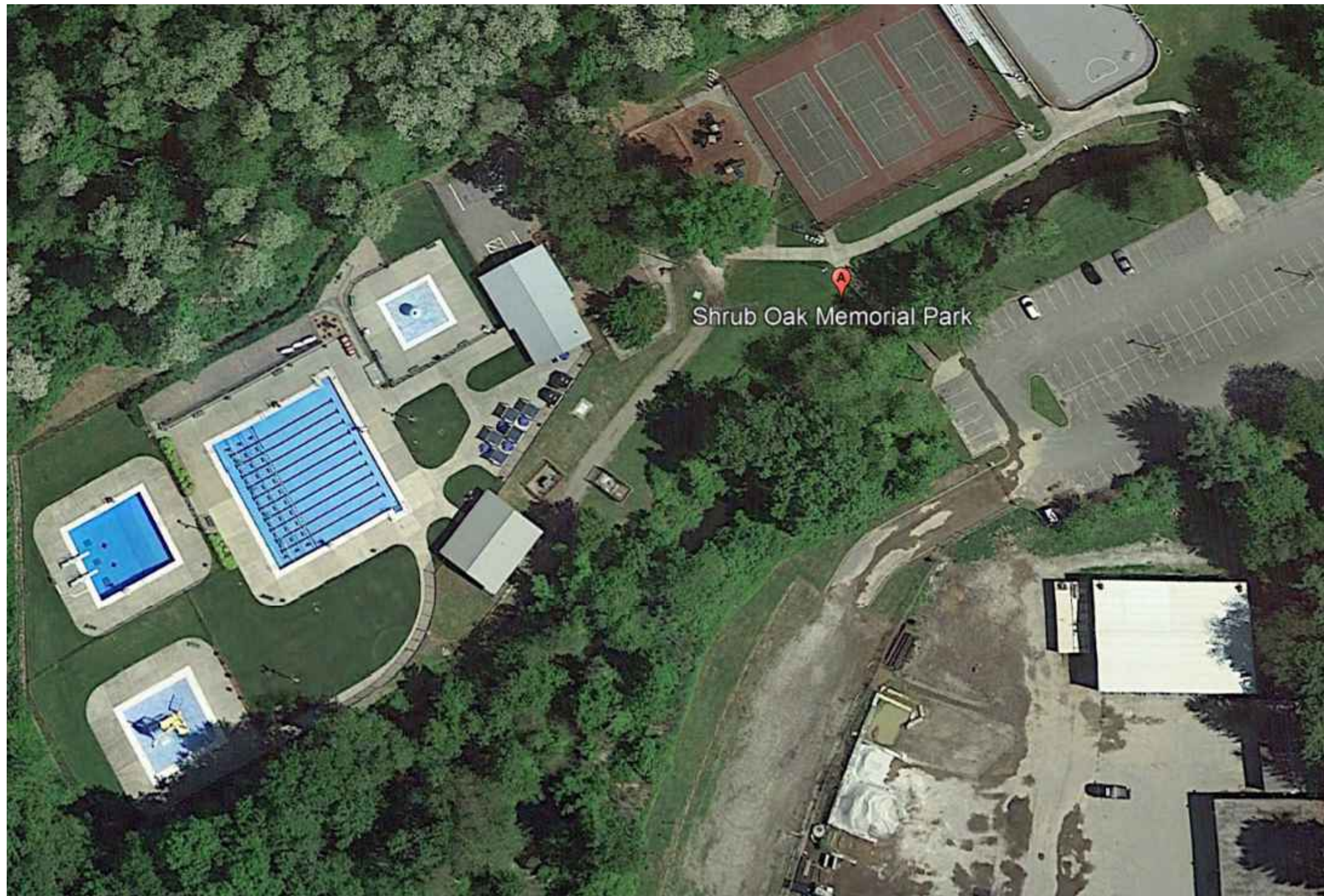


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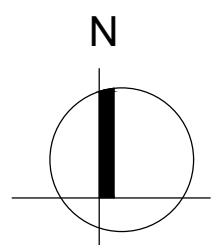
SHRUB OAK MEMORIAL PARK

BRIAN J. SLAVIN AQUATIC CENTER POOL RENOVATION

3800 Sunnyside St, Shrub Oak, NY 10588



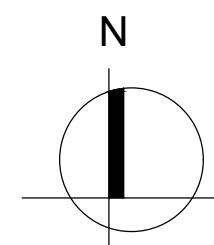
LOCATION MAP
NOT TO SCALE



PROPOSED
PROJECT
LOCATION

RT 6

VICINITY MAP
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BRIAN J. SLAVIN AQUATIC CENTER POOL RENOVATION	
SHEET NUMBER	SHEET TITLE
AQ-001	SITE PLAN
AQ-100	DEPTH MARKER PLAN
AQ-200	DEMO AND CONSTRUCTION PLANS - BASE SCOPE
AQ-201	DEMO AND CONSTRUCTION PLANS - BASE SCOPE
AQ-210	DEMO AND CONSTRUCTION DETAILS - BASE SCOPE
AQ-300	DEMO AND CONSTRUCTION PLANS - ALTERNATE SCOPE
AQ-310	DEMO AND CONSTRUCTION DETAILS - ALTERNATE SCOPE
AQ-400	TYPICAL DETAILS
AQ-500	EQUIPOTENTIAL BONDING PLAN AND DETAILS
AQ-510	EQUIPOTENTIAL BONDING PLAN AND DETAILS ALTERNATE SCOPE

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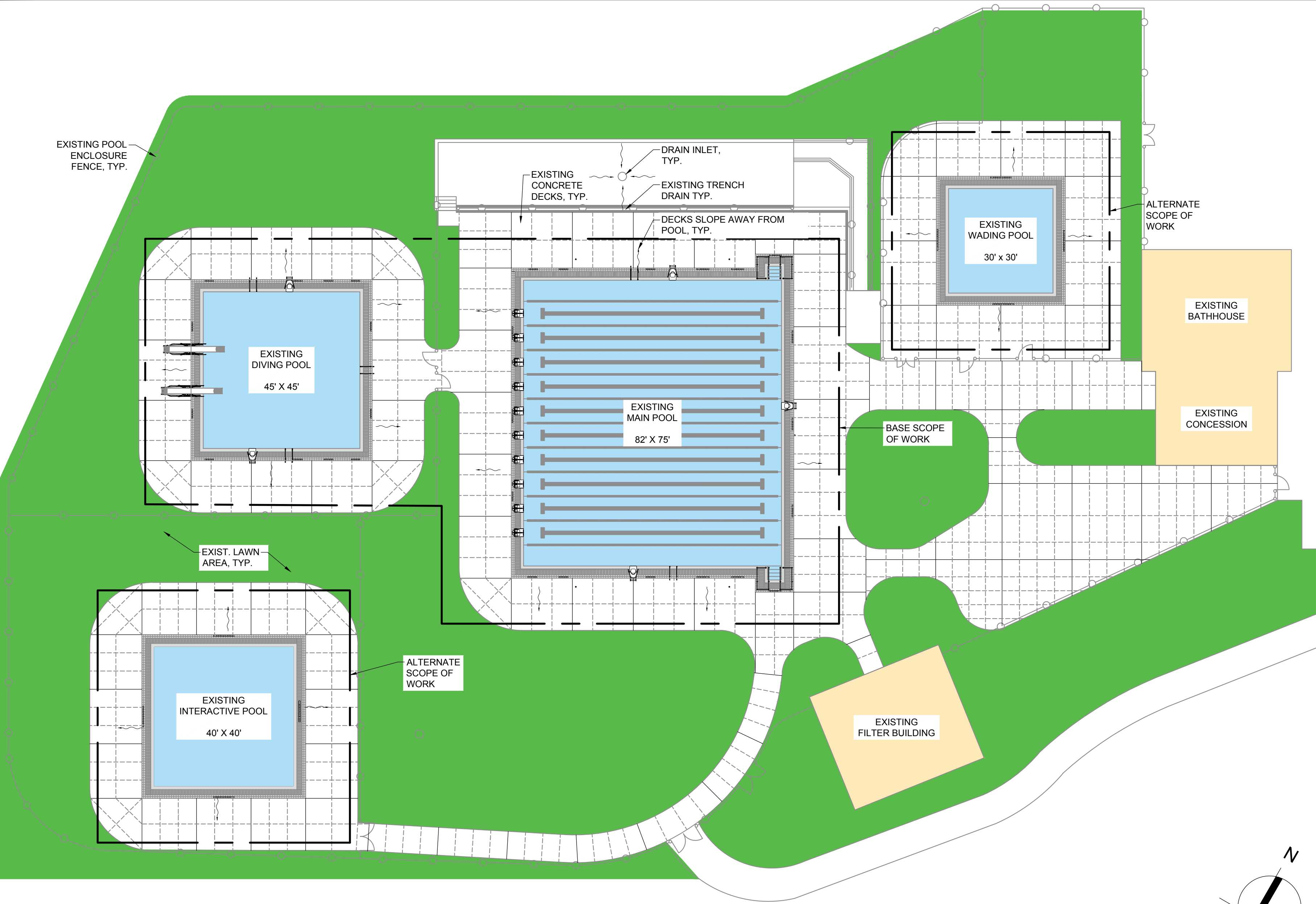
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CONSTRUCTION LIMITS

1" = 80'-0"

COPING NOTES:

- STONE COPING:
 - EACH PIECE SHALL BE CUT AND GROUND FROM SOLID ROCK.
 - MATERIAL SHALL BE QUARRIED GRANITE OR DIORITE, GRAY OR DARK GRAY IN COLOR.
 - MATERIAL SHALL HAVE A SMOOTH FINISH ONCE POLISHED. MINIMAL IMPERFECTIONS AND NO FISSURES WILL BE ACCEPTED.
 - MATERIAL SHALL BE FINISHED WITH A SLIP RESISTANT FINISH, HAVING A DYNAMIC COEFFICIENT OF FRICTION PER ANSI A326.3 OF NOT LESS THAN 0.6 WHEN WET.
 - MANUFACTURER SHALL SUBMIT A REPRESENTATIVE TILE FOR OWNER'S ACCEPTANCE PRIOR TO MANUFACTURE.
 - MANUFACTURER SHALL PROVIDE A MINIMUM OF 3 REFERENCES TO PROVIDE A PROVEN TRACK RECORD OF THE SOURCE MATERIAL BEING USED FOR POOL COPING OR SIMILAR USE, ACCEPTABLE TO ENGINEER, FOR NOT LESS THAN 10 YEARS WITHOUT APPRECIABLE DETERIORATION. SOURCE OF PROPOSED ROCK SHALL BE THE SAME AS THE REFERENCE PROJECTS.
 - STONE ON FRONT FACE TOP OF WALL SHALL PROVIDE A RAISED BULL NOSE LIKE THAT INDICATED. BULL NOSE IS NOT ALLOWED ON ZERO DEPTH ENTRIES. THE STONE PROFILE SHALL BE APPROVED BY THE PERMITTING AUTHORITY PRIOR TO MANUFACTURE.
 - MANUFACTURER SHALL PROVIDE TRANSITIONAL PIECES INCLUDING INSIDE AND OUTSIDE CORNERS AND/OR MITERS, AND PROFILE TRANSITIONS FROM RAISED BULL NOSE TO LEVEL (AT STAIR ENTRIES).
- PRE-CAST COPING:
 - COPING SHALL BE PRECAST CONCRETE, FORMED USING VARIOUS TYPES OF SAND, AGGREGATES, INTEGRAL PIGMENTATIONS IF REQUIRED, AND PORTLAND CEMENTS.
 - MANUFACTURER SHALL HAVE A MINIMUM OF 5 YEARS' EXPERIENCE PROVIDING POOL PRE-CAST POOL COPINGS.
 - PRODUCT SHALL SATISFY THE FOLLOWING MATERIAL REQUIREMENTS, BASED ON RELEVANT ASTM PROCEDURES:
 - 28-DAY COMPRESSIVE STRENGTH, NOT LESS THAN 5,000 PSI.
 - AIR ENTRAINMENT, 6% +/- 2%.
 - DURABLE FOR NOT LESS THAN 300 FREEZE THAW CYCLES.
 - EACH STRAIGHT-RUN PIECE SHALL BE NOT LESS THAN 24" IN LENGTH.
 - BID PRICE SHALL INCLUDE MANUFACTURER'S STANDARD SELECTION OF COLORS AND TEXTURES FOR OWNER'S SELECTION. CONTRACTOR SHALL SUBMIT SAMPLES FOR OWNER'S EXAMINATION.
 - COPING ON FRONT FACE TOP OF WALL SHALL PROVIDE A RAISED BULL NOSE LIKE THAT INDICATED. BULL NOSE IS NOT ALLOWED ON ZERO DEPTH ENTRIES. THE STONE PROFILE SHALL BE APPROVED BY THE PERMITTING AUTHORITY PRIOR TO MANUFACTURE.
 - MANUFACTURER SHALL PROVIDE TRANSITIONAL PIECES INCLUDING INSIDE AND OUTSIDE CORNERS AND/OR MITERS, AND PROFILE TRANSITIONS FROM RAISED BULL NOSE TO LEVEL (AT STAIR ENTRIES).
 - TOP SURFACE OF COPING SHALL HAVE A SLIP RESISTANT SURFACE, HAVING A DYNAMIC COEFFICIENT OF FRICTION PER ANSI A326.3 OF NOT LESS THAN 0.6 WHEN WET.

EARTHWORK

- CONTRACTOR SHALL AVOID DISTURBING EXPOSED SUBGRADE MATERIAL DURING THE REMOVAL OF DECK, IF ANY.
- COMPACTION OF EXISTING SUBGRADE SHALL BE INSPECTED AND ACCEPTED BY THE CONTRACTOR'S INDEPENDENT TESTING AND INSPECTING AGENCY IMMEDIATELY PRIOR TO THE PLACEMENT OF BASE COURSE AND/OR CONCRETE REINFORCEMENT.
- SUBGRADE SHALL BE PLACED, AS REQUIRED, TO ACHIEVE GRADE REQUIRED TO RECEIVE NEW DECK. SUBGRADE SHALL BE VIBRATORY COMPACTED WITH A WALK-BEHIND COMPACTOR.
- SUBGRADE MATERIAL SHALL BE A DURABLE, UNIFORM GRADED, ANGULAR QUARRIED OR DREGED ROCK MATERIAL WITH 100% PASSING THE 1" SIEVE, LESS THAN 3% BY WEIGHT PASSING THE #200 SIEVE, AND A COEFFICIENT OF UNIFORMITY BETWEEN 2 AND 4.
- UNPAVED AREAS DISTURBED DURING CONSTRUCTION SHALL BE REPAIRED TO THE OWNER'S SATISFACTION INCLUDING, BUT NOT LIMITED TO, RUT REPAIR, FINE GRADING, DISCING TO LOOSEN SOIL, COMPACTED BY CONSTRUCTION TRAFFIC, TOPSOIL REPLACEMENT, AND SODDING (WHERE EXISTING TURF IS 80% OR LESS COVERAGE) AND OVERSEEDING/ FERTILIZING WHERE EXISTING TURF PROVIDE MORE THAN 80% COVERAGE.

APPLICABLE CODES

BUILDING CODE OF NEW YORK STATE (IBC 2018 AMENDED), CHAPTER 3109.....	2020
NYS PLUMBING CODE (IPC 2018 AMENDED).....	2020
NYS ENERGY CODE (IECC 2018 AMENDED).....	2020
NEW YORK STATE ACCESSIBILITY CODE (ICC/ANSI A117.1 2009).....	2009
2010 ADA STANDARDS.....	2010
NEW YORK STATE ELECTRICAL CODE (NFA 70 2017), ARTICLE 680.....	2017
NEW YORK STATE SANITARY CODE, NYCRR PART 6, SUBPART 6-1 PUBLIC SWIMMING POOLS.....	2011
WESTCHESTER COUNTY SANITARY CODE, CHAPTER 873, ARTICLE XII.....	2024
ANSI/APSP/ICC-16 STANDARD FOR SUCTION OUTLET FITTING ASSEMBLIES.....	2017

DESIGN PROFESSIONAL'S SEAL:

- THESE DRAWINGS HAVE BEEN PREPARED FOR EXCLUSIVE USE FOR THE CLIENT AND ARE NOT INTENDED FOR ANY OTHER PURPOSE. TO THE BEST OF MY KNOWLEDGE, THESE DRAWINGS MEET THE REQUIREMENTS SET FORTH BY THE WESTCHESTER COUNTY DEPARTMENT OF HEALTH (DOH).
- THE POOL ALTERATIONS THAT ARE INCORPORATED INTO THESE DRAWINGS MUST BE CONSTRUCTED IN STRICT ACCORDANCE WITH THE APPROVED DRAWINGS. ALL CHANGES MUST HAVE WRITTEN APPROVAL FROM WESTON & SAMPSON AND DOH PRIOR TO SUCH CHANGE OR ALTERATION BEING IMPLEMENTED.
- POOL SHALL MEET AND EXCEED THE MINIMUM STANDARDS FOR SWIMMING POOLS AS SET BY STATE SANITARY CODE PART 6, SUBPART 6-1 SWIMMING POOLS
- ONLY DRAWINGS FROM WESTON & SAMPSON THAT ARE MARKED "FOR CONSTRUCTION" SHALL BE USED FOR THE POOL CONSTRUCTION IMPLEMENTATION.

DEFINITIONS:

- CONTRACTOR: PERSON OR ENTITY AUTHORIZED TO CONSTRUCT, INSTALL AND OPERATE A COMMERCIAL POOL, SPA AND THEIR APPURTENANCES.
- CRITICAL: THIS WORD DESCRIBES DIMENSIONS THAT SHALL NOT BE SUBJECT TO DEVIATION OR ERRORS FOR ANY REASON. VIOLATION OF A CRITICAL DIMENSION MIGHT SUBJECT THE POOL TO A POTENTIAL VARIANCE ACTION OR A PERMANENT WITHHOLDING OF A FUTURE OPERATING CERTIFICATE. WESTON & SAMPSON CONSIDERS ALL DIMENSIONS CONTAINED WITH THE DRAWINGS AS VITAL; HOWEVER, THE WORD CRITICAL IS ADDED TO ATTRACT THE ATTENTION OF THE CONTRACTOR.
- POOL: THE USE OF THE WORD POOL WITHIN THESE NOTES REFERS TO ALL AQUATIC FEATURES. PROVIDE WRITTEN QUESTIONS TO THE ENGINEER FOR CLARIFICATIONS.
- PROVIDE: OBTAIN, PURCHASE, SUPPLY, INSTALL AND WARRANTY COMPLETELY IN ACCORDANCE WITH ALL CODES, RULES, REGULATIONS AND THE REQUIREMENTS OF THE DRAWINGS AND TECHNICAL SPECIFICATIONS.
- RAIL: REFERS TO A HANDRAIL, LADDER, OR GRAB RAIL LOCATED AT A POOL. IT PROVIDES BATHER SUPPORT ASSISTANCE WHEN ENTERING OR EXITING A POOL.
- SLIP-RESISTANT: A HORIZONTAL, NON-SKID TEXTURED SURFACE WITH A COEFFICIENT OF FRICTION RATED AT A MINIMUM 0.6. THE RESPONSIBILITY FOR VERIFICATION AND CONFIRMATION OF COMPLIANCE WITH THIS FRICTION REQUIREMENT IS SOLELY THAT OF THE CONTRACTOR. CERTIFIED MANUFACTURER BROCHURES MAY BE SUBMITTED TO WESTON & SAMPSON FOR APPROVAL. THE TERM "NON-SLIP" SHALL BE CONSIDERED THE SAME AS "SLIP-RESISTANT".
- DEMOLISH: REMOVE AND LEGALLY DISPOSE OF.
- REPLACE: REMOVED AND DISPOSE OF EXISTING AND INSTALL NEW.

GENERAL SITE NOTES:

- ALL AREAS DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED IN ACCORDANCE WITH THE SPECIFICATIONS AND AS SHOWN ON THE DRAWINGS.
- ALL AREAS DISTURBED BY THE CONTRACTOR BEYOND CONTRACT LIMITS SHALL BE RESTORED AT NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR SHALL NOT STORE ANY APPARATUS, MATERIALS, SUPPLIES, OR EQUIPMENT ON DRAINAGE STRUCTURES OR WITHIN 100 FEET OF WETLANDS.

BIDDING NOTES:

- DRAWINGS ARE APPROXIMATE AND MAY NOT FULLY CAPTURE EXISTING CONDITIONS. CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH EXISTING CONDITIONS, FEATURES, SITE ACCESS, AND IMPEDIMENTS TO WORK PRIOR TO THE SUBMISSION OF BID. BIDDERS SHALL COORDINATE SITE ACCESS WITH OWNER.
- THE SCOPE OF WORK SHALL BE ORGANIZED AS FOLLOWS:
 - BASE SCOPE - MAIN POOL AND DIVING POOL COPING REPLACEMENT OPTION 1 (PAINTED CONCRETE).
 - BASE SCOPE ALTERNATE 1A - MAIN POOL AND DIVING POOL COPING REPLACEMENT OPTION 2A (PRECAST & FIBERGLASS GRATING).
 - BASE SCOPE ALTERNATE 1B - MAIN POOL AND DIVING POOL COPING REPLACEMENT OPTION 2B (STONE & FIBERGLASS GRATING).
 - BASE SCOPE ALTERNATE 1C - MAIN POOL AND DIVING POOL COPING REPLACEMENT OPTION 3 (STAINLESS STEEL & HDPE GRATING).
 - ALTERNATE SCOPE - WADING POOL AND ACTIVITY POOL FINISH REPLACEMENT OPTION 1 (PAINTED CONCRETE).
 - ALTERNATE SCOPE ALTERNATE 2A - WADING POOL AND INTERACTIVE POOL FINISH REPLACEMENT OPTION 2A (PRECAST & FIBERGLASS GRATING).
 - ALTERNATE SCOPE ALTERNATE 2B - WADING POOL AND INTERACTIVE POOL FINISH REPLACEMENT OPTION 2B (STONE & FIBERGLASS GRATING).
 - ALTERNATE SCOPE ALTERNATE 2C - WADING POOL AND INTERACTIVE POOL FINISH REPLACEMENT OPTION 3 (HDPE GRATING).
- PRODUCT/MANUFACTURER SUBSTITUTIONS ARE NOT PERMITTED.

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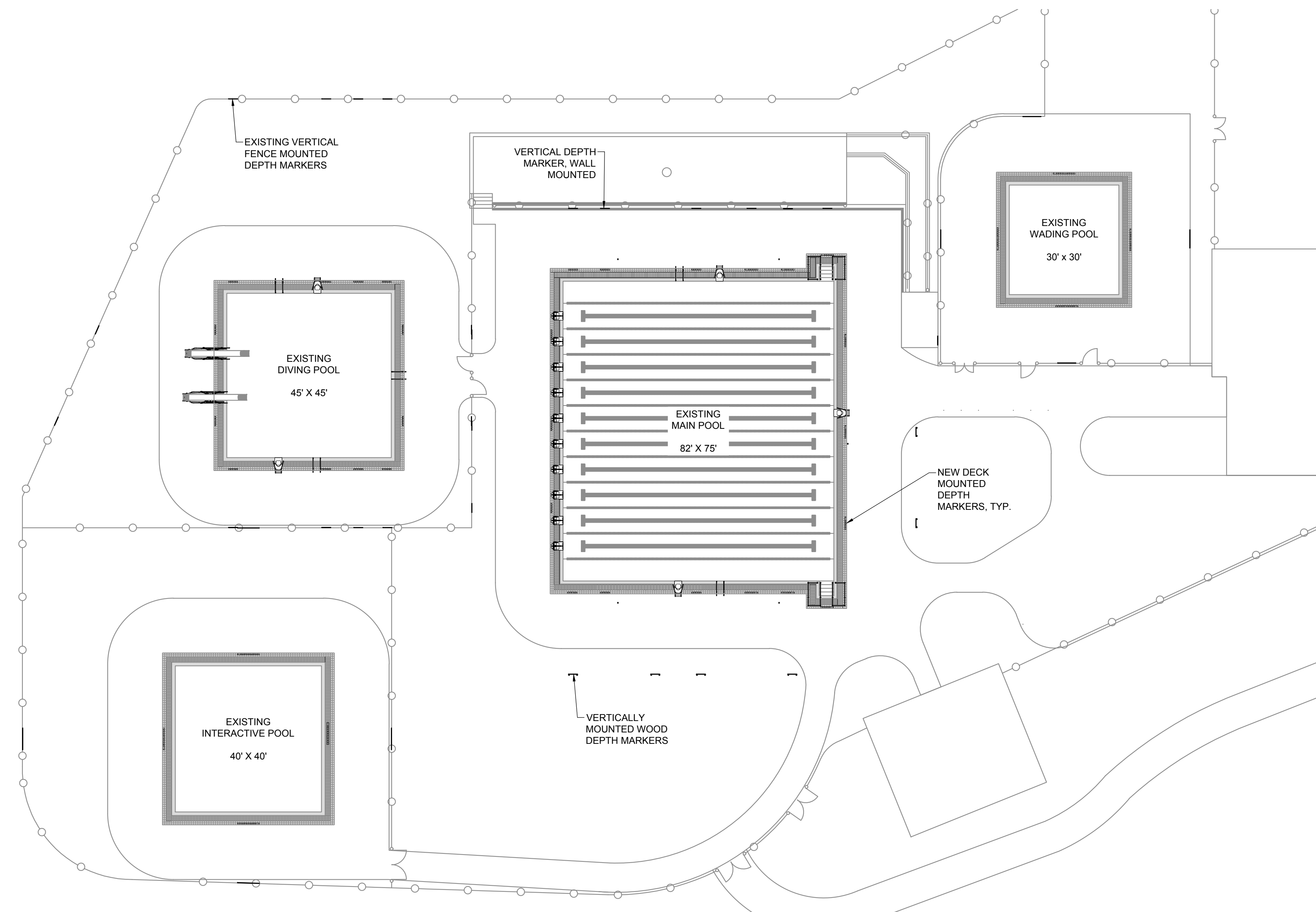
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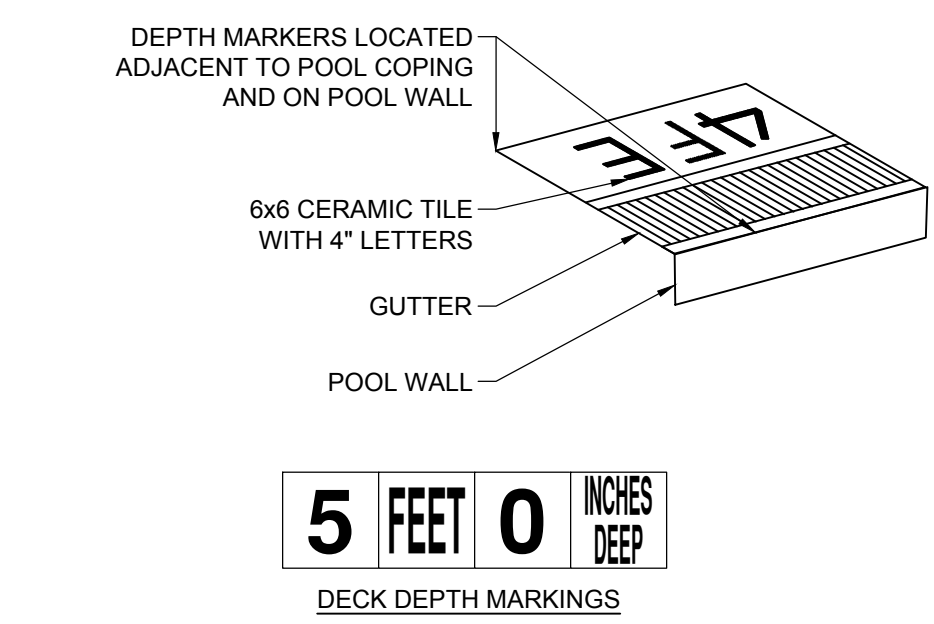
SITE PLAN

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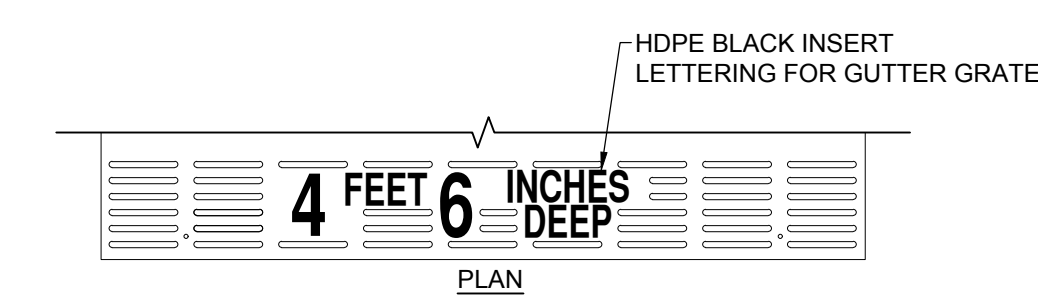
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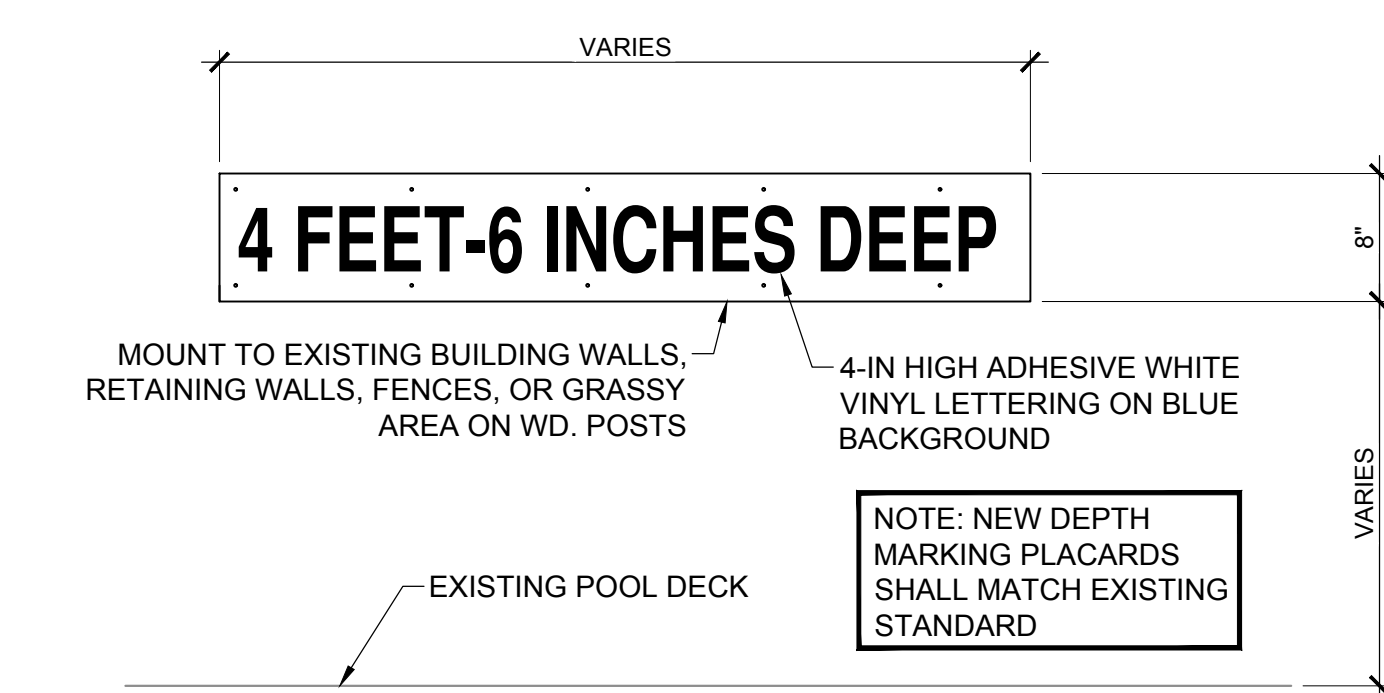
1 SITE DEPTH MARKING PLAN
1" = 20'-0"



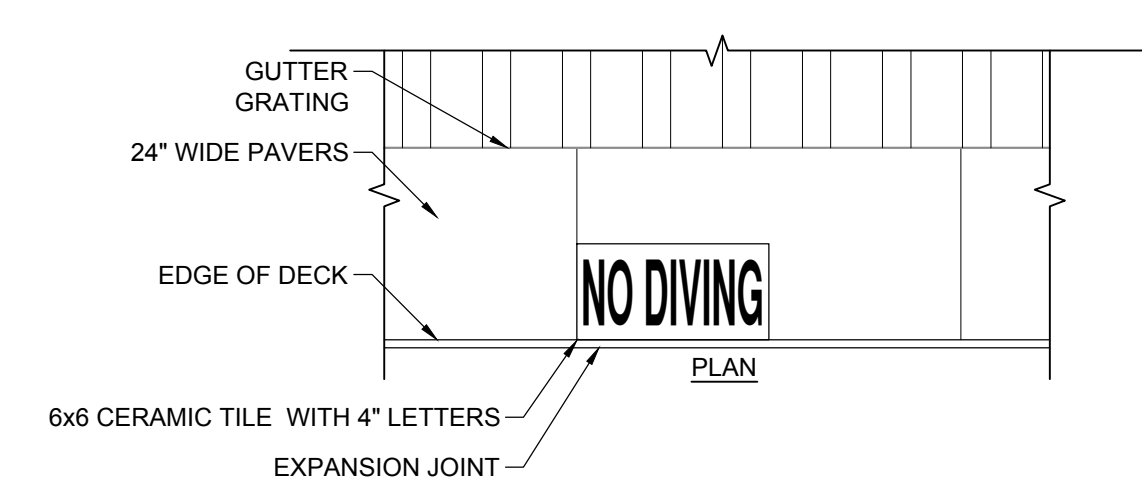
2 OPTIONS 1 & 2 DEPTH MARKER
NOT TO SCALE



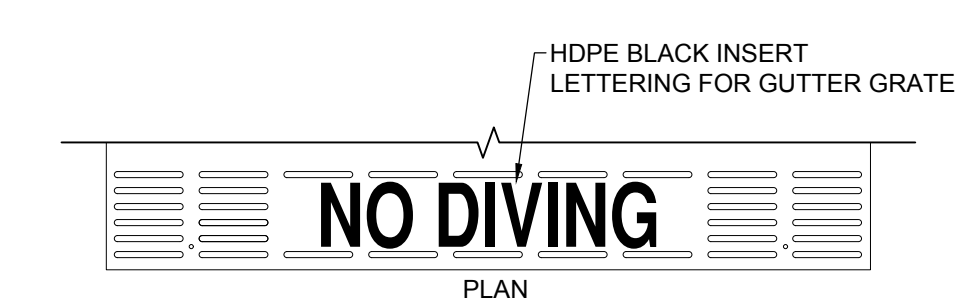
3 OPTION 3 DEPTH MARKER
NOT TO SCALE



4 TYPICAL VERTICAL DEPTH MARKER
1" = 1'-0"



5 OPTIONS 1 & 2 NO DIVING MARKER
1" = 1'-0"



6 OPTION 3 NO DIVING MARKER
NOT TO SCALE

- DEPTH MARKER NOTES:**
1. ALL EXISTING MOSAIC TILE HORIZONTAL DEPTH MARKERS SHALL BE REPLACED AS PART OF THE SCOPE OF WORK FOR EACH POOL. DEPTH MARKINGS SHALL BE PLACED TO MAINTAIN A MAXIMUM 25-FOOT SPACING BETWEEN ALL MARKINGS. THE LETTERING SHALL BE A CONTRASTING COLOR TO THE BACKGROUND.
 2. EACH DEPTH MARKING AND "NO DIVING" MARKING LOCATED ON THE DECK SURFACE SHALL BE OF A SLIP-RESISTANT MATERIAL AND BE CONTRASTING IN COLOR.
 3. THE MINIMUM LETTER HEIGHT OF EACH DEPTH MARKING SHALL BE 4-INCHES.
 4. PROVIDE 4-INCH HIGH "NO DIVING" MARKINGS (NON-SLIP) TO BE LOCATED ON THE DECK EVERY 25-FOET AROUND THE POOL.
 5. ALL DEPTH MARKINGS SHALL BE LOCATED TO ACCURATELY DEPICT THE ACTUAL WATER DEPTH WITHIN 1/2-INCHES. PROPER DETERMINATION OF THIS RULE COMPLIANCE SHALL REQUIRE MEASURING THE WATER DEPTH AT A LOCATION 3-FOET HORIZONTAL FROM THE LOCATION OF THE DEPTH MARKING.

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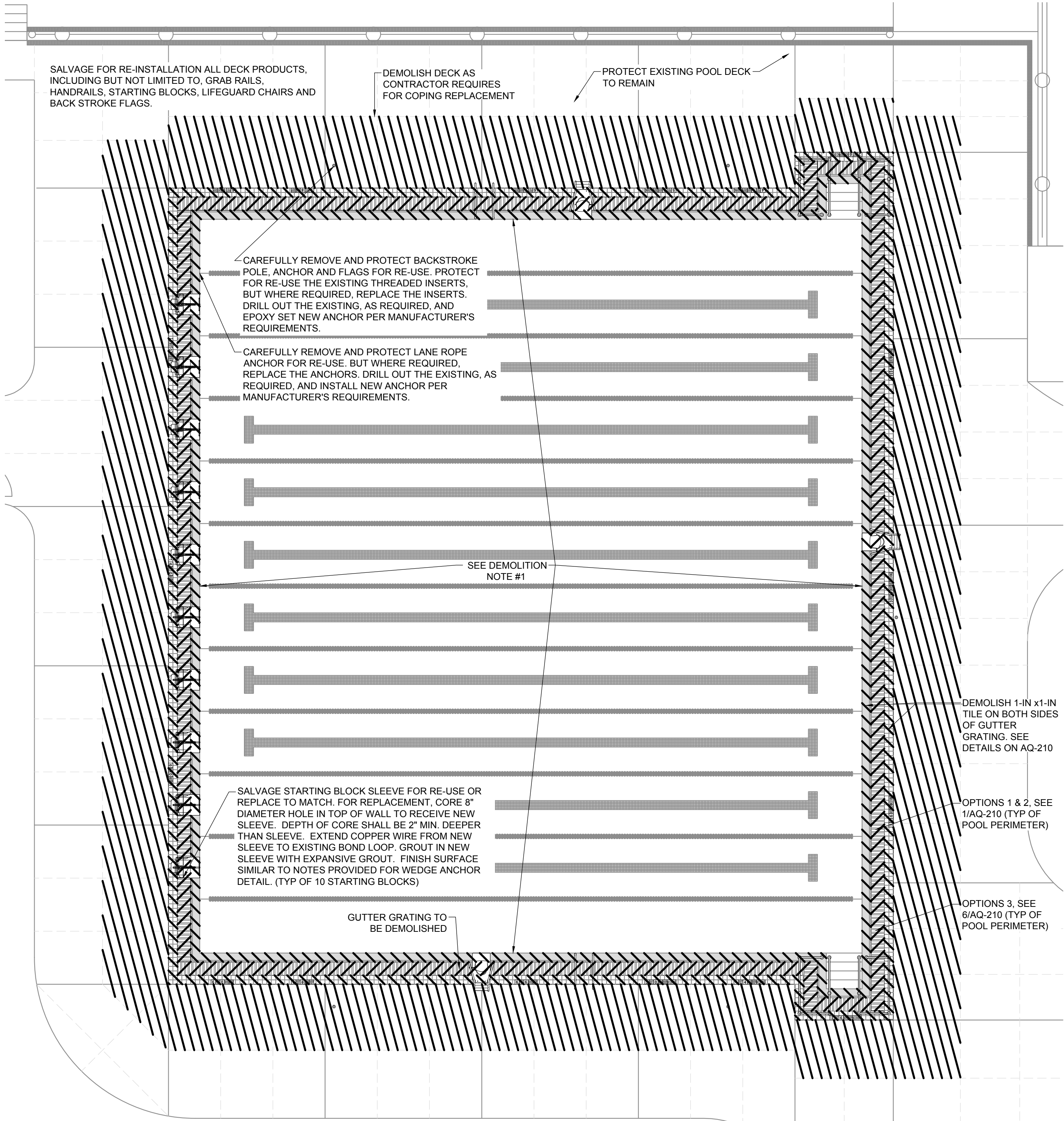
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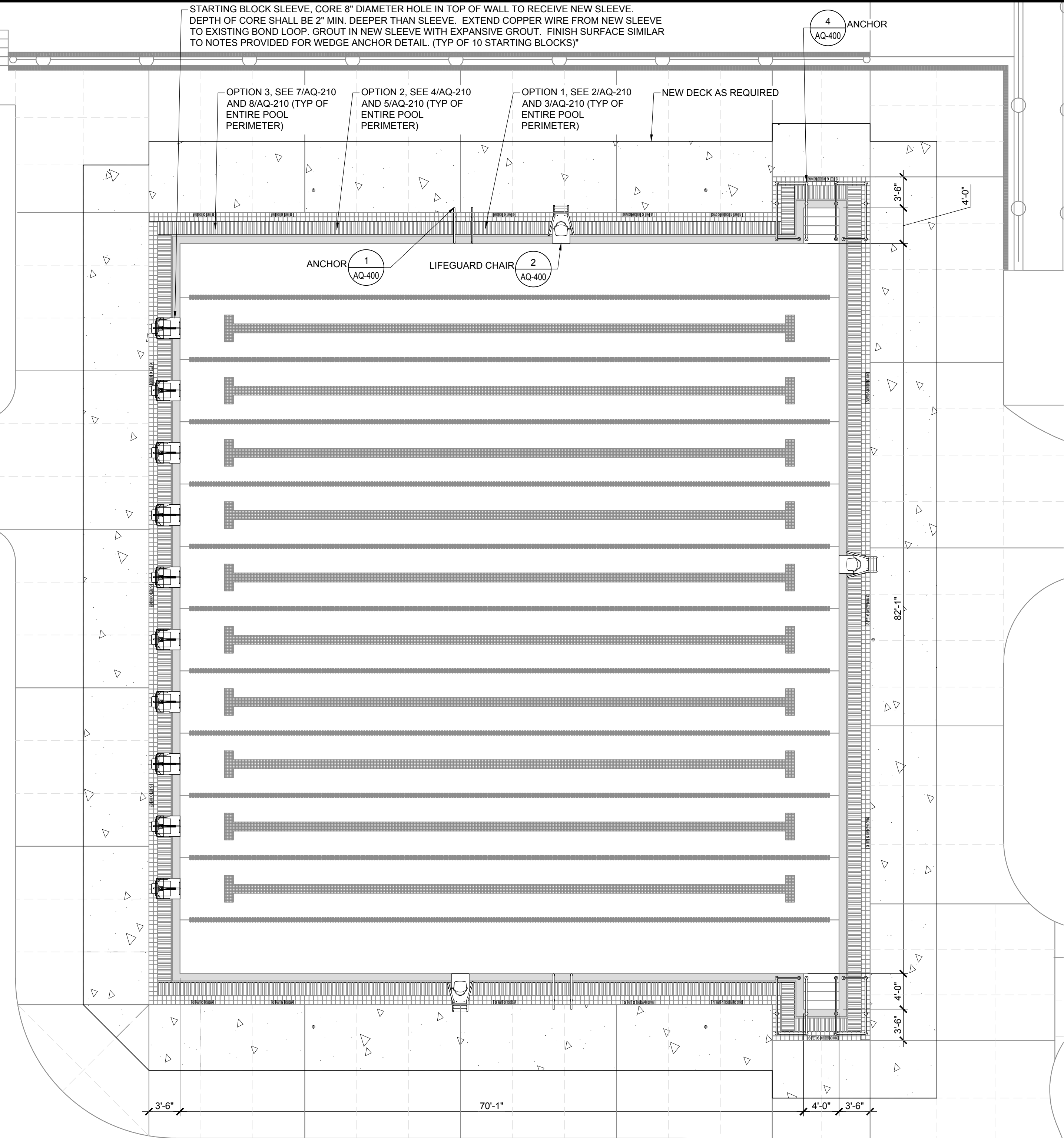
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DEPTH MARKER PLAN

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AQ-100

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1 MAIN POOL DEMO PLAN
1/8" = 1'-0"



2 MAIN POOL CONSTRUCTION PLAN
1/8" = 1'-0"

DEMOLITION:

- LIMITS OF CONCRETE REMOVAL FOR EXPOSED SURFACES SHALL BE SAWCUT FULL DEPTH.
- CONTRACTOR IS RESPONSIBLE FOR REMOVAL STORAGE OF ALL FIXTURES, FITTINGS, AND EQUIPMENT. COORDINATE USE OF SITE FOR STORAGE WITH OWNER.
- CONTRACTOR SHALL REMOVE ALL TILE FINISH AT POOL COPING AND DECK AREAS AS INDICATED.
- CONTRACTOR SHALL TAKE CARE DURING DEMOLITION AND REMOVAL ACTIVITIES SUCH THAT ALL WORK TO REMAIN IS PROTECTED.
- WHERE PERMITTED, CLEAN SOILS AND CLEAN CONSTRUCTION CONCRETE MAY BE REPURPOSED.
- OWNER AFFIRMS, TO THE BEST OF THEIR KNOWLEDGE AND BASED ON THEIR KNOWLEDGE OF THE AGE AND CHARACTER OF THE CONSTRUCTION, THAT THERE IS NO LEAD BASED PAINT, ASBESTOS CONTAINING MATERIALS, OR OTHERWISE HAZARDOUS MATERIALS CONTAINED WITHIN THE SCOPE OF THE DEMOLITION WORK.
- CONTRACTOR SHALL SUBMIT A WASTE DISPOSAL PLAN DOCUMENTING THE TYPES OF MATERIALS TO BE REMOVED AND FACILITIES LOCATIONS SAID MATERIAL WILL BE DEPOSITED. CONTRACTOR IS RESPONSIBLE FOR CLASSIFYING REMOVED MATERIALS BY THEIR WASTE CATEGORY PER STATE AND LOCAL REGULATIONS.
- ALL WASTE MATERIALS OTHER THAN CLEAN SOILS OR QUALIFYING CLEAN CONCRETE SHALL BE PROPERLY DISPOSED OF IN A PERMITTED WASTE OR RECOVERY FACILITY, WHERE PERMITTED.
- CONTRACTOR SHALL SUBMIT DOCUMENTATION FROM EACH WASTE OR RECOVERY FACILITY THE RECEIPT OF WASTE.
- EXISTING ELECTRICAL BONDING LOOP.
 - COORDINATE WITH ELECTRICIAN PRIOR TO BEGINNING DEMOLITION.
 - EXPOSE AND PROTECT LENGTHS OF EXISTING CONCRETE REINFORCEMENT, ADEQUATE TO RECEIVE BONDING LUGS, FOR EXTENSION OF THE EXISTING BONDING LOOP.
 - PROTECT BOND LOOP WIRES AND BOND WIRE CONNECTIONS, WHERE ENCOUNTERED.
- REFER TO DETAILS SHEETS FOR EXTENT OF CONCRETE DEMOLITION.

GENERAL CONSTRUCTION REQUIREMENTS:

- CONTRACTOR TO COORDINATE WITH THE OWNER OR OWNER'S REPRESENTATIVE FOR CONTRACTOR STAGING OF MATERIALS, PARKING AND ACCESS TO POOL FACILITY CONSTRUCTION.
- CONTRACTOR SHALL COORDINATE DISCHARGE OF POOL PRIOR TO CONSTRUCTION WITH OWNER OR OWNER'S REPRESENTATIVE AND LOCAL HEALTH DEPARTMENT.

DECKING NOTES:

- PROVIDE EXPANSION JOINTS TO COMPLY WITH THE FOLLOWING MINIMUM STANDARDS:
 - PROVIDE EXPANSION JOINTS (5/8-INCH WIDE) BETWEEN POOL BEAM AND POOL DECK.
 - INSTALL ALL MATERIALS IN STRICT ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS AND GUIDANCE.
- FINALIZE ALL DECK ELEVATIONS AT THE PROJECT SITE TO ALLOW FOR A SMOOTH, EVEN TRANSITION TO ADJACENT ELEVATIONS FOR OTHER STRUCTURES AND APPURTENANCES. PROVIDE THIS ENGINEER A WRITTEN NOTICE OF ANY CHANGES OR REVISIONS NEEDED FOR DRAWING AND DOH COMPLIANCE.
- SLOPE ALL DECKING AWAY FROM THE POOL AT 2% (1/4 INCH PER FOOT) TOWARDS THE SITE OR DEDICATED DRAINS. ALL DECKING SHALL BE SLIP-RESISTANT CONCRETE DECK WITH BROOM SWEEP FINISH.

CONCRETE:

- CONTRACTOR SHALL SUBMIT TO THE ENGINEER A MINIMUM OF 21 DAYS PRIOR TO THE POUR THE PROPOSED METHOD OF CURING THE PLACED SHELL.
- FORM MATERIALS:
 - FORMS: FORM FACING PANELS THAT WILL PROVIDE CONTINUOUS, STRAIGHT, SMOOTH, CONCRETE SURFACES. FURNISH PANELS IN LARGEST PRACTICABLE SIZES TO MINIMIZE NUMBER OF JOINTS.

STRUCTURAL NOTES AND RESTRICTIONS:

- PROVIDE ALL REINFORCING STEEL (NEW AND FREE FROM RUST OR SCALE) WITHIN THE POOLS AS:
 - GRADE #60 BLACK, #4 REBAR, UNLESS OTHERWISE NOTED.
 - REBARS SHALL BE SPACED AT 12-IN O.C.E.W., UNLESS OTHERWISE NOTED.
 - TIE ALL REBARS AT ALTERNATE INTERSECTIONS.
 - MINIMUM OVERLAP FOR ALL REBARS SHALL BE 40-BAR DIAMETERS OR 15-INCHES (WHICHEVER IS GREATER).
- COVER ALL REINFORCING STEEL WITH A MINIMUM 3-INCHES OF CONCRETE.
- THE POOL STRUCTURE SHALL BE 4,500-PSI CONCRETE AT 28 DAYS. THE CONCRETE MIX DESIGN SHALL PROVIDE A 0.45 WATER/CEMENT RATIO AND CONTAIN NO ADMIXTURES UNLESS PRE-APPROVED BY THIS ENGINEER.
SLUMP OF CONCRETE, MINIMUM 1-INCH, MAXIMUM 3 INCHES
WALLS: 4-INCH
FLOOR: 3-INCHES
SLAB-ON-METAL FORMS: 3-INCHES
- THE CONCRETE REPAIR AREAS SHALL BE MAINTAINED IN A DAMPENED OR WATER-IMMERSED CONDITION FOR A MINIMUM 7-DAYS AFTER PLACEMENT TO ASSIST IN PROVIDING PROPER CURING.
- PROVIDE A WATER-TIGHT, LEAK-PROOF STRUCTURE. IN ACCOMPLISHING A WATER-TIGHT STRUCTURE, PROVIDE THE FOLLOWING PROCEDURES AND PRACTICES:
 - FILL AROUND EACH FITTING AND NICHE WITH A NON-SHRINK, EXPANSIVE GROUT.
 - AVOID HONEYCOMBING. ANY HONEYCOMBING DISCOVERED SHALL BE CHIPPED, CLEANED AND CORRECTED AS REQUIRED BY PROJECT ARCHITECT OR ENGINEER.

POOL EQUIPMENT AND FINISHES SCHEDULE			
RECIRCULATION EQUIPMENT			
ITEM	MANUFACTURER	CAT NO.	DESCRIPTION
GRATING - OPTIONS 1 & 2	McNICHOLS	MS-WT-1810 - DURAGRIT	PULTRUDED, WIDE T-BAR, ADA, FIBERGLASS, SPF POLYESTER RESIN, WHITE, 1,000" HEIGHT X 1,625" TOP FLANGE WIDTH WIDE T-BAR, FINE GRIT SURFACE, 18% OPEN AREA. PROVIDE ALL SPLICES, SS FASTENERS, TRIM AND ACCESSORIES FOR A COMPLETE INSTALLATION. WET DCOF: >0.42.
GRATING - OPTION 3	PADDOCK	8000420	1" TK. HEBE GRATING WITH INTEGRAL CONTRASTING DEPTH MARKINGS. COLOR: WHITE. WET DCOF: 0.42. PROVIDE ALL SPLICES, SS FASTENERS, TRIM AND ACCESSORIES FOR A COMPLETE INSTALLATION.
COPING - OPTION 1	TNEMEC	SEE SPEC.	2-PART EPOXY PAINT SYSTEM, AS SPECIFIED. HEAVY BROOM FINISH ON CONCRETE FOR TRACTION.
COPING - OPTION 2A	WAUSAU	SAFETY EDGE	2" TK. X 24"L PRECAST COPING WITH RAISED HANDHOLD PROFILE. CUSTOM WIDTH PER DETAILS. COLOR: STANDARD WHITE.
COPING - OPTION 2B	GRANIGRATE	HANDHOLD	2" TK. X 24"L GRANITE COPING WITH RAISED HANDHOLD PROFILE. CUSTOM WIDTH PER DETAILS. COLOR: PEARL WHITE.
COPING - OPTION 3	PADDOCK	SPECIAL ORDER	316L 12 GA. STAINLESS STEEL ENDCAP AND SKIRT, FULLY WELDED SEAMS.

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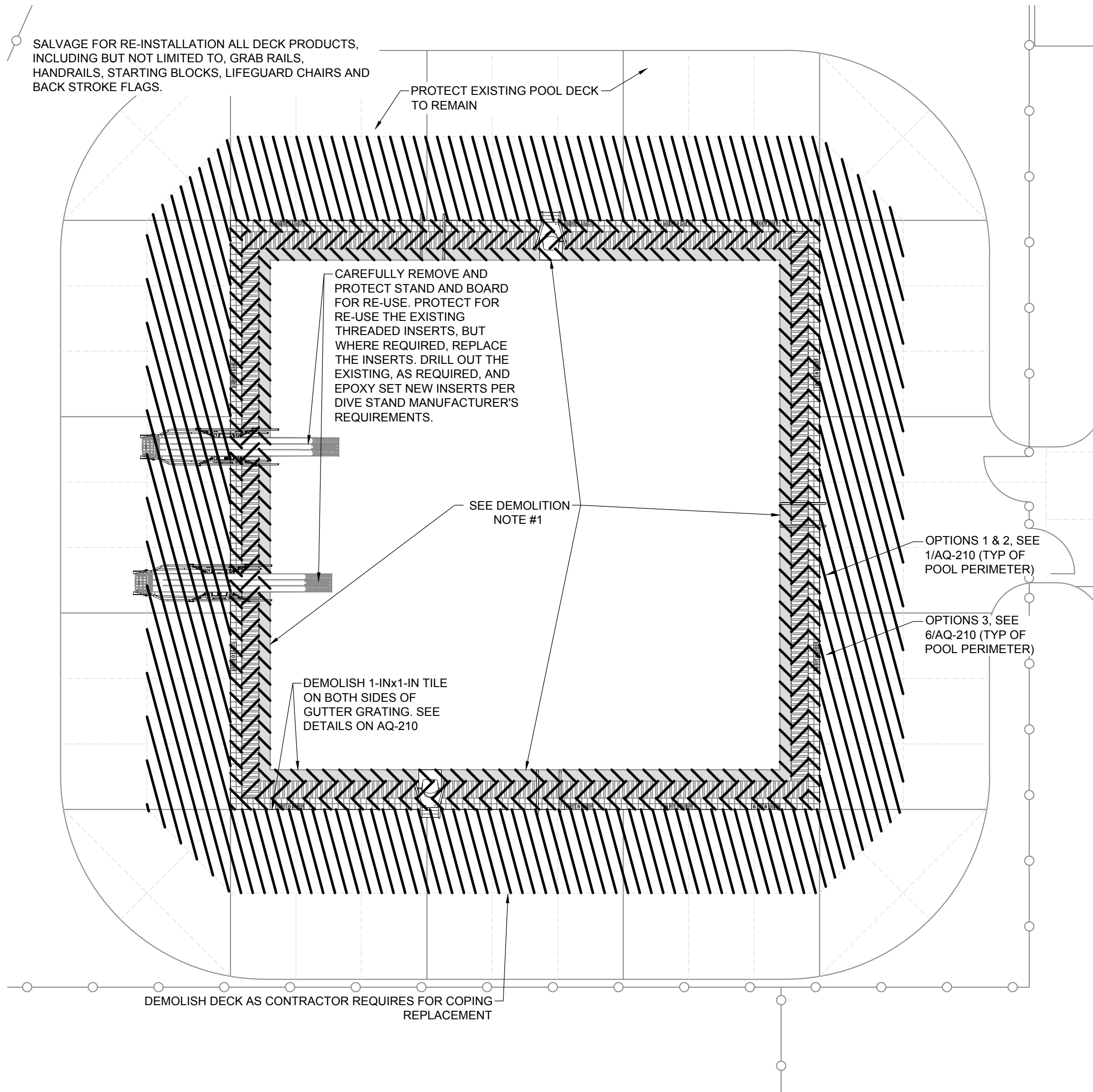
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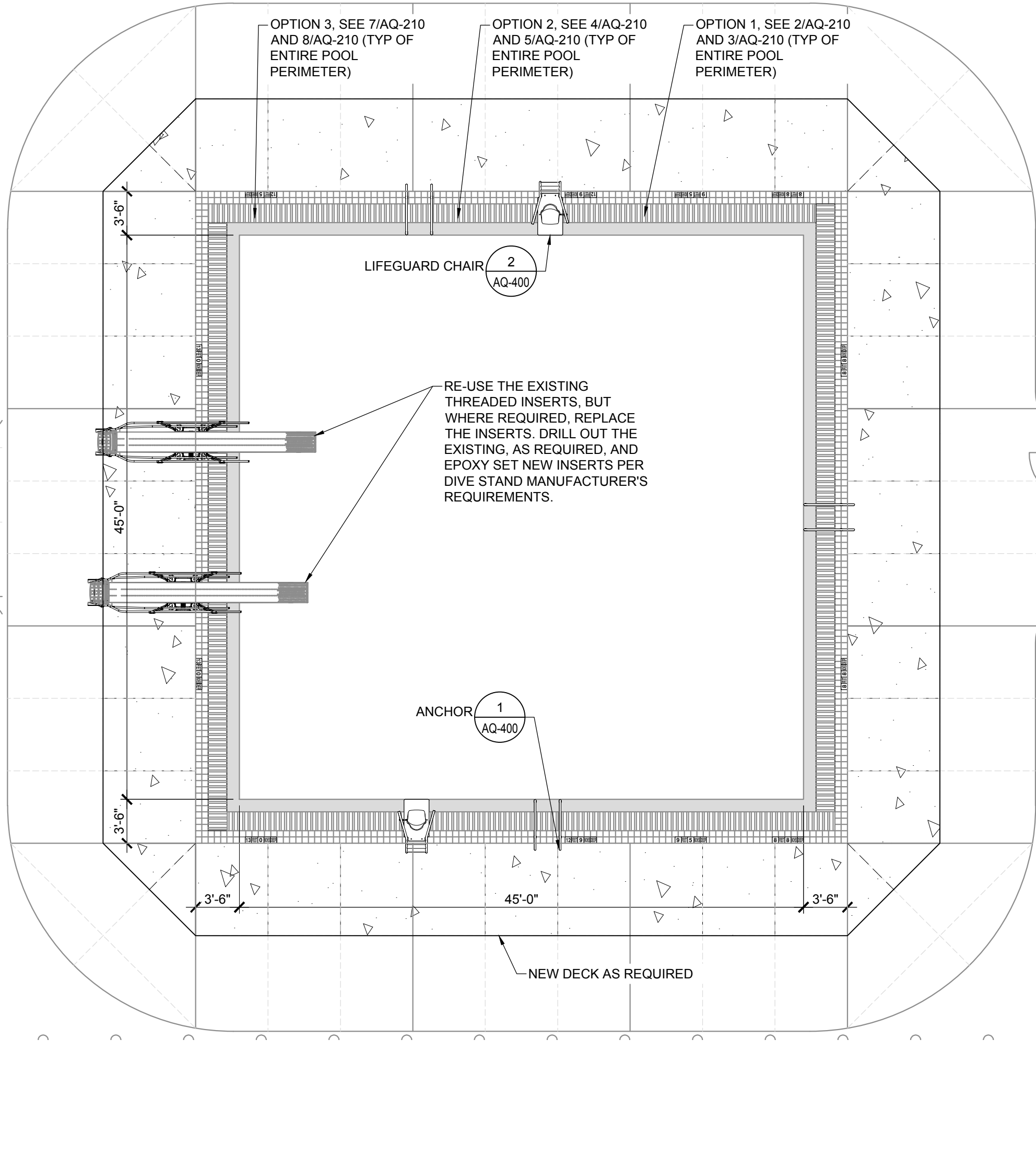
DEMO AND CONSTRUCTION PLANS - BASE SCOPE

Sheet Number:

AQ-200



1 DIVING POOL DEMO PLAN
1/8" = 1'-0"



2 DIVING POOL CONSTRUCTION PLAN
1/8" = 1'-0"

DEMOLITION:

1. LIMITS OF CONCRETE REMOVAL FOR EXPOSED SURFACES SHALL BE SAWCUT FULL DEPTH.
2. CONTRACTOR IS RESPONSIBLE FOR REMOVAL STORAGE OF ALL FIXTURES, FITTINGS, AND EQUIPMENT. COORDINATE USE OF SITE FOR STORAGE WITH OWNER.
3. CONTRACTOR SHALL REMOVE ALL TILE FINISH AT POOL COPING AND DECK AREAS AS INDICATED.
4. CONTRACTOR SHALL TAKE CARE DURING DEMOLITION AND REMOVAL ACTIVITIES SUCH THAT ALL WORK TO REMAIN IS PROTECTED.
5. WHERE PERMITTED, CLEAN SOILS AND CLEAN CONSTRUCTION CONCRETE MAY BE REPURPOSED.
6. OWNER AFFIRMS, TO THE BEST OF THEIR KNOWLEDGE AND BASED ON THEIR KNOWLEDGE OF THE AGE AND CHARACTER OF THE CONSTRUCTION, THAT THERE IS NO LEAD BASED PAINT, ASBESTOS CONTAINING MATERIALS, OR OTHERWISE HAZARDOUS MATERIALS CONTAINED WITHIN THE SCOPE OF THE DEMOLITION WORK.
7. CONTRACTOR SHALL SUBMIT A WASTE DISPOSAL PLAN DOCUMENTING THE TYPES OF MATERIALS TO BE REMOVED AND FACILITIES LOCATIONS SAID MATERIAL WILL BE DEPOSITED. CONTRACTOR IS RESPONSIBLE FOR CLASSIFYING REMOVED MATERIALS BY THEIR WASTE CATEGORY PER STATE AND LOCAL REGULATIONS.
8. ALL WASTE MATERIALS OTHER THAN CLEAN SOILS OR QUALIFYING CLEAN CONCRETE SHALL BE PROPERLY DISPOSED OF IN A PERMITTED WASTE OR RECOVERY FACILITY, WHERE PERMITTED.
9. CONTRACTOR SHALL SUBMIT DOCUMENTATION FROM EACH WASTE OR RECOVERY FACILITY THE RECEIPT OF WASTE.
10. EXISTING ELECTRICAL BONDING LOOP:
 - A. COORDINATE WITH ELECTRICIAN PRIOR TO BEGINNING DEMOLITION.
 - B. EXPOSE AND PROTECT LENGTHS OF EXISTING CONCRETE REINFORCEMENT, ADEQUATE TO RECEIVE BONDING LUGS, FOR EXTENSION OF THE EXISTING BONDING LOOP.
 - C. PROTECT BOND LOOP WIRES AND BOND WIRE CONNECTIONS, WHERE ENCOUNTERED.
11. REFER TO DETAILS SHEETS FOR EXTENT OF CONCRETE DEMOLITION.

GENERAL CONSTRUCTION REQUIREMENTS:

1. CONTRACTOR TO COORDINATE WITH THE OWNER OR OWNER'S REPRESENTATIVE FOR CONTRACTOR STAGING OF MATERIALS, PARKING AND ACCESS TO POOL FACILITY CONSTRUCTION.
2. CONTRACTOR SHALL COORDINATE DISCHARGE OF POOL PRIOR TO CONSTRUCTION WITH OWNER OR OWNER'S REPRESENTATIVE AND LOCAL HEALTH DEPARTMENT.

STRUCTURAL NOTES AND RESTRICTIONS:

1. PROVIDE ALL REINFORCING STEEL (NEW AND FREE FROM RUST OR SCALE) WITHIN THE POOLS AS:
 - a. GRADE #60 BLACK, #4 REBAR, UNLESS OTHERWISE NOTED.
 - b. REBARS SHALL BE SPACED AT 12-IN O.C. MIN., UNLESS OTHERWISE NOTED.
 - c. TIE ALL REBARS AT ALTERNATE INTERSECTIONS.
 - d. MINIMUM OVERLAP FOR ALL REBARS SHALL BE 40-BAR DIAMETERS OR 15-INCHES (WHICHEVER IS GREATER).
2. COVER ALL REINFORCING STEEL WITH A MINIMUM 3-INCHES OF CONCRETE.
3. THE POOL STRUCTURE SHALL BE 4,500-PSI CONCRETE AT 28 DAYS. THE CONCRETE MIX DESIGN SHALL PROVIDE A 0.45 WATER/CEMENT RATIO AND CONTAIN NO ADMIXTURES UNLESS PRE-APPROVED BY THIS ENGINEER.

SLUMP OF CONCRETE, MINIMUM 1-INCH, MAXIMUM 3 INCHES

WALLS: 4-INCH

FLOOR: 3-INCH

SLAB-ON-METAL FORMS: 3-INCHES
4. THE CONCRETE REPAIR AREAS SHALL BE MAINTAINED IN A DAMPENED OR WATER-IMMERSED CONDITION FOR A MINIMUM 7-DAYS AFTER PLACEMENT TO ASSIST IN PROVIDING PROPER CURING.
5. PROVIDE A WATER-TIGHT, LEAK-PROOF STRUCTURE. IN ACCOMPLISHING A WATER-TIGHT STRUCTURE, PROVIDE THE FOLLOWING PROCEDURES AND PRACTICES:
 - a. FILL AROUND EACH FITTING AND NICHE WITH A NON-SHRINK, EXPANSIVE GROUT.
 - b. AVOID HONEYCOMBING. ANY HONEYCOMBING DISCOVERED SHALL BE CHIPPED, CLEANED AND CORRECTED AS REQUIRED BY PROJECT ARCHITECT OR ENGINEER.

CONCRETE:

1. CONTRACTOR SHALL SUBMIT TO THE ENGINEER A MINIMUM OF 21 DAYS PRIOR TO THE POUR THE PROPOSED METHOD OF CURING THE PLACED SHELL.
2. FORM MATERIALS:
 - A. FORMS: FORM FACING PANELS THAT WILL PROVIDE CONTINUOUS, STRAIGHT, SMOOTH, CONCRETE SURFACES. FURNISH PANELS IN LARGEST PRACTICABLE SIZES TO MINIMIZE NUMBER OF JOINTS.

DECKING NOTES:

1. PROVIDE EXPANSION JOINTS TO COMPLY WITH THE FOLLOWING MINIMUM STANDARDS:
 - a. PROVIDE EXPANSION JOINTS (5/8-INCH WIDE) BETWEEN POOL BEAM AND POOL DECK.
 - b. INSTALL ALL MATERIALS IN STRICT ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS AND GUIDANCE.
2. FINALIZE ALL DECK ELEVATIONS AT THE PROJECT SITE TO ALLOW FOR A SMOOTH, EVEN TRANSITION TO ADJACENT ELEVATIONS FOR OTHER STRUCTURES AND APPURTENANCES. PROVIDE THIS ENGINEER A WRITTEN NOTICE OF ANY CHANGES OR REVISIONS NEEDED FOR DRAWING AND DOH COMPLIANCE.
3. SLOPE ALL DECKING AWAY FROM THE POOL AT 2% (1/4 INCH PER FOOT) TOWARDS THE SITE OR DEDICATED DRAINS. ALL DECKING SHALL BE SLIP-RESISTANT CONCRETE DECK WITH BROOM SWEEP FINISH.

POOL EQUIPMENT AND FINISHES SCHEDULE			
RECIRCULATION EQUIPMENT			
ITEM	MANUFACTURER	CAT NO.	DESCRIPTION
GRATING - OPTIONS 1 & 2	McNICHOLS	MS-WT-1810 - DURAGRID	PULTRUDED, WIDE T-BAR, ADA, FIBERGLASS, SPF POLYESTER RESIN, WHITE, 1.000" HEIGHT X 1.625" TOP FLANGE WIDTH WIDE T-BAR, FINE GRIT SURFACE, 18% OPEN AREA. PROVIDE ALL SPLICES, SS FASTENERS, TRIM AND ACCESSORIES FOR A COMPLETE INSTALLATION. WET DCOF: >0.42
GRATING - OPTION 3	PADDOCK	8000420	1" TK. HDPE GRATING WITH INTEGRAL CONTRASTING DEPTH MARKINGS. COLOR: WHITE. WET DCOF: 0.42. PROVIDE ALL SPLICES, SS FASTENERS, TRIM AND ACCESSORIES FOR A COMPLETE INSTALLATION.
COPING - OPTION 1	TNEMEC	SEE SPEC.	2-PART EPOXY PAINT SYSTEM, AS SPECIFIED. HEAVY BROOM FINISH ON CONCRETE FOR TRACTION.
COPING - OPTION 2A	WAUSAU	SAFETY EDGE	2" TK. X 24"L PRECAST COPING WITH RAISED HANDHOLD PROFILE. CUSTOM WIDTH PER DETAILS. COLOR: STANDARD WHITE.
COPING - OPTION 2B	GRANIGRATE	HANDHOLD	2" TK. X 24"L GRANITE COPING WITH RAISED HANDHOLD PROFILE. CUSTOM WIDTH PER DETAILS. COLOR: PEARL WHITE.
COPING - OPTION 3	PADDOCK	SPECIAL ORDER	31BL 12 GA. STAINLESS STEEL ENDCAP AND SKIRT, FULLY WELDED SEAMS.

UNAUTHORIZED ALTERATION OF, OR ADDITION TO THIS PLAN IS A VIOLATION OF SECTION VII, ARTICLE 145, SECTION 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

Project:
TOWN OF YORKTOWN, NY
SHRUB OAK MEMORIAL PARK
BRIAN J. SLAVIN AQUATIC CENTER
POOL RENOVATION

Weston & Sampson
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1 Winners Circle, Suite 130
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Consultants:

Revisions:		
No.	Date	Description

COA:

Seal:

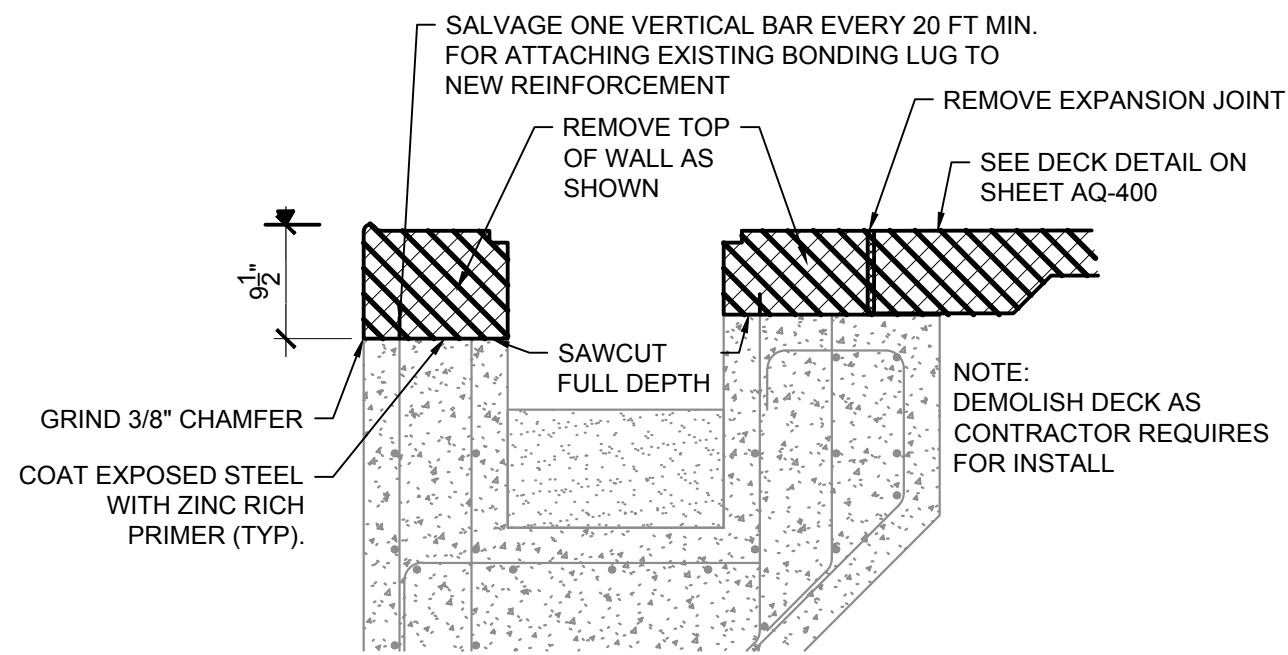
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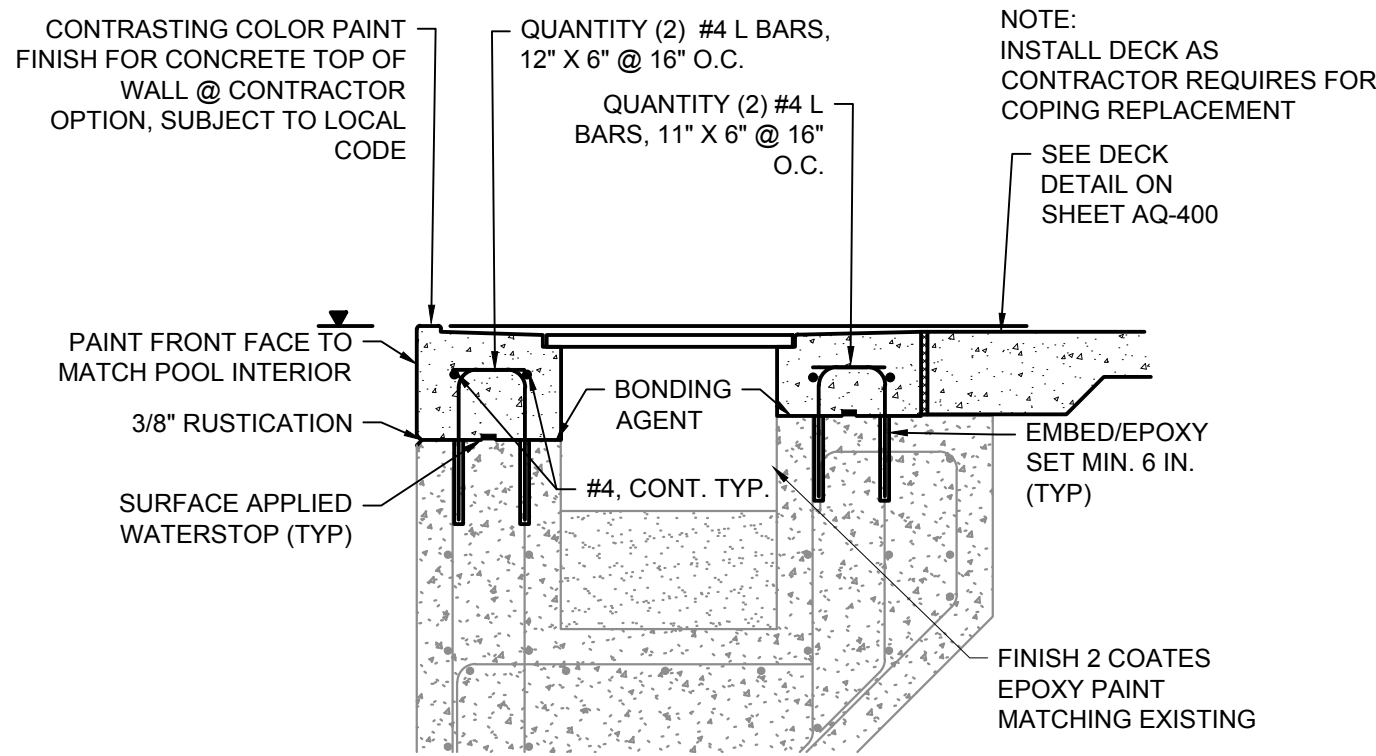
Date: 04/07/2025
Drawn By: SAA
Reviewed By: ADS
Approved By: PJB
W&S Project No.: ENG24-1681
W&S File No.:

Drawing Title:
DEMO AND CONSTRUCTION PLANS - BASE SCOPE

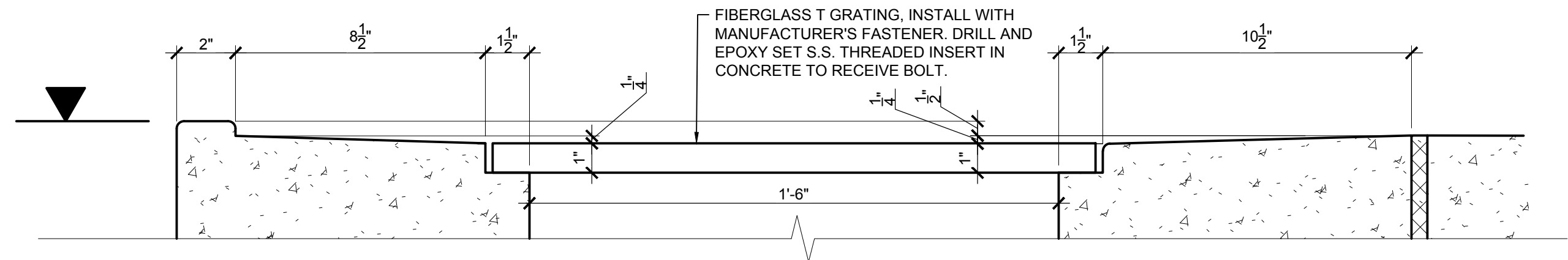
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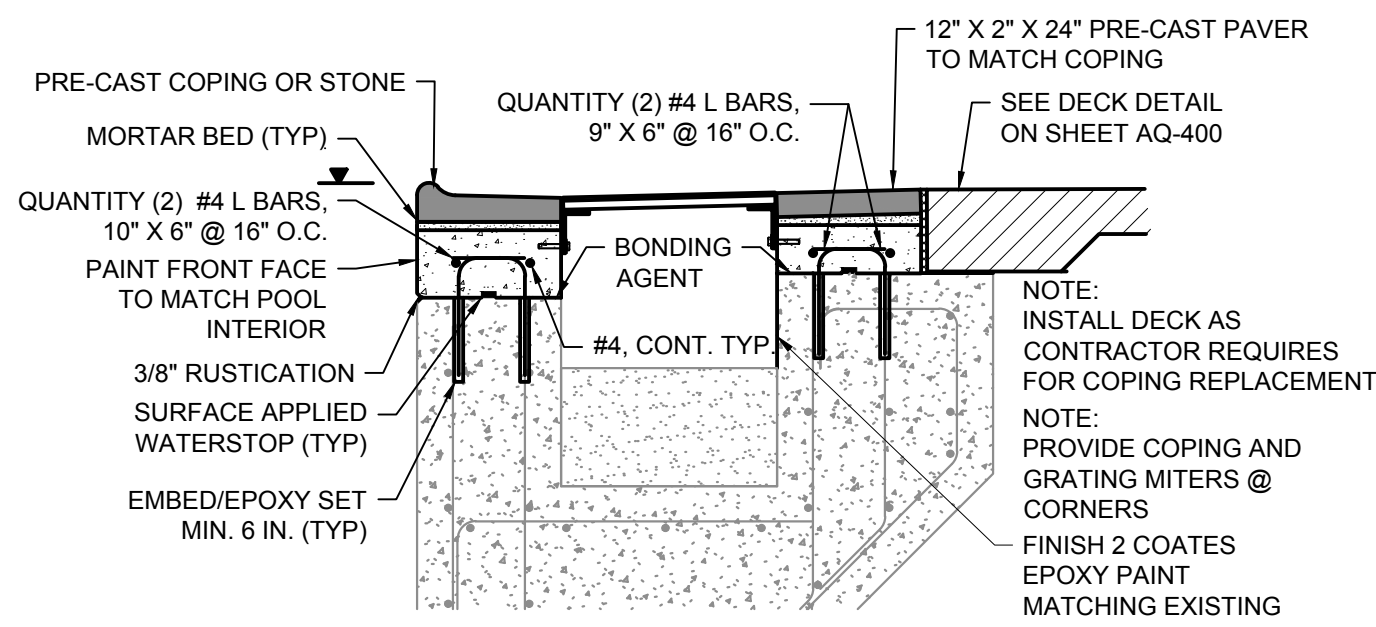
1 OPTION 1 & 2 GUTTER DEMOLITION
3/4" = 1'-0"



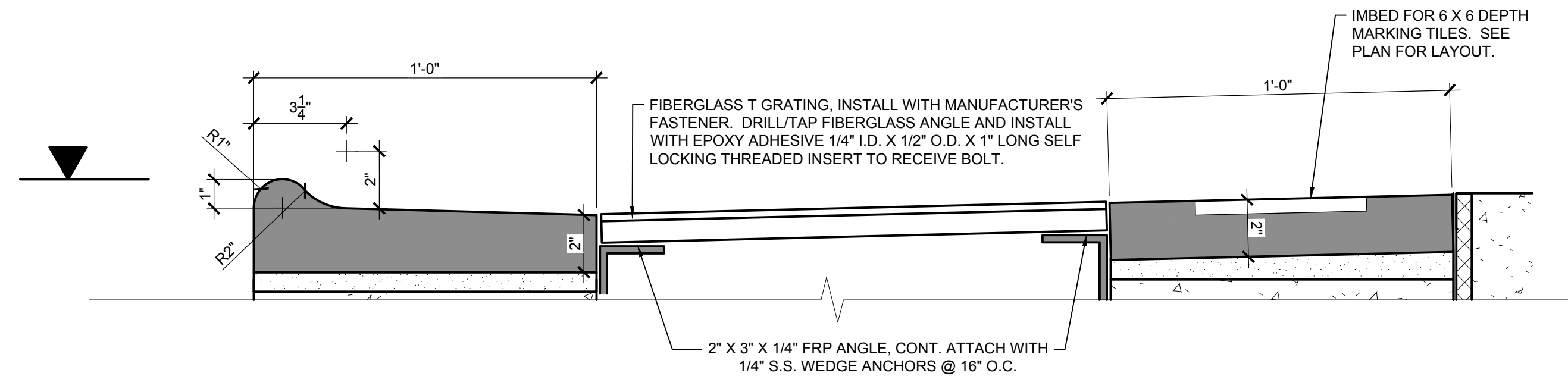
2 OPTION 1 PAINTED TOP OF WALL
3/4" = 1'-0"



3 OPTION 1 TOP OF WALL PROFILE
3" = 1'-0"

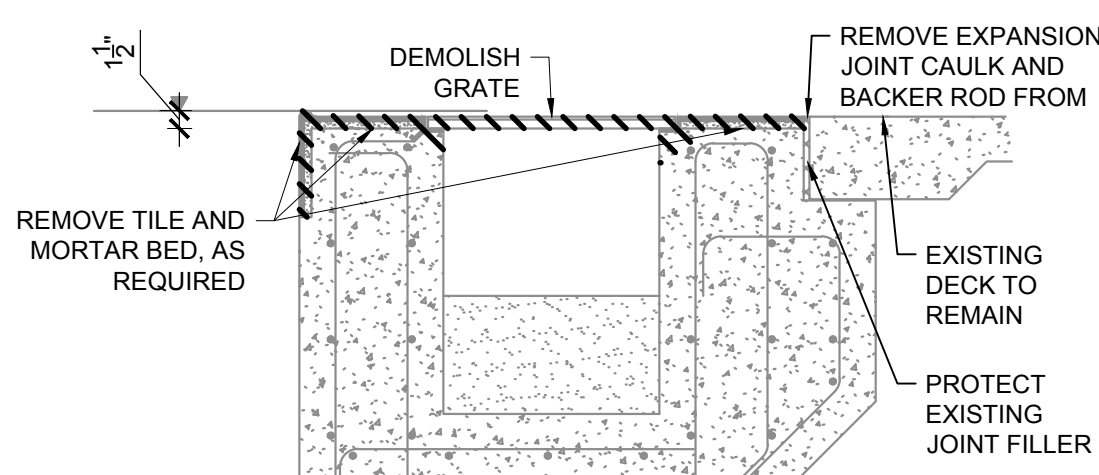


4 OPTION 2 PRE-CAST COPING
3/4" = 1'-0"

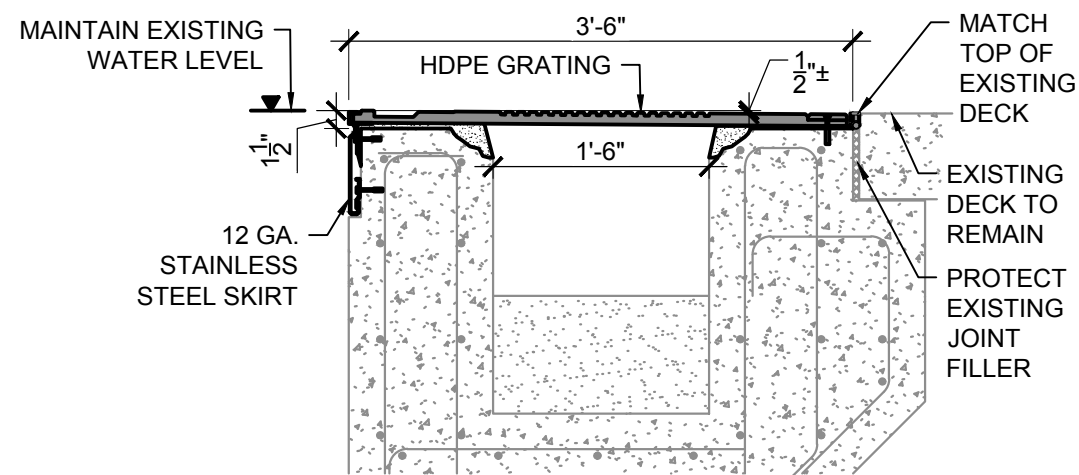


5 OPTION 2 TOP OF WALL PROFILE
3" = 1'-0"

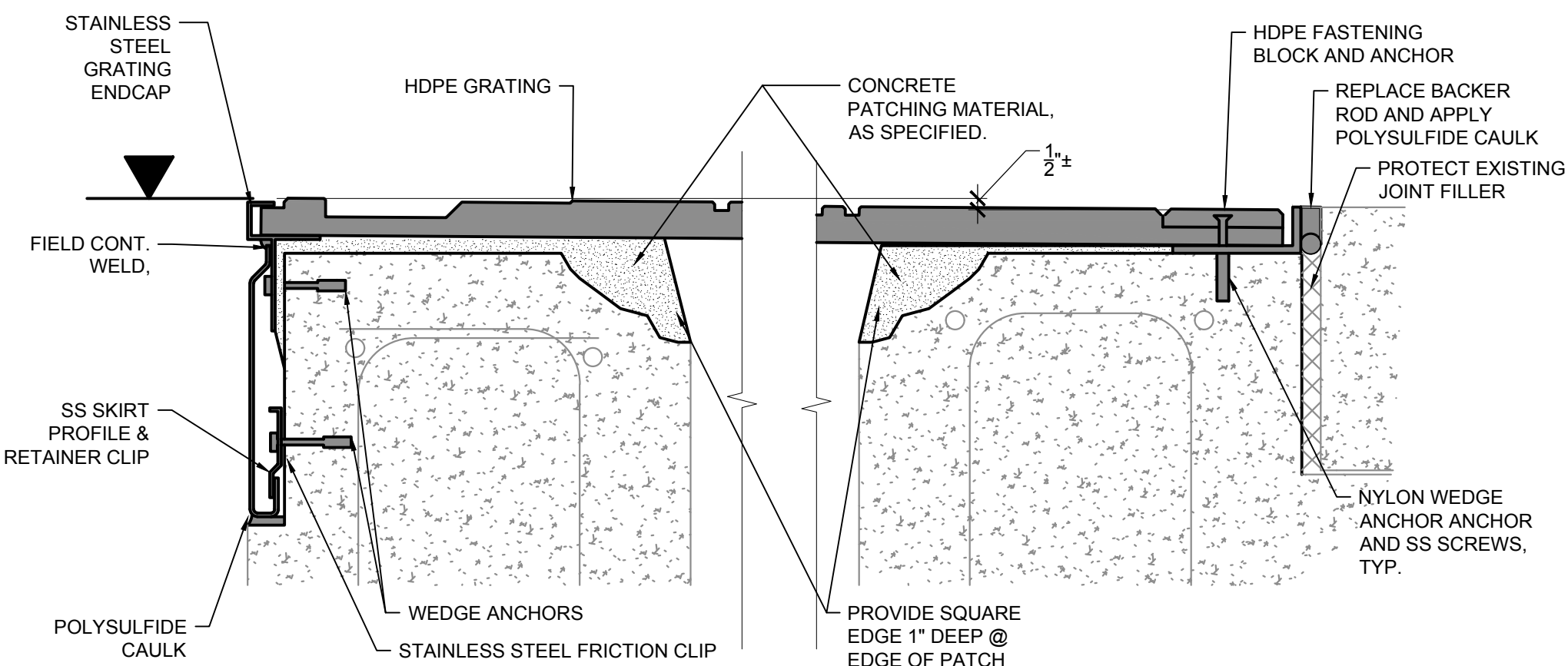
- NOTES:
1. BASIS OF DESIGN FOR GRATE SYSTEM IS BY PADDOCK INDUSTRIES. SUBSTITUTIONS MUST BE APPROVED BY THE ENGINEER PRIOR TO BIDDING.
 2. STEEL STOCK SHALL BE POLISHED 304 STAINLESS STEEL, 12 GA. MIN. SHOP WELDED. FIELD WELDS SHALL BE KEPT TO A MINIMUM.
 3. GRATING:
 - a. SHALL BE CNC ROUTED FROM 1" WHITE, UV STABILIZED HIGH DENSITY POLYETHYLENE SHEET STOCK, WITH SLOTS PARALLEL WITH POOL WALL. MIN. OPEN AREA SHALL BE 40%.
 - b. STRENGTH OF PRODUCT AFTER ROUTING SHALL SPAN THE GUTTER WITH NOT MORE THAN 1/8" DEFLECTION UNDER A POINT LOAD OF 300 LBS.
 - c. TOP SURFACE SHALL BE TEXTURED FOR TRACTION.
 - d. TOP SURFACE SHALL HAVE RECESSED FINGER HOLD AT FRONT EDGE.



6 OPTION 3 GUTTER DEMOLITION
3/4" = 1'-0"



7 OPTION 3 HDPE GRATING AND ST. STL. FACING
3/4" = 1'-0"



8 OPTION 3 INSTALL
3" = 1'-0"

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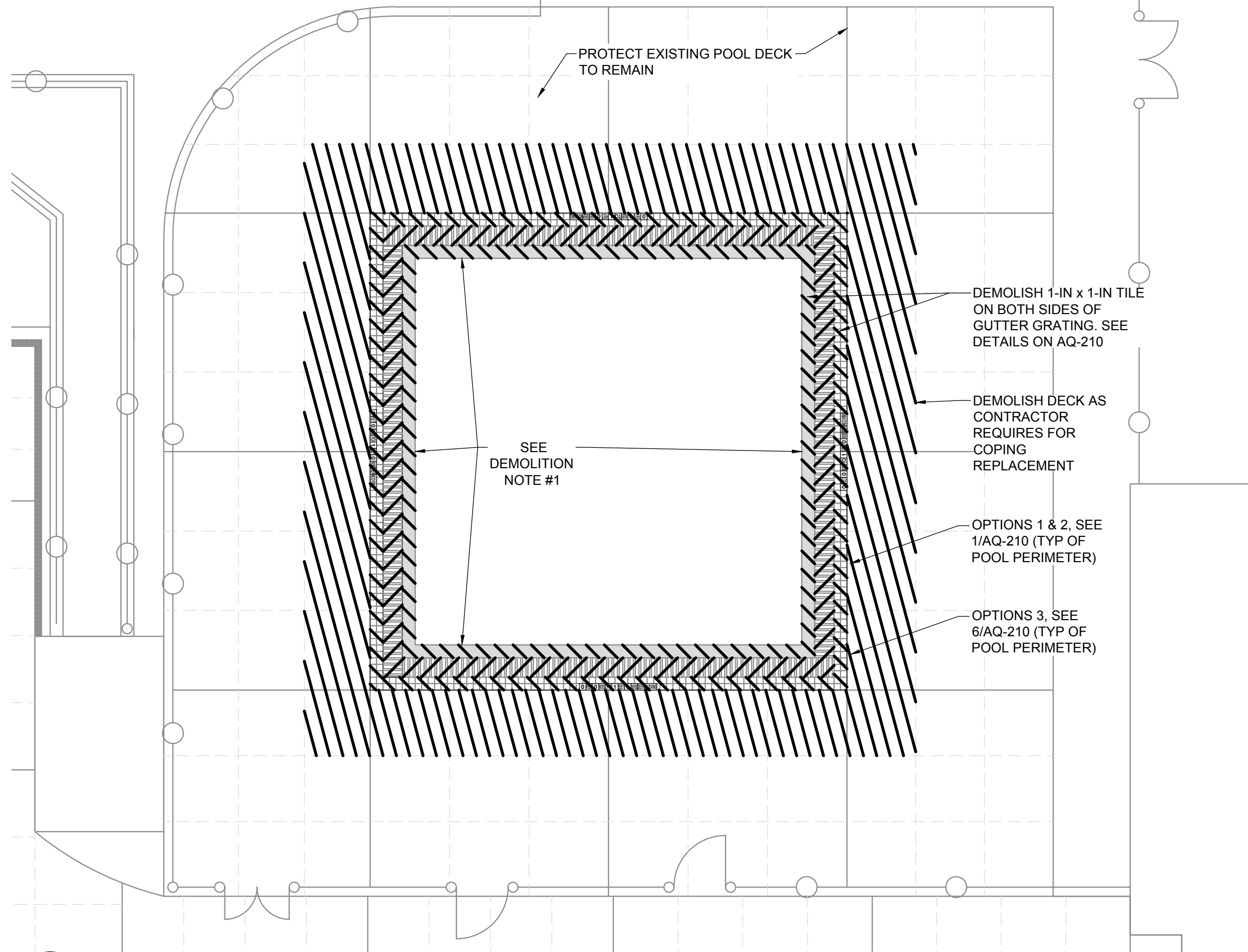
DEMO AND
CONSTRUCTION
DETAILS - BASE SCOPE

Sheet Number:

AQ-210

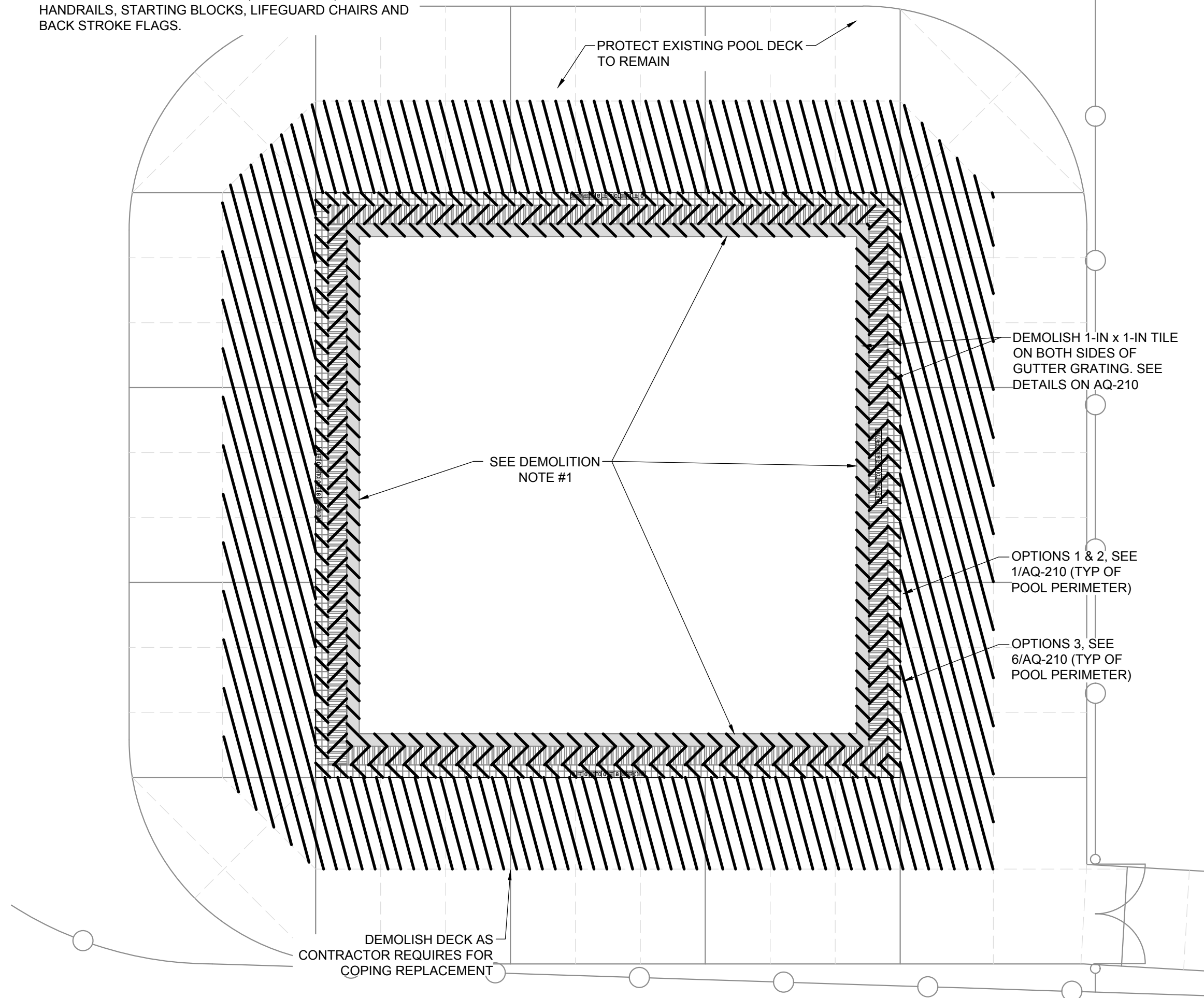
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SALVAGE FOR RE-INSTALLATION ALL DECK PRODUCTS, INCLUDING BUT NOT LIMITED TO, GRAB RAILS, HANDRAILS, STARTING BLOCKS, LIFEGUARD CHAIRS AND BACK STROKE FLAGS.

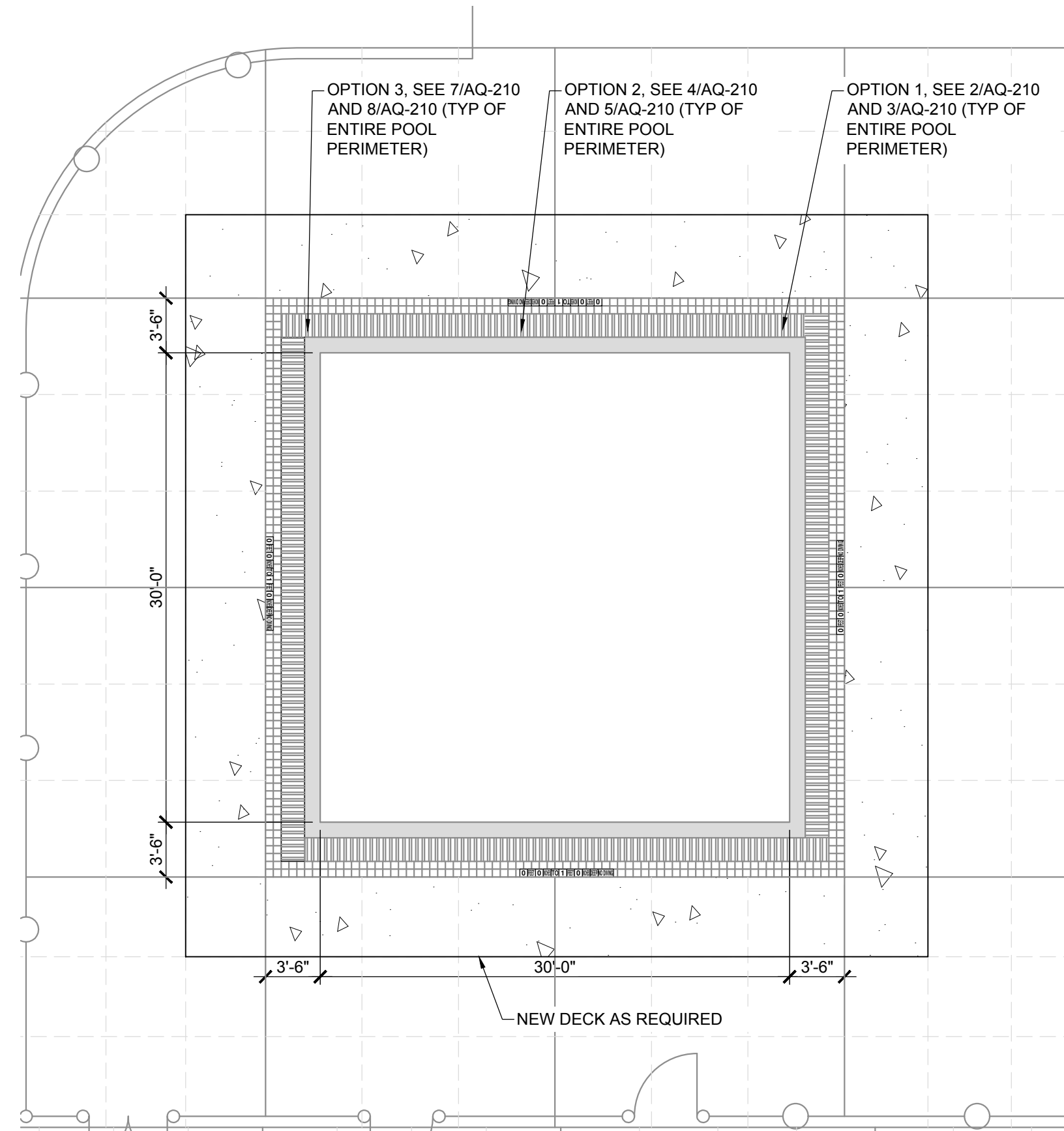


1 WADING POOL DEMO PLAN 2
1/8" = 1'-0"

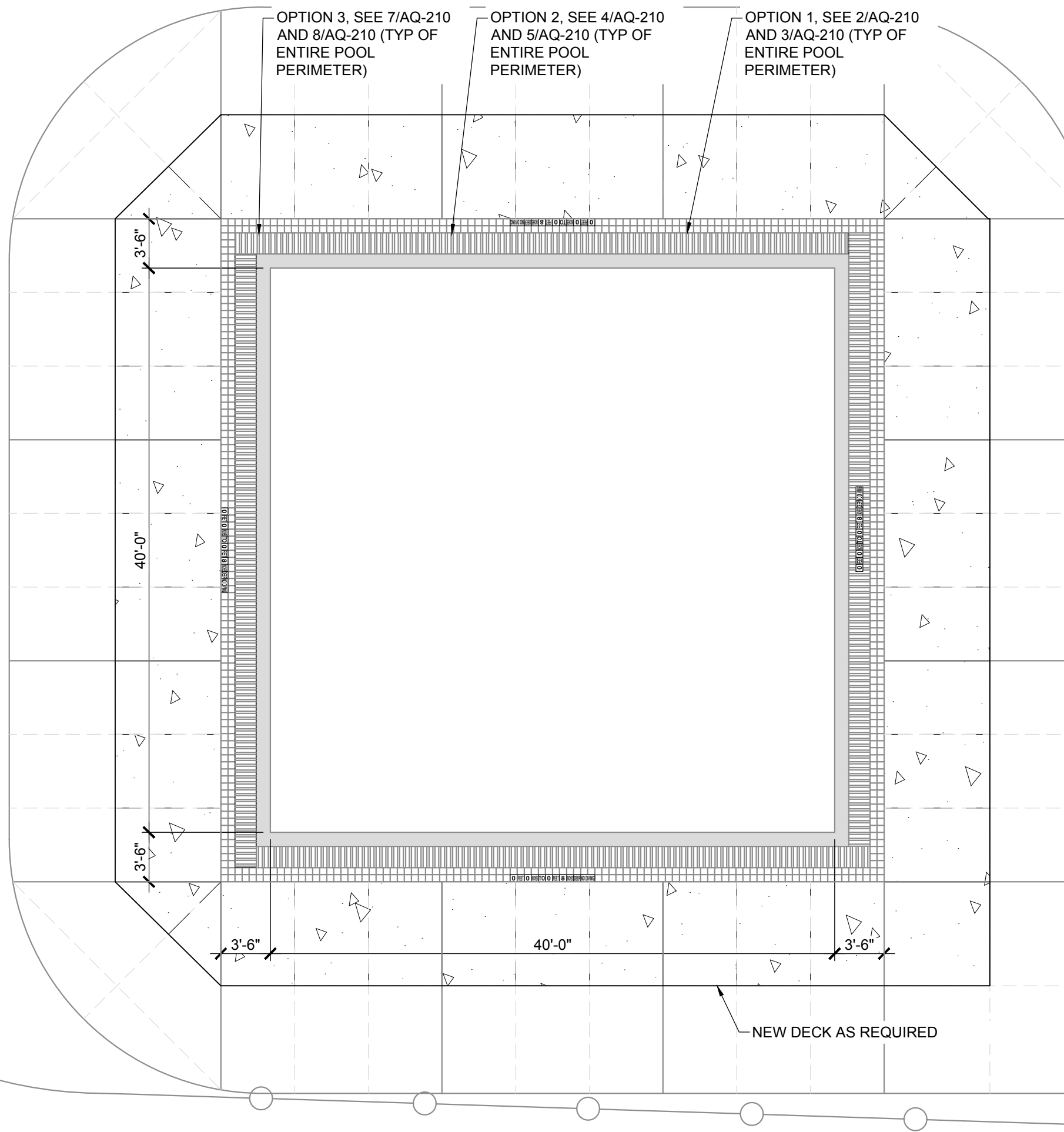
SALVAGE FOR RE-INSTALLATION ALL DECK PRODUCTS, INCLUDING BUT NOT LIMITED TO, GRAB RAILS, HANDRAILS, STARTING BLOCKS, LIFEGUARD CHAIRS AND BACK STROKE FLAGS.



3 INTERACTIVE POOL DEMO PLAN
1/8" = 1'-0"



2 WADING POOL CONSTRUCTION PLAN
1/8" = 1'-0"



4 INTERACTIVE POOL CONSTRUCTION PLAN
1/8" = 1'-0"

DEMOLITION:

1. LIMITS OF CONCRETE REMOVAL FOR EXPOSED SURFACES SHALL BE SAWCUT FULL DEPTH.
2. CONTRACTOR IS RESPONSIBLE FOR REMOVAL STORAGE OF ALL FIXTURES, FITTINGS, AND EQUIPMENT. COORDINATE USE OF SITE FOR STORAGE WITH OWNER.
3. CONTRACTOR SHALL REMOVE ALL TILE FINISH AT POOL COPING AND DECK AREAS AS INDICATED.
4. CONTRACTOR SHALL TAKE CARE DURING DEMOLITION AND REMOVAL ACTIVITIES SUCH THAT ALL WORK TO REMAIN IS PROTECTED.
5. WHERE PERMITTED, CLEAN SOILS AND CLEAN CONSTRUCTION CONCRETE MAY BE REPURPOSED.
6. OWNER AFFIRMS, TO THE BEST OF THEIR KNOWLEDGE AND BASED ON THEIR KNOWLEDGE OF THE AGE AND CHARACTER OF THE CONSTRUCTION, THAT THERE IS NO LEAD BASED PAINT, ASBESTOS CONTAINING MATERIALS, OR OTHERWISE HAZARDOUS MATERIALS CONTAINED WITHIN THE SCOPE OF THE DEMOLITION WORK.
7. CONTRACTOR SHALL SUBMIT A WASTE DISPOSAL PLAN DOCUMENTING THE TYPES OF MATERIALS TO BE REMOVED AND FACILITIES LOCATIONS SAID MATERIAL WILL BE DEPOSITED. CONTRACTOR IS RESPONSIBLE FOR CLASSIFYING REMOVED MATERIALS BY THEIR WASTE CATEGORY PER STATE AND LOCAL REGULATIONS.
8. ALL WASTE MATERIALS OTHER THAN CLEAN SOILS OR QUALIFYING CLEAN CONCRETE SHALL BE PROPERLY DISPOSED OF IN A PERMITTED WASTE OR RECOVERY FACILITY, WHERE PERMITTED.
9. CONTRACTOR SHALL SUBMIT DOCUMENTATION FROM EACH WASTE OR RECOVERY FACILITY THE RECEIPT OF WASTE.
10. EXISTING ELECTRICAL BONDING LOOP:
 - A. COORDINATE WITH ELECTRICIAN PRIOR TO BEGINNING DEMOLITION.
 - B. EXPOSE AND PROTECT LENGTHS OF EXISTING CONCRETE REINFORCEMENT, ADEQUATE TO RECEIVE BONDING LUGS, FOR EXTENSION OF THE EXISTING BONDING LOOP.
 - C. PROTECT BOND LOOP WIRES AND BOND WIRE CONNECTIONS, WHERE ENCOUNTERED.
11. REFER TO DETAILS SHEETS FOR EXTENT OF CONCRETE DEMOLITION.

GENERAL CONSTRUCTION REQUIREMENTS:

1. CONTRACTOR TO COORDINATE WITH THE OWNER OR OWNER'S REPRESENTATIVE FOR CONTRACTOR STAGING OF MATERIALS, PARKING AND ACCESS TO POOL FACILITY CONSTRUCTION.
2. CONTRACTOR SHALL COORDINATE DISCHARGE OF POOL PRIOR TO CONSTRUCTION WITH OWNER OR OWNER'S REPRESENTATIVE AND LOCAL HEALTH DEPARTMENT.

STRUCTURAL NOTES AND RESTRICTIONS:

1. PROVIDE ALL REINFORCING STEEL (NEW AND FREE FROM RUST OR SCALE) WITHIN THE POOLS AS:
 - a. GRADE #80 BLACK #4 REBAR, UNLESS OTHERWISE NOTED.
 - b. REBARS SHALL BE SPACED AT 12-IN O.C.E.W., UNLESS OTHERWISE NOTED.
 - c. TIE ALL REBARS AT ALTERNATE INTERSECTIONS.
 - d. MINIMUM OVERLAP FOR ALL REBARS SHALL BE 40-BAR DIAMETERS OR 15-INCHES (WHICHEVER IS GREATER).
2. COVER ALL REINFORCING STEEL WITH A MINIMUM 3-INCHES OF CONCRETE.
3. THE POOL STRUCTURE SHALL BE 4,500-PSI CONCRETE AT 28 DAYS. THE CONCRETE MIX DESIGN SHALL PROVIDE A 0.45 WATER/CEMENT RATIO AND CONTAIN NO ADMIXTURES UNLESS PRE-APPROVED BY THIS ENGINEER.
SLUMP OF CONCRETE, MINIMUM 1-INCH, MAXIMUM 3 INCHES
WALLS: 4-INCH
FLOOR: 3-INCH
SLAB-ON-METAL FORMS: 3-INCHES
4. THE CONCRETE REPAIR AREAS SHALL BE MAINTAINED IN A DAMPENED OR WATER-IMMERSED CONDITION FOR A MINIMUM 7-DAYS AFTER PLACEMENT TO ASSIST IN PROVIDING PROPER CURING.
5. PROVIDE A WATER-TIGHT, LEAK-PROOF STRUCTURE. IN ACCOMPLISHING A WATER-TIGHT STRUCTURE, PROVIDE THE FOLLOWING PROCEDURES AND PRACTICES:
 - a. FILL AROUND EACH FITTING AND NICHE WITH A NON-SHRINK, EXPANSIVE GROUT.
 - b. AVOID HONEYCOMBING. ANY HONEYCOMBING DISCOVERED SHALL BE CHIPPED, CLEANED AND CORRECTED AS REQUIRED BY PROJECT ARCHITECT OR ENGINEER.

CONCRETE:

1. CONTRACTOR SHALL SUBMIT TO THE ENGINEER A MINIMUM OF 21 DAYS PRIOR TO THE POUR THE PROPOSED METHOD OF CURING THE PLACED SHELL.
2. FORM MATERIALS:
 - A. FORMS: FORM FACING PANELS THAT WILL PROVIDE CONTINUOUS, STRAIGHT, SMOOTH, CONCRETE SURFACES. FURNISH PANELS IN LARGEST PRACTICABLE SIZES TO MINIMIZE NUMBER OF JOINTS.

DECKING NOTES:

1. PROVIDE, EXPANSION JOINTS TO COMPLY WITH THE FOLLOWING MINIMUM STANDARDS:
 - a. PROVIDE EXPANSION JOINTS (5/8-INCH WIDE) BETWEEN POOL BEAM AND POOL DECK.
 - b. INSTALL ALL MATERIALS IN STRICT ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS AND GUIDANCE.
2. FINALIZE ALL DECK ELEVATIONS AT THE PROJECT SITE TO ALLOW FOR A SMOOTH, EVEN TRANSITION TO ADJACENT ELEVATIONS FOR OTHER STRUCTURES AND APPURTENANCES. PROVIDE THIS ENGINEER A WRITTEN NOTICE OF ANY CHANGES OR REVISIONS NEEDED FOR DRAWING AND DOH COMPLIANCE.
3. SLOPE ALL DECKING AWAY FROM THE POOL AT 2% (1/4 INCH PER FOOT) TOWARDS THE SITE OR DEDICATED DRAINS. ALL DECKING SHALL BE SLIP-RESISTANT CONCRETE DECK WITH BROOM SWEEP FINISH.

POOL EQUIPMENT AND FINISHES SCHEDULE			
RECIRCULATION EQUIPMENT			
ITEM	MANUFACTURER	CAT NO.	DESCRIPTION
GRATING - OPTIONS 1 & 2	McNICHOLS	MS-WT-1810-DURAGRID	PULTRUDED, WIDE T-BAR, ADA, FIBERGLASS, SPF POLYESTER RESIN, WHITE, 1.000" HEIGHT X 1.625" TOP FLANGE WIDTH WIDE T-BAR, FINE GRIT SURFACE, 18% OPEN AREA. PROVIDE ALL SPLICES, SS FASTENERS, TRIM AND ACCESSORIES FOR A COMPLETE INSTALLATION. WET DCOF: >0.42
GRATING - OPTION 3	PADDOCK	8000420	1" TK. HDPE GRATING WITH INTEGRAL CONTRASTING DEPTH MARKINGS. COLOR: WHITE. WET DCOF: 0.42. PROVIDE ALL SPLICES, SS FASTENERS, TRIM AND ACCESSORIES FOR A COMPLETE INSTALLATION.
COPING - OPTION 1	TNEMEC	SEE SPEC.	2-PART EPOXY PAINT SYSTEM, AS SPECIFIED. HEAVY BROOM FINISH ON CONCRETE FOR TRACTION.
COPING - OPTION 2A	WAUSAU	SAFETY EDGE	2" TK. X 24"L PRECAST COPING WITH RAISED HANDHOLD PROFILE. CUSTOM WIDTH PER DETAILS. COLOR: STANDARD WHITE.
COPING - OPTION 2B	GRANIGRATE	HANDHOLD	2" TK. X 24"L GRANITE COPING WITH RAISED HANDHOLD PROFILE. CUSTOM WIDTH PER DETAILS. COLOR: PEARL WHITE.
COPING - OPTION 3	PADDOCK	SPECIAL ORDER	31BL 12 GA. STAINLESS STEEL ENDCAP AND SKIRT, FULLY WELDED SEAMS.

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SHRUB OAK MEMORIAL PARK
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Drawn By: SAA

Reviewed By: ADS

Approved By: PJB

W&S Project No.: ENG24-1681

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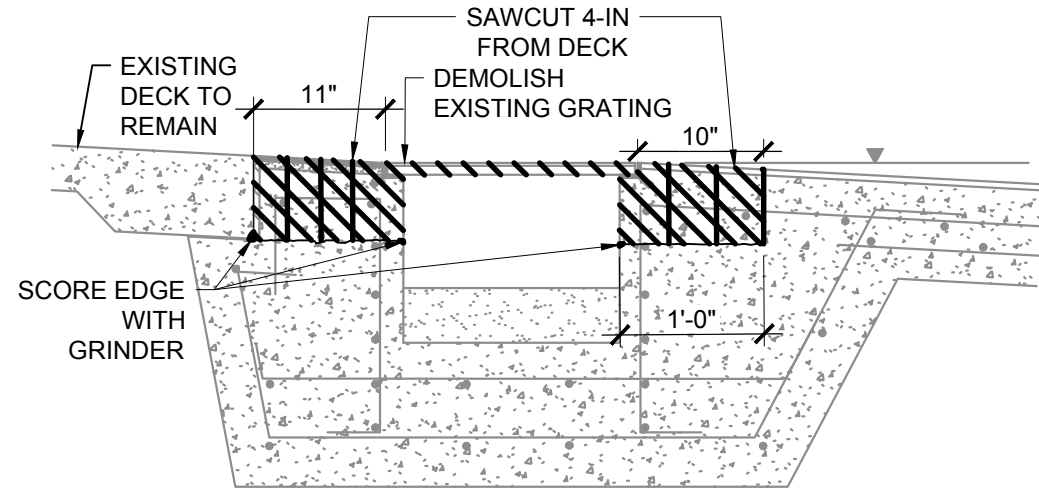
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DEMO AND CONSTRUCTION PLANS - ALTERNATE SCOPE

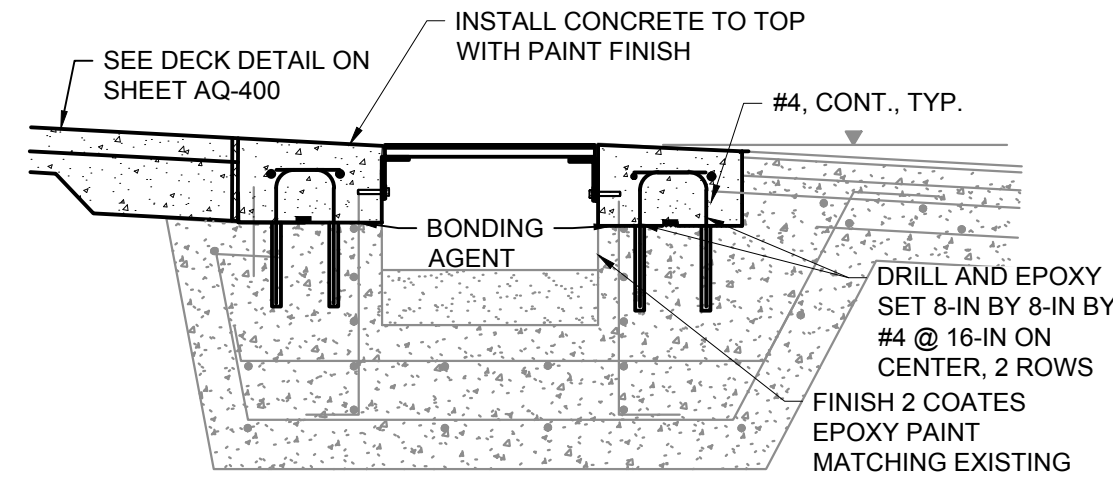
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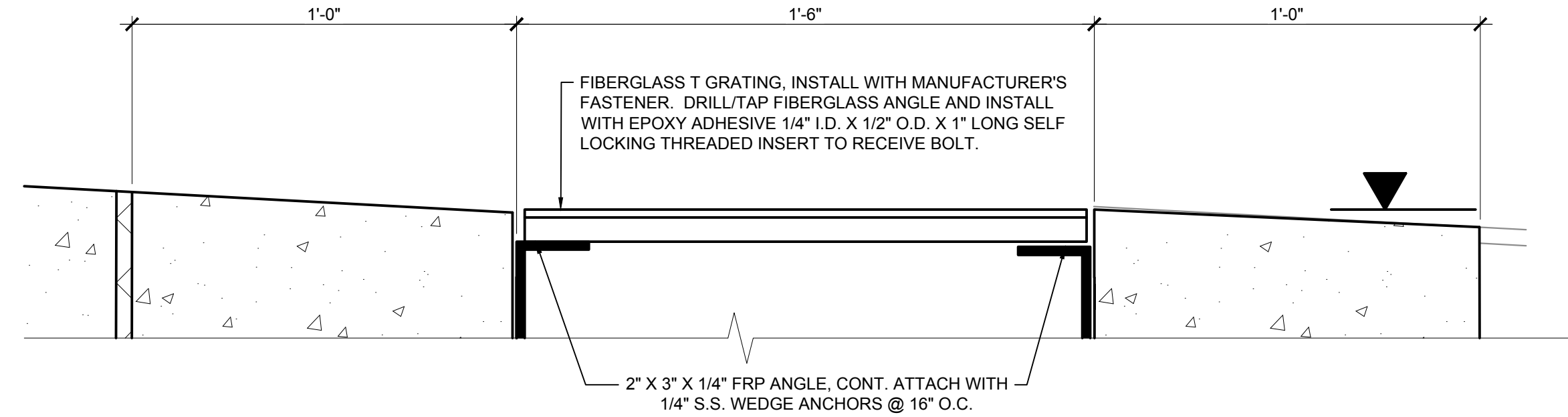
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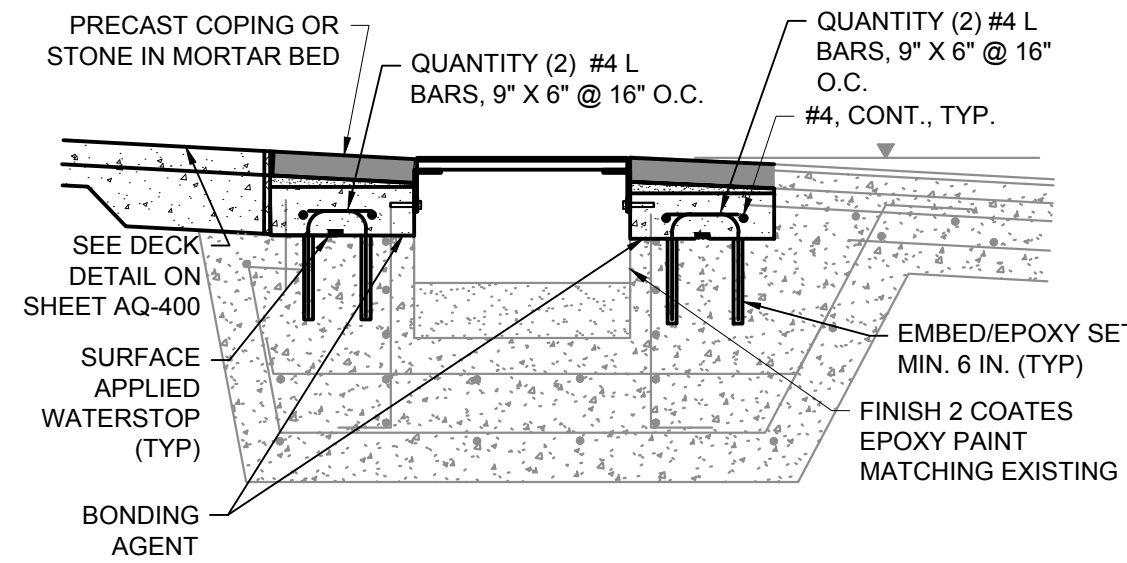
1 OPTION 1 & 2 GUTTER DEMOLITION
3/4" = 1'-0"



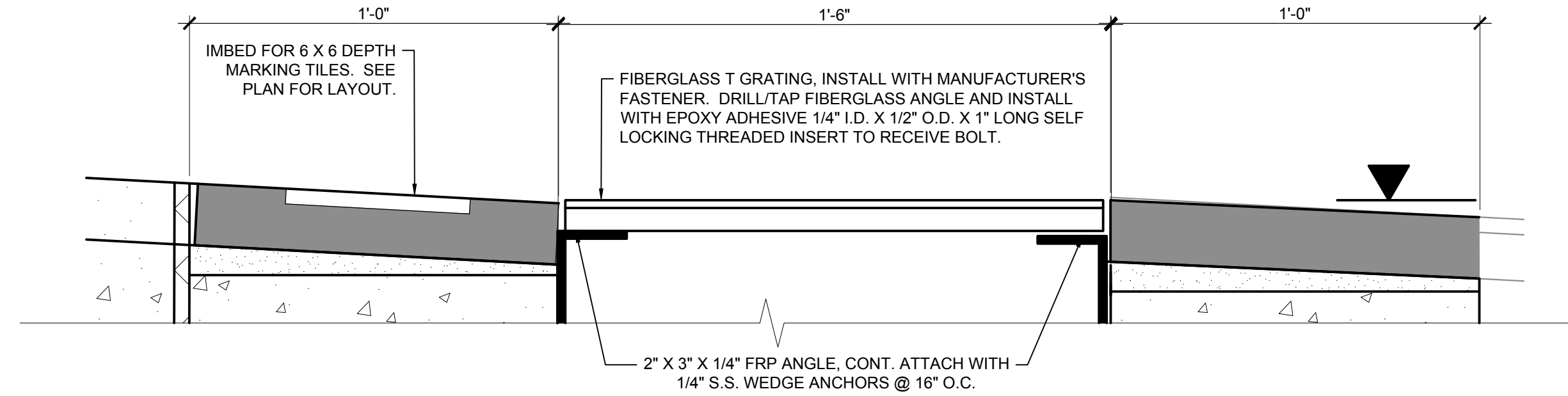
2 OPTION 1 PAINTED TOP OF WALL
3/4" = 1'-0"



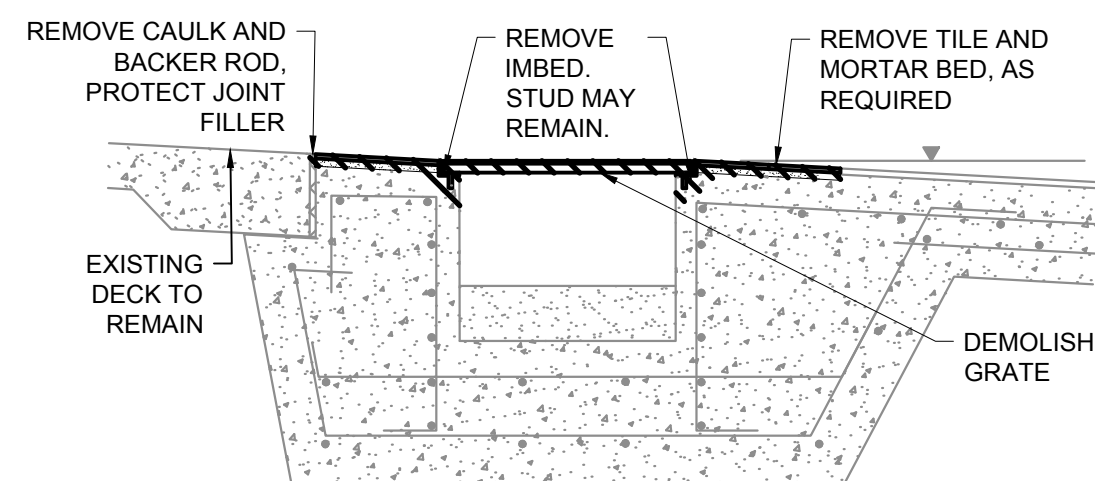
3 OPTION 1 TOP OF WALL PROFILE
3" = 1'-0"



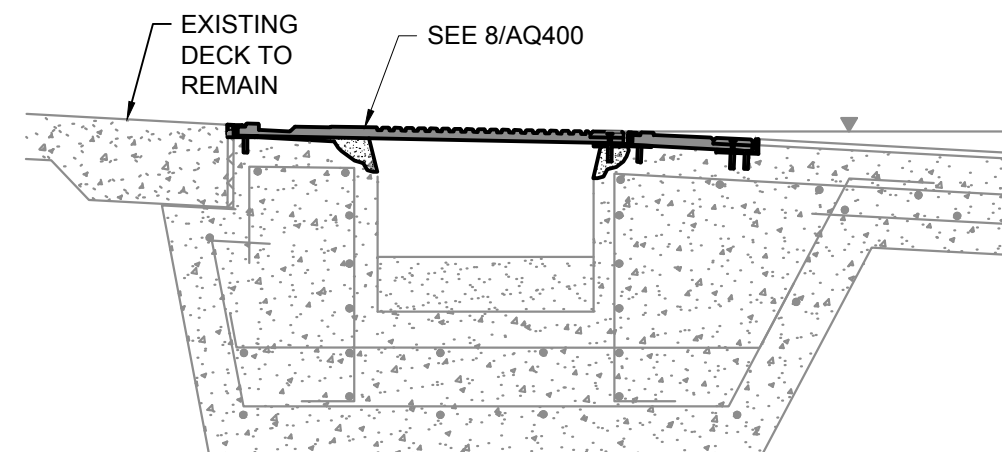
4 OPTION 2 PRE-CAST COPING
3/4" = 1'-0"



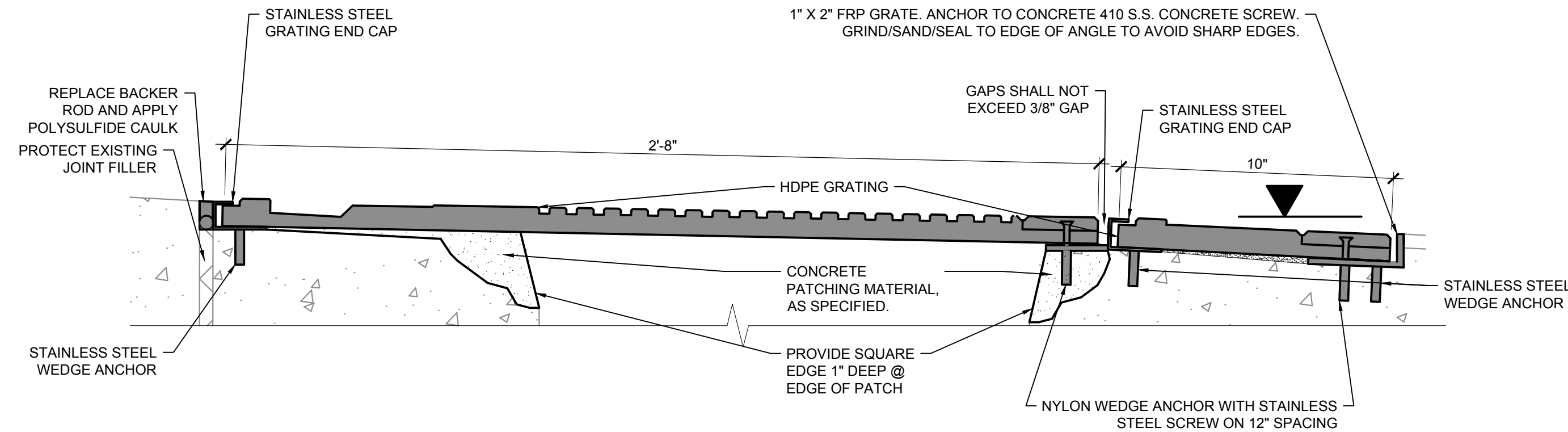
5 OPTION 2 TOP OF WALL PROFILE
3" = 1'-0"



6 OPTION 3 GUTTER DEMOLITION
3/4" = 1'-0"



7 OPTION 3 FIBERGLASS GRATING
3/4" = 1'-0"



8 OPTION 3 TOP OF WALL PROFILE
3" = 1'-0"

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W&S File No.:

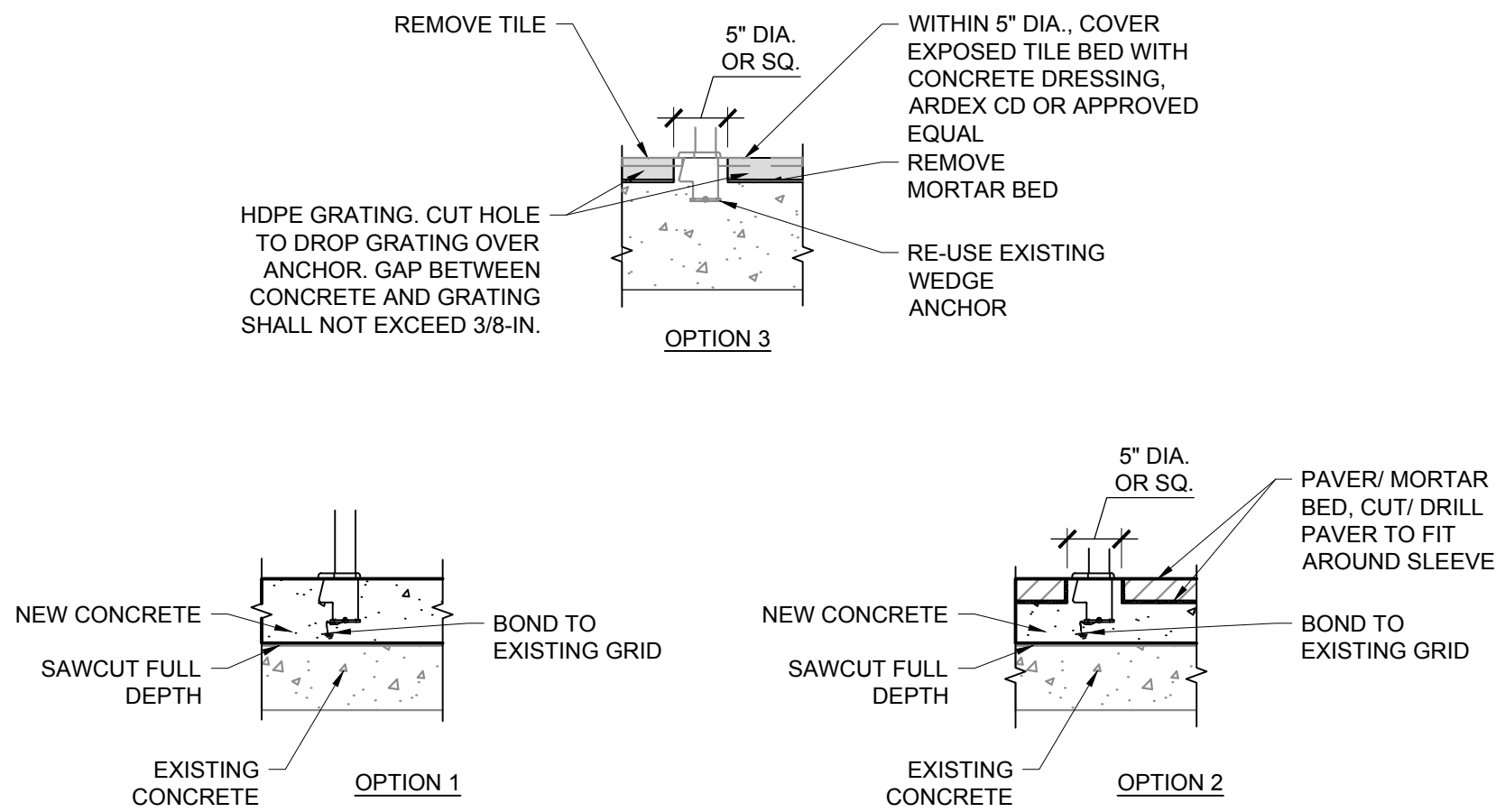
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SCOPE

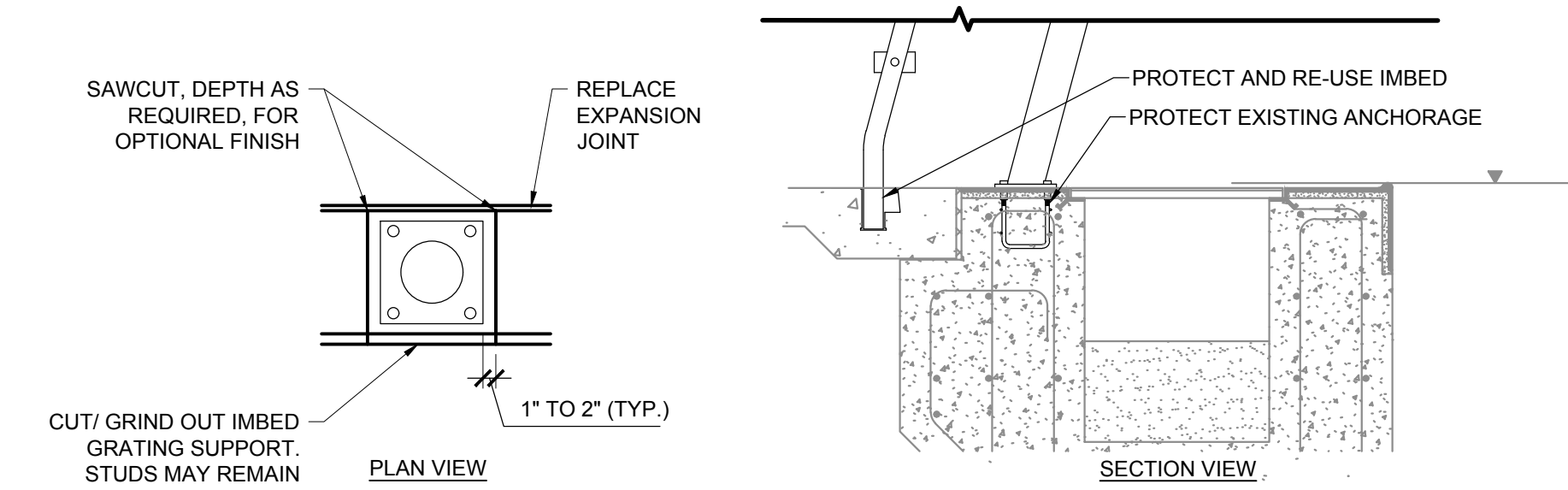
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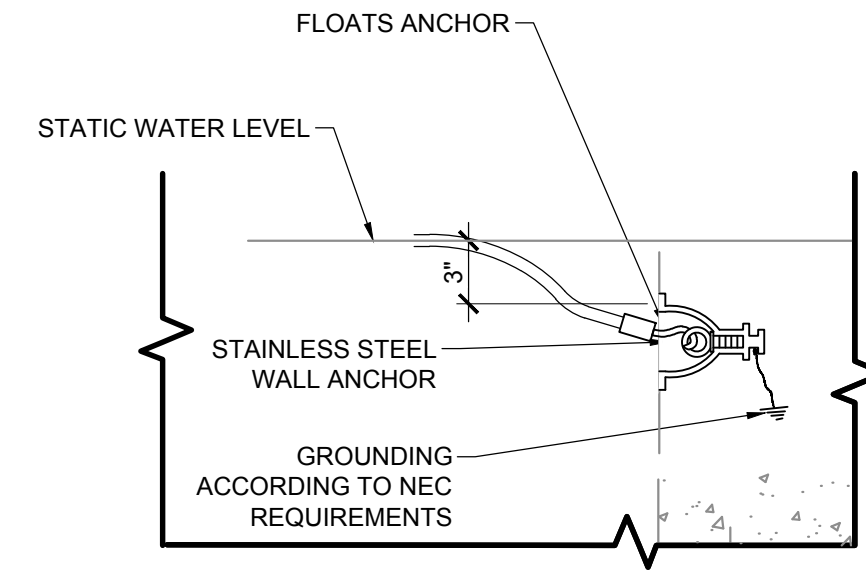
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1 TYP. WEDGE ANCHOR DETAIL
3/4" = 1'-0"

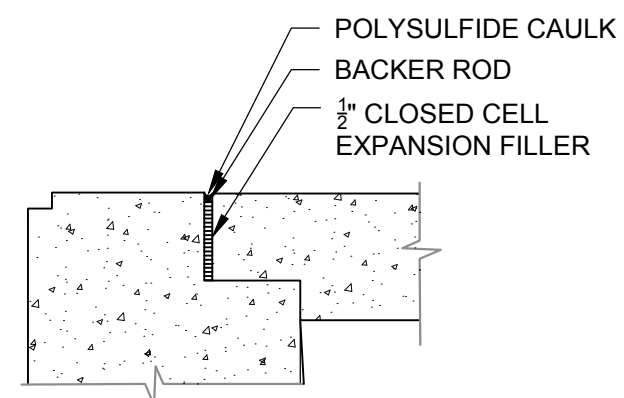


2 TYP. LIFEGUARD CHAIR ANCHOR DETAIL
3/4" = 1'-0"

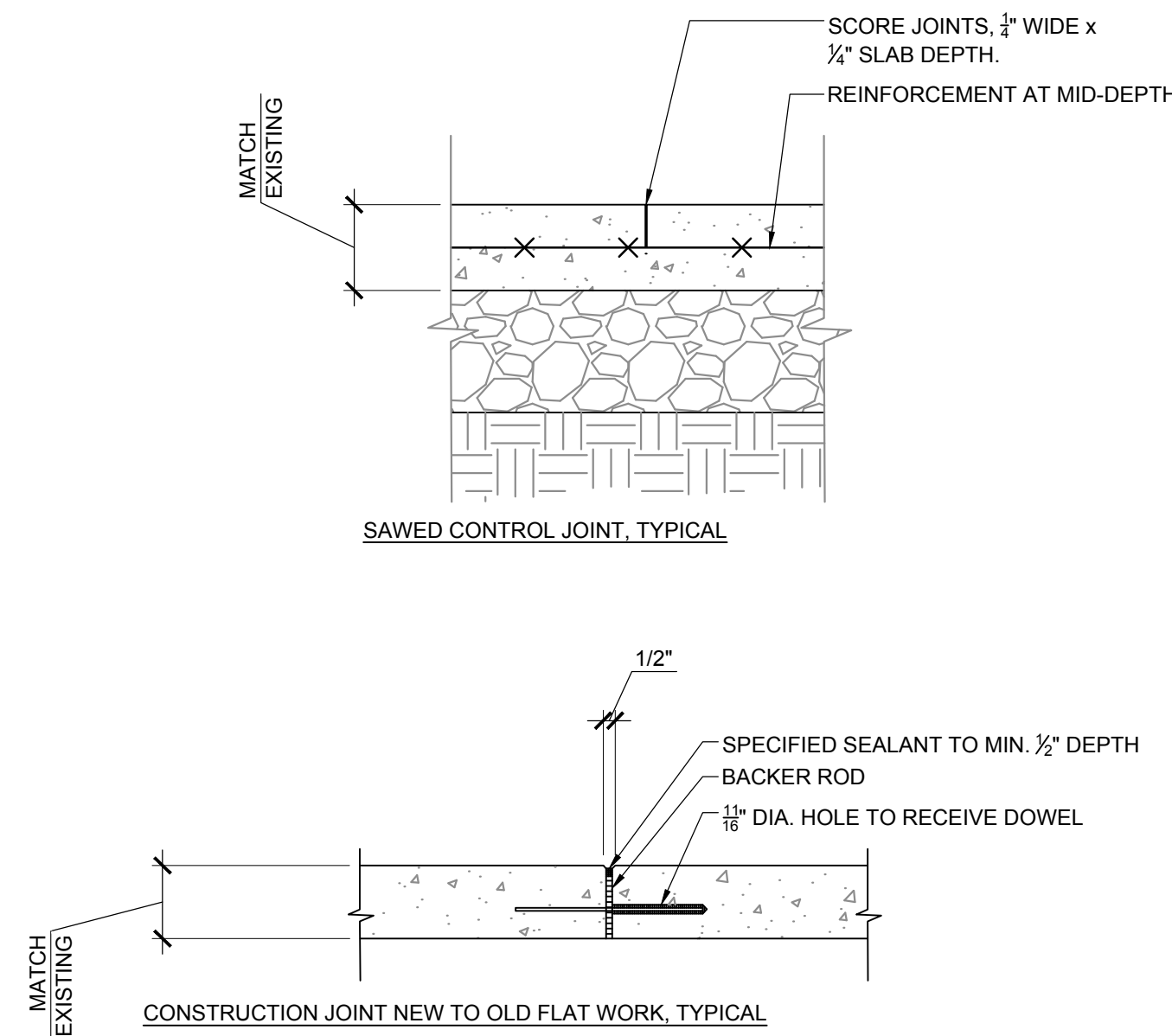


- NOTES:**
- FOR BASE BID, OPTION 1 & 2, INSTALL NEW LANE LINE ANCHORS.
 - FOR BASE BID, OPTION 3, PROTECT EXISTING LANE LINE ANCHORS. COORDINATE WITH GRATING MANUFACTURER FOR PROPER FABRICATION OF STAINLESS STEEL SKIRT.

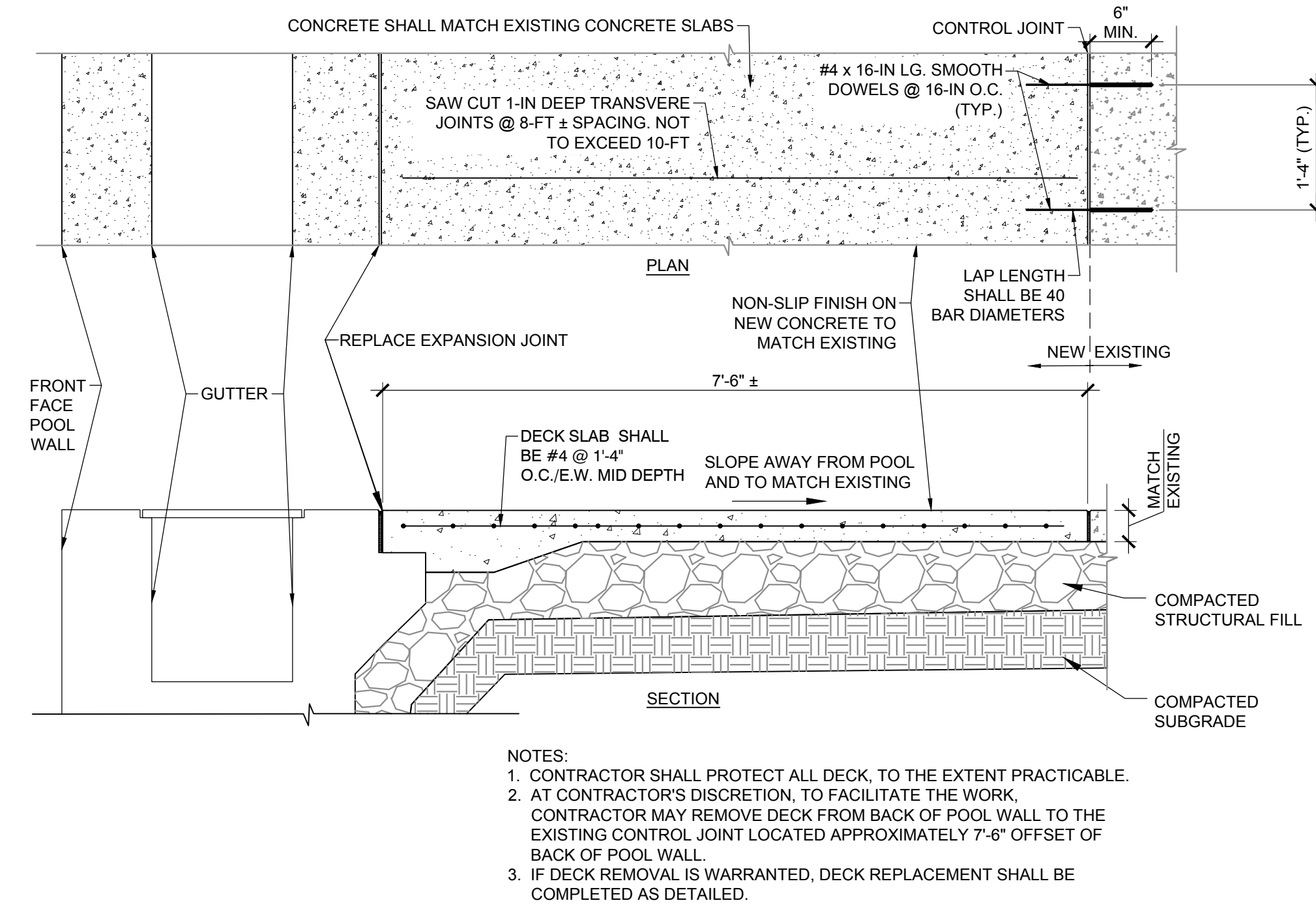
3 TYP. LANE ROPE ANCHOR DETAIL
1-1/2" = 1'-0"



4 TYP. EXPANSION JOINT DETAIL
NOT TO SCALE



5 TYP. CONTROL JOINT DETAIL
NOT TO SCALE



6 CONCRETE DECK DETAIL
NOT TO SCALE

Project:
TOWN OF YORKTOWN, NY
SHRUB OAK MEMORIAL PARK
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POOL RENOVATION

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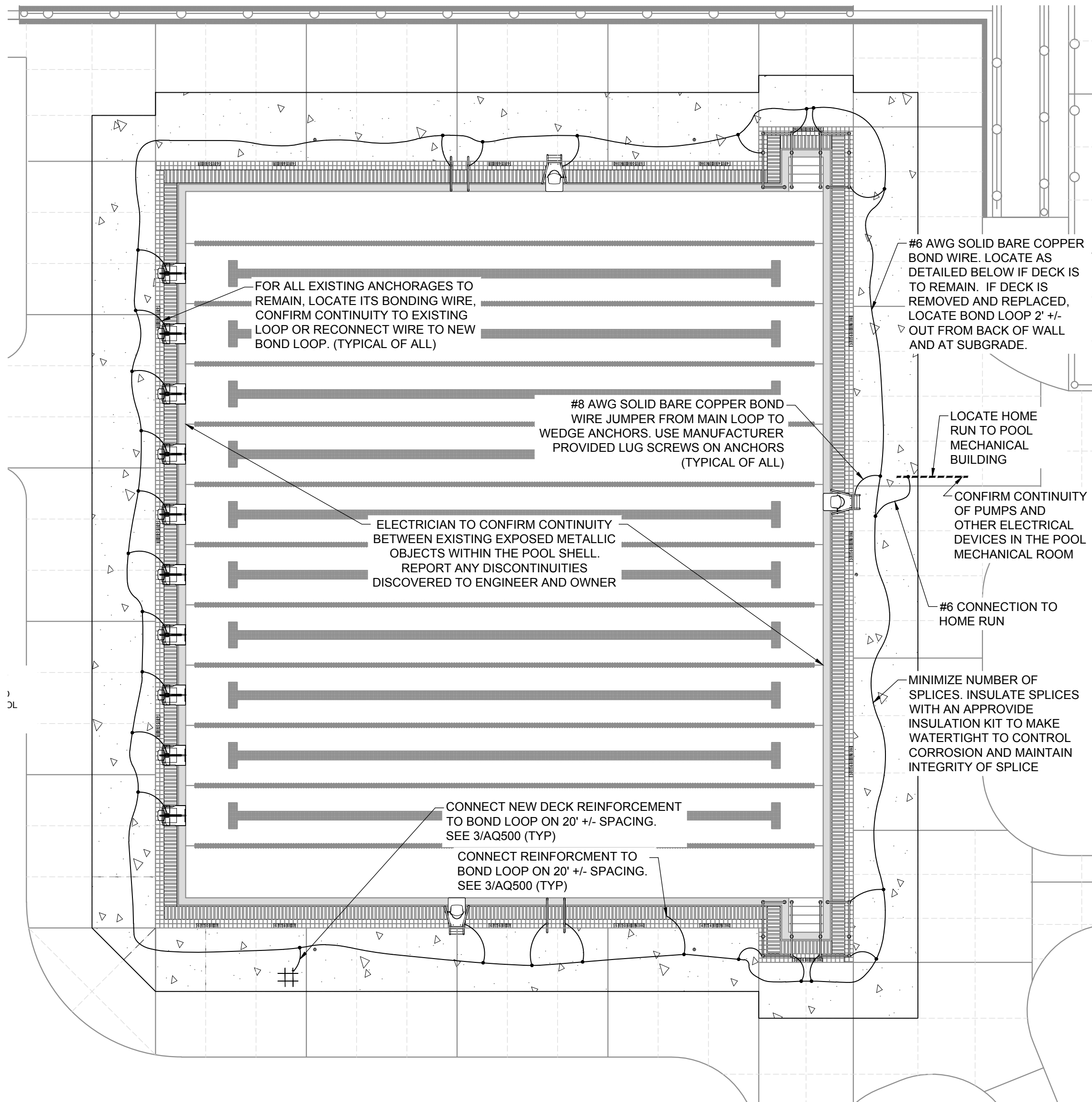
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Date: 04/07/2025
Drawn By: SAA
Reviewed By: ADS
Approved By: PJB
W&S Project No.: ENG24-1681
W&S File No.:

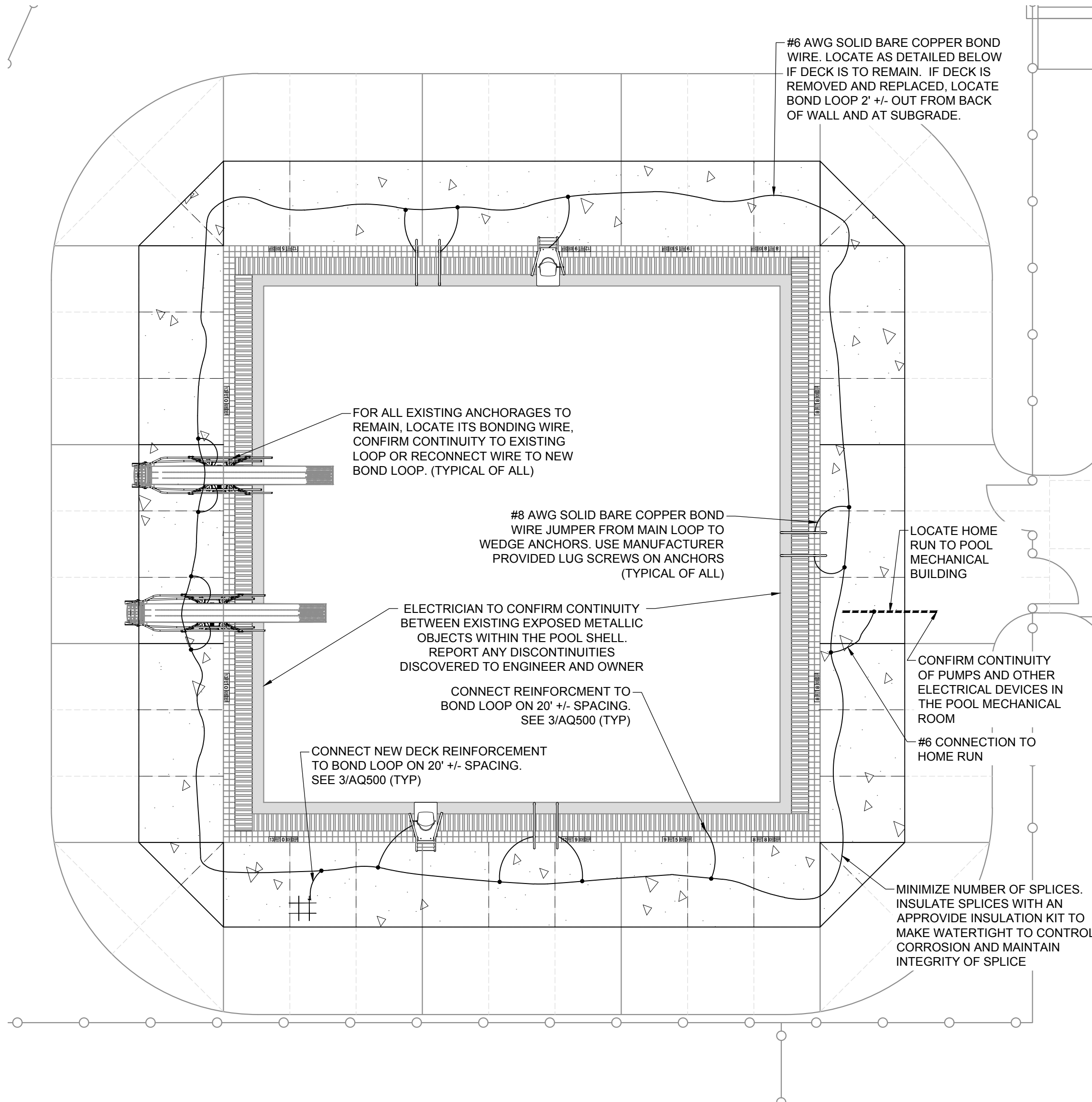
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Sheet Number:
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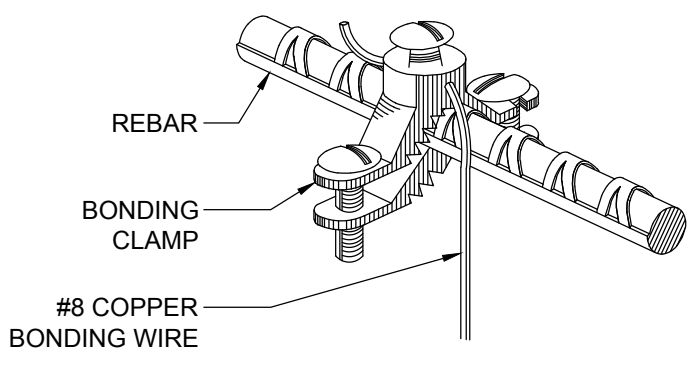
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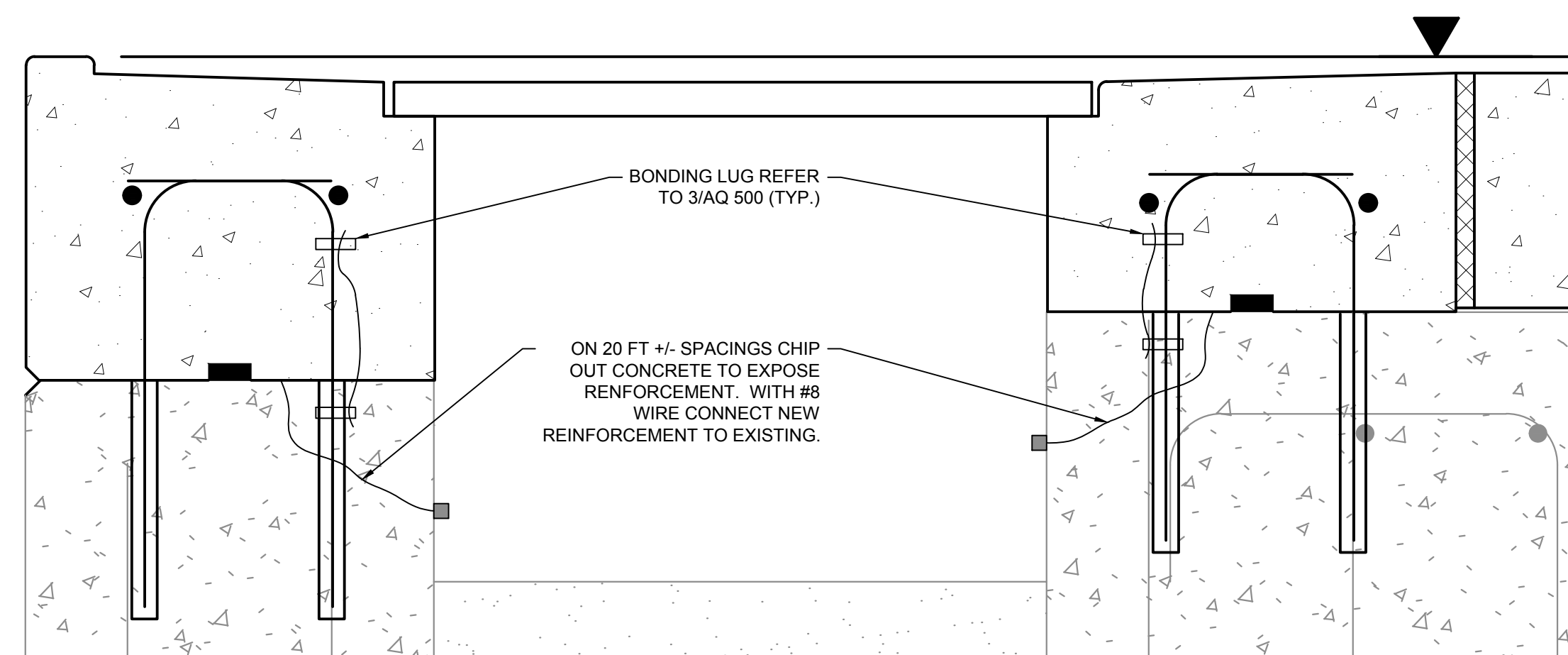
1 MAIN POOL BONDING PLAN
3/32" = 1'-0"



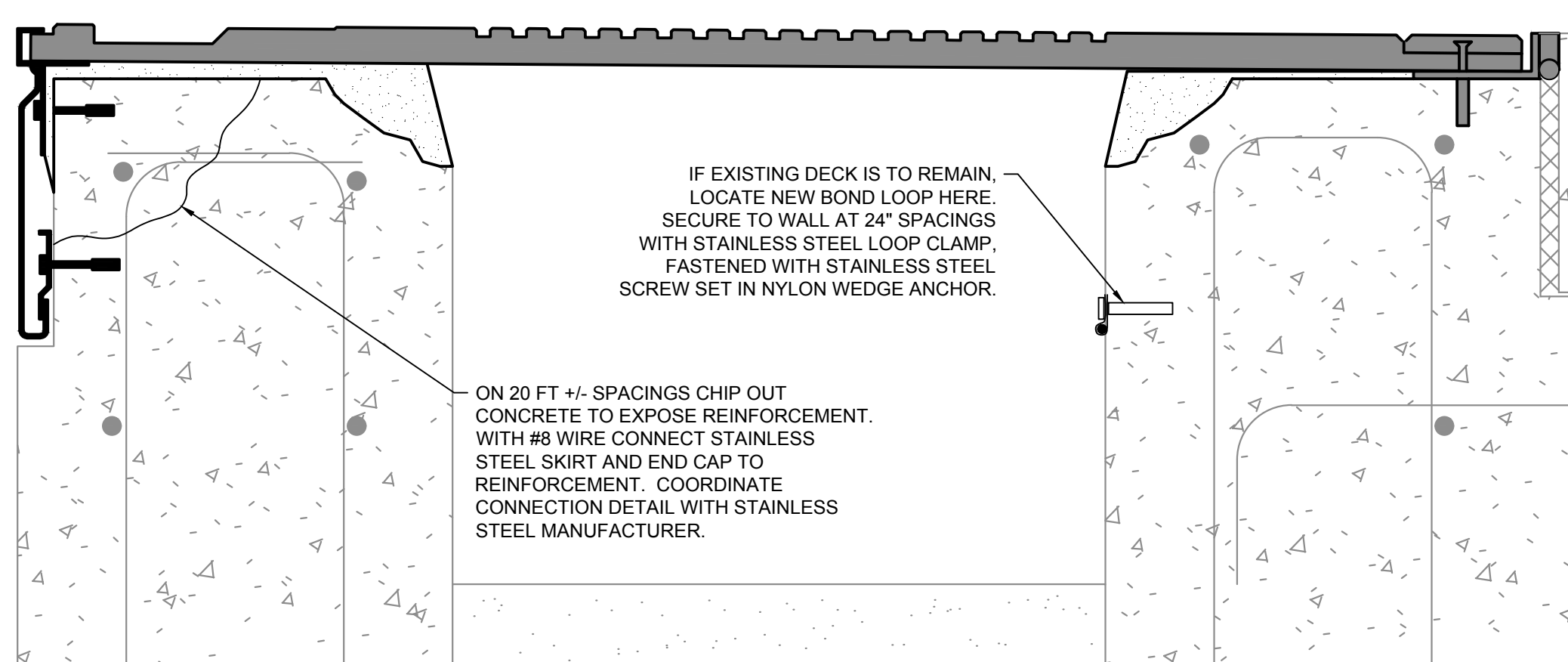
2 DIVING POOL BONDING PLAN
1/8" = 1'-0"



3 BONDING DETAIL - LUG @ REINF. BAR
NOT TO SCALE



4 BONDING DETAILS AT TOP OF WALL
NOT TO SCALE



OPTION 3

OPTION 1 & 2

BONDING LEGEND & NOTES

ELECTRICAL BONDING NOTES:

1. GENERAL:
 - a. BOND ALL METALLIC ITEMS PER NEC 680.26.
 - b. WORK SHALL BE PERFORMED BY A LICENSED ELECTRICIAN.
 - c. WORK SHALL COMPLY WITH ALL REQUIREMENTS IN ARTICLE 680 OF THE NATIONAL ELECTRICAL CODE (NEC)- SWIMMING POOLS, FOUNTAINS, AND SIMILAR INSTALLATIONS. PROVIDE ALL BONDING AND EQUIPMENT GROUNDING AS DESCRIBED IN ARTICLE 680.
 - d. ALL PUMP MOTORS SHALL BE BONDED TO THE BONDED LOOP UNLESS DOUBLE INSULATED. THIS INCLUDES, BUT IS NOT NECESSARILY LIMITED TO WATER CIRCULATING, CHEMICAL FEED, AND HEATER PUMPS.
2. POOL CONSTRUCTION:
 - a. BONDING LOOP CONDUCTOR AROUND POOL AND EXISTING TO POOL MECHANICAL EQUIPMENT SHALL BE:
 - i. SOLID COPPER CONDUCTOR, NOT SMALLER THAN #6 AWG.
 - ii. CONTINUOUS, WITH A MINIMUM NUMBER OF SPLICES.
 - b. CONNECTIONS FROM POOL BONDING LOOP CONDUCTOR TO OTHER BONDED ITEMS SHALL BE MADE WITH MINIMUM #8 AWG SOLID COPPER CONDUCTOR.
 - c. CONCRETE REINFORCEMENT SHALL BE BARE STEEL AND SHALL BE TIES WITH METAL WIRES AT EVERY INTERSECTION.
 - d. REINFORCEMENT STEEL SHALL BE BONDED TO CONDUCTOR LOOP AT EACH PLACED SECTION OR EVERY 20 FEET (WHICHEVER IS LESS).
 - e. ALL METAL ITEMS WITHIN OR ATTACHED TO THE NEW POOL SURFACE, INCLUDING, BUT NOT NECESSARILY LIMITED TO RAIL ANCHORS, LADDERS, STARTING BLOCKS, METAL INSET STEPS, LIGHT NICHES, AND LANE LINE ANCHORS, SHALL BE BONDED (UNLESS NOT OVER 4 INCHES IN ANY DIMENSION AND DOES NOT PENETRATE THE WATER OCCUPYING STRUCTURE MORE THAN 1 INCH).
 - f. BOND ALL METALLIC ITEMS WITHIN 5 FEET OF POOL SURFACE INCLUDING, BUT NOT LIMITED TO FENCE POSTS, DECK BOXES, AND DECK ANCHORS (UNLESS NOT OVER 4 INCHES IN ANY DIMENSION).
 - g. ALL BONDING CONNECTIONS:
 - i. TO BE MADE WITH DEVICES LISTED AND LABELED FOR THIS ENVIRONMENT. BONDING CONNECTORS TO BE BRASS, COPPER, COPPER ALLOY, OR STAINLESS STEEL.
 - ii. LUGS LISTED AND LABELED FOR BONDING REBAR TO COPPER CONDUCTOR. LUGS SHALL BE RATED FOR DIRECT BURIAL.
 - iii. EXOTHERMIC WELDING IS A PERMITTED METHOD FOR BONDING THE COPPER BONDING LOOP TO THE CONCRETE REINFORCEMENT STEEL.
 - iv. ALL CONNECTIONS BETWEEN BONDED ITEMS AND BONDING LOOP TO BE UNDER 2 OHMS RESISTANCE.
3. RENOVATIONS OF EXISTING POOLS:
 - a. LOCATE EXISTING BOND LOOP OR EXPOSE AND PROTECT LENGTHS OF THE EXISTING POOL SHELL REINFORCEMENT ADEQUATE FOR CONNECTING NEW BOND TO EXISTING REINFORCEMENT.
 - b. ELECTRICIAN SHALL TEST FOR CONTINUITY BETWEEN PROPOSED CONNECTION POINTS AND EXISTING METALLIC ELEMENTS AND ELECTRICAL DEVICES. THIS IS TO CONFIRM THE EXISTING BOND SYSTEM IS FUNCTIONING PROPERLY PRIOR TO COVERING CONNECTION POINTS.
 - c. BOND LOOP AND BONDING CONNECTIONS SHALL BE AS STATED ABOVE FOR POOL CONSTRUCTION.
4. QUALITY CONTROL:
 - a. VERIFY ALL METALLIC ITEMS ARE ON BONDING LOOP PER NEC 680.26
 - b. POOL BONDING GRID TO BE INSPECTED, TESTED, AND CERTIFIED AFTER INSTALLATION BY A LICENSED ELECTRICIAN TO ASSURE SYSTEM IS PROPERLY FUNCTIONING AT ALL REQUIRED LOCATIONS PER NEC 680.
 - c. BONDING CERTIFICATION REPORT SHALL BE PROVIDED TO OWNER, ARCHITECT, AND POOL CONSULTANT.

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Drawing Title:

EQUIPOTENTIAL
BONDING PLAN AND
DETAILS

Sheet Number:

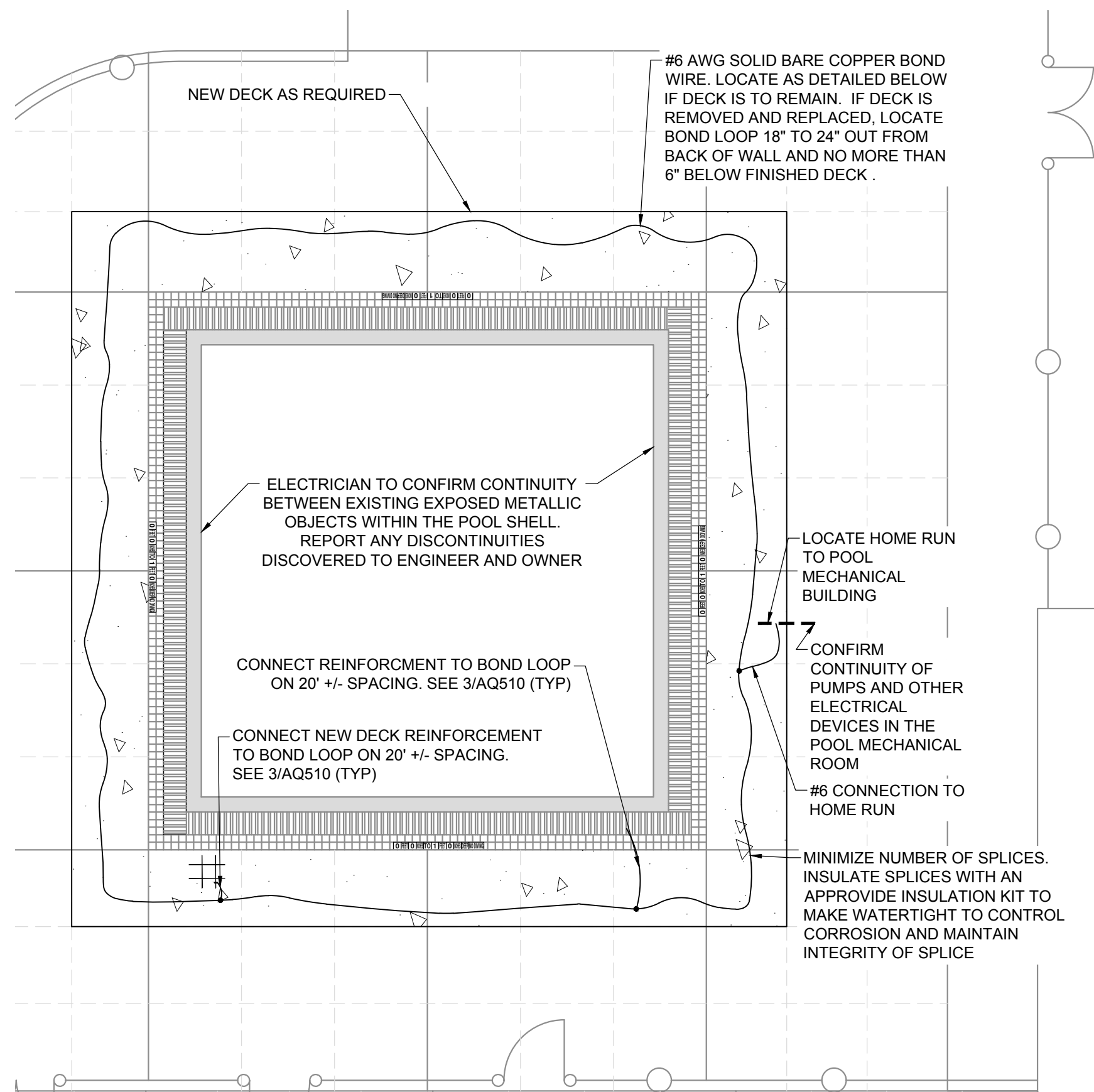
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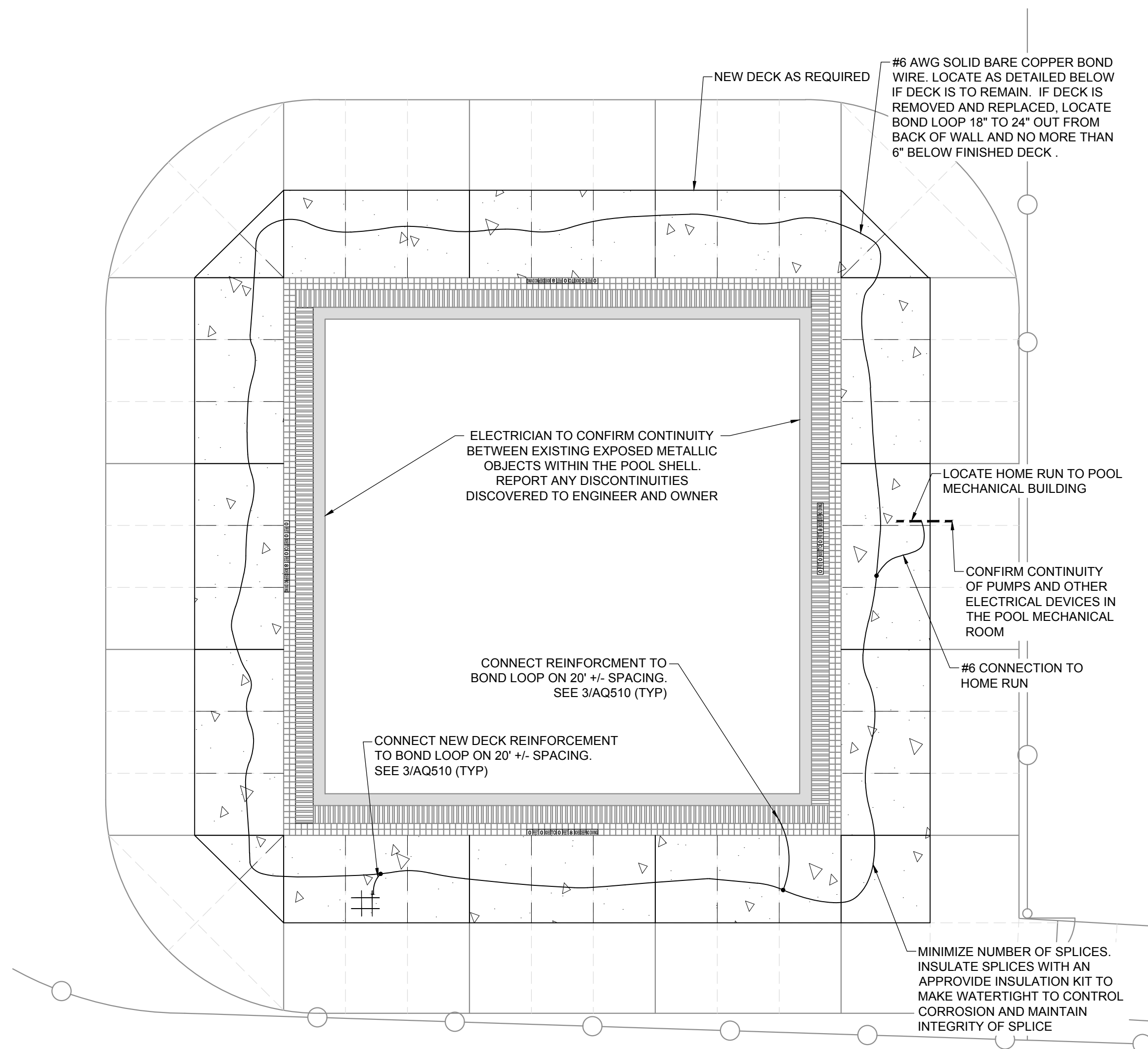
BONDING LEGEND & NOTES

ELECTRICAL BONDING NOTES:

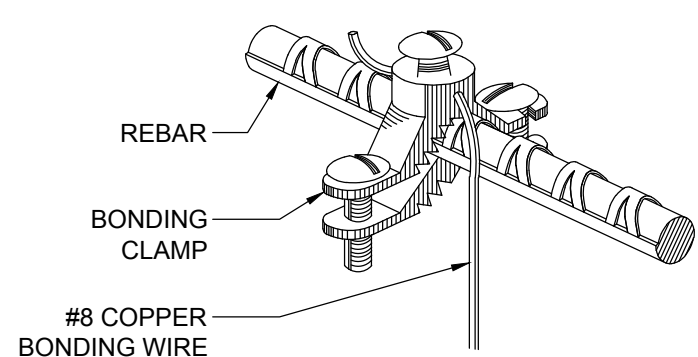
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 - c. CONCRETE REINFORCEMENT SHALL BE BARE STEEL AND SHALL BE TIES WITH METAL WIRES AT EVERY INTERSECTION.
 - d. REINFORCEMENT STEEL SHALL BE BONDED TO CONDUCTOR LOOP AT EACH PLACED SECTION OR EVERY 20 FEET (WHICHEVER IS LESS).
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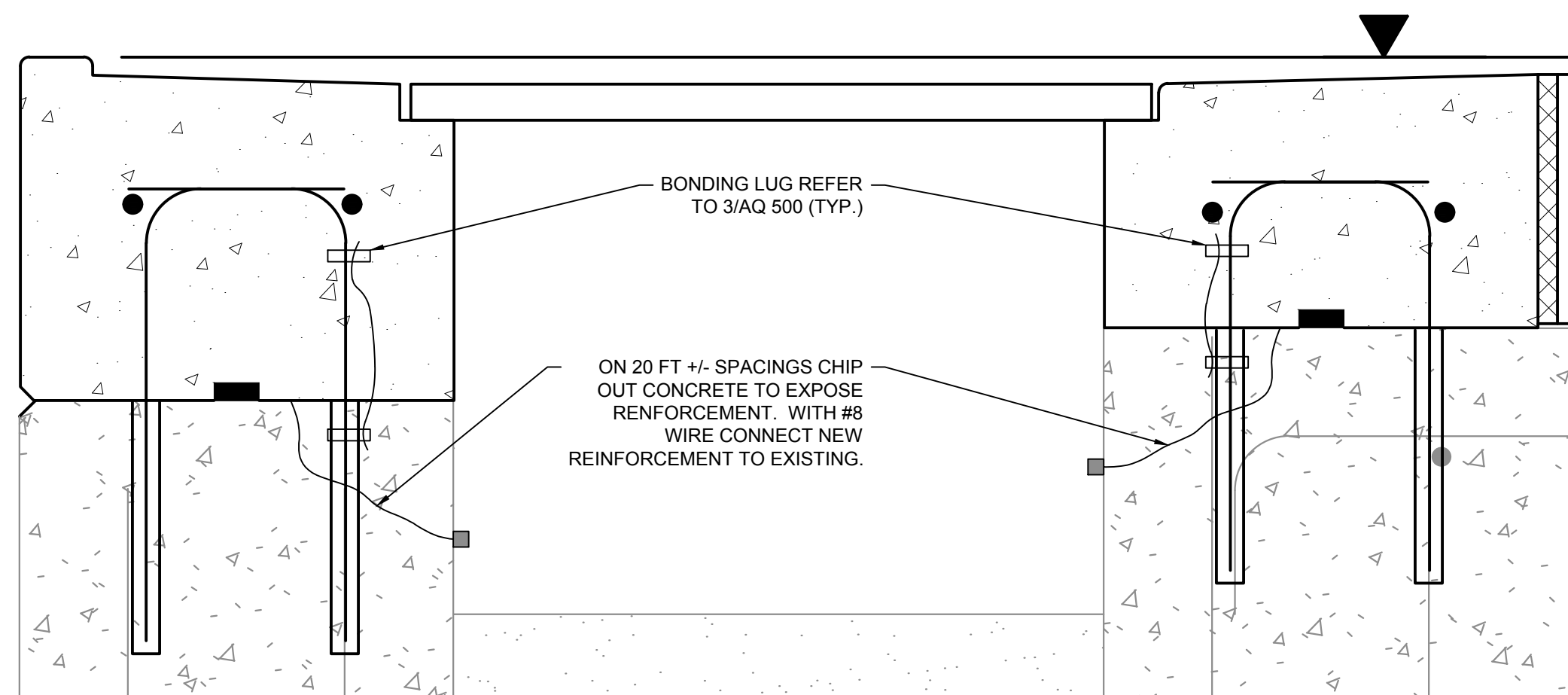
1 WADING POOL BONDING PLAN
1/8" = 1'-0"



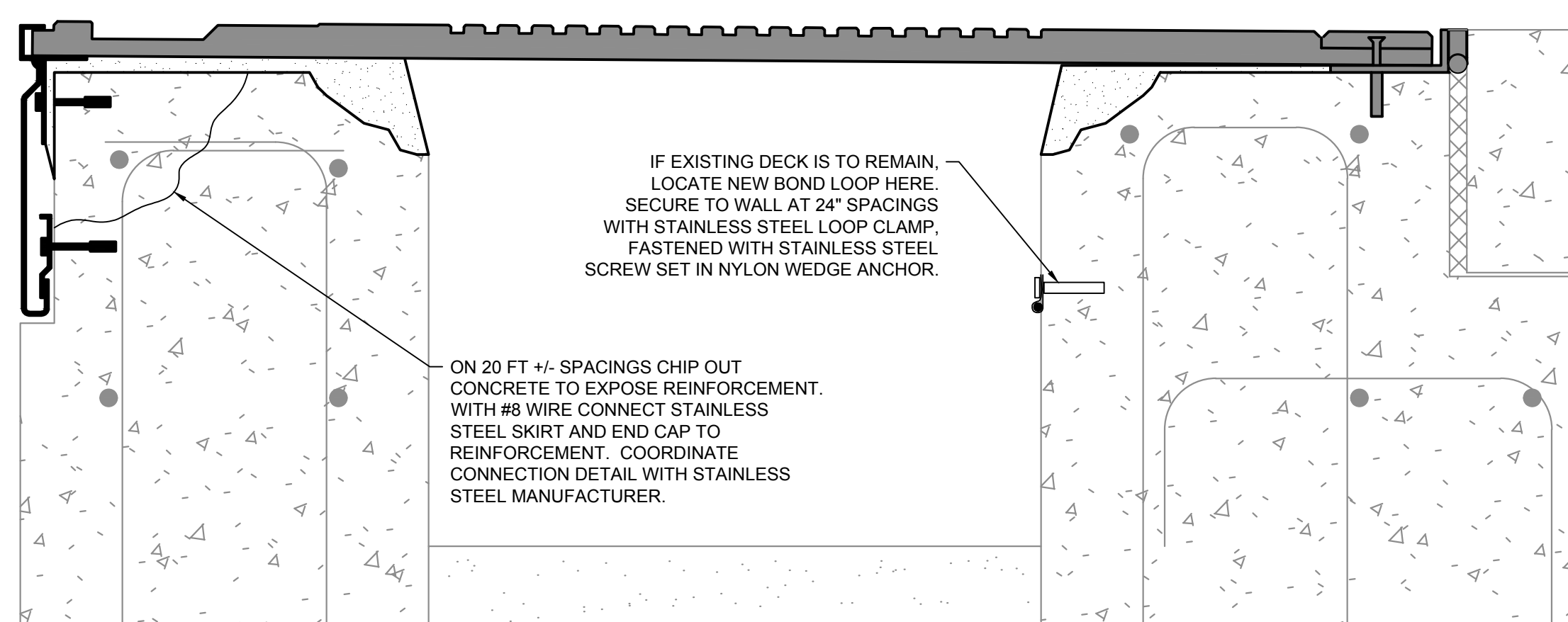
2 INTERACTIVE POOL BONDING PLAN
1/8" = 1'-0"



3 BONDING DETAIL - LUG @ REINF. BAR
NOT TO SCALE



4 BONDING DETAILS AT TOP OF WALL
NOT TO SCALE



OPTION 3

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Drawing Title:

EQUIPOTENTIAL
BONDING PLAN AND
DETAILS ALTERNATE
SCOPE

Sheet Number:

AQ-510

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