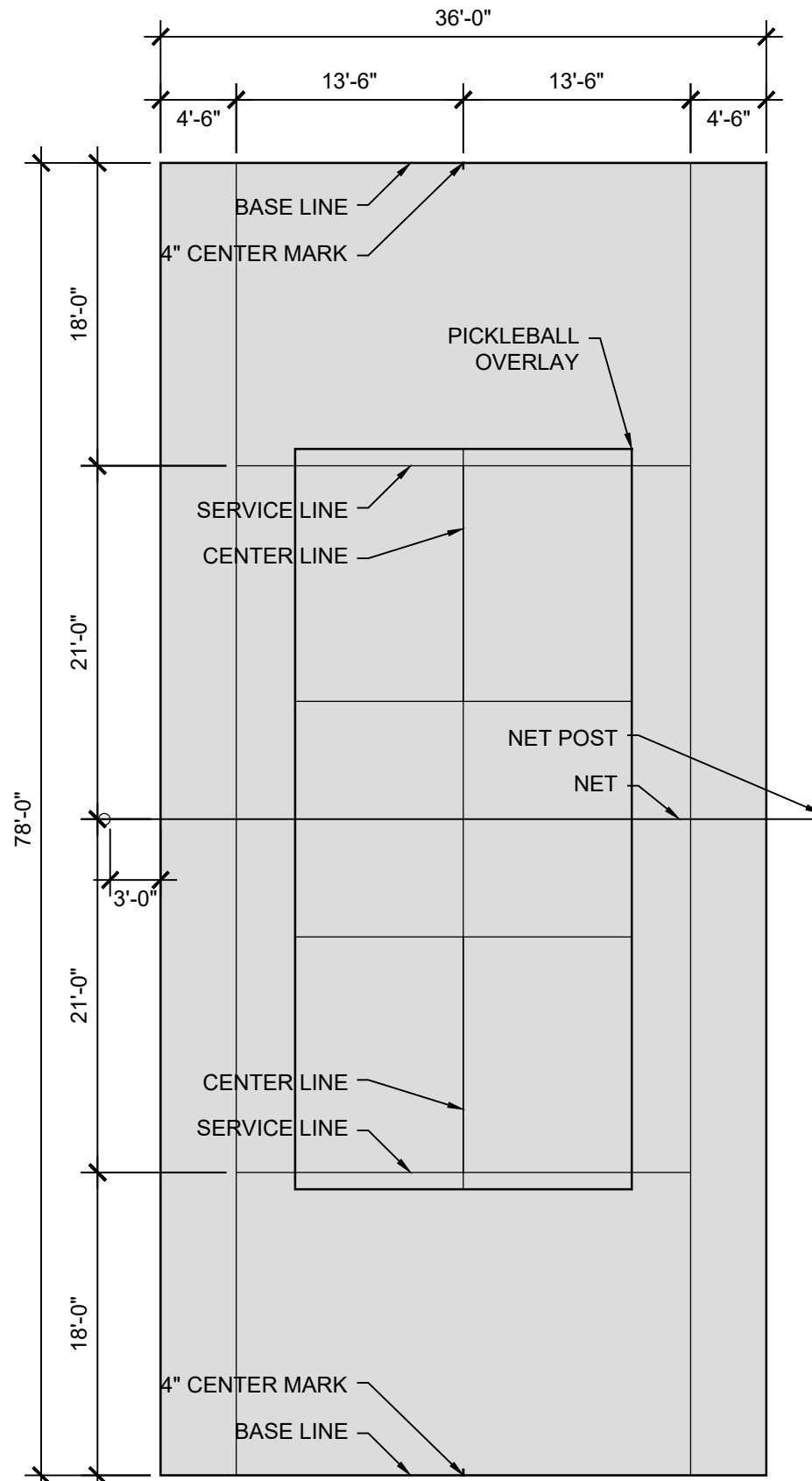
6 TENNIS INTERIOR FENCE
3/4" = 1'-0"



5 TENNIS PERIMETER FENCE
3/4" = 1'-0"

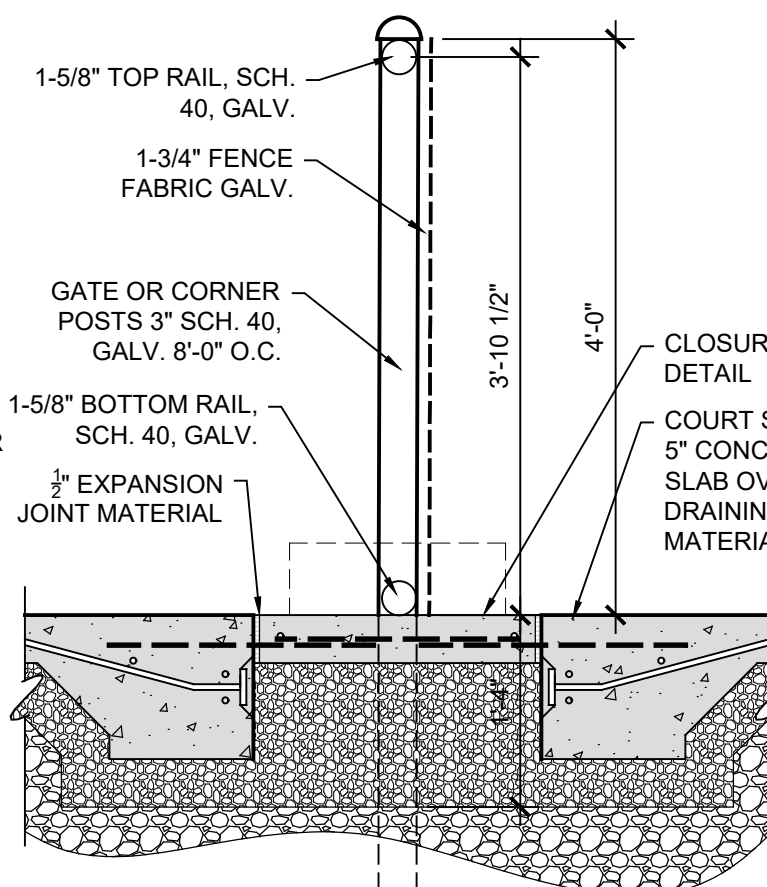


4 TENNIS PRACTICE BOARD
3/4" = 1'-0"

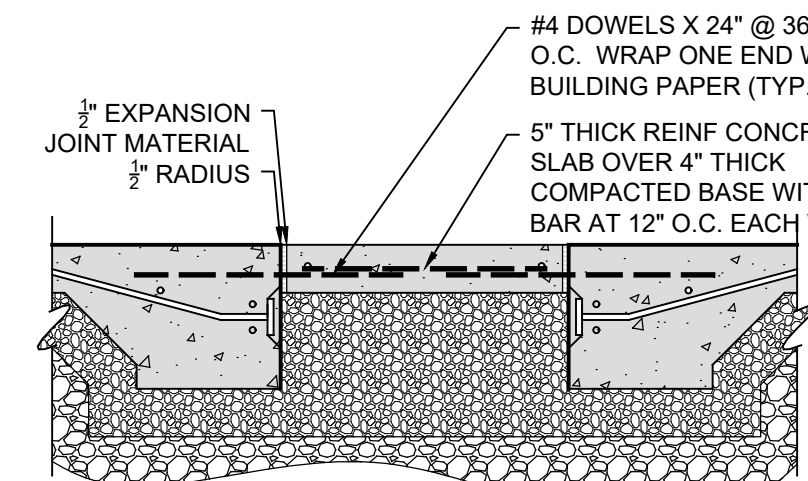


NOTES:
A - BASE LINE IS 4" WIDE. ALL OTHERS ARE 2" WIDE.
B - DIMENSIONS GIVEN TO OUTSIDE OF LINES EXCEPT CENTER LINE
C - LINES TO BE INSTALLED OVER COURT SURFACING PER MFG. RECOMMENDATIONS

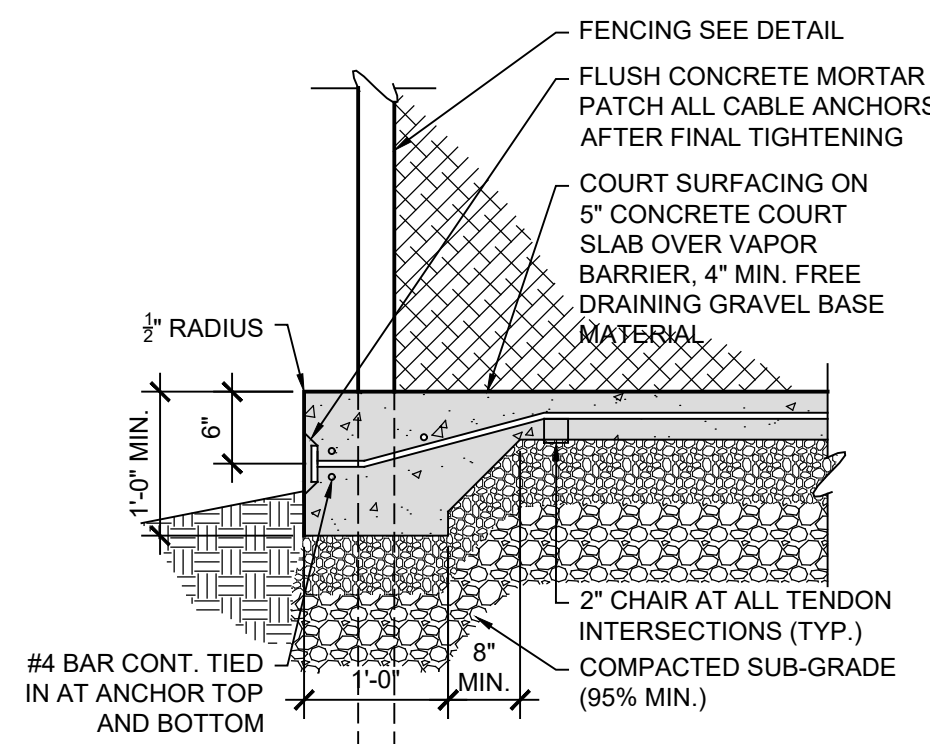
3 TENNIS / PICKLEBALL LAYOUT
1" = 10'-0"



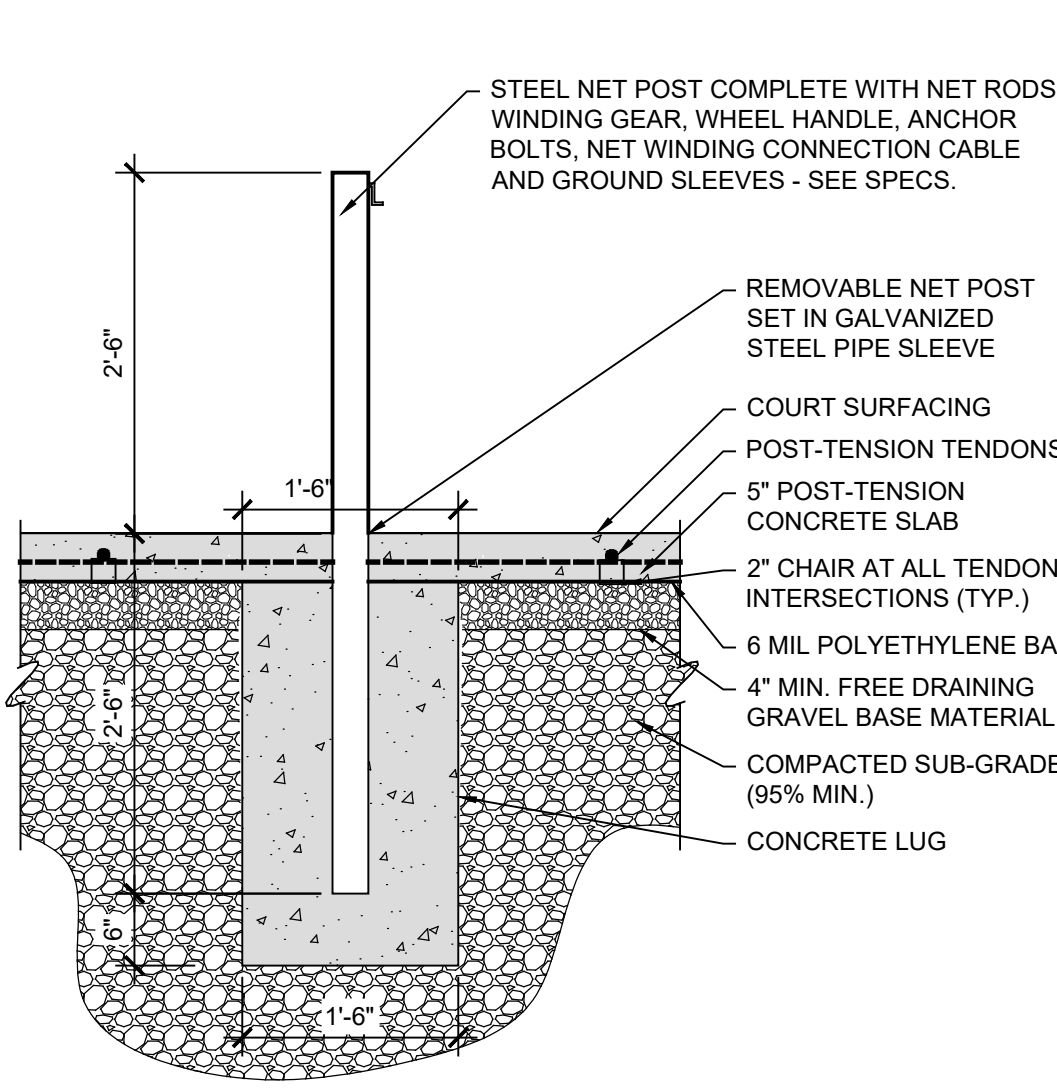
8 PICKLEBALL INTERIOR FENCE
3/4" = 1'-0"



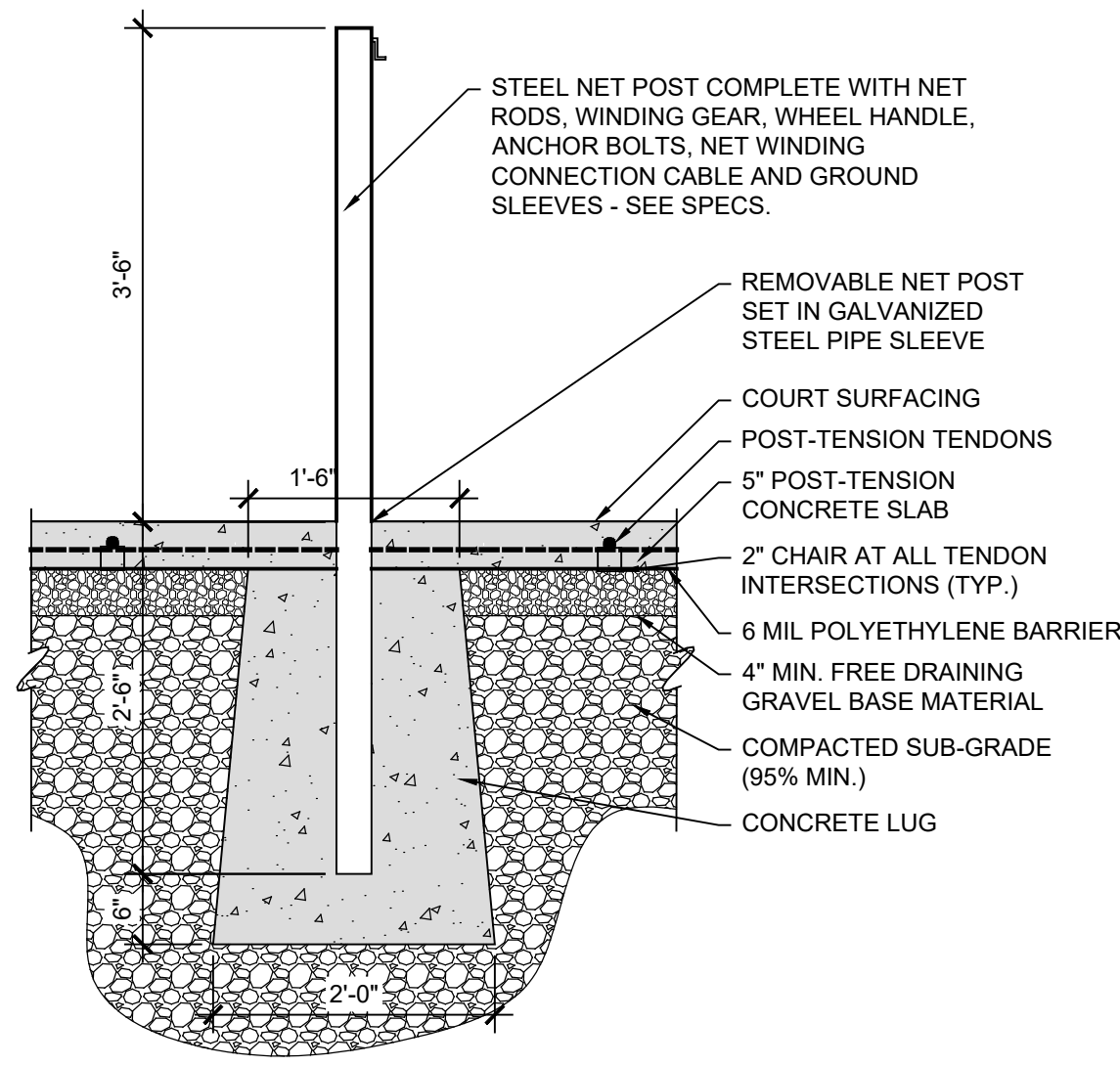
12 CLOSURE STRIP
3/4" = 1'-0"



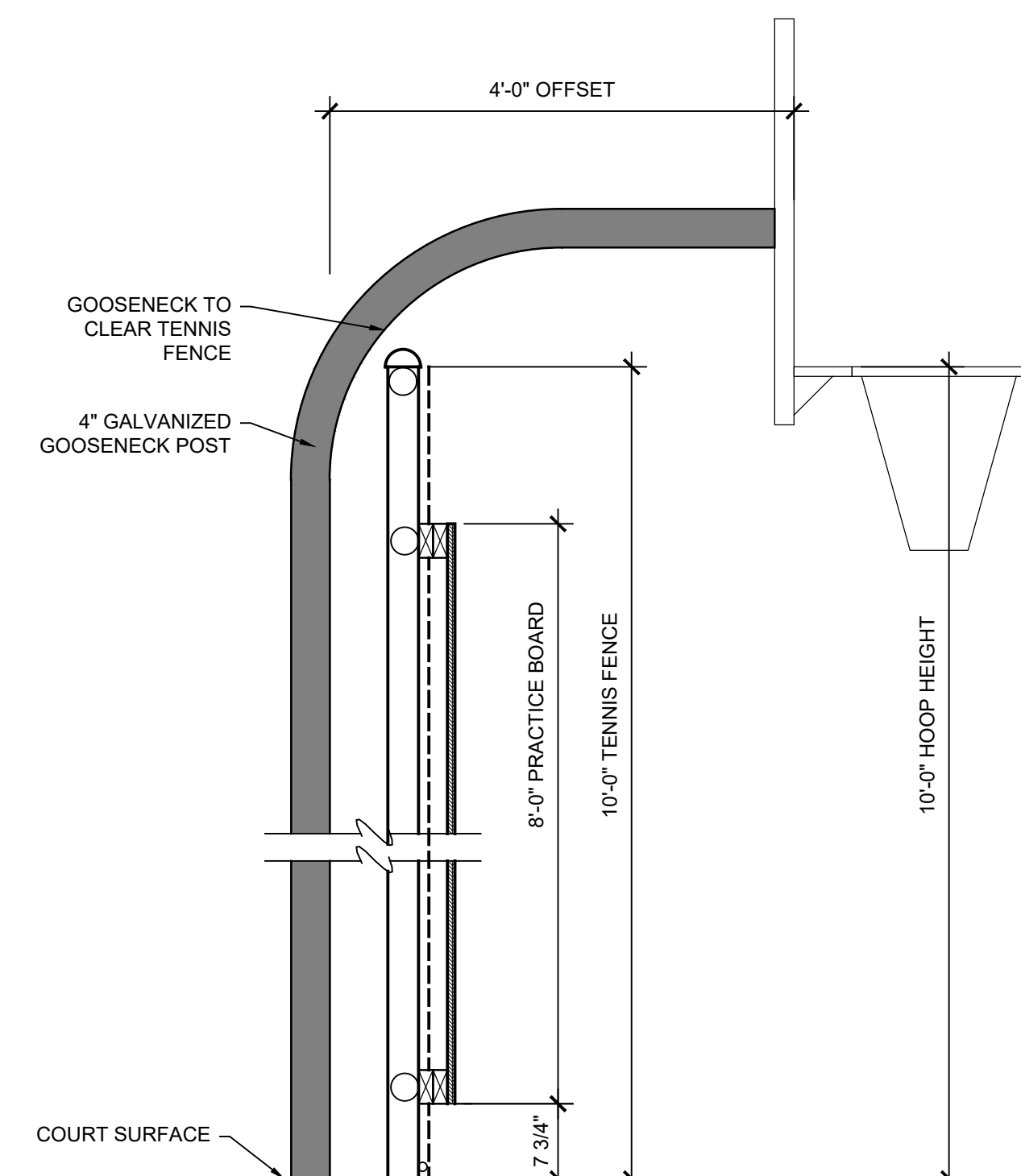
11 TYPICAL SLAB EXTERIOR
3/4" = 1'-0"



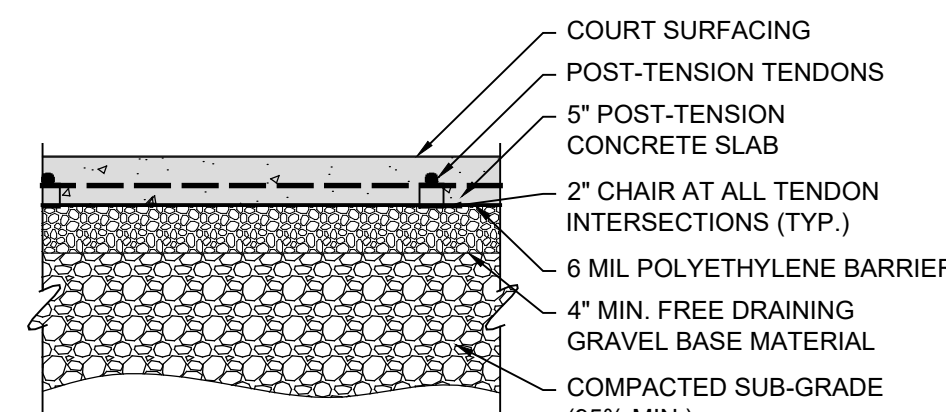
10 PICKLEBALL NET POST
3/4" = 1'-0"



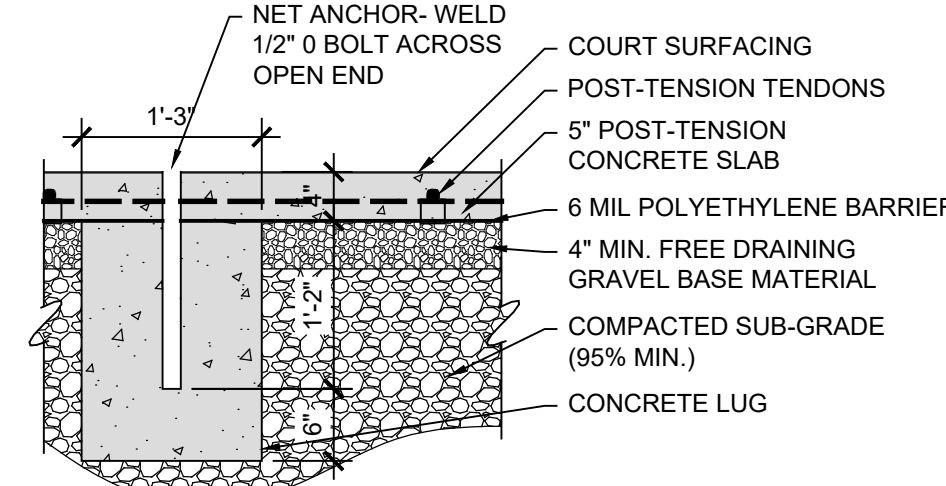
9 TENNIS NET POST
3/4" = 1'-0"



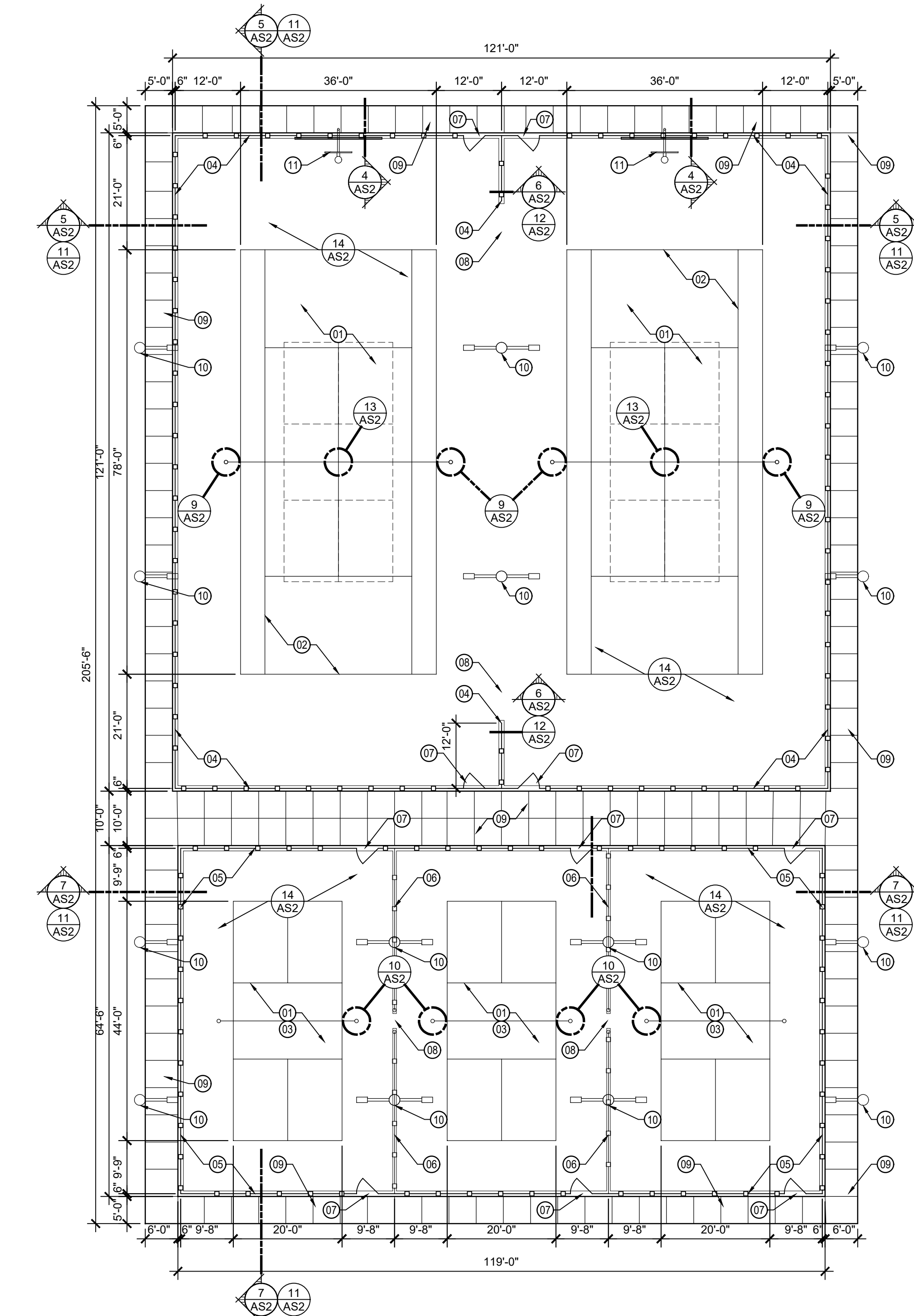
15 BASKETBALL HOOP DETAIL
3/4" = 1'-0"



14 TYPICAL COURT SLAB
3/4" = 1'-0"



13 TENNIS NET ANCHOR
3/4" = 1'-0"



1 COURT & FENCING LAYOUT
1/16" = 1'-0"

SHEET NOTES:

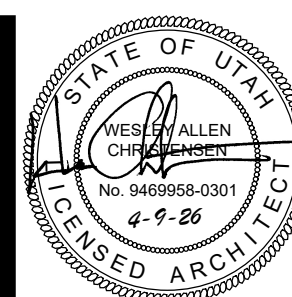
- 01 - POST TENSION COURT. SEE DETAILS 4-14/AS2.
- 02 - TENNIS COURT LAYOUT SEE DETAIL 3/AS2.
- 03 - PICKLEBALL COURT LAYOUT SEE DETAIL 2/AS2.
- 04 - 10'-0" TALL FENCING.
- 05 - 6'-0" TALL FENCING.
- 06 - 4'-0" TALL FENCING.
- 07 - 3'-0" WIDE GATE WITH BULLDOG STYLE HINGES.
- 08 - NO FENCING, OPEN AREA.
- 09 - CONCRETE FLATWORK. COORDINATE WITH CIVIL ENGINEERING SHEETS. RETAINING WALLS AND STAIR SETS MAY BE REQUIRED.
- 10 - LIGHTING. SEE ELECTRICAL SHEETS FOR EXACT LOCATION AND REQUIREMENTS.
- 11 - BASKETBALL STANDARD. SEE DETAIL 15/AS2 AND SPECIFICATIONS.

GENERAL NOTES:

- A - SEE SPECIFICATIONS OF ADDITIONAL EQUIPMENT TO BE PROVIDED.

COURT SUB-CONTRACTOR NOTE

COURT SUB-CONTRACTOR TO SUPPLY AND INSTALL:
6 MIL. BELOW SLAB VAPOR BARRIER
5" POST TENSION SLAB
COURT SURFACING
COURT FENCING AND GATES AND THEIR CONCRETE LUGS
COURT EQUIPMENT AND THEIR CONCRETE LUGS



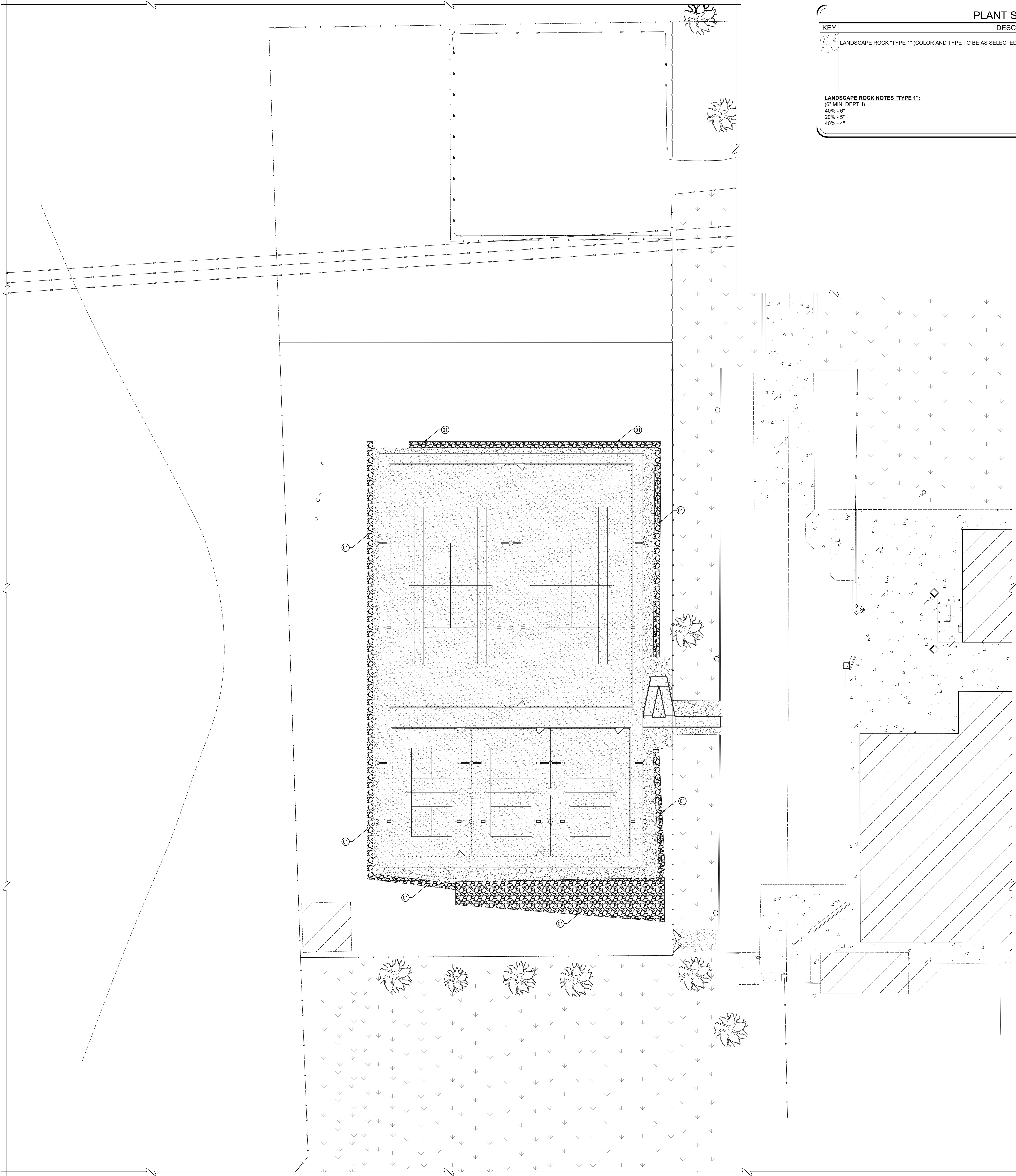
REVISIONS:

EMERY COUNTY SCHOOL DISTRICT
GREEN RIVER HIGH SCHOOL TENNIS
GREEN RIVER, UTAH

745 W. PIRATE AVE.
AS2

DRAWN BY: RJW
CHECKED BY: WC
DATE: MAR. 2025
PROJECT #: 176825
ATHLETIC DETAILS

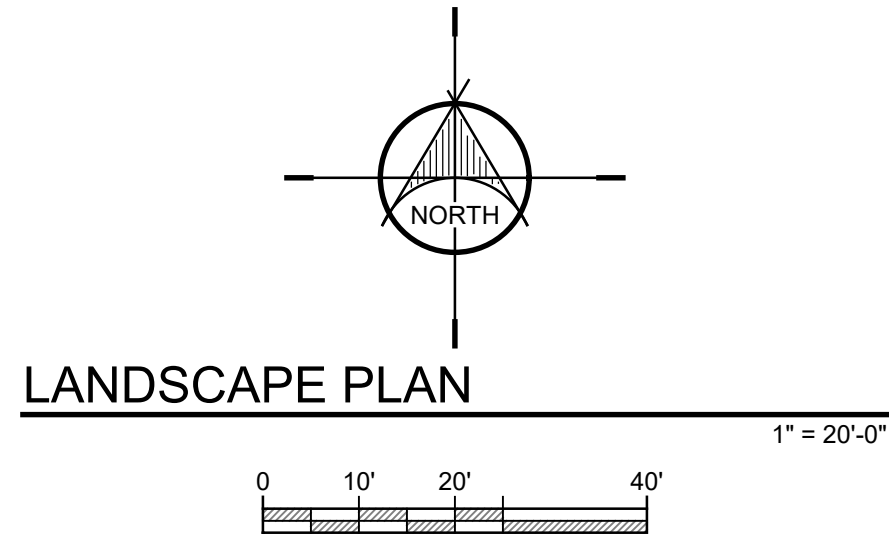
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PLANT SCHEDULE	
KEY	DESCRIPTION
	LANDSCAPE ROCK "TYPE 1" (COLOR AND TYPE TO BE AS SELECTED BY OWNER) OVER 2 LAYERS OF COMMERCIAL WEED BARRIER
LANDSCAPE ROCK NOTES "TYPE 1": (6" MIN. DEPTH) 40% - 5" 20% - 5" 40% - 4"	

SHEET NOTES:
01 - ROCK AT DRAINAGE SWALE AND RETENTION AREA TO BE AS PER CIVIL DRAWINGS.

GENERAL NOTES:
A - INSTALL 2 LAYERS OF COMMERCIAL GRADE WEED MATTING AT ALL ROCKSCAPE AREAS.

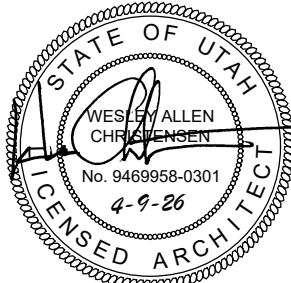


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GREEN RIVER HIGH SCHOOL TENNIS
745 W. PIRATE AVE.
GREEN RIVER, UTAH

DRAWN BY: RJW
CHECKED BY: WC
DATE: MAR. 2026
PROJECT #: 176625

LANDSCAPE

L1

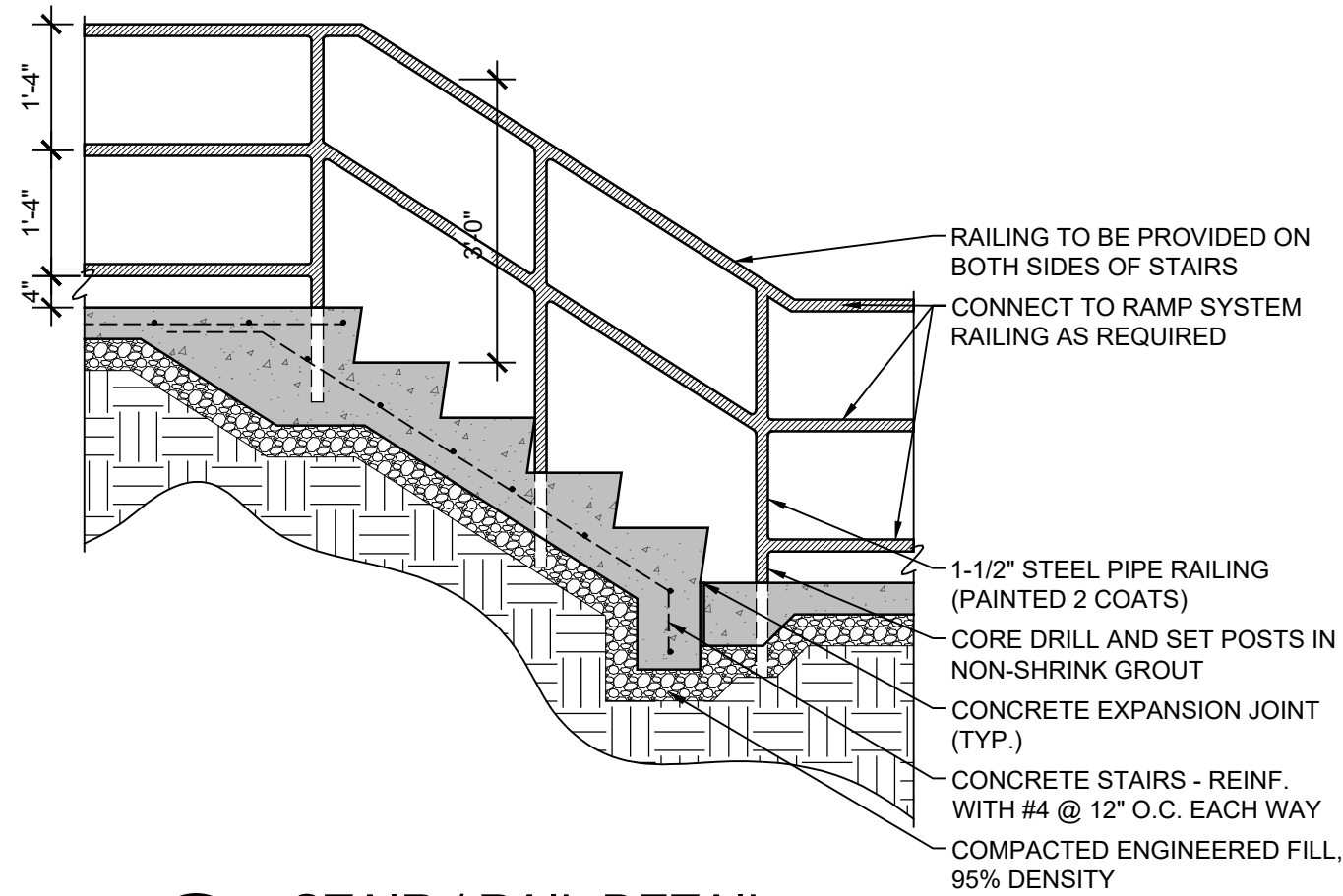


REVISIONS:

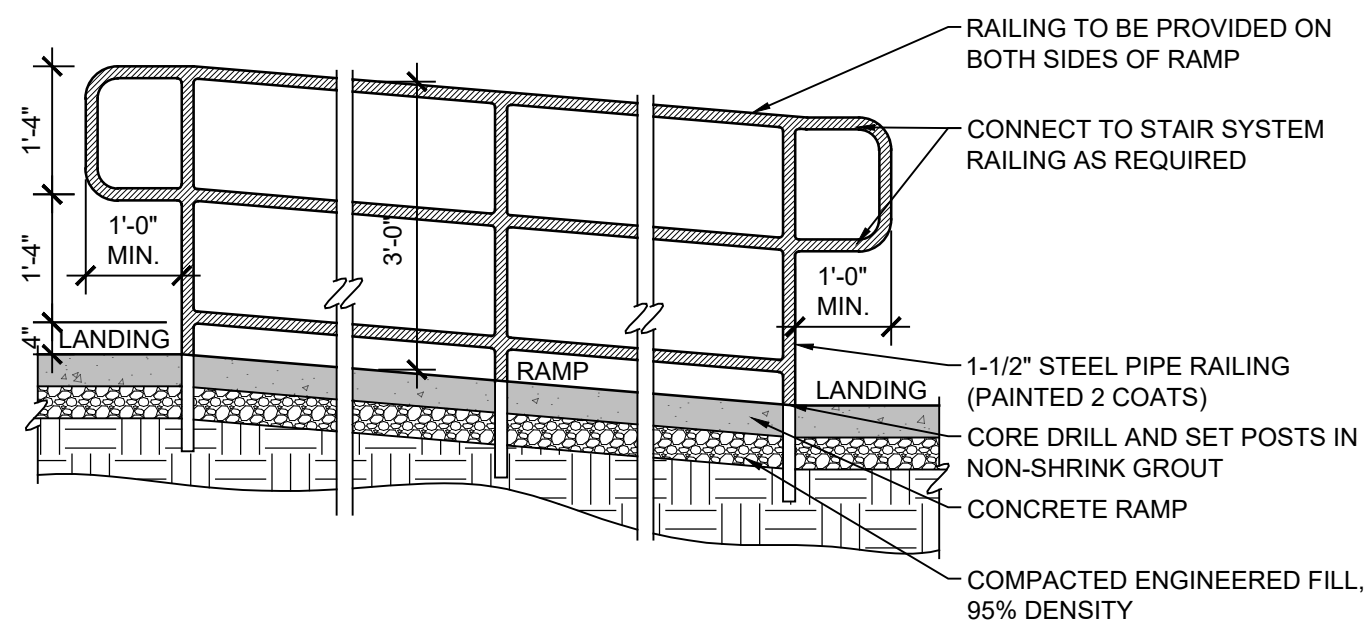


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SPANISH FORK, UTAH 84660
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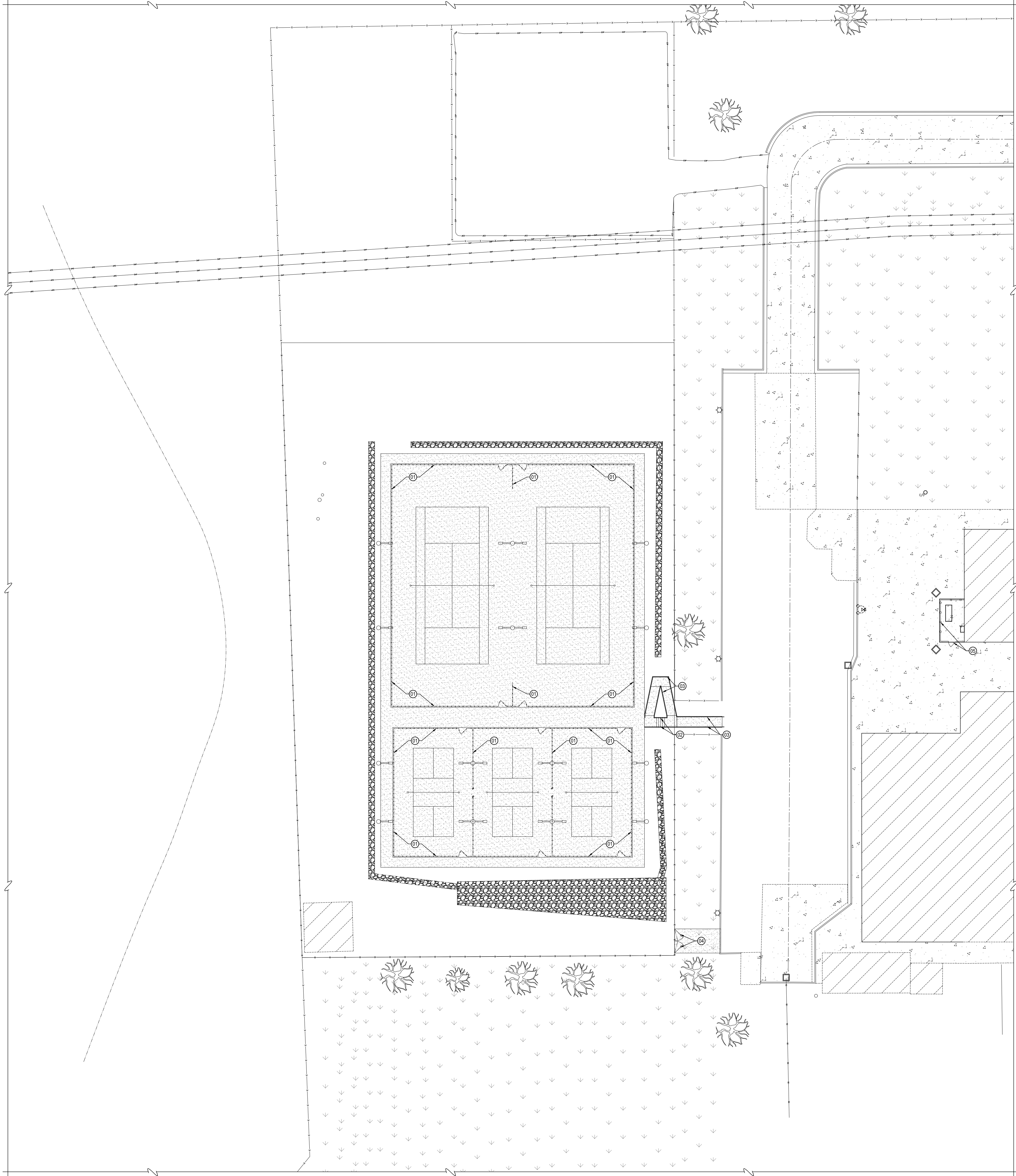
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1 STAIR / RAIL DETAIL
1/2" = 1'-0"



2 RAMP / RAIL DETAIL
1/2" = 1'-0"

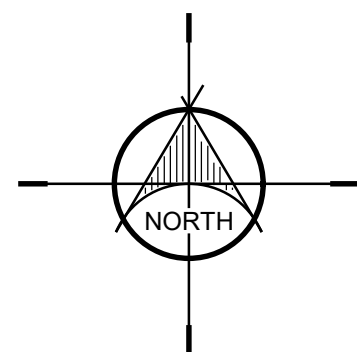


SHEET NOTES:

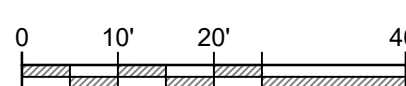
- 01 - COURT FENCING - SEE SHEET AS2 FOR FULL EXTENT.
- 02 - CONCRETE STAIRS AND HAND RAILS (BOTH SIDES). CORE DRILL AND SET IN NON-SHRINK GROUT. SEE DETAIL 1/L2. COORDINATE WITH CIVIL SHEETS.
- 03 - CONCRETE RAMPS AND HAND RAILS (BOTH SIDES). CORE DRILL AND SET IN NON-SHRINK GROUT. SEE DETAIL 2/L2. COORDINATE WITH CIVIL SHEETS.
- 04 - (2) 6'-0" WIDE GATES, PROVIDE BULL-DOG STYLE HINGES. MODIFY EXISTING FENCE AS REQUIRED FOR INSTALLATION.
- 05 - 6'-0" HIGH CHAIN-LINK FENCE GENERATOR ENCLOSURE WITH 4'-0" GATE (LOCATE AS REQUIRED FOR ACCESS). COORDINATE EXACT SIZE AND LOCATION WITH GENERATOR SUPPLIER. CORE DRILL POSTS AS REQUIRED.

GENERAL NOTES:

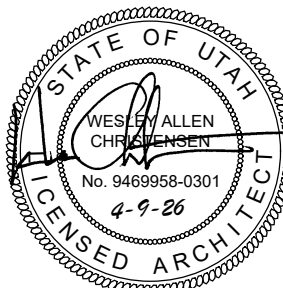
A -



FENCING PLAN



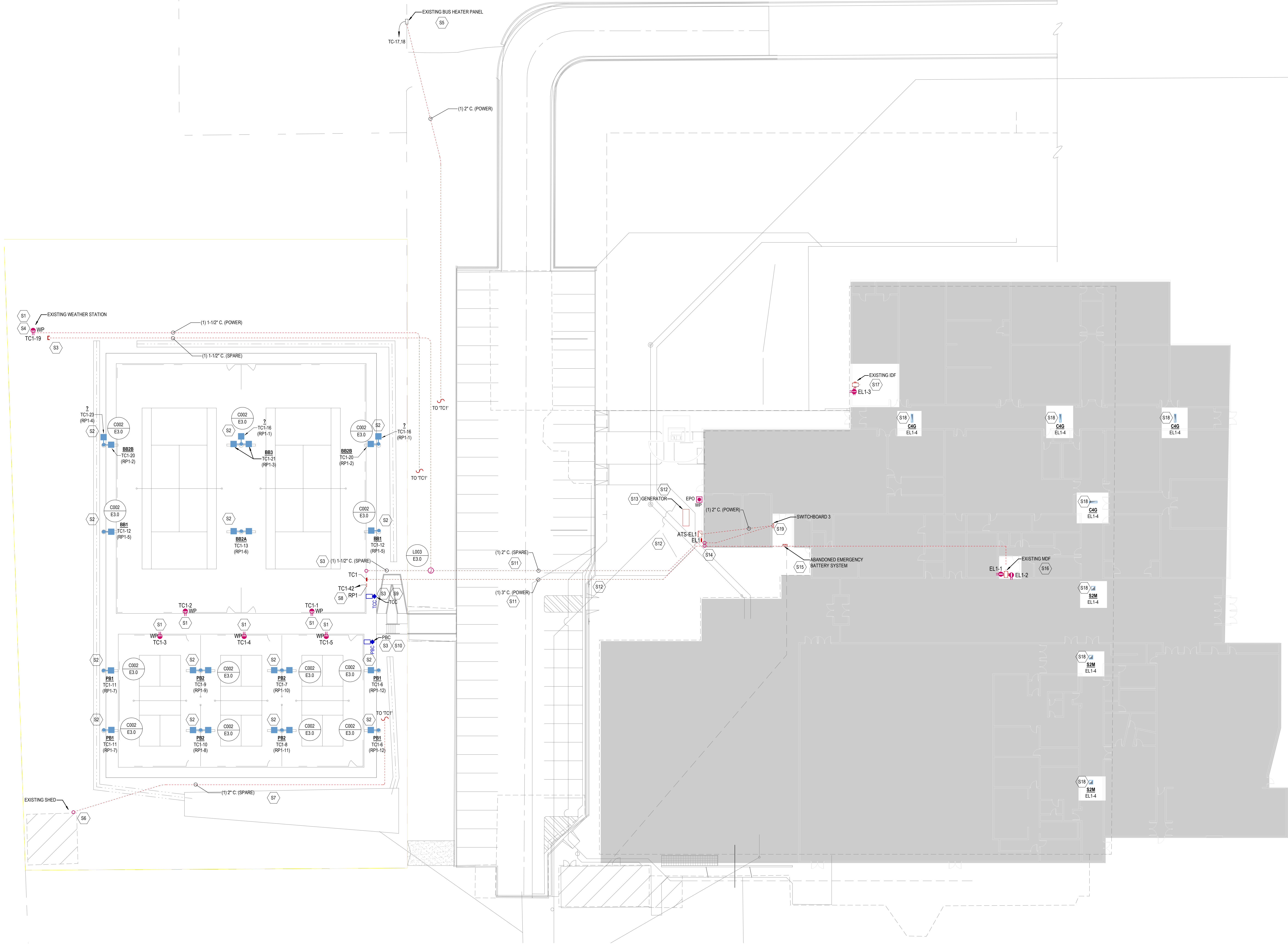
1" = 20'-0"



REVISIONS:



E0.1



GENERAL SITE PLAN NOTES

- DIVISION 26 SHALL VISIT THE SITE PRIOR TO BIDDING. BIDS SHALL SERVE AS EVIDENCE OF KNOWLEDGE OF EXISTING CONDITIONS. BIDDERS SHALL EXAMINE THE SITE AND THE COMPLETE SET OF PLANS AND SPECIFICATIONS COVERING THE ENTIRE PROJECT. THEY SHALL BECOME FULLY CONVERSANT WITH THE TYPE OF GENERAL CONSTRUCTIONS AS WELL AS ALL PERTINENT FACTS AFFECTING THE COST OF CARRYING OUT THE WORK. THEY WILL CONTRACT TO PERFORM. DIVISION 26 SHALL COORDINATE PROJECT PHASING WITH GENERAL CONTRACTOR AND BID AND PERFORM RESPONSIBILITIES FOR THIS PROJECT TO CONTRACT EXPECTATIONS.
- MAINTAIN PROTECT EXISTING UTILITY SERVICES AND ELECTRIFIED EQUIPMENT FOR EXISTING FACILITIES. COORDINATE REQUIRED DISRUPTION OF THESE SERVICES WITH OWNER PRIOR TO DISCONNECTING. PROVIDE TEMPORARY UTILITY SERVICES TO KEEP FACILITIES IN OPERATION DURING UTILITY RELOCATION INCLUDING BUT NOT LIMITED TO FIRE WATCHES, ELECTRICAL GENERATORS, ETC.
- ANY ELECTRICAL ROUGH-IN, EQUIPMENT AND CONDUIT PATHWAYS ARE DIAGRAMMATICALLY SHOWN ON THE DRAWINGS. FINAL ROUTING OF THE CONDUITS, CIRCUITING, AND CABLING SHALL BE DETERMINED BY THE CONTRACTOR.
- DIVISION 26 SHALL BLUE STAKE THE AREA OF NEW CONSTRUCTION PRIOR TO EXCAVATION FOR FOOTINGS, ETC. IDENTIFY BURIED ELECTRICAL SYSTEMS/UTILITIES, POWER, COMMUNICATIONS, ETC.) AND COORDINATE LOCATIONS WITH THE GENERAL CONTRACTOR. IF EXISTING ELECTRICAL SYSTEMS ARE DISTURBED (POWER/AUXILIARY, ETC.) E.G. SHALL MAKE NECESSARY REPAIRS (AS APPROVED BY DISTRICT REPRESENTATIVE) AS PART OF THIS CONTRACT.
- CONTRACTOR TO CLOSELY COORDINATE ALL NEW AND EXISTING DEVICE LOCATIONS WITH CIVIL DRAWINGS. CONTRACTOR TO VERIFY ALL FINAL GRADE REQUIREMENTS WITH CIVIL DRAWINGS.
- CLOSELY COORDINATE ANY REQUIRED POWER SHUTDOWNS WITH GENERAL, HEAD CUSTODIAN, AND OWNER.
- CONTRACTOR TO PROVIDE ADDITIONAL PULL BOXES AS REQUIRED PER NEC AND NECESSARY TO PROVIDE SUCCESSFUL CABLE PULLS.
- TRENCHING AND BACKFILL: LOCATE AND PROTECT EXISTING UTILITIES AND OTHER UNDERGROUND WORK IN A MANNER WHICH WILL ENSURE THAT NO DAMAGE OR SERVICE INTERRUPTIONS WILL RESULT FROM EXCAVATING AND BACKFILLING. PERFORM EXCAVATION IN A MANNER WHICH PROTECTS WALLS, FOOTINGS, AND OTHER STRUCTURAL MEMBERS FROM BEING DISTURBED OR DAMAGED IN ANY WAY. BURIAL DEPTHS MUST COMPLY WITH NEC SECTION 300-5 (OR STATE OF UTAH REQUIREMENTS, WHICHEVER IS MORE STRINGENT), UNLESS NOTED OTHERWISE. PATCH AND REPAIR ROADS, PARKING AREAS, SIDEWALKS, CURBS, OTHER PAVED AREAS, PLANTING AND ANY OTHER DISTURBED AREAS CAUSED BY THE ELECTRICAL CONTRACTOR DURING CONSTRUCTION.
- BORING, TRENCHING, ASPHALT CUTTING AND PATCH WORK BY DIVISION 26. ANY CONCRETE THAT NEEDS TO BE REMOVED TO COMPLETE WORK WILL BE THE RESPONSIBILITY OF DIVISION 26. SCHEDULING OF THE TRENCHING SHALL BE COORDINATED WITH OTHER TRADES AND APPROVED BY THE OWNER.
- CABLE RUNS SHALL BE MARKED WITH RED PLASTIC MARKING TAPE INSTALLED IN THE TRENCH ONE FOOT BELOW SURFACE.
- BACKFILL SHALL BE FREE OF ROCKS AND OTHER OBJECTS WHICH MIGHT DAMAGE THE CABLE.
- INSPECT ALL CONDUIT(S) WITH CAMERA TO CONFIRM THAT CONDUIT(S) HAVE NOT BEEN CRUSHED OR BROKEN. CAP OPEN ENDS OF CONDUITS AND INSTALL A 200 LB. NYLON PULL CORD IN EACH EMPTY CONDUIT RUN.
- PROVIDE PLANS, PHOTO DOCUMENTATION AND GPS COORDINATES INDICATING THE LOCATION OF ANY AND ALL CONDUITS INTENDED FOR FUTURE USE BY OWNER. SUBMIT DOCUMENTATION WITH O&Ms.
- VERIFY LOCATION OF LIGHT POLES WITH THE OWNER AND ARCHITECT PRIOR TO ROUGH-IN.
- PROVIDE HAND RUBBED FINISHES FOR ALL SITE POLES. REFER TO DIAGRAM C003/E102 FOR ADDITIONAL INFORMATION.
- PROVIDE TEMPORARY POWER FOR PROJECT AS REQUIRED BY GENERAL CONTRACTOR.

KEYNOTES

- RISE UP WITH RMC AND SECURE LOCKABLE. WEATHERPROOF DEVICE AND CONDUIT TO FENCE POLE STRUCTURE. VERIFY EXACT LOCATION WITH OWNER AND GC PRIOR TO ROUGH-IN. PROVIDE LOCKABLE. IN USE WEATHER RESISTANT RATED ENCLOSURE.
- FIELD VERIFY FINAL LOCATION CLOSELY WITH GC. COORDINATE ADDITIONAL REQUIREMENTS FOR POLES SHOWN WITHIN POST TENNIS COURT SLAB WITH GC.
- DIV. 26 TO STUB AND CAP WITH PULLSTRING FOR FUTURE EXTENSION OF LINE. PROVIDE GPS COORDINATES OF STUB LOCATION FOR FUTURE USE.
- DEMO THE EXISTING OUTLET SERVING THE WEATHER STATION COMPLETELY BACK TO SOURCE. REMOVE CONDUCTOR THROUGHOUT AND RELABEL BREAKER IN SOURCE PANELBOARD AS SPARE. PROVIDE A NEW OUTLET AS SHOWN.
- EXISTING BUS HEATER PANEL TO REMAIN. DIV. 26 TO REMOVE EXISTING CONDUCTORS FEEDING THE PANEL COMPLETELY BACK TO SOURCE AND RELABEL SOURCE BREAKER AS SPARE. PROVIDE (2) NEW 25A 120V CIRCUITS AS INDICATED IN NEW 2" CONDUIT. WIRE SIZE UPSEIZED FOR VOLTAGE DROP. PROVIDE PULL BOX/ADAPTERS AS NECESSARY TO TERMINATE WIRES TO EXISTING OUTLETS WITHIN PANEL.
- DIV. 26 TO STUB AND CAP AT 24" ABOVE GRADE WITH PULLSTRING FOR FUTURE EXTENSION OF LINE INTO THE EXISTING SHED. CONDUIT TO BE USED BY THE OWNER FOR POWER TO THE SHED AT A FUTURE POINT.
- VERIFY CONDUIT ROUTING WITH CIVIL SITE PLAN. CONDUITS TO NOT PASS THROUGH GRADING OR BED OF THE RETENTION POND AREA.
- PROVIDE A STAND ALONE 16-RELAY MINIMUM LIGHTING CONTROL PANEL FOR AUTO CONTROL OF TENNIS AND PICKLEBALL COURTS. PROGRAM ON/ENHANCE PER OWNER'S DIRECTION FOR AUTOMATIC ON/OFF TIMES AND SCHEDULED DAYS (APPRENTICE 3 LIGHTING RELAY PANEL OR EQUIVALENT). PROGRAM LIGHTING RELAYS PER OWNER REQUIREMENTS. INCLUDE MASTER OVERRIDE SWITCH TO C AND RSC FOR MANUAL OVERRIDE. RELAY PANEL MUST BE IN A LOCKABLE, NEW 36" RATED.
- PROVIDE LOW-VOLTAGE WALLSTATION FOR CONTROL OF TENNIS COURTS AND BASKETBALL FIXTURES. ENGRAVE SWITCH BUTTONS AS FOLLOWS: TO ON - TURNS ON TENNIS COURT FIXTURES FOR 90 MINUTES. TO OFF - TURNS OFF TENNIS COURT FIXTURES. BB ON - TURNS ON BASKETBALL COURT FIXTURES FOR 90 MINUTES. BB OFF - TURNS OFF BASKETBALL COURT FIXTURES.
- PROVIDE LOW-VOLTAGE WALLSTATION FOR CONTROL OF PICKLEBALL COURTS. ENGRAVE SWITCH BUTTONS AS FOLLOWS: PB ON - TURNS ON PICKLEBALL COURT FIXTURES FOR 90 MINUTES. PB OFF - TURNS OFF PICKLEBALL COURT FIXTURES.
- CONTRACTOR SHALL FIELD VERIFY ROUTING WITH OWNER, ARCHITECT, AND GC. DIV. 26 TO PROVIDE ALL NECESSARY TRENCHING, LOCATION BORING, COMPACTING, BACKFILL, AND CONCRETE/ASPHALT PATCHING FOR ALL ELECTRICAL UNDERGROUND.
- MULTIPLE KNOWN UNDERGROUND UTILITIES IN THE AREA INCLUDED PROPANE, SEWER, STORM DRAIN, AND UTILITY SECONDARY POWER. CONTRACTOR SHALL FIELD LOCATE EXISTING UNDERGROUND UTILITY LINES AND MAINTAIN IN PLACE. CONTRACTOR IS RESPONSIBLE FOR ADJUSTING CONDUIT ROUTING AND GENERATOR AND ELECTRICAL GEAR LOCATIONS AS NECESSARY IN THE FIELD TO CLEAR EXISTING UTILITIES.
- GENERATOR IS BEING RELOCATED FROM AN EXISTING SCHOOL. GENERATOR IS FURNISHED BY THE OWNER AND TO BE INSTALLED BY THE CONTRACTOR. EXISTING GENERATOR IS A 3000BB DIESEL. GENERATOR EXISTING GENERATOR WAS PREVIOUSLY A 480V 3P CONFIGURATION. CONTRACTOR MUST CONTACT CUMMINS REP TO INCLUDE THEIR GENERATOR TECHNICIAN SERVICES TO RESTRAP THE ALTERNATOR, REPROGRAM INTERNAL CONTROLS, AND REPLACE ALTERNATOR GEAR AS WELL AS INCLUDING STARTUP AND COMMISSIONING SERVICES. CONTRACTOR TO PROVIDE A NEW 100A 208V 3P BREAKER WITHIN THE GENERATOR.
- COORDINATE STUB-UP LOCATION WITH OWNER AND ARCHITECT. CONDUITS TO RISE UP BUILDING EXTERIOR AND CONTINUE OVERHEAD THROUGH OPEN TO STRUCTURE AND LAY IN CEILING TILE AREAS TO CONTINUE TO THE EXISTING ELECTRICAL ROOM AND EXISTING MAIN DATA ROOM.
- EXISTING ABANDONED EMERGENCY BATTERY SYSTEM TO BE DEMOLISHED.
- EXISTING MDF LOCATION. STUB AND CAP (1/2" CONDUIT FROM THE SITE TO CEILING ABOVE BACK FOR FUTURE USE. LABEL CONDUIT AS TENNIS COURT SPARE. REPLACE EXISTING OUTLETS SHOWN WITH NEW, RED OUTLETS FOR EMERGENCY POWER. EXTEND BRANCH CIRCUITS FROM NEW PANELBOARD 15 FT. REMOVE EXISTING CONDUCTORS BACK TO SOURCE PANELBOARD AND RELABEL BREAKER AS SPARE.
- REPLACE EXISTING OUTLETS SHOWN WITH NEW, RED OUTLETS FOR EMERGENCY POWER. EXTEND BRANCH CIRCUITS FROM NEW PANELBOARD 15 FT. REMOVE EXISTING CONDUCTORS BACK TO SOURCE PANELBOARD AND RELABEL BREAKER AS SPARE.
- EXISTING EMERGENCY LIGHT FIXTURE CIRCUIT TO BE REWIRED TO NEW EMERGENCY PANEL BRANCH CIRCUIT EL1.1. FIELD VERIFY EXISTING LIGHT FIXTURE MOUNTING CONDITIONS PRIOR TO ORDERING NEW FIXTURES TO ENSURE REPLACEMENT FIXTURES WILL RETROFIT INTO EXISTING CEILING CONDITIONS.
- PROVIDE A NEW WESTINGHOUSE HPS3100 100A 208V 3P BREAKER WITHIN EXISTING WESTINGHOUSE PPSR LINE SWITCHBOARD FOR EMERGENCY PANELBOARD EL1.1. PROVIDE A NEW WESTINGHOUSE K8200F 200A 208V 3P BREAKER WITHIN EXISTING WESTINGHOUSE SWITCHBOARD FOR NEW TENNIS COURT PANELBOARD. CONTRACTOR SHALL FIELD VERIFY BREAKER FRAME REQUIREMENTS WITH EXISTING GEAR PRIOR TO ORDERING.

SITE PLAN
SCALE = 3/64" = 1'-0"



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EMERY COUNTY SCHOOL DISTRICT
GREEN RIVER HIGH SCHOOL TENNIS
GREEN RIVER, UTAH
745 W. PIRATE AVE.

DRAWN BY: RESOLUT
CHECKED BY: RESOLUT
DATE: MAR. 2026
PROJECT #: 251110

E1.0

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ELECTRICAL ONE-LINE SYMBOL DIAGRAM			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	GENERATOR		POWER PANEL
	DOCKING STATION		TRANSFER SWITCH
	PAD MOUNTED SWITCHGEAR		TRANSFORMER
	SECTIONALIZING CABINET		AC /DC INVERTER
	EQUIPMENT ENCLOSURE		FUSED DISCONNECT
	GROUNDING ELECTRODES		MAGNETIC STARTER / DISCONNECT
	WATER MAIN		SURGE PROTECTION
	RUG STEEL		CURRENT TRANSFORMER
	SWITCHBOARD BUS		FEED THRU METER
			CT METER
			CIRCUIT BREAKER
			FUSED SWITCH
			UNFUSED SWITCH
			MOTOR
			NEW LINE TYPE
			EXISTING LINE TYPE
			DEMOLITION LINE TYPE

KEYNOTES

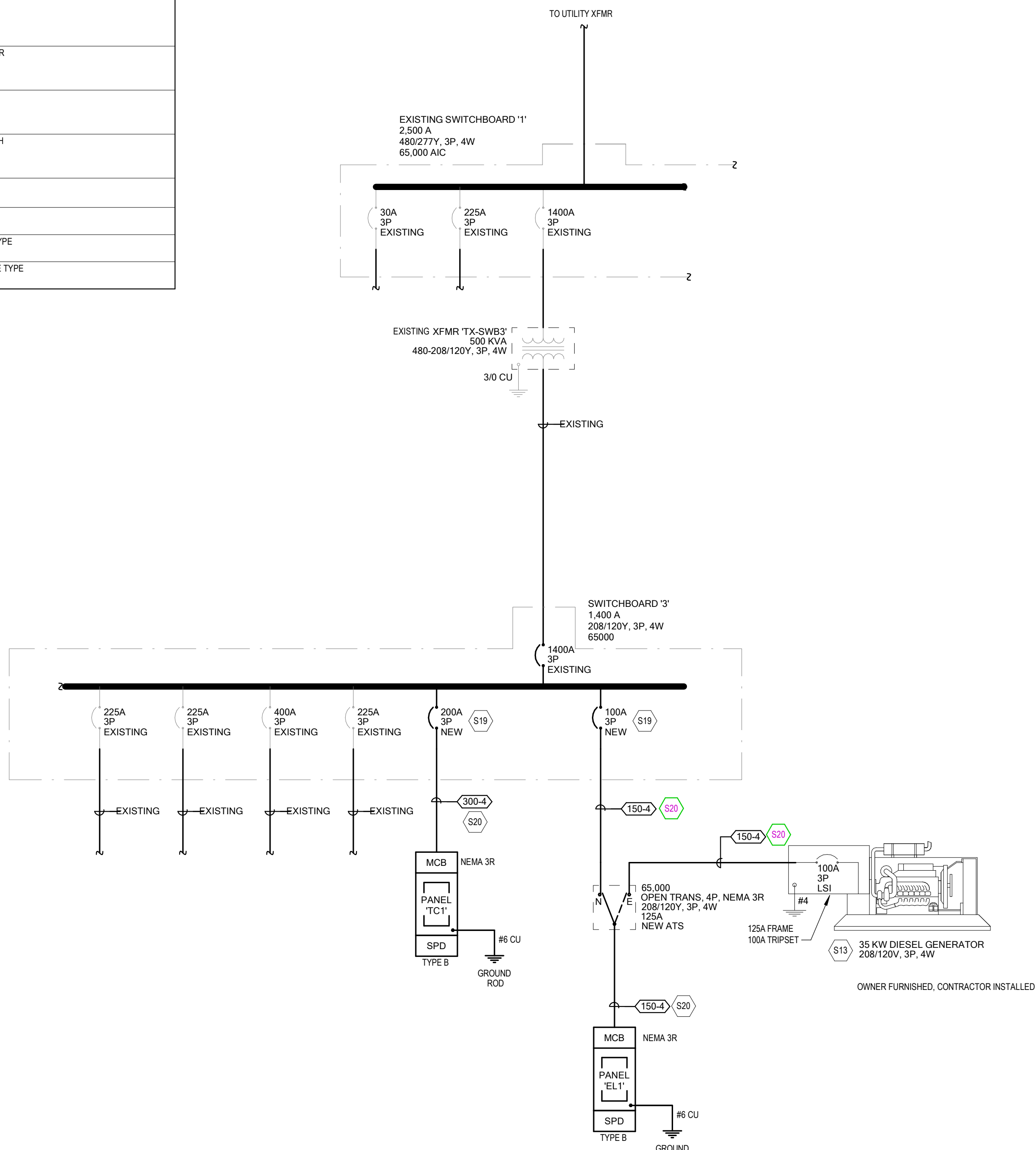
S(13) GENERATOR IS BEING RELOCATED FROM AN EXISTING SLOPE. GENERATOR IS FURNISHED BY THE OWNER AND TO BE INSTALLED BY THE CONTRACTOR. EXISTING GENERATOR IS A 3000HP DIESEL GENERATOR. EXISTING GENERATOR WAS PREVIOUSLY A 600V 3P CONFIGURATION. CONTRACTOR TO CONTACT MANUFACTURER OF EXISTING GENERATOR FOR PARTS AND INSTRUCTIONS TO REPAIR THE ALTERNATOR, REPROGRAM INTERNAL CONTROLS, AND REPLACE ALTERNATOR LEADS AS WELL AS HOLDING STARTUP AND COMMISSIONING SERVICES.

S(19) CONTRACTOR PROVIDE A NEW 100A 208V BREAKER WITHIN THE GENERATOR. PROVIDE A NEW WESTINGHOUSE #H3310 100A 208V 3P BREAKER WITH EXISTING WESTINGHOUSE FOR R-LINE SWITCHBOARD FOR EMERGENCY PANELOWARD L1. PROVIDE A NEW WESTINGHOUSE XKB00F 200A 208V 3P BREAKER WITH EXISTING WESTINGHOUSE SWITCHBOARD FOR TENNIS COURT PANELOWARD. CONTRACTOR SHALL FIELD VERIFY BREAKER FRAME REQUIREMENTS WITH EXISTING GEAR PRIOR TO ORDERING.

S(20) CONTRACTOR TO PROVIDE ALL NECESSARY ELECTRICAL ADAPTERS, PIN BUSHINGS, POLARIS LIQUIGLTS, ETC. AS REQUIRED. PROVIDE 2X25 SIZE JUNCTION BOX ABOVE EACH PANELOWARD BOARD AS NEEDED TO LOCATE AND TERMINATE CONDUCTORS ON POLARIS LIQUIGLTS. PROVIDE FROM FINAL TERMINAL POINTS TO PANELS, SIDE DOWN TO CONDUCTORS THAT WILL FEED AVAILABLE LIQUIGLTS AND OTHER BREAKERS.

ALUMINUM CONDUCTOR & CONDUIT SCHEDULE							
TYPE	MAX. O.C. PROT.	COND. AMPS	SETS	CONDUCTOR QUAN.	CONDUIT SIZE	CONDUIT SIZE	Eq. COND. (A.L.)
100-5	100	96	1	5"	1/2	2"	4
125-3	125	120	1	3	1/2	2"	4
125	125	120	1	4	1/2	2"	4
125-5	125	124	1	5"	3/8	3"	4
150-3	150	135	1	3	2/8	2"	4
150-4	150	135	1	4	2/8	2"	4
150	150	144	1	5"	4/8	3"	2
175-3	175	155	1	3	3/8	2"	4
175-4	175	155	1	4	3/8	2"	4
175-5	175	164	1	5"	25/8	3"	2
200-3	200	180	1	3	4/8	2"	4
200-4	200	180	1	4	4/8	5"	4
200-5	200	184	1	5"	30/8	3"	2
225-3	225	205	1	3	25/8	2"	4
225-4	225	205	1	4	25/8	3"	2
225-5	225	216	1	5"	40/8	3"	2
250-3	250	230	1	3	30/8	3"	2
250-4	250	230	1	4	30/8	3"	2
250-5	250	248	1	5"	50/8	4"	1
300-3	300	270	1	3	40/8	3"	2
300-4	300	270	1	4	40/8	5"	2
300-5	300	270	1	5"	60/8	4"	2
350-3	350	310	1	3	50/8	4"	1
350-4	350	310	1	4	50/8	4"	1
350-5	350	308	1	5"	75/8	4"	1
400-3	400	410	2	3	25/8	2 1/2"	20
400-4	400	410	2	4	25/8	2 1/2"	20
400-5	400	400	2	5"	35/8	3"	20
600-3	600	620	2	3	50/8	3"	20
600	600	620	2	4	50/8	3"	20
600-5	600	600	3	5"	35/8	3"	20
800-3	800	810	3	3	40/8	2 1/2"	30
800-4	800	810	3	4	40/8	3"	30
800-5	800	800	4	5"	35/8	4"	30
1000-3	1000	1155	3	3	75/8	4"	40
1000-4	1000	1155	3	4	75/8	4"	40
1000-5	1000	1000	5	5"	35/8	4"	40
1200-3	1200	1240	4	3	50/8	4"	250
1200-4	1200	1240	4	4	50/8	4"	250
1200-5	1200	1240	5	5"	50/8	4"	250
1600-3	1600	1620	6	3	40/8	4"	350
1600-4	1600	1620	6	4	40/8	4"	350
1600-5	1600	1736	7	5"	50/8	4"	350
2000-4	2000	2100	6	4	75/8	4"	450
2500-4	2500	2695	7	4	75/8	5"	600
3000-4	3000	3080	8	4	75/8	5"	600
4000-4	4000	4235	11	4	75/8	5"	750

COPPER CONDUCTOR & CONDUIT SCHEDULE							
TYPE	MAX. O.C. P.R.T.	COND. AMPS	SETS	CONDUCTOR QUAN. SIZE		CONDUIT SIZE	EQ. COND. CZ. (CU)
30-2	30	30	1	2	10	3/4"	10
30-3	30	30	1	3	10	3/4"	10
30-4	30	30	1	4	10	3/4"	10
40-2	40	40	1	2	8	1"	10
40-3	40	40	1	3	8	1"	10
40-4	40	40	1	4	8	1"	10
60-2	60	55	1	2	6	1"	8
60-3	60	55	1	3	6	1"	8
60-4	60	55	1	4	6	1"	8
70-2	70	70	1	2	4	1"	8
70-3	70	70	1	3	4	1-1/4"	8
70-4	70	70	1	4	4	1-1/4"	8
90-2	90	85	1	2	3	1-1/4"	8
90-3	90	85	1	3	3	1-1/4"	8
90-4	90	85	1	4	3	1-1/2"	8
100-3	100	95	1	3	2	1-1/2"	6
100-4	100	95	1	4	2	1-1/2"	6



1 Electrical One-Line Diagram
E2.0 NOT TO SCALE



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STATE AVE

DRAWN BY: RESOLUTION
CHECKED BY: RESOLUTION
DATE: MAR. 2026
PROJECT #: 251110

E2.0

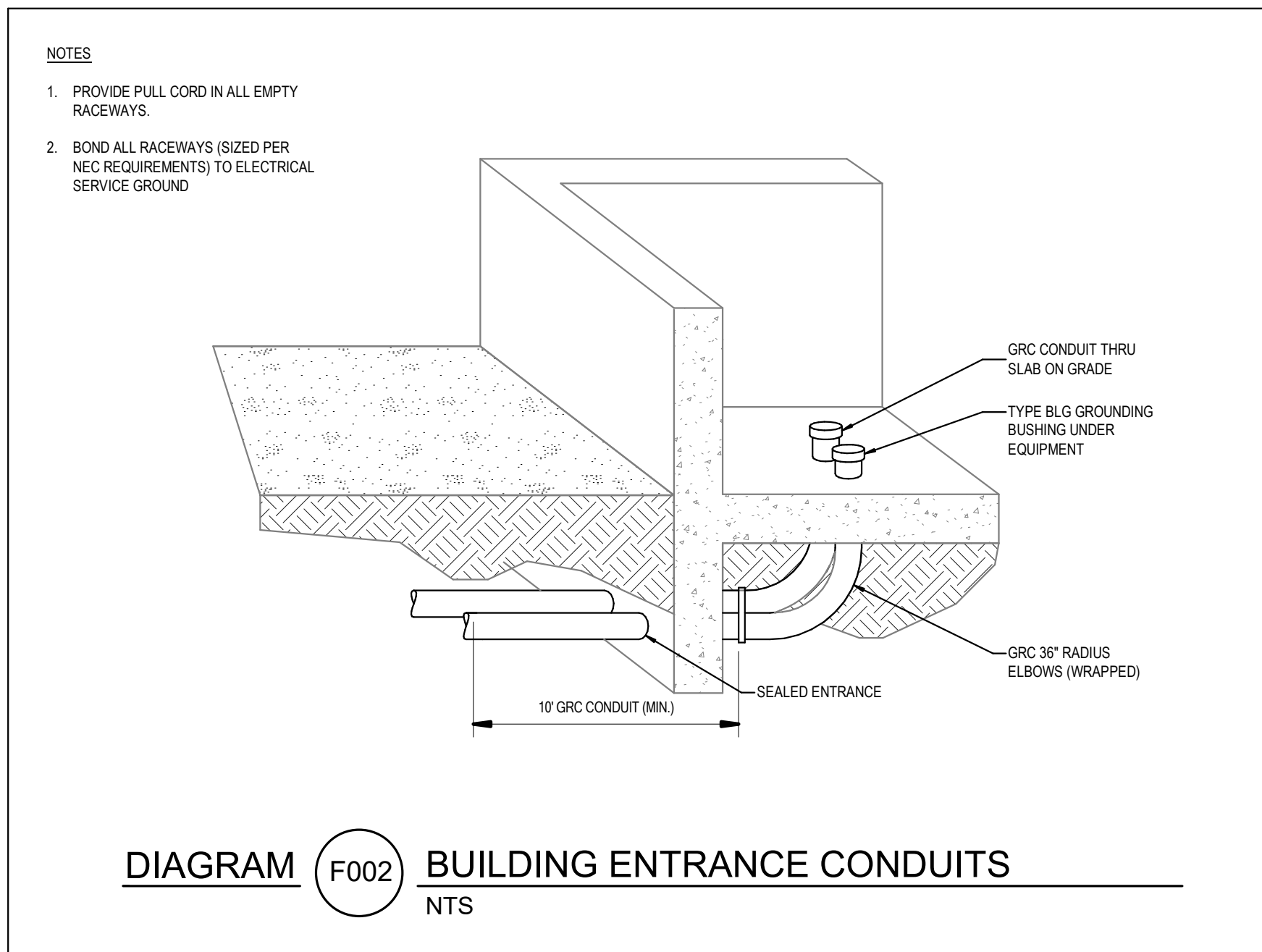


DIAGRAM F002 BUILDING ENTRANCE CONDUITS
NTS

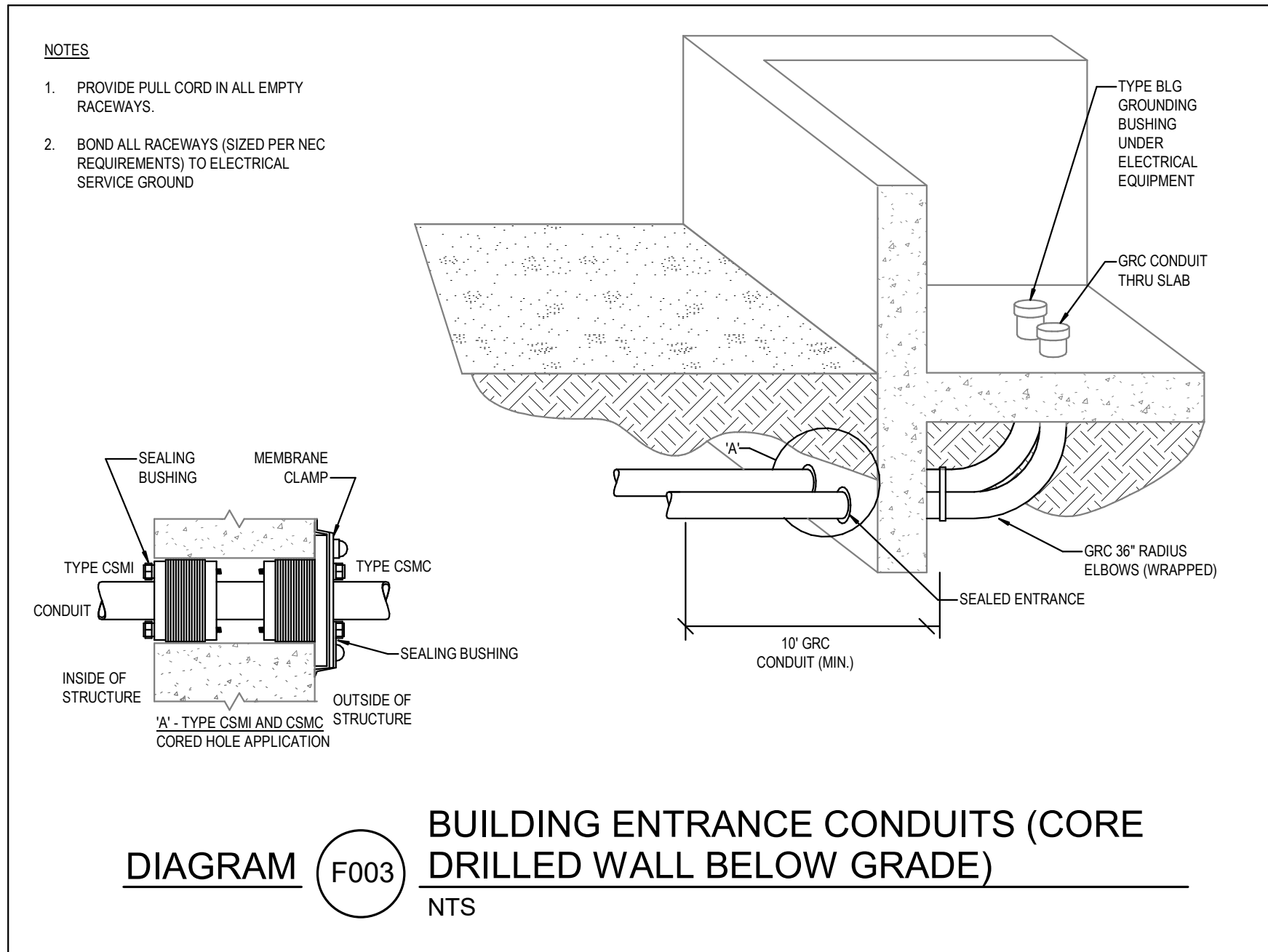


DIAGRAM F003 BUILDING ENTRANCE CONDUITS (CORE DRILLED WALL BELOW GRADE)
NTS

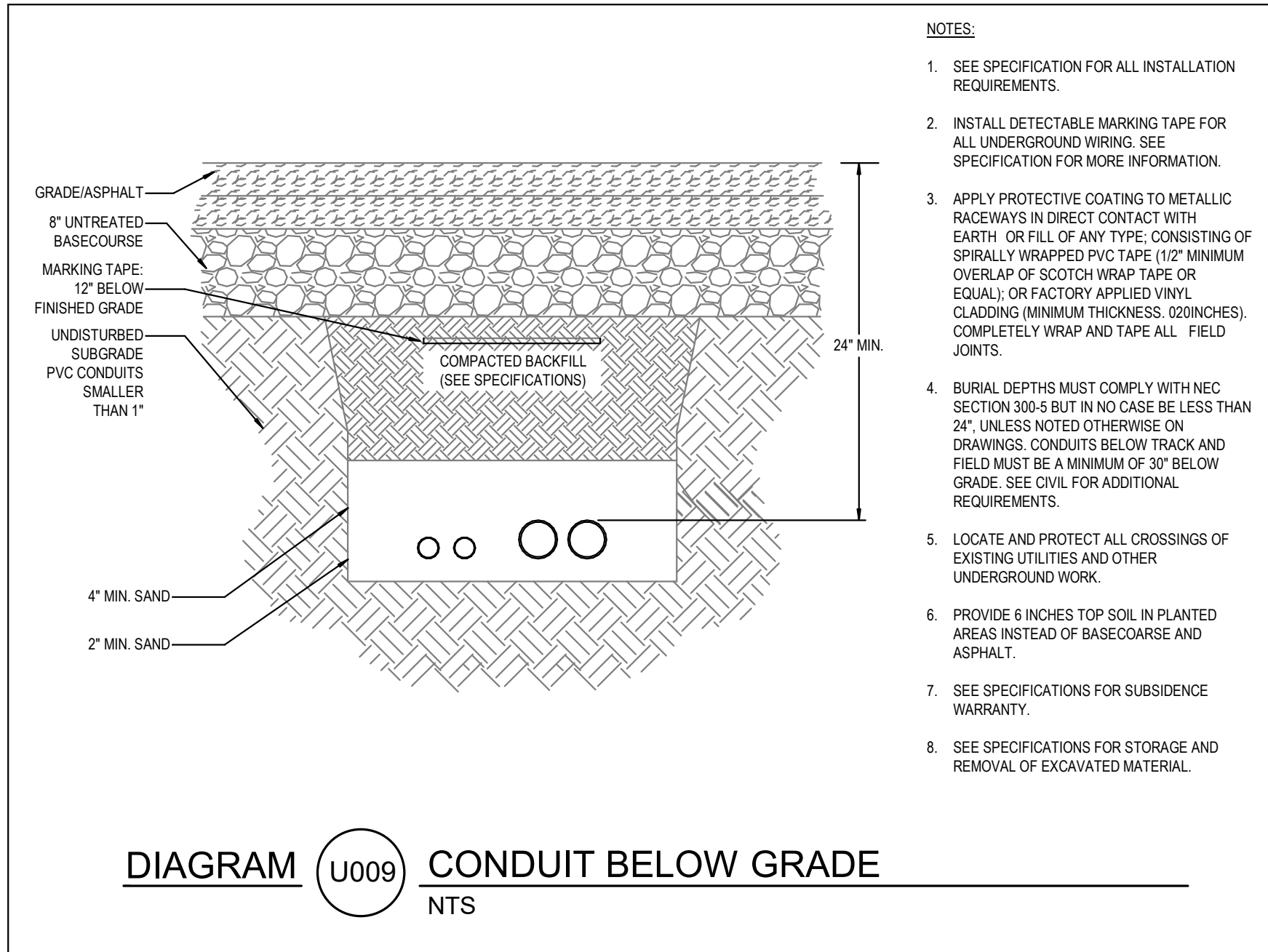


DIAGRAM U009 CONDUIT BELOW GRADE
NTS

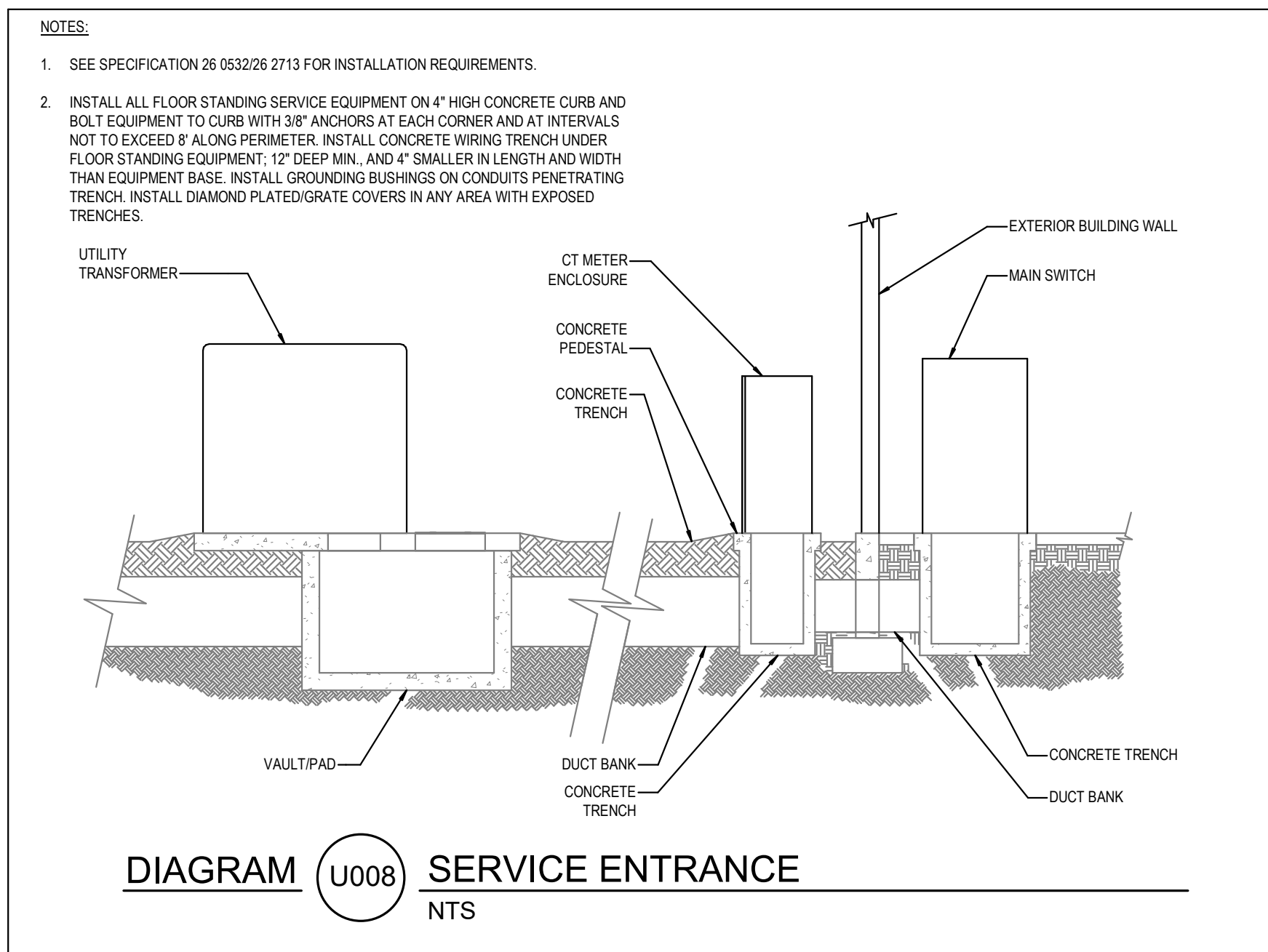


DIAGRAM U008 SERVICE ENTRANCE
NTS

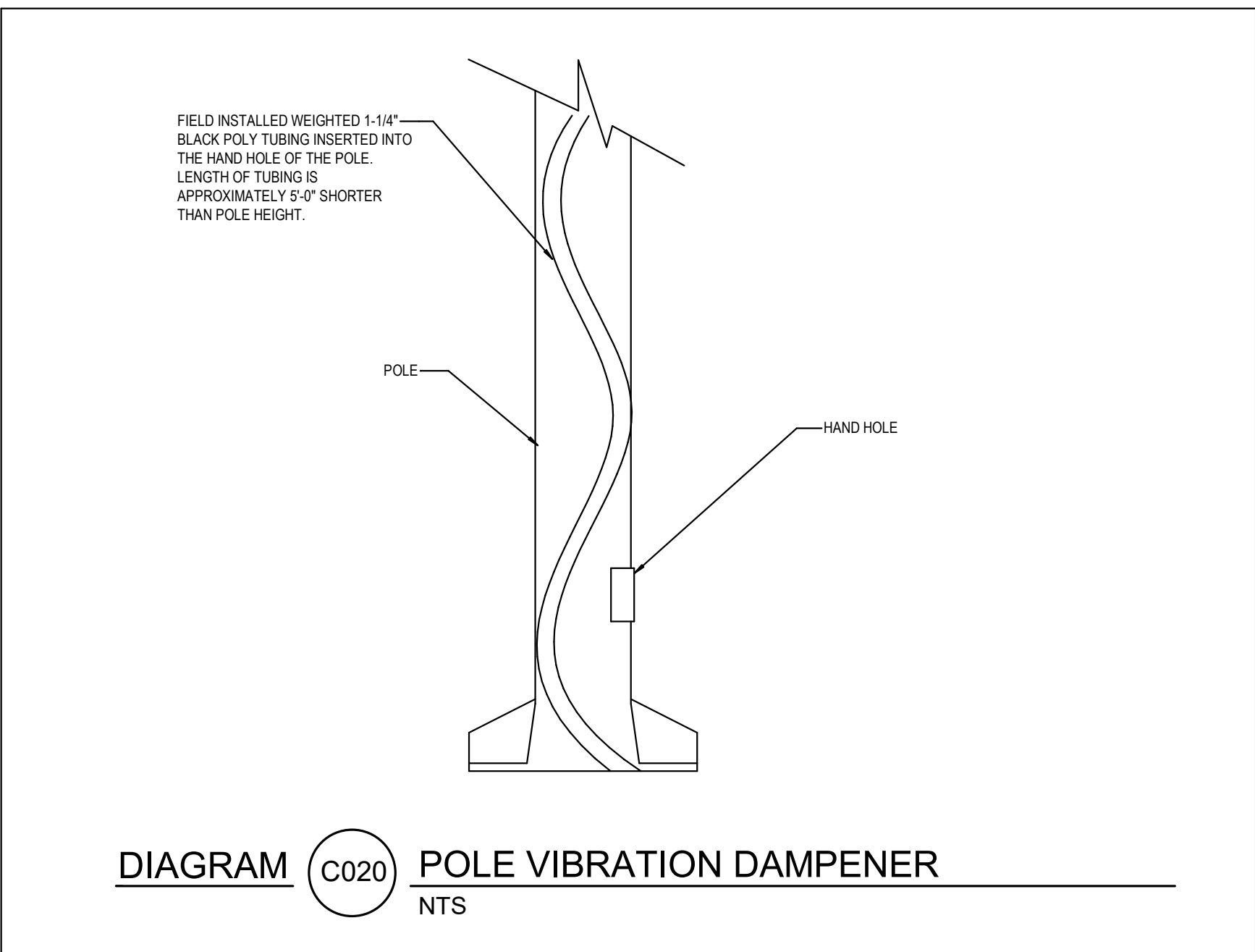


DIAGRAM C020 POLE VIBRATION DAMPENER
NTS

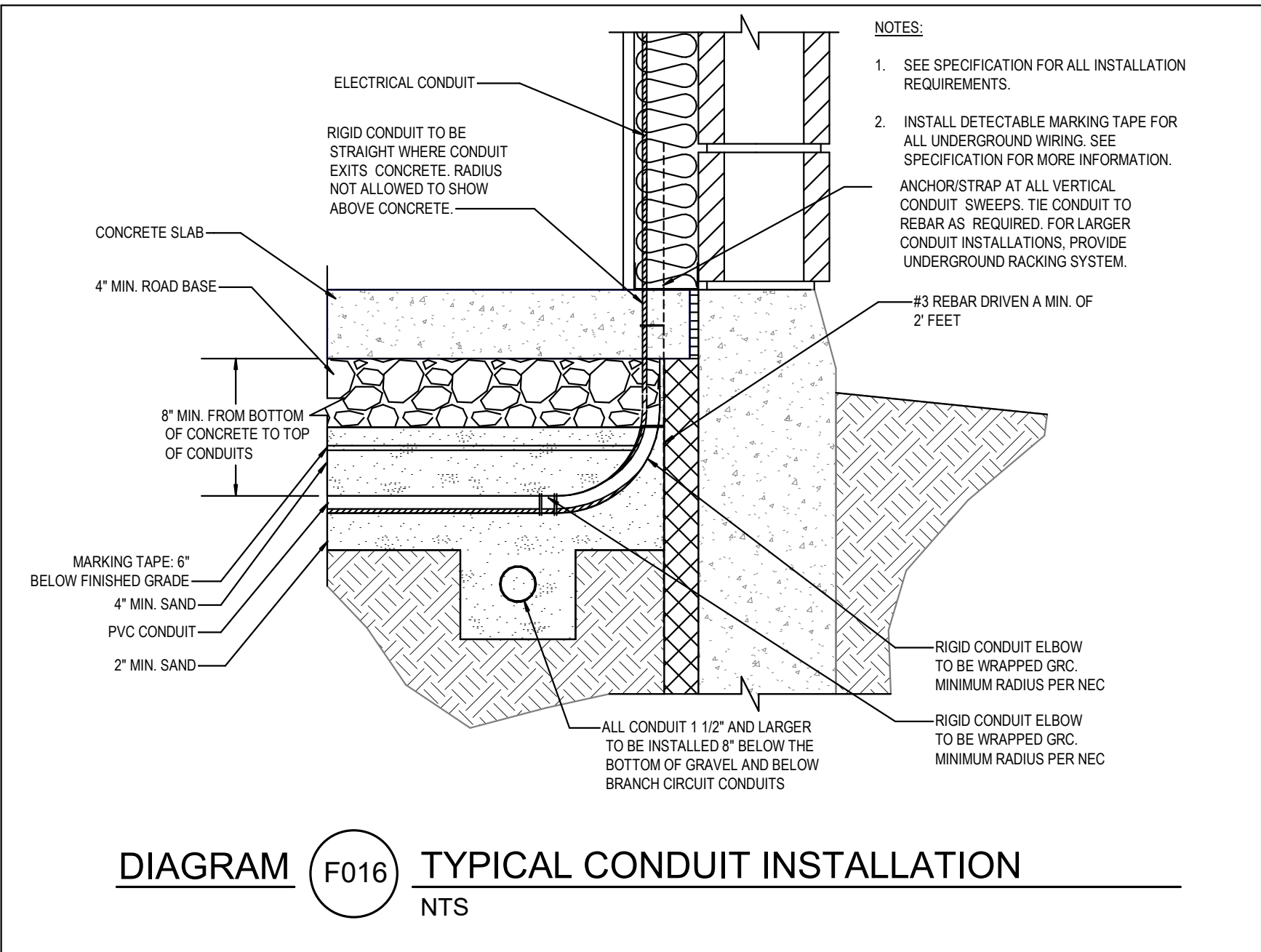


DIAGRAM F016 TYPICAL CONDUIT INSTALLATION
NTS

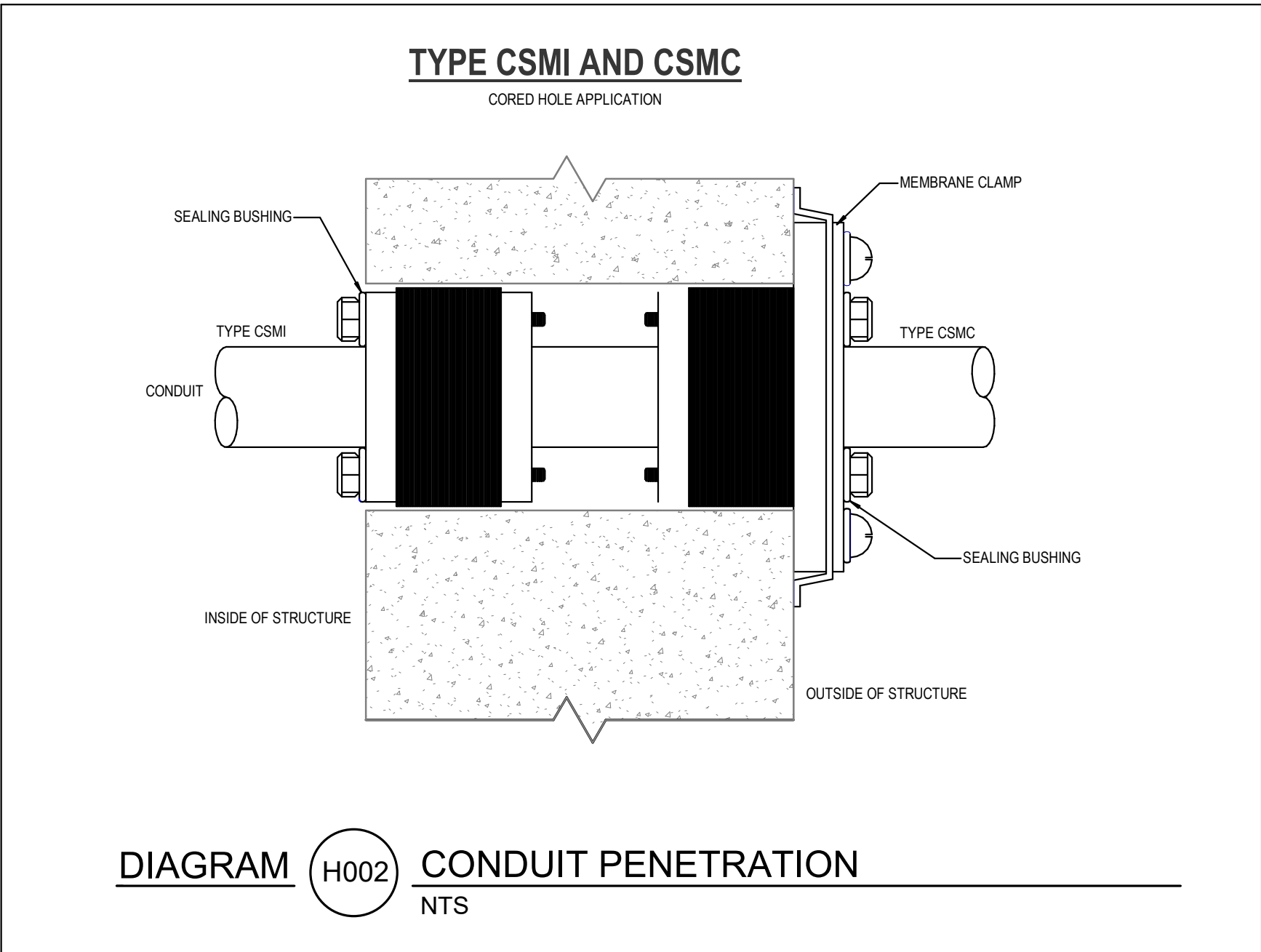


DIAGRAM H002 CONDUIT PENETRATION
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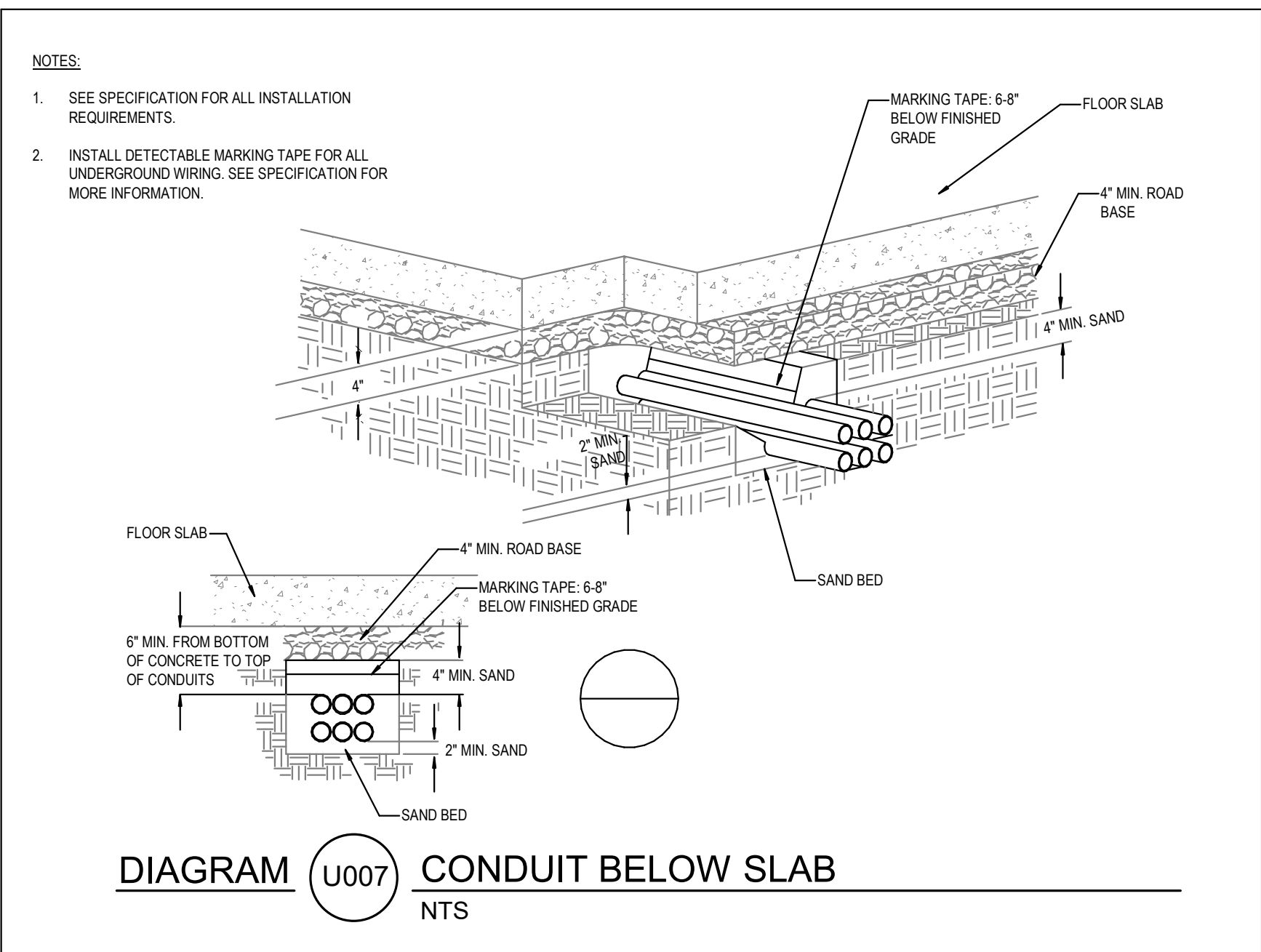


DIAGRAM U007 CONDUIT BELOW SLAB
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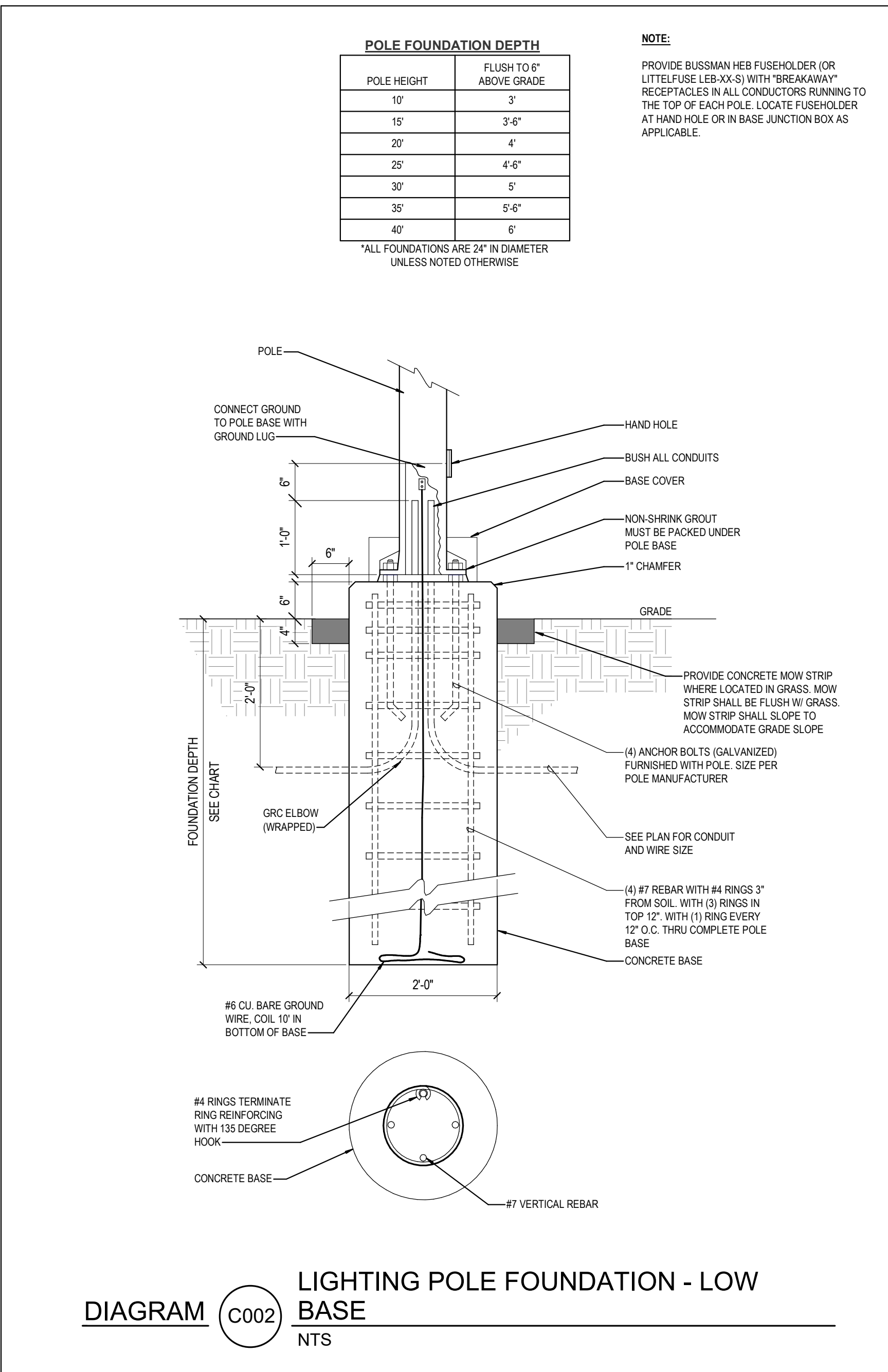


DIAGRAM C002 LIGHTING POLE FOUNDATION - LOW BASE
NTS

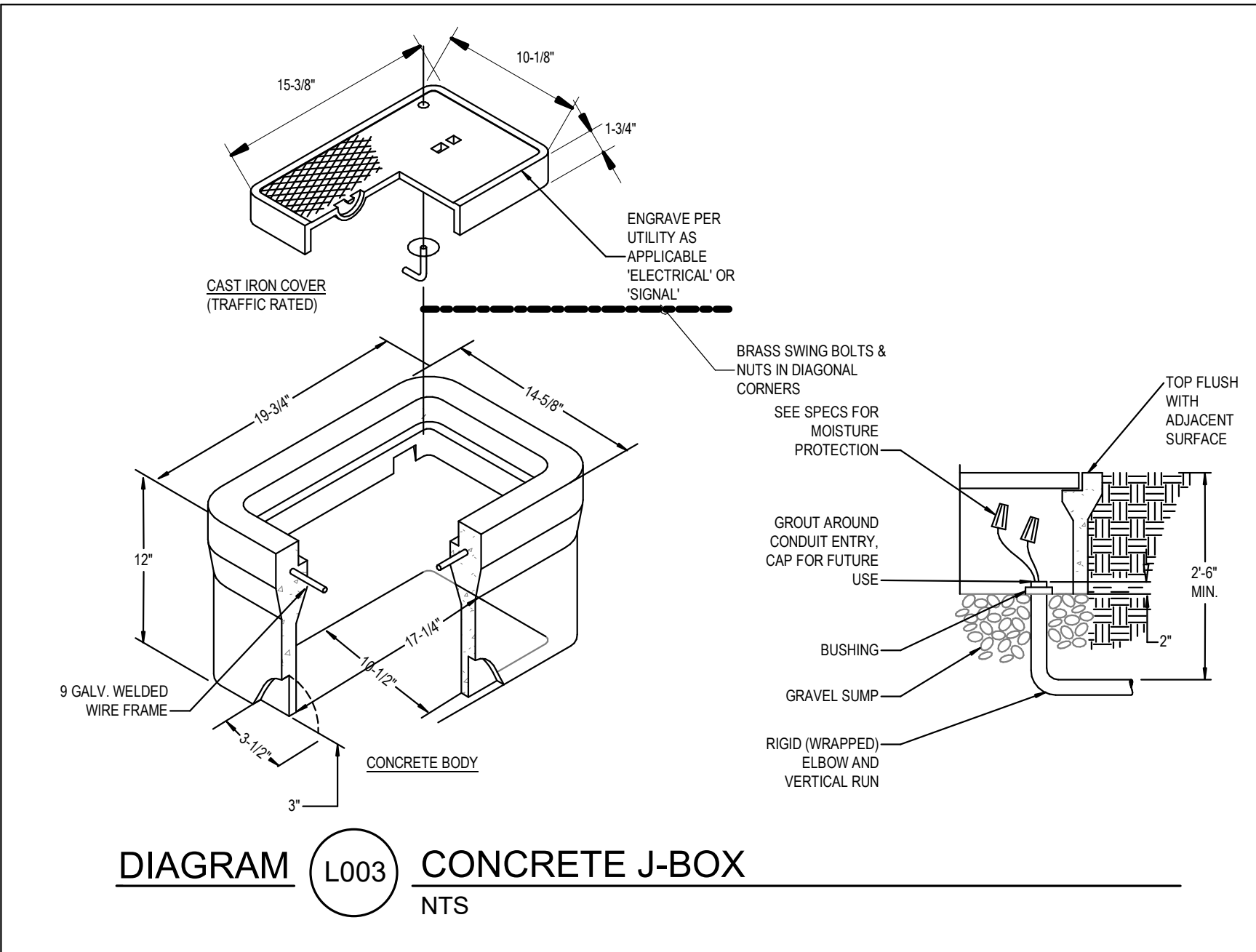


DIAGRAM L003 CONCRETE J-BOX
NTS

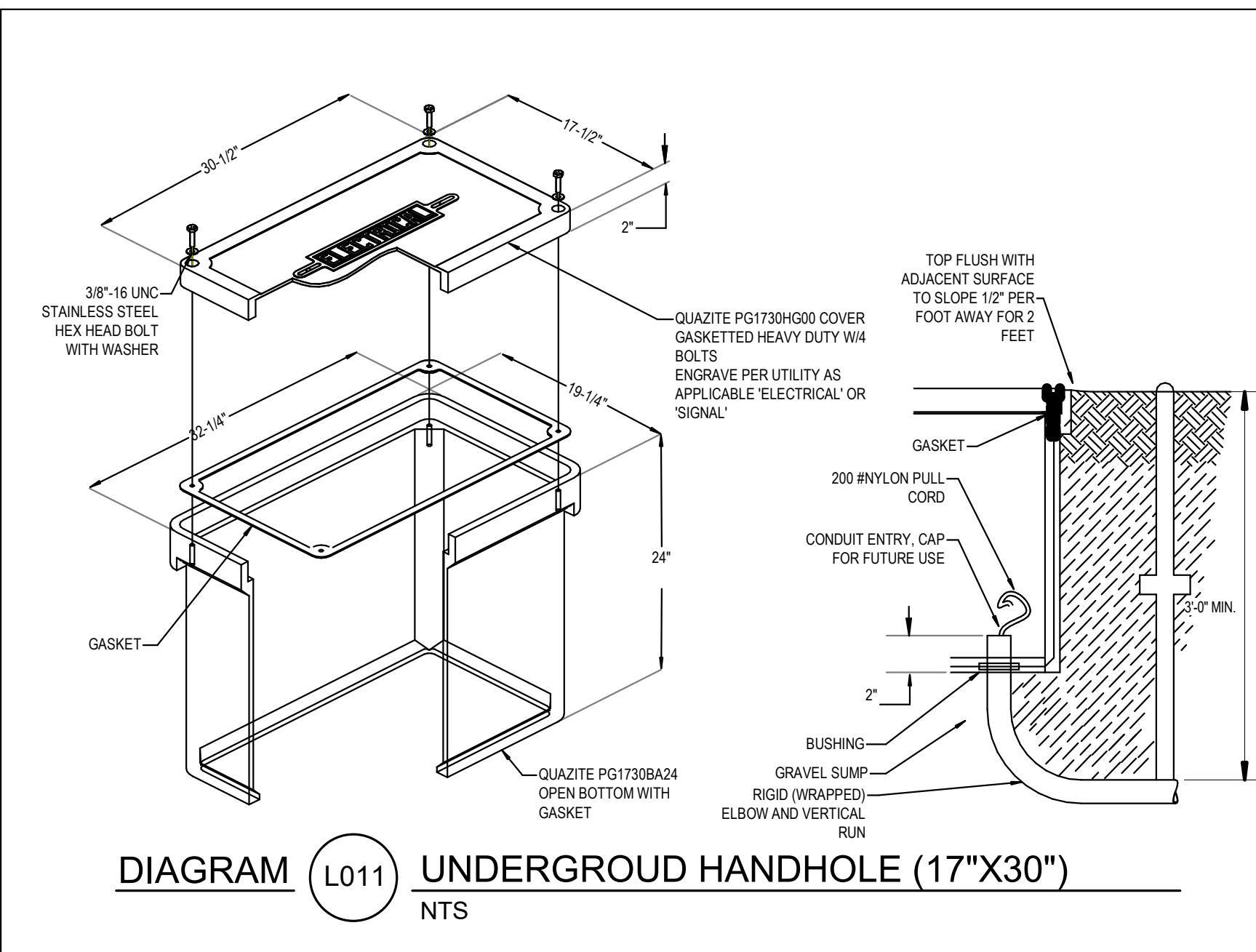


DIAGRAM L011 UNDERGROUND HANDHOLE (17\"/>

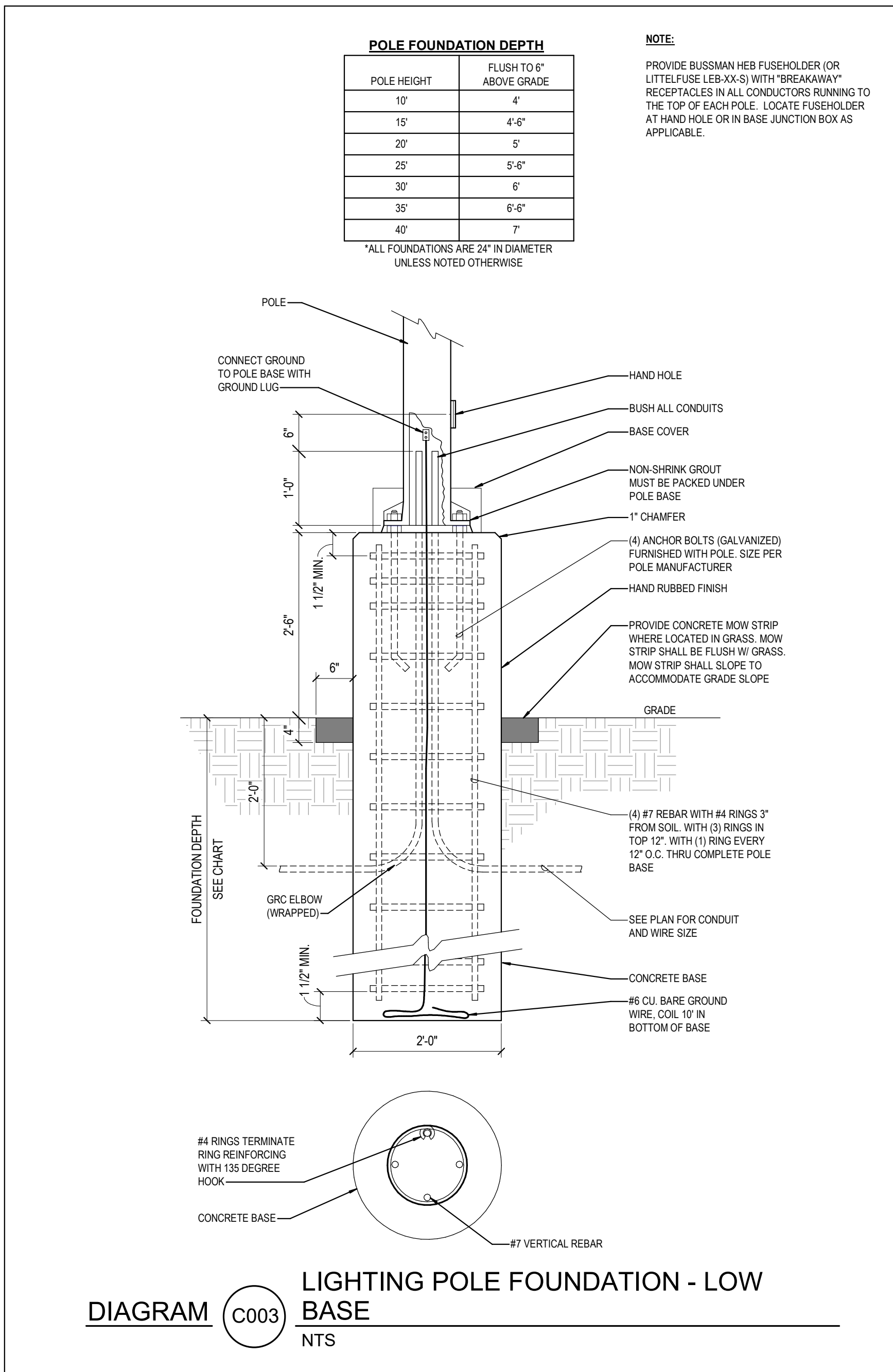


DIAGRAM C003 LIGHTING POLE FOUNDATION - LOW BASE
NTS

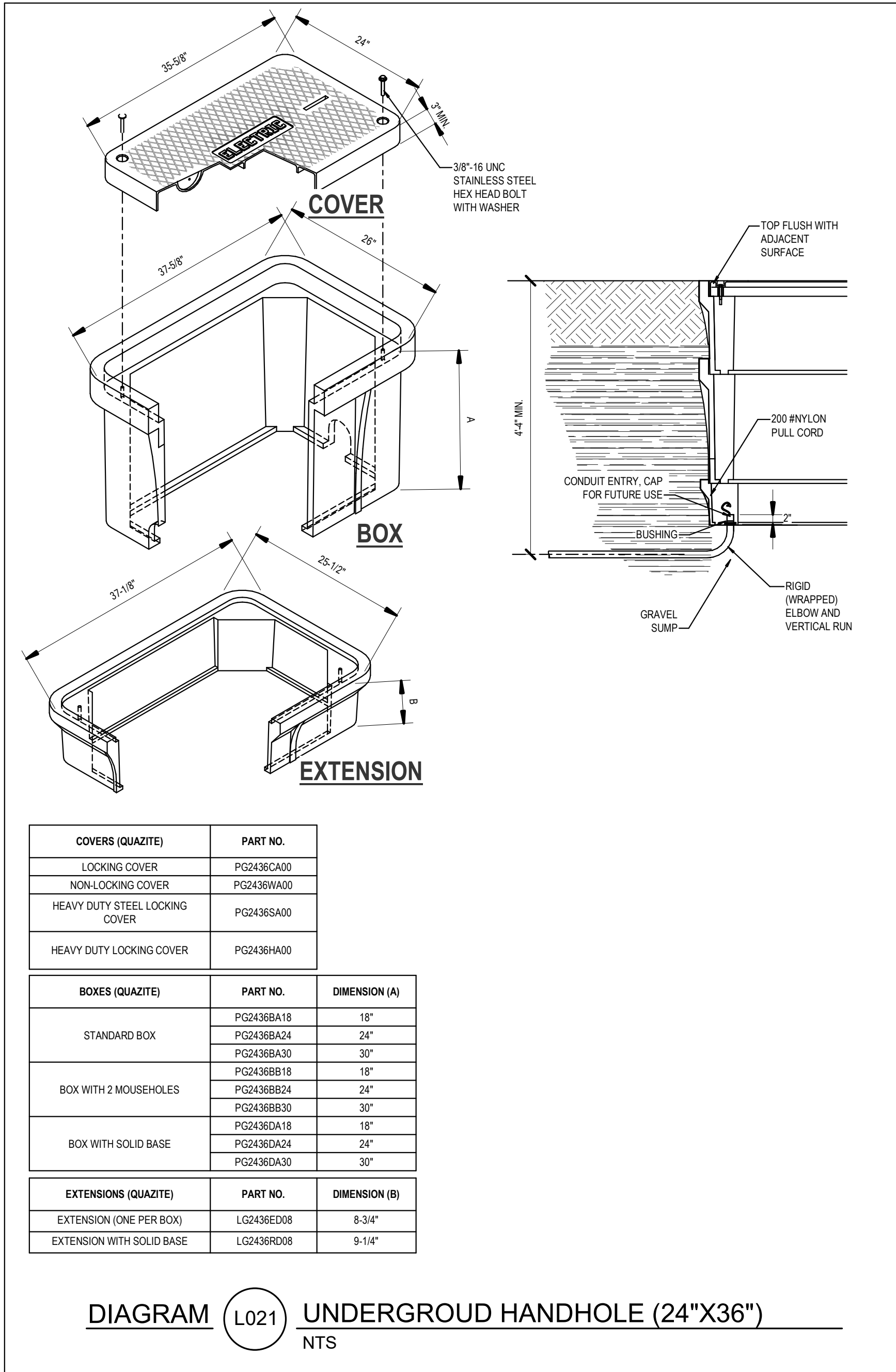


DIAGRAM L021 UNDERGROUND HANDHOLE (24\"/>

