

GENERAL CIVIL NOTES

GENERAL:

- ALL PERMITS WILL BE SECURED BY THE CONTRACTOR AND IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COMPLY WITH THE CONDITIONS AND REQUIREMENTS OF THE PERMITS.
- THE CONTRACTOR SHALL TAKE EFFECTIVE ACTION TO PREVENT THE FORMATION OF AN AIRBORNE DUST NUISANCE AND SHALL BE RESPONSIBLE FOR DAMAGE RESULTING FROM THEIR FAILURE TO DO SO.
- THE CONTRACTOR SHALL PROVIDE ALL LIGHTS, SIGNS, BARRICADES, FLAGMEN OR OTHER DEVICES NECESSARY TO PROVIDE FOR SAFETY.
- THE CONTRACTOR SHALL POST EMERGENCY TELEPHONE NUMBERS FOR THE POLICE, FIRE AMBULANCE, AND THOSE AGENCIES RESPONSIBLE FOR MAINTENANCE OF UTILITIES IN THE VICINITY OF THE JOB SITE.
- LENGTHS OF SANITARY SEWERS AND STORM DRAINS SPECIFIED ARE HORIZONTAL DISTANCES AS MEASURED FROM CENTERS OF STRUCTURES ROUNDED TO THE NEAREST FOOT.
- EXISTING UNDERGROUND UTILITIES AND IMPROVEMENTS ARE SHOWN IN THEIR APPROXIMATE LOCATIONS BASED UPON RECORD INFORMATION AVAILABLE TO THE ENGINEER AT THE TIME OF PREPARATION OF THESE PLANS. LOCATIONS MAY NOT HAVE BEEN VERIFIED IN THE FIELD AND NO GUARANTEE IS MADE AS TO THE ACCURACY OR COMPLETENESS OF THE INFORMATION SHOWN. THE CONTRACTOR SHALL PERFORM A FIELD OBSERVATION LOCATING ALL EXISTING UTILITIES INCLUDING ELEVATIONS AND NOTIFY THE VA AND THE ENGINEER OF ANY CONFLICTS PRIOR TO CONSTRUCTION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXISTING LOCATIONS OF UTILITIES SHOWN ON THESE PLANS. ANY ADDITIONAL COST INCURRED AS A RESULT OF THE CONTRACTOR'S FAILURE TO VERIFY LOCATIONS OF THE EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION SHALL BE BORNE BY THE CONTRACTOR.
- CONTRACTOR TO VERIFY ALL EXISTING INVERT ELEVATIONS FOR STORM DRAIN AND SANITARY SEWER CONSTRUCTION PRIOR TO ANY WORK. ALL WORK FOR STORM DRAIN AND SANITARY SEWER INSTALLATION SHALL BEGIN AT THE DOWNSTREAM CONNECTION POINT. THIS WILL ALLOW FOR ANY NECESSARY ADJUSTMENTS TO BE MADE PRIOR TO THE INSTALLATION OF THE ENTIRE LINE. IF THE CONTRACTOR FAILS TO BEGIN AT THE DOWNSTREAM CONNECTION POINT AND WORKS UPSTREAM, HE SHALL PROCEED AT HIS OWN RISK AND BE RESPONSIBLE FOR ANY ADJUSTMENTS NECESSARY.
- CONTRACTOR SHALL UNCOVER AND EXPOSE ALL EXISTING UTILITY AND SEWER LINES WHERE THEY ARE CROSSED ABOVE OR BELOW BY THE NEW FACILITY BEING CONSTRUCTED IN ORDER TO VERIFY THE GRADE AND TO ASSURE THAT THERE IS SUFFICIENT CLEARANCE. PIPES SHALL NOT BE STRUNG NOR TRENCHING COMMENCED UNTIL ALL CROSSINGS HAVE BEEN VERIFIED FOR CLEARANCE. IF THE CONTRACTOR FAILS TO FOLLOW THIS PROCEDURE HE WILL BE SOLELY RESPONSIBLE FOR ANY EXTRA WORK OR MATERIAL REQUIRED IF MODIFICATIONS TO THE DESIGN ARE NECESSARY.
- ALL EXISTING UTILITIES AND IMPROVEMENTS THAT BECOME DAMAGED DURING CONSTRUCTION SHALL BE COMPLETELY RESTORED TO THE SATISFACTION OF THE OWNER AT THE CONTRACTOR'S SOLE EXPENSE.
- CONTRACTOR TO TAKE NECESSARY PRECAUTIONARY MEASURES TO PREVENT SOIL EROSION AND SEDIMENTATION. EXISTING AND PROPOSED DRAINAGE STRUCTURES TO BE TEMPORARILY COVERED WITH FILTER FABRIC OR EQUAL UNTIL SURROUNDING PAVEMENT IS INSTALLED.
- ANY RELOCATION OF UTILITIES SHALL BE COORDINATED WITH THE VA AND CONDUCTED IN ACCORDANCE WITH ANY AND ALL REQUIREMENTS OF THE OWNER, INCLUDING FEES, BONDS, PERMITS AND WORKING CONDITIONS, ETC. THE OWNER SHALL PAY THE FEES, BONDS, AND FILE THE APPROPRIATE PERMITS FOR ALL SUCH RELOCATION WORK. ALL ON-SITE UTILITY WORK IS THE RESPONSIBILITY OF THE CONTRACTOR (MATERIALS AND INSTALLATION).
- IF ARCHAEOLOGICAL MATERIALS ARE UNCOVERED DURING GRADING, TRENCHING OR OTHER EXCAVATION, EARTHWORK WITHIN 100 FEET OF THESE MATERIALS SHALL BE STOPPED UNTIL A PROFESSIONAL ARCHAEOLOGIST WHO IS CERTIFIED BY THE SOCIETY OF PROFESSIONAL ARCHAEOLOGY (SOPA) HAS HAD AN OPPORTUNITY TO EVALUATE THE SIGNIFICANCE OF THE FIND AND SUGGEST APPROPRIATE MITIGATION MEASURES, IF THEY ARE DEEMED NECESSARY.
- THESE PLANS DO NOT SPECIFY NOR RECOMMEND THE USE OR INSTALLATION OF ANY MATERIAL OR EQUIPMENT WHICH IS MADE FROM, OR WHICH CONTAINS ASBESTOS FOR USE IN THE CONSTRUCTION OF THESE IMPROVEMENTS. ANY PARTY INSTALLING OR USING SUCH MATERIALS OR EQUIPMENT SHALL BE SOLELY RESPONSIBLE FOR ALL INJURIES, DAMAGES, OR LIABILITIES, OF ANY KIND, CAUSED BY THE USE OF SUCH MATERIALS, OR EQUIPMENT. NOTIFY OWNER WHEN DISCOVERING ASBESTOS MATERIALS. REFER TO SPECIFICATION HAZARDOUS MATERIALS PROCEDURES AND CONTROL AND HAZARDOUS MATERIALS ABATEMENT AND CONTROL.
- THE CONTRACTOR SHALL MEET AND FOLLOW ALL (NPDES) NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM REQUIREMENTS IN EFFECT AT THE TIME OF CONSTRUCTION.
- SHOULD IT APPEAR THAT THE WORK TO BE DONE OR ANY MATTER RELATIVE THERETO IS NOT SUFFICIENTLY DETAILED OR EXPLAINED ON THESE PLANS, THE CONTRACTOR SHALL CONTACT THE ENGINEER FOR SUCH FURTHER EXPLANATIONS AS MAY BE NECESSARY.
- CONTRACTOR SHALL ARRANGE, INSTALL, AND PAY FOR ANY TEMPORARY UTILITIES, INCLUDING BUT NOT LIMITED TO TELEPHONE, ELECTRIC, SEWER, WATER, ETC.. THE CONTRACTOR IS TO COORDINATE ANY SUCH UTILITY NEEDS WITH THE VA.
- ALL SITE AREAS SHALL BE GRADED AT 1% MINIMUM FOR DRAINAGE UNLESS OTHERWISE NOTED OR ALONG FLOWLINES OF CONCRETE LINED GUTTERS AND VALLEY GUTTERS.
- ESTIMATED EARTHWORK QUANTITIES SHOWN ARE APPROXIMATE ONLY AND SHOWN FOR THE PURPOSES OF ESTIMATING GRADING PERMIT FEES. HOHBACH-LEWIN ASSUMES NO LIABILITY FOR THE ACCURACY OF THESE QUANTITIES.
- WHERE EXISTING STRUCTURES ARE TO REMAIN IN CONSTRUCTION ZONE AREA, CONTRACTOR SHALL ADJUST RIMS OF THESE STRUCTURES, I.E. CATCH BASINS, VALVE BOXES, CLEAN OUTS, UTILITY BOXES, ETC. TO NEW FINISH GRADE.
- THE ORGANIC MATERIAL COVERING THE SITE SHALL BE STRIPPED AND STOCKPILED. THE STRIPPINGS SHALL BE USED TO BACKFILL ALL LANDSCAPE PLANTERS AND ROUGH GRADE MOUND AREAS, AS SHOWN ON LANDSCAPE DRAWINGS, TO WITHIN 1" OF GRADES SHOWN. EXCESS STRIPPINGS AND EXCAVATED MATERIAL SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR.
- ADJUSTMENTS TO PAD ELEVATIONS OR PARKING LOT GRADES TO ACHIEVE EARTHWORK BALANCE SHALL BE MADE ONLY WITH APPROVAL OF THE ENGINEER.
- COMPACTION TO BE DETERMINED USING ASTM D1557-LATEST EDITION.
- PROPOSED SPOT GRADES (ELEVATIONS) SHOWN HEREON ARE FINISHED PAVEMENT GRADES, NOT TOP OF CURB GRADES, UNLESS NOTED OTHERWISE.
- THE CONTRACTOR SHALL VERIFY THE CONTENTS AND THICKNESS OF THE BUILDING SLAB SECTION (IE: CONCRETE, SAND, ROCK) WITH THE STRUCTURAL PLANS AND THE ELEVATIONS SHOWN HEREON PRIOR TO COMMENCEMENT OF GRADING.
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE O.S.H.A. REGULATIONS.
- CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.
- WHERE OFF-SITE DRIVEWAY APPROACHES ARE TO BE CONSTRUCTED THE ON-SITE DRIVEWAY SHALL NOT BE CONSTRUCTED UNTIL THE OFF-SITE IMPROVEMENTS ARE INSTALLED. THE ON-SITE DRIVEWAY SHALL CONFORM TO THE COMPLETED OFF-SITE DRIVEWAY.

GENERAL NOTES CONTINUATION

GRADING NOTES:

- UNDERGROUND UTILITY LOCATIONS SHOWN HEREON WERE PROVIDED BY THE VA AND PROFESSIONAL ENGINEERING CONSULTANTS (WWW.PECI.COM). NO GUARANTEE IS MADE OR IMPLIED AS TO THE ACCURACY OF SUCH RECORD DATA. NO EXCAVATIONS WERE MADE TO CONFIRM LOCATIONS. CONTRACTORS ARE CAUTIONED TO CONTACT U.S.A. UNDERGROUND AND TO EXERCISE EXTREME CARE IN VERIFYING ALL LOCATIONS PRIOR TO COMMENCING EXCAVATIONS OR OTHER WORK WHICH MAY AFFECT THESE UTILITIES.
- IRRIGATION LATERALS, PARKING LOT LIGHTING WIRING AND SIGNAL WIRING NOT SHOWN. VERIFY LOCATION BEFORE COMMENCING TRENCHING. REPLACE OR REPAIR IMMEDIATELY WHERE BROKEN TO PROVIDE UNINTERRUPTED SERVICE.
- ALL FINISH GRADES SHOWN ARE FINISH GRADE ELEVATIONS UNLESS NOTED OTHERWISE.

UTILITY NOTES:

- THIS SURVEY IS NOT INTENDED TO REPRESENT THE EXACT LOCATIONS, SIZES OR EXTENT OF THE UTILITIES WITHIN THE AREA ENCOMPASSED BY THIS SURVEY. THEREFORE, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATION, SIZE AND EXTENT OF ANY EXISTING UTILITIES PRIOR TO DESIGN OR CONSTRUCTION. CONTRACTORS ARE CAUTIONED TO EXERCISE EXTREME CARE IN VERIFYING ALL LOCATIONS PRIOR TO COMMENCING EXCAVATIONS OR OTHER WORK WHICH MAY AFFECT THESE UTILITIES.
- IRRIGATION LATERALS, PARKING LOT LIGHTING WIRING AND SIGNAL WIRING NOT SHOWN. VERIFY LOCATION BEFORE COMMENCING TRENCHING. REPLACE OR REPAIR IMMEDIATELY WHERE BROKEN TO PROVIDE UNINTERRUPTED SERVICE.
- UTILITY ABANDONMENT/REMOVAL: DISCONNECT AND CAP PIPES AND SERVICES TO REMAIN. REMOVE ALL PORTIONS OF ALL UTILITIES WITHIN NEW BUILDING FOOTPRINT AND DISPOSE OF OFF-SITE. OTHERWISE ABANDON IN PLACE UNLESS NOTED OTHERWISE.
- NOTIFY THE ENGINEER IMMEDIATELY OF ANY UTILITIES ENCOUNTERED THAT ARE NOT SHOWN ON THE DRAWINGS. PRESERVE AND REPAIR ANY UTILITIES THAT ARE DAMAGED AND THAT ARE TO REMAIN.
- CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL CROSSINGS OF NEW UTILITIES WITH EACH OTHER, AND WITH EXISTING UTILITIES. VERIFY EXISTING PIPE LOCATION AND INVERT PRIOR TO INSTALLING NEW UTILITIES. NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES OR DEVIATIONS.
- PRIOR TO CONNECTING TO EXISTING UTILITIES FIELD VERIFY LOCATION & INVERT OR DEPTH PRIOR TO INSTALLING NEW PIPE OR EQUIPMENT.
- EACH BUILDING WATER SERVICE CONNECTION SHALL BE WITH VALVE AND VALVE BOX SET AT GRADE.
- ALL BUILDING SEWER LATERALS SHALL BE WITH CLEANOUT TO GRADE.
- ALL CATCH BASINS WITHIN VEHICULAR AREAS SHALL BE TRAFFIC RATED FOR H20 VEHICULAR LOADS. FOR CATCH BASINS IN WALKWAY AREAS, INCLUDING EXISTING CATCH BASINS, USE HEEL PROOF AND ADA GRATE.

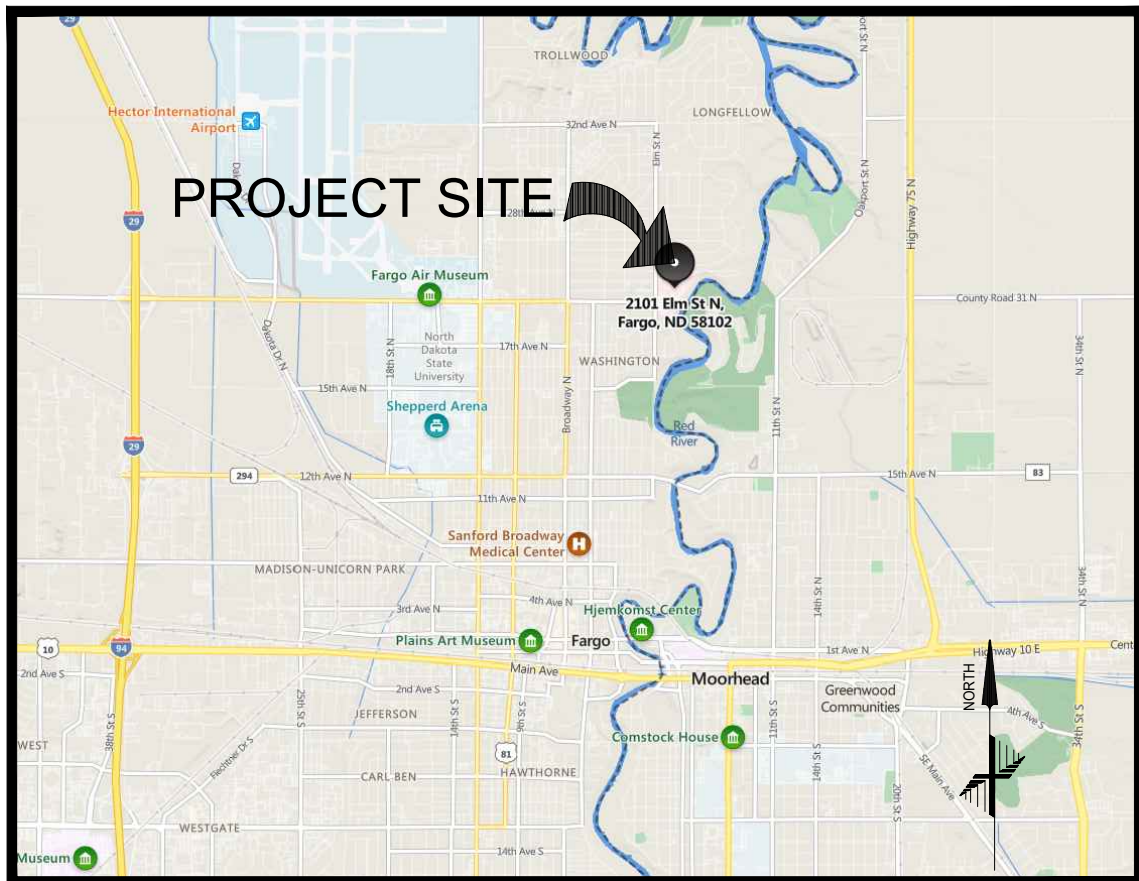
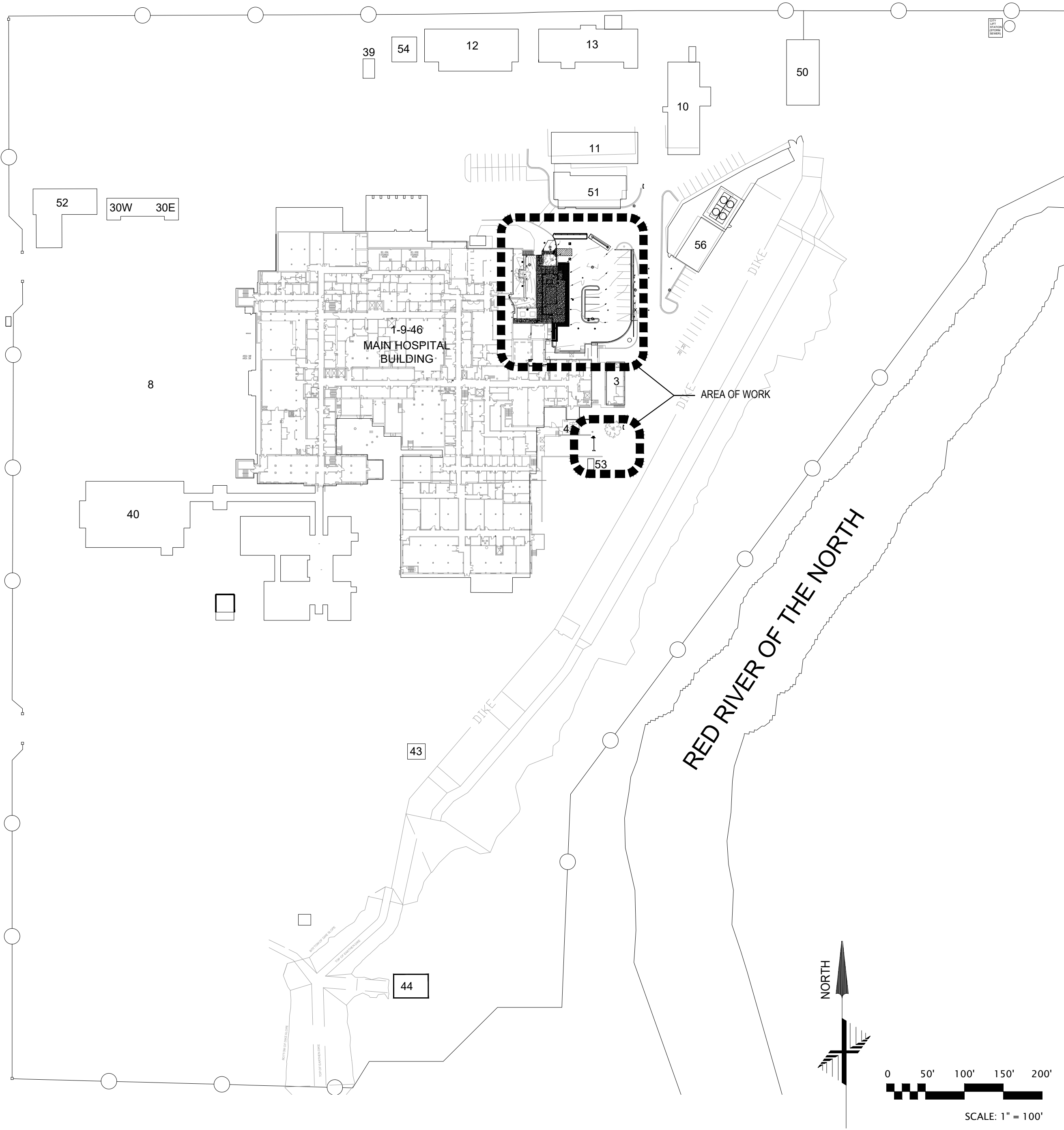
ADA COMPLIANCE:

- ALL NEW WORK SHALL CONFORM TO THE AMERICANS WITH DISABILITIES ACT 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN, AND ANY LOCAL OR STATE AMENDMENTS THEREOF.
- ALL NEW CURB RAMPS SHALL NOT EXCEED A SLOPE OF 1:12 (8.33%).
- ALL NEW ENTRANCE WALKS TO THE BUILDINGS SHALL NOT EXCEED A SLOPE OF 1:20 (5%) LONGITUDINALLY UNLESS RAILINGS ARE PROVIDED IN WHICH CASE THE SLOPE SHALL NOT EXCEED 1:12 (8.33%). SEE ARCHITECTURAL PLANS FOR RAILING REQUIREMENTS.
- LANDINGS SHALL BE PROVIDED AT PRIMARY ENTRANCES TO BUILDINGS WITH A 2% MAXIMUM SLOPE. THE LANDINGS SHALL HAVE A MINIMUM WIDTH OF 60" AND A MINIMUM DEPTH OF 60" WHEN THE DOOR OPENS INTO THE BUILDING, AND 42" PLUS THE WIDTH OF THE DOOR WHEN THE DOOR OPENS ONTO THE LANDING.
- RAMPS ARE DEFINED AS ANY WALKWAY BETWEEN SLOPES OF 1:20 (5%) AND 1:12 (8.33%), AND SHALL HAVE A MINIMUM WIDTH OF 48" AND A MAXIMUM CROSS-SLOPE OF 2%. RAMPS EXCEEDING 30" VERTICAL DROP SHALL HAVE INTERMEDIATE (2% MAXIMUM SLOPE) LANDINGS HAVING A MINIMUM LENGTH IN THE DIRECTION OF TRAVEL OF 50". BOTTOM LANDINGS AND LANDINGS AT CHANGES IN RAMP DIRECTION SHALL HAVE A MINIMUM LENGTH OF 72".
- MAXIMUM CROSS-SLOPE ON ANY SIDEWALK OR RAMP SHALL BE 2%.

GEOTECHNICAL CRITERIA:

- ALL WORK INCLUDING GRADING, TRENCHING, COMPACTION, AND SUBBASES SHALL FOLLOW THE RECOMMENDATIONS OF THE PROJECT GEOTECHNICAL REPORT/VA SPECIFICATIONS.
- ALL ENGINEERED FILL SHALL HAVE A MINIMUM RELATIVE COMPACTION PER PROJECT GEOTECHNICAL REPORT/VA SPECIFICATIONS.

IMPROVEMENT PLANS
FOR
DEPARTMENT OF VETERANS AFFAIRS
2101 ELM STREET NORTH
FARGO, NORTH DAKOTA 58102



VICINITY MAP

LEGEND

BOUNDARY LINES	CENTER LINE
EASEMENT LINE	PROPERTY LINE
ADJACENT PROPERTY LINE	
MISCELLANEOUS LINES	SIDEWALK
LIP OF GUTTER	FENCE-WIRE
UTILITY LINES	ELECTRIC
FIBER OPTIC	FIRE SERVICE
GAS LINE	IRRIGATION LINE
JOINT TRENCH	NITROGEN GAS
OVERHEAD	RECYCLED WATER
STORM DRAIN	SANITARY SEWER
TELEPHONE	WATER
UTILITY LEGEND	FIRE HYDRANT
WATER VALVE	WATER METER
STORM DRAIN MANHOLE	BACKFLOW PREVENTER
CATCH BASIN	AREA DRAIN
CLEANOUT TO GRADE	FIRE DEPARTMENT CONNECTION

ABBREVIATIONS

AB	AGGREGATE BASE
AC	ASPHALTIC CONCRETE
AD	AREA DRAIN
ATT	AT&T
BC	BACK OF CURB
BFP	BACKFLOW PREVENTER
BLDG	BUILDING
BOL	BOLLARD
BOW	BACK OF WALK
BW	BOTTOM OF WALL
BW/FS	BOTTOM OF WALL/FINISHED SURFACE
C	CONCRETE
CATV	CABLE TV
CB	CATCH BASIN
CONC	CONCRETE
COTG	CLEANOUT TO GRADE
DS	DRAIN INLET
DS	DOWN SPOUT
E	ELECTRIC OR EAST
EW	EACH WAY
EX	EXISTING
(E)	EXISTING
ELEC	ELECTRIC
ESMT	EASEMENT
G	GAS
GB	GRADE BREAK
FF	FINISHED FLOOR
FG	FINISHED GRADE
FL	FLOWLINE
FM	FORCE MAIN
FNC	FENCE
FS	FINISHED SURFACE
GRN	GROUND
HP	HIGH POINT
INV	INVERT
JP	JOINT POLE
LF	LINEAR FEET
LIP	LIP OF GUTTER
LT	LIGHT
M	MAPS
N	NORTH
NE	NORTHEAST
NTS	NOT TO SCALE
NW	NORTHWEST
OC	ON CENTER
OH	OVERHEAD
OR	OF RECORD
PERF	PERFORATED PIPE
POC	POINT OF CONNECTION
PV	PAVEMENT
RC	RELATIVE COMPACTION
RW	RECYCLED WATER
RIM	RIM OF UTILITY OBJECT
S	SOUTH
SD	STORMDRAIN
SE	SOUTHEAST
SS	SANITARY SEWER
SL	STREET LIGHT
SW	SOUTHWEST
T	TREE
TC	TOP OF CURB
TW	TOP OF WALL
TW/FS	TOP OF WALL/FINISHED SURFACE
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
USA	UNDERGROUND SERVICE ALERT
VS	VALLEY GUTTER
W	WATER/WEST/WITH
WM	WATER METER
WTR	WATER
WV	WATER VALVE

SHEET INDEX

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C500	DETAILS
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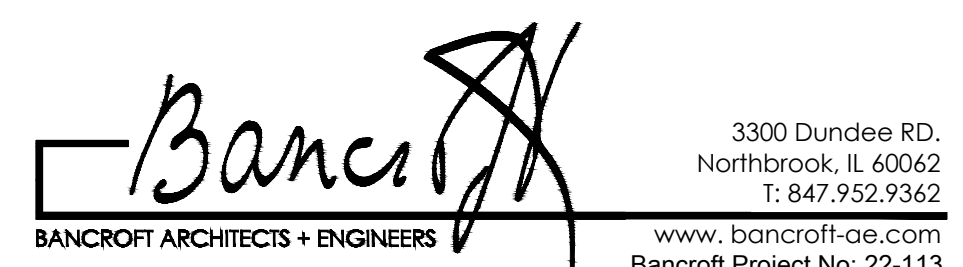
ISSUE FOR BID - 01/16/2024

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CONSULTANT



ARCHITECT/ENGINEER OF RECORD



STAMP



Office of
Construction
and Facilities
Management

VA U.S. Department
of Veterans Affairs

Drawing Title

COVER SHEET

Approved: Project Director

Phase

ISSUE FOR BID

BUILDING FULLY
SPRINKLERED

Project Title

EHRM INFRASTRUCTURE
UPGRADES - TIER 2

Location

FARGO VA HEALTH CARE SYSTEM

Issue Date

01/16/2024

Checked

Drawn

Project Number

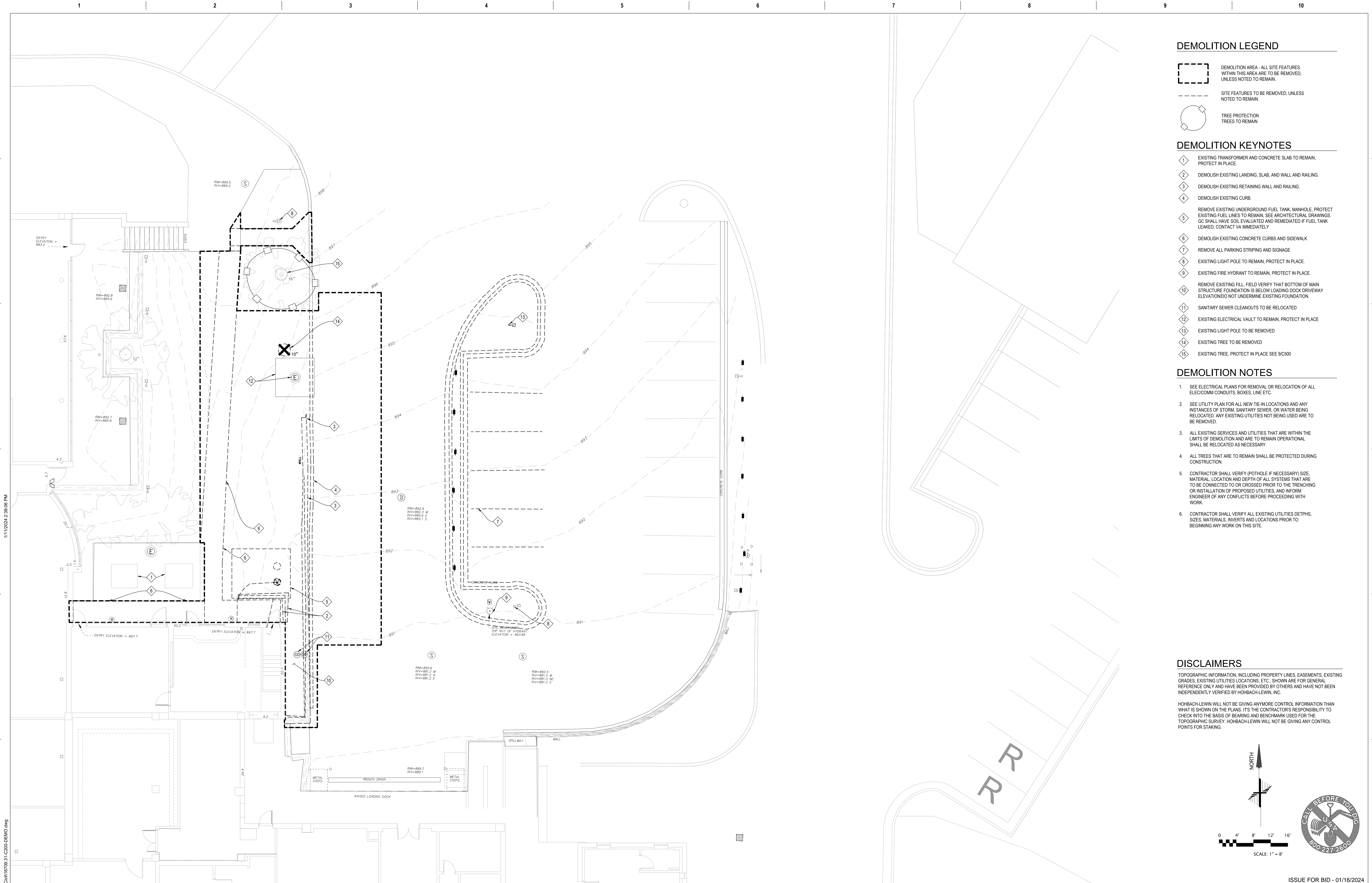
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Building Number

Drawing Number

C100

C101



DEMOLITION LEGEND

- DEMOLITION AREA - ALL SITE FEATURES WITHIN THIS AREA ARE TO BE REMOVED, UNLESS NOTED TO REMAIN.
- SITE FEATURES TO BE REMOVED, UNLESS NOTED TO REMAIN.
- TREE PROTECTION TREES TO REMAIN

DEMOLITION KEYNOTES

- EXISTING TRANSFORMER AND CONCRETE SLAB TO REMAIN, PROTECT IN PLACE.
- DEMOLISH EXISTING LANDING, SLAB, AND WALL AND RAILING.
- DEMOLISH EXISTING RETAINING WALL AND RAILING.
- DEMOLISH EXISTING CURB.
- REMOVE EXISTING UNDERGROUND FUEL TANK, MANHOLE, PROTECT EXISTING FUEL LINES TO REMAIN, SEE ARCHITECTURAL DRAWINGS GC SHALL HAVE SOIL EVALUATED AND REMEDIATED IF FUEL TANK LEAKED, CONTACT VA IMMEDIATELY
- DEMOLISH EXISTING CONCRETE CURBS AND SIDEWALK
- REMOVE ALL PARKING STRIPING AND SIGNAGE
- EXISTING LIGHT POLE TO REMAIN, PROTECT IN PLACE.
- EXISTING FIRE HYDRANT TO REMAIN, PROTECT IN PLACE.
- REMOVE EXISTING FILL, FIELD VERIFY THAT BOTTOM OF MAIN STRUCTURE FOUNDATION IS BELOW LOADING DOCK DRIVEWAY ELEVATION DO NOT UNDERMINE EXISTING FOUNDATION.
- SANITARY SEWER CLEANOUTS TO BE RELOCATED
- EXISTING ELECTRICAL VAULT TO REMAIN, PROTECT IN PLACE
- EXISTING LIGHT POLE TO BE REMOVED
- EXISTING TREE TO BE REMOVED
- EXISTING TREE, PROTECT IN PLACE SEE 9/C500

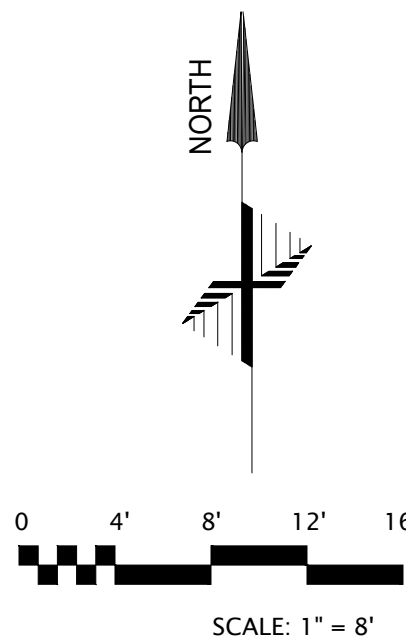
DEMOLITION NOTES

- SEE ELECTRICAL PLANS FOR REMOVAL OR RELOCATION OF ALL ELEC/COMM CONDUITS, BOXES, LINE ETC.
- SEE UTILITY PLAN FOR ALL NEW TIE-IN LOCATIONS AND ANY INSTANCES OF STORM, SANITARY SEWER, OR WATER BEING RELOCATED. ANY EXISTING UTILITIES NOT BEING USED ARE TO BE REMOVED.
- ALL EXISTING SERVICES AND UTILITIES THAT ARE WITHIN THE LIMITS OF DEMOLITION AND ARE TO REMAIN OPERATIONAL SHALL BE RELOCATED AS NECESSARY.
- ALL TREES THAT ARE TO REMAIN SHALL BE PROTECTED DURING CONSTRUCTION.
- CONTRACTOR SHALL VERIFY (POTHOLE IF NECESSARY) SIZE, MATERIAL, LOCATION AND DEPTH OF ALL SYSTEMS THAT ARE TO BE CONNECTED TO OR CROSSED PRIOR TO THE TRENCHING OR INSTALLATION OF PROPOSED UTILITIES, AND INFORM ENGINEER OF ANY CONFLICTS BEFORE PROCEEDING WITH WORK.
- CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES DETPHS, SIZES, MATERIALS, INVERTS AND LOCATIONS PRIOR TO BEGINNING ANY WORK ON THIS SITE.

DISCLAIMERS

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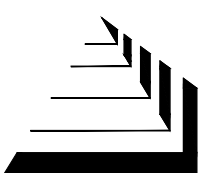
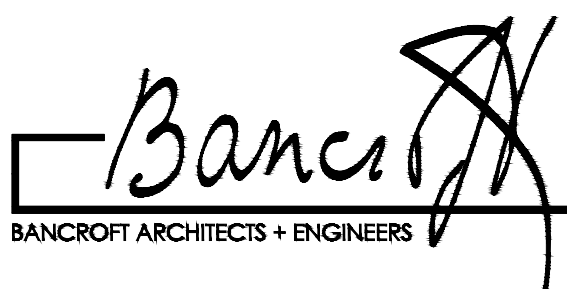


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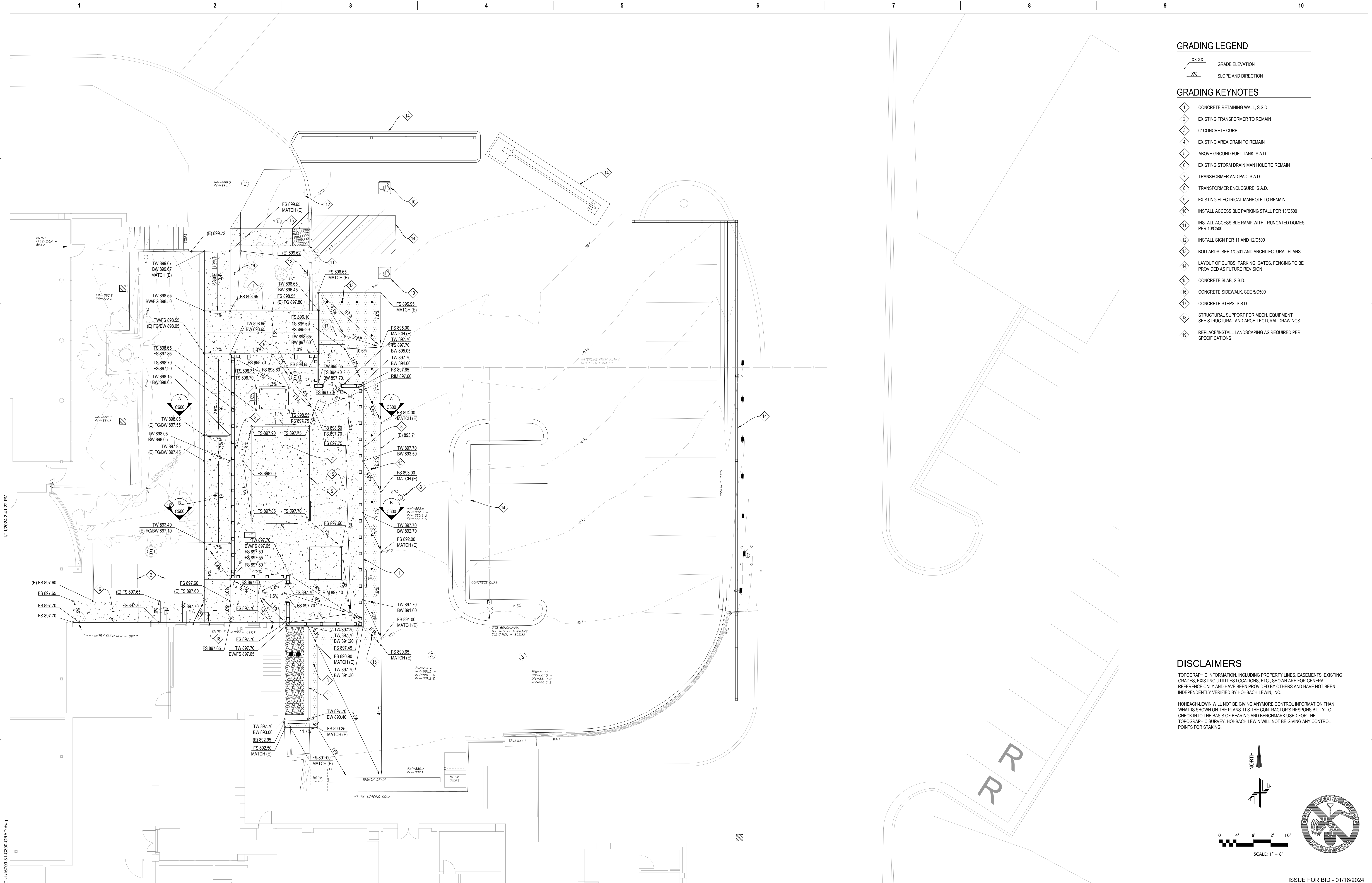
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<div>ISSUE FOR BID</div> <div>Revisions:</div>		<div>CONSULTANT</div> <div>HOHBACH-LEWIN, INC. STRUCTURAL & CIVIL ENGINEERS 545 Sansome Street, Suite 850 San Francisco, CA 94111 (415) 318-8520</div>		<div>ARCHITECT/ENGINEER OF RECORD</div> <div>BANCROFT ARCHITECTS + ENGINEERS 3300 Dundee Rd. Northbrook, IL 60062 T: 847.952.9362 www.bancroft-ae.com Bancroft Project No: 22-113</div>		<div>STAMP</div> <div></div>	<div>Office of Construction and Facilities Management</div> <div> U.S. Department of Veterans Affairs</div>	<div>Drawing Title</div> <div>DEMOLITION PLAN</div> <div>Approved: Project Director</div>	<div>Phase</div> <div>ISSUE FOR BID</div> <div>BUILDING FULLY SPRINKLERED</div>	<div>Project Title</div> <div>EHRM INFRASTRUCTURE UPGRADES - TIER 2</div> <div>Location</div> <div>FARGO VA HEALTH CARE SYSTEM</div> <div>Issue Date</div> <div>01/16/2024</div> <div>Checked</div> <div>Drawn</div>	<div>Project Number</div> <div>437-21-210</div> <div>Building Number</div> <div></div> <div>Drawing Number</div> <div>C200</div>
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GRADING LEGEND

- XX.XX GRADE ELEVATION
-X% SLOPE AND DIRECTION

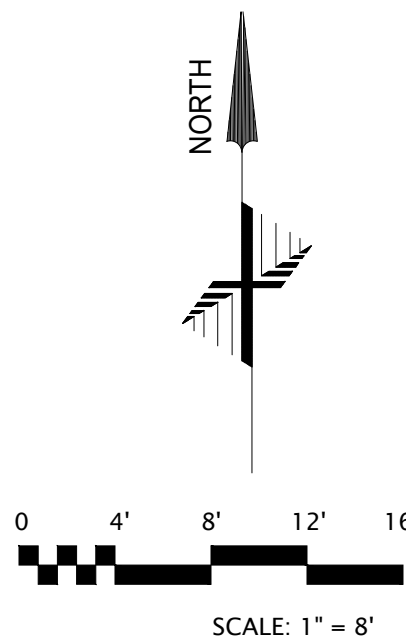
GRADING KEYNOTES

- CONCRETE RETAINING WALL, S.S.D.
- EXISTING TRANSFORMER TO REMAIN
- 6" CONCRETE CURB
- EXISTING AREA DRAIN TO REMAIN
- ABOVE GROUND FUEL TANK, S.A.D.
- EXISTING STORM DRAIN MAN HOLE TO REMAIN
- TRANSFORMER AND PAD, S.A.D.
- TRANSFORMER ENCLOSURE, S.A.D.
- EXISTING ELECTRICAL MANHOLE TO REMAIN
- INSTALL ACCESSIBLE PARKING STALL PER 13/C500 PER 10/C500
- INSTALL ACCESSIBLE RAMP WITH TRUNCATED DOMES PER 10/C500
- INSTALL SIGN PER 11 AND 12/C500
- BOLLARDS, SEE 1/C501 AND ARCHITECTURAL PLANS
- LAYOUT OF CURBS, PARKING, GATES, FENCING TO BE PROVIDED AS FUTURE REVISION
- CONCRETE SLAB, S.S.D.
- CONCRETE SIDEWALK, SEE 5/C500
- CONCRETE STEPS, S.S.D.
- STRUCTURAL SUPPORT FOR MECH. EQUIPMENT SEE STRUCTURAL AND ARCHITECTURAL DRAWINGS
- REPLACE/INSTALL LANDSCAPING AS REQUIRED PER SPECIFICATIONS

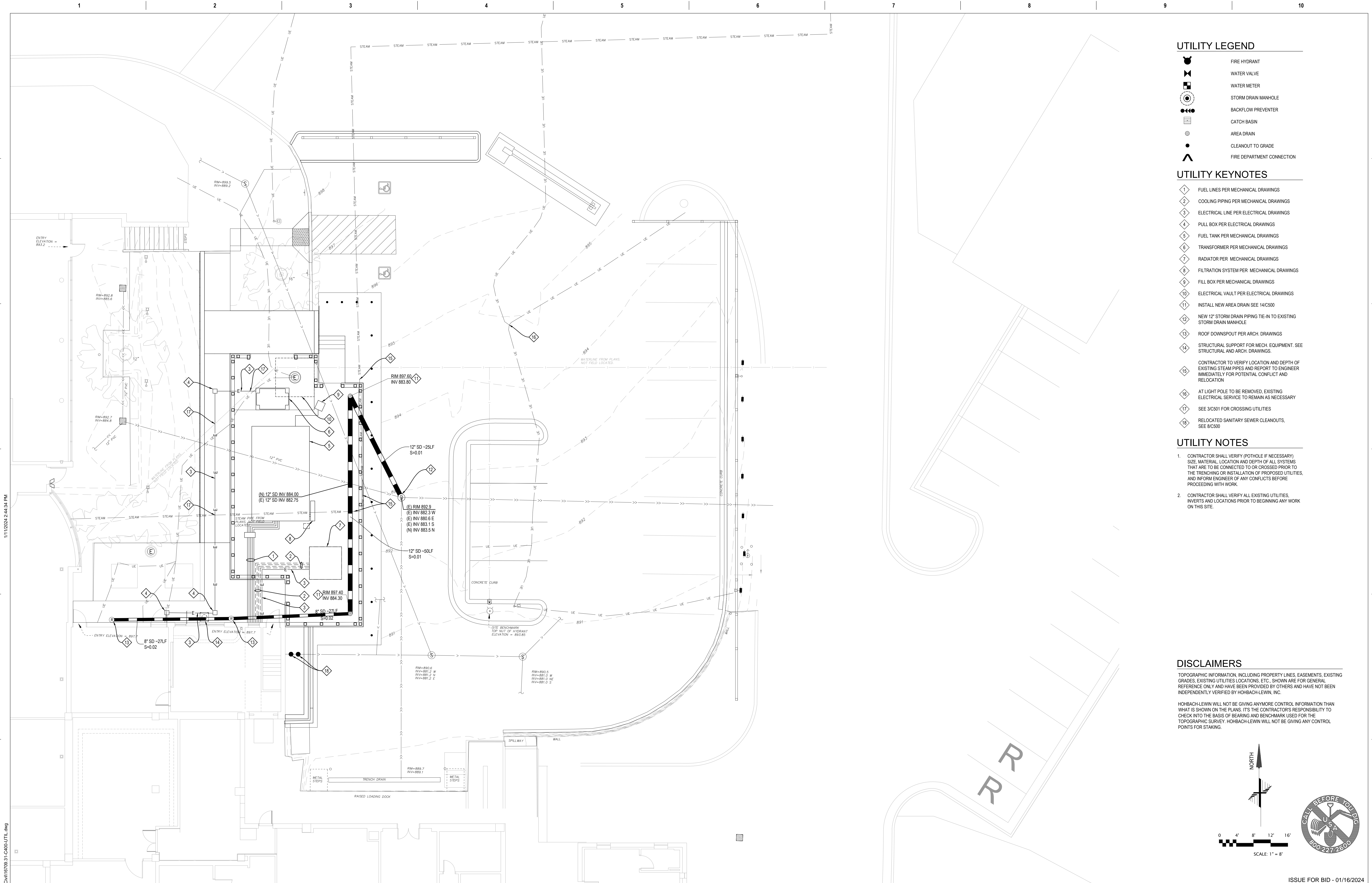
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											Issue Date		C300	
											Checked			
											Drawn			



UTILITY LEGEND

- FIRE HYDRANT
- WATER VALVE
- WATER METER
- STORM DRAIN MANHOLE
- BACKFLOW PREVENTER
- CATCH BASIN
- AREA DRAIN
- CLEANOUT TO GRADE
- FIRE DEPARTMENT CONNECTION

UTILITY KEYNOTES

- FUEL LINES PER MECHANICAL DRAWINGS
- COOLING PIPING PER MECHANICAL DRAWINGS
- ELECTRICAL LINE PER ELECTRICAL DRAWINGS
- PULL BOX PER ELECTRICAL DRAWINGS
- FUEL TANK PER MECHANICAL DRAWINGS
- TRANSFORMER PER MECHANICAL DRAWINGS
- RADIATOR PER MECHANICAL DRAWINGS
- FILTRATION SYSTEM PER MECHANICAL DRAWINGS
- FILL BOX PER MECHANICAL DRAWINGS
- ELECTRICAL VAULT PER ELECTRICAL DRAWINGS
- INSTALL NEW AREA DRAIN SEE 14/C500
- NEW 12" STORM DRAIN PIPING TIE-IN TO EXISTING STORM DRAIN MANHOLE
- ROOF DOWNSPOUT PER ARCH. DRAWINGS
- STRUCTURAL SUPPORT FOR MECH. EQUIPMENT. SEE STRUCTURAL AND ARCH. DRAWINGS.
- CONTRACTOR TO VERIFY LOCATION AND DEPTH OF EXISTING STEAM PIPES AND REPORT TO ENGINEER IMMEDIATELY FOR POTENTIAL CONFLICT AND RELOCATION
- AT LIGHT POLE TO BE REMOVED. EXISTING ELECTRICAL SERVICE TO REMAIN AS NECESSARY
- SEE 3/C501 FOR CROSSING UTILITIES
- RELOCATED SANITARY SEWER CLEANOUTS. SEE 8/C500

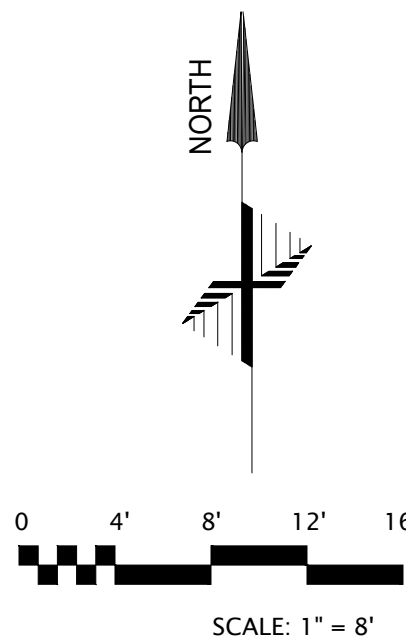
UTILITY NOTES

- CONTRACTOR SHALL VERIFY (POTHOLE IF NECESSARY) SIZE, MATERIAL, LOCATION AND DEPTH OF ALL SYSTEMS THAT ARE TO BE CONNECTED TO OR CROSSED PRIOR TO THE TRENCHING OR INSTALLATION OF PROPOSED UTILITIES, AND INFORM ENGINEER OF ANY CONFLICTS BEFORE PROCEEDING WITH WORK.
- CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES, INVERTS AND LOCATIONS PRIOR TO BEGINNING ANY WORK ON THIS SITE.

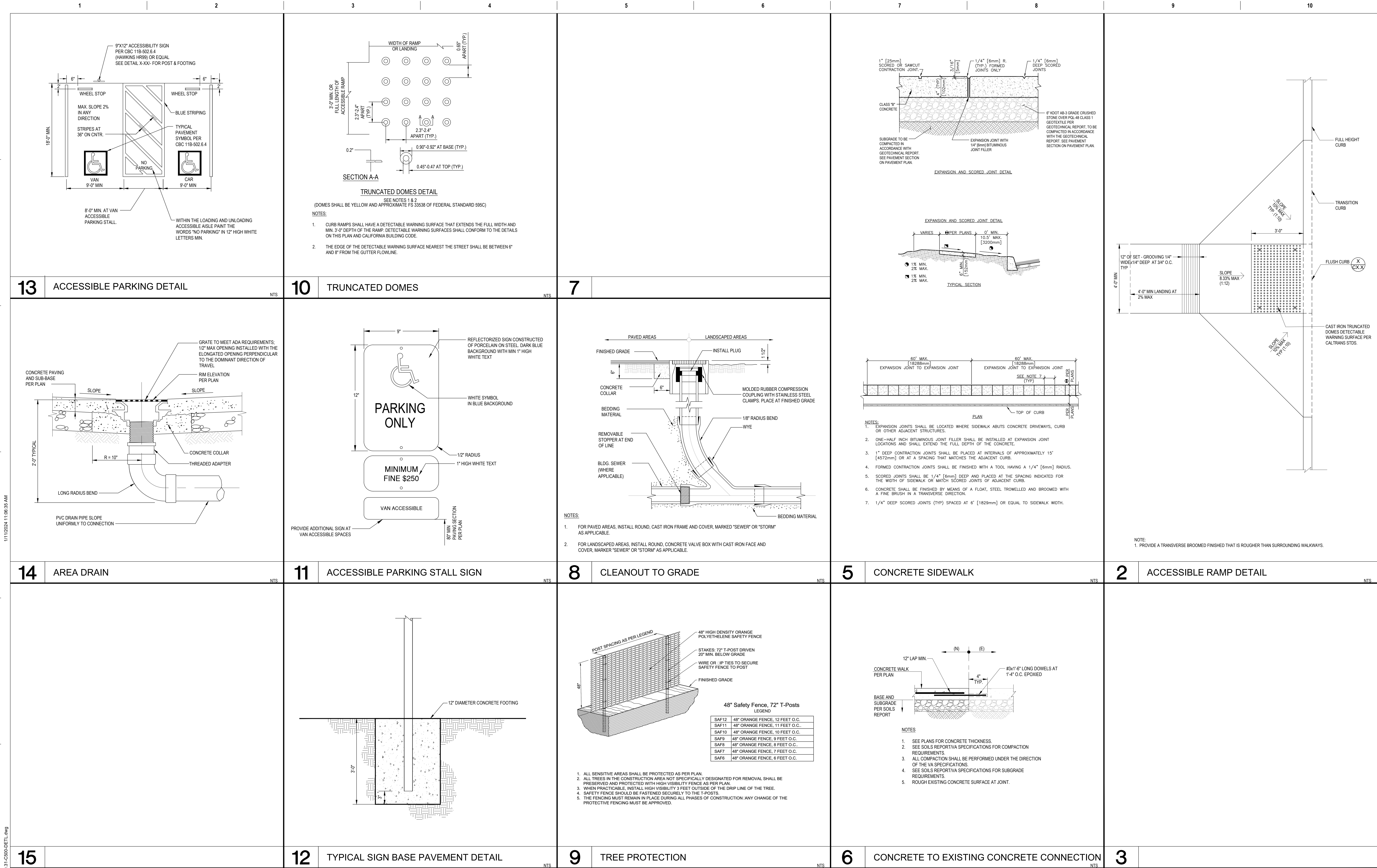
DISCLAIMERS

TOPOGRAPHIC INFORMATION, INCLUDING PROPERTY LINES, EASEMENTS, EXISTING GRADES, EXISTING UTILITIES LOCATIONS, ETC., SHOWN ARE FOR GENERAL REFERENCE ONLY AND HAVE BEEN PROVIDED BY OTHERS AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY HOHBACH-LEWIN, INC.

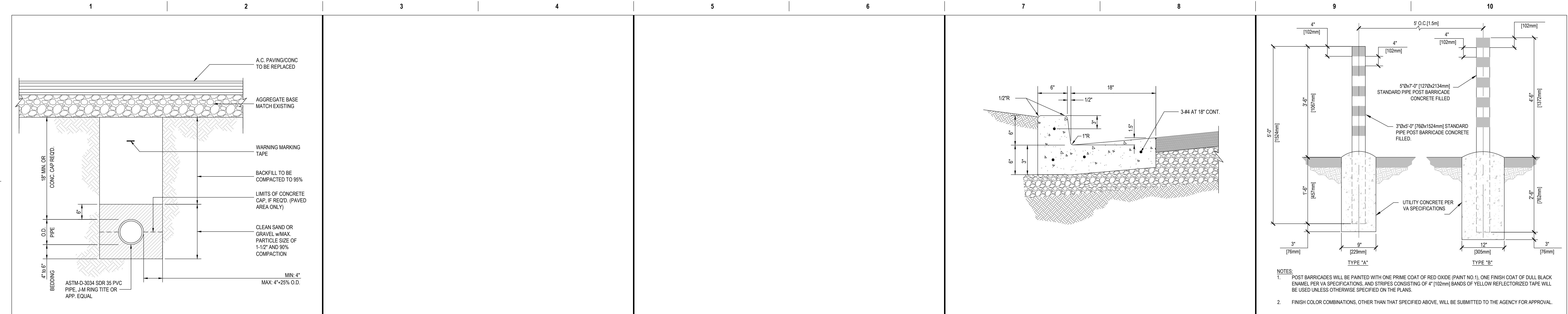
HOHBACH-LEWIN WILL NOT BE GIVING ANYMORE CONTROL INFORMATION THAN WHAT IS SHOWN ON THE PLANS. IT'S THE CONTRACTOR'S RESPONSIBILITY TO CHECK INTO THE BASIS OF BEARING AND BENCHMARK USED FOR THE TOPOGRAPHIC SURVEY. HOHBACH-LEWIN WILL NOT BE GIVING ANY CONTROL POINTS FOR STAKING.



<div>ISSUE FOR BID</div> <div>Revisions:</div> <div>01-16-24</div> <div>Date:</div>	<div>CONSULTANT</div> <div> HOHBACH-LEWIN, INC. STRUCTURAL & CIVIL ENGINEERS 545 Sansome Street, Suite 850 San Francisco, CA 94111 (415) 318-8520</div>	<div>ARCHITECT/ENGINEER OF RECORD</div> <div> Bancroft 3300 Dundee RD. Northbrook, IL 60062 T: 847.952.9362 www.bancroft-ae.com Bancroft Project No: 22-113</div>	<div>STAMP</div> <div></div>	<div>Office of Construction and Facilities Management</div> <div>VA U.S. Department of Veterans Affairs</div>	<div>Drawing Title</div> <div>UTILITY PLAN</div> <div>Approved: Project Director</div>	<div>Phase</div> <div>ISSUE FOR BID</div> <div>BUILDING FULLY SPRINKLERED</div>	<div>Project Title</div> <div>EHRM INFRASTRUCTURE UPGRADES - TIER 2</div> <div>Location</div> <div>FARGO VA HEALTH CARE SYSTEM</div> <div>Issue Date</div> <div>01/16/2024</div> <div>Checked</div> <div>Drawn</div>	<div>Project Number</div> <div>437-21-210</div> <div>Building Number</div> <div></div> <div>Drawing Number</div> <div>C400</div>
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ISSUE FOR BID		CONSULTANT		ARCHITECT/ENGINEER OF RECORD		STAMP		Office of Construction and Facilities Management		Drawing Title		Phase		Project Title		Project Number	
Revisions:		HOHBACH-LEWIN, INC.		Bancroft Architects + Engineers		No. 0 68537		VA		DETAILS		ISSUE FOR BID		EHRM INFRASTRUCTURE UPGRADES - TIER 2		437-21-210	
01-16-24		545 Sansome Street, Suite 850		3300 Dundee Rd.		Exp. 06-30-25		U.S. Department of Veterans Affairs		Approved: Project Director		BUILDING FULLY SPRINKLERED		FARGO VA HEALTH CARE SYSTEM		Building Number	
Date:		(415) 318-8520		www.bancroft-ae.com		CIVIL								Issue Date		Drawing Number	
				Bancroft Project No: 22-113		STATE OF CALIFORNIA								01/16/2024		C500	
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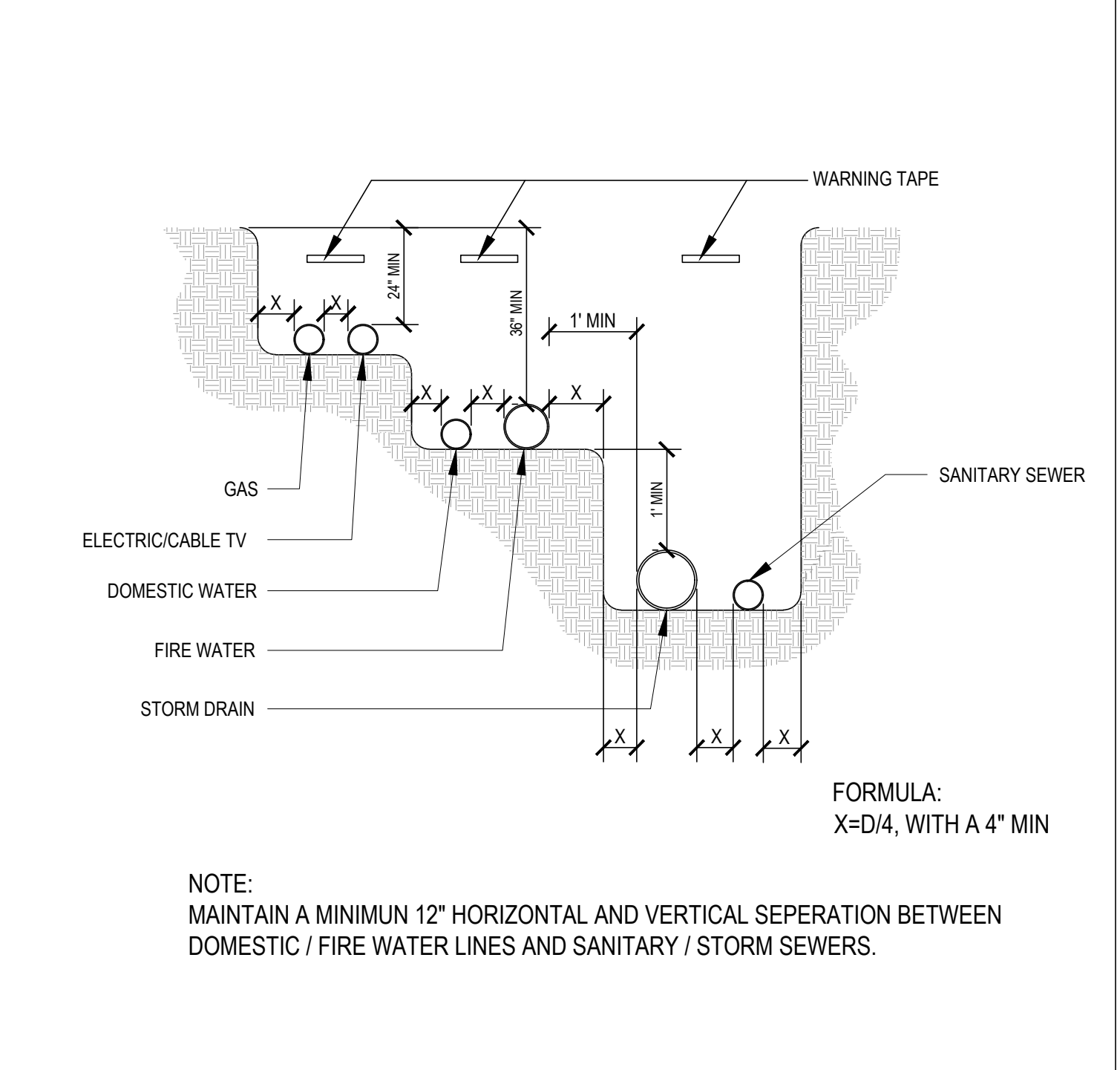
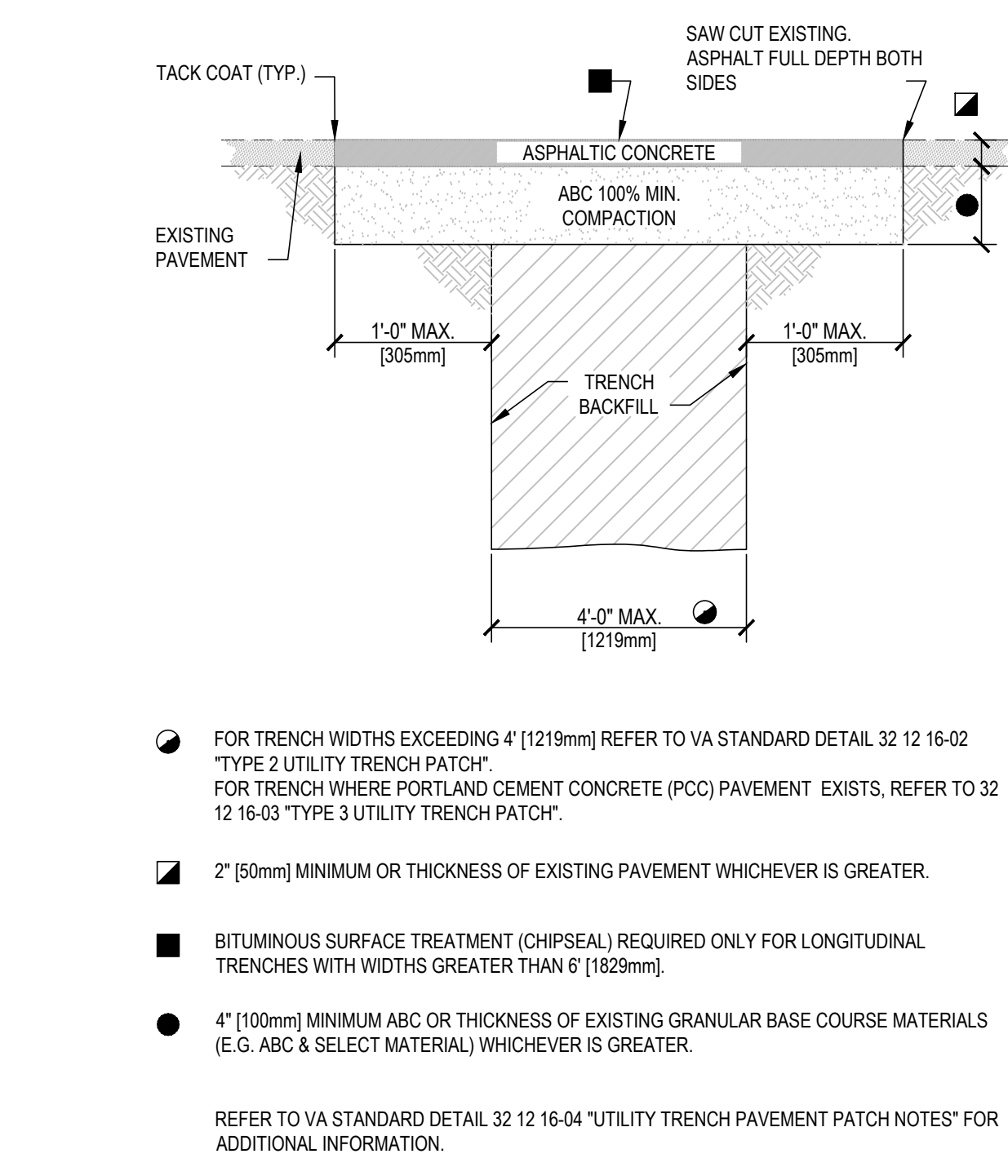
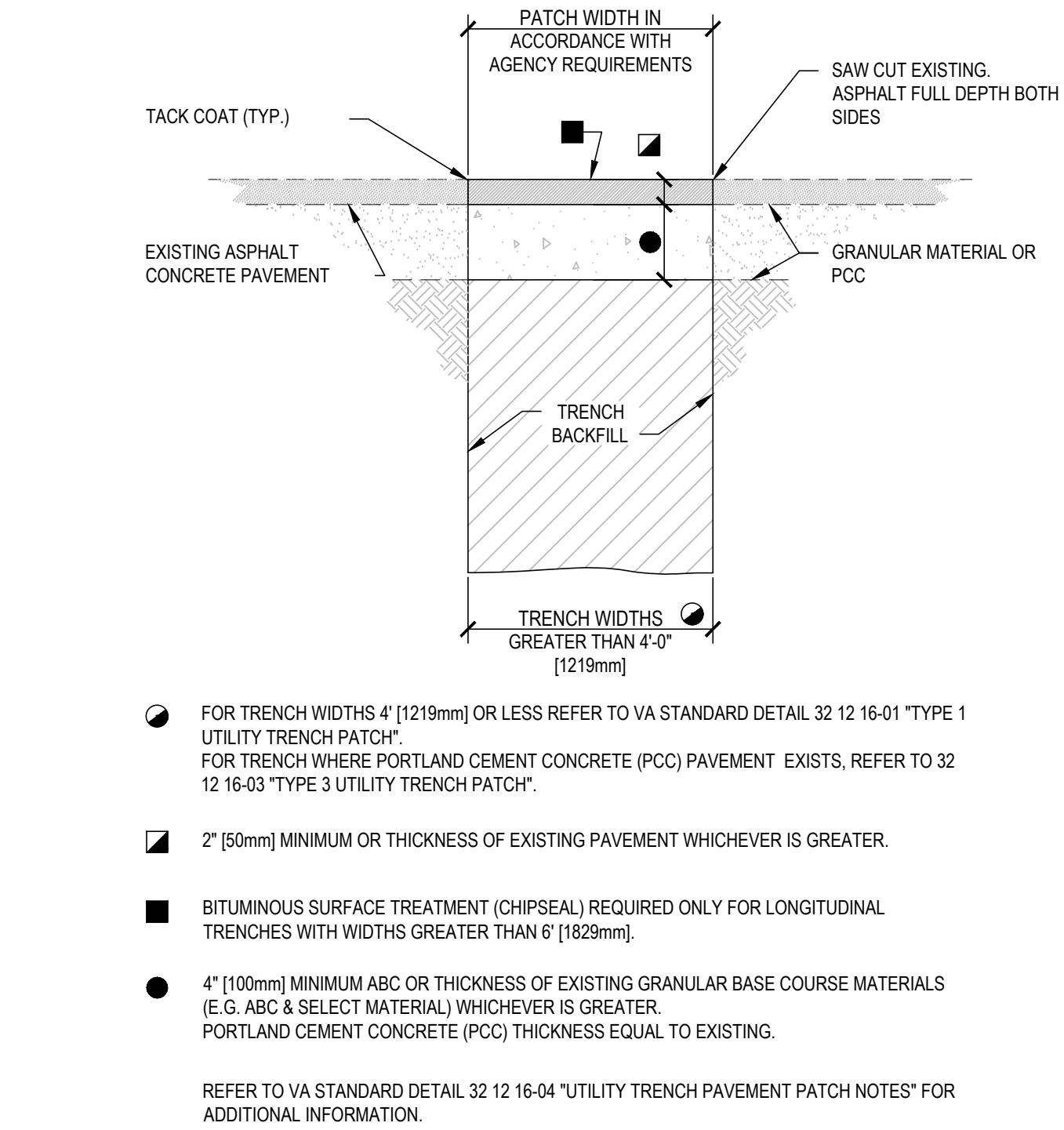
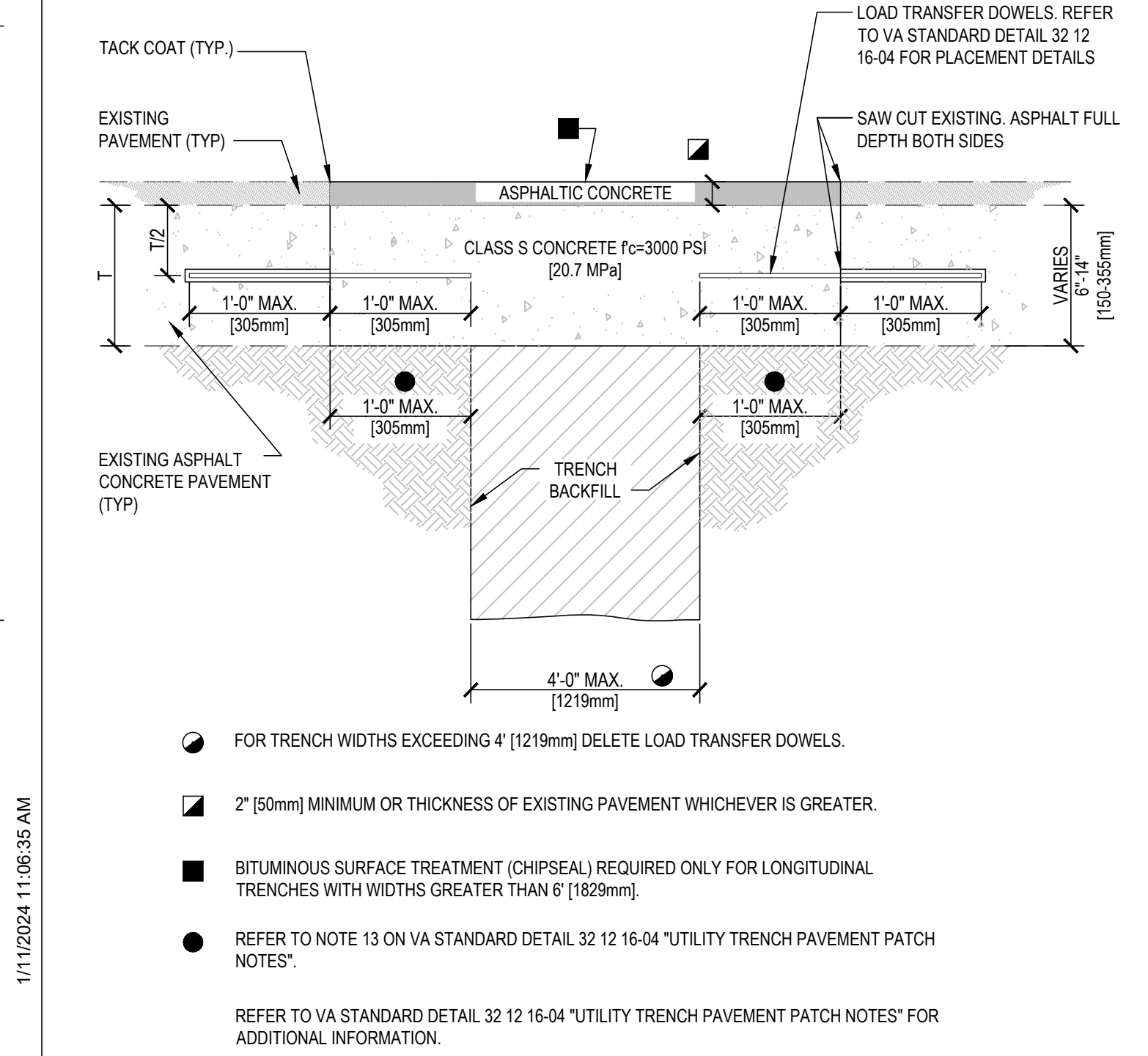
13 UTILITY TRENCH AND BACKFILL

10

7

4 CURB AND GUTTER REPAIR

1 CONCRETE POST BARRICADES



14 TYPE 3 UTILITY TRENCH PATCH

11 TYPE 2 UTILITY TRENCH PATCH

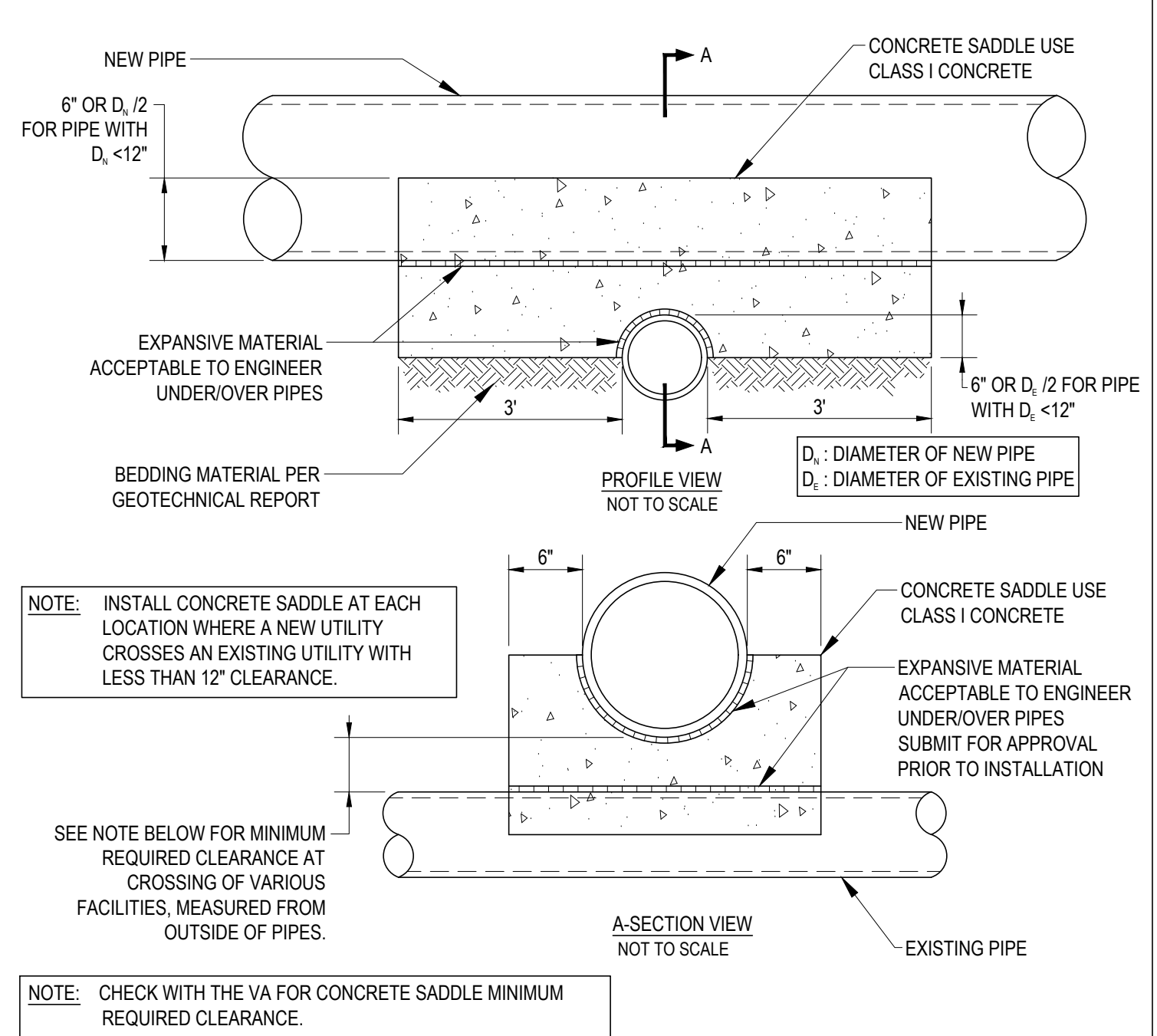
8 TYPE 1 UTILITY TRENCH PATCH

5

2 ON-SITE MULTIPLE UTILITIES TRENCH

- MATERIAL AND COMPACTION REQUIREMENTS FOR PIPE BEDDINGS/SHADING SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS FOR THE APPLICABLE UTILITY PIPE.
- TRENCH BACKFILL SHALL COMMENCE 1 FOOT [305mm] ABOVE THE TOP OF PIPE AND SHALL BE PER DETAILS THIS SHEET.
- BACKFILL COMPACTION REQUIREMENTS SHALL BE PER GEOTECHNICAL REPORT.
- THE 1 FOOT [305mm] TRENCH "SHOULDER" AREAS SHALL BE DELETED FOR TYPE 2 TRENCHES.
- ABC SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF DETAILS THIS SHEET.
- PORTLAND CEMENT CONCRETE SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 03 30 00.
- ASPHALTIC TACK MATERIAL SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 32 12 16.
- ASPHALTIC CONCRETE SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 32 12 16 FOR THE TYPE SPECIFIED.
- BITUMINOUS SURFACE TREATMENT (CHIP SEAL) SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 32 12 16 FOR THE TYPE SPECIFIED.
- LOAD TRANSFER DOWELS FOR JOINTS TRANSVERSE TO THE ROADWAY CENTERLINE SHALL BE SMOOTH STEEL DOWELS IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 32 05 23. DOWELS SHALL BE SIZED AND SPACED AS FOLLOWS:

POCC THICKNESS	DOWEL SIZE	DOWEL LENGTH	DOWEL SPACING
6" [152mm]	#6 [No. 16]	12" [305mm]	18" [457mm]
7" [180mm]	#6 [No. 19]	15" [380mm]	15" [380mm]
8" [180mm]	#6 [No. 19]	15" [380mm]	12" [305mm]
10" [180mm]	#10 [No. 19]	15" [380mm]	12" [305mm]
- DEFORMED TIE BARS SHALL BE USED IN TRENCH PATCHES LONGITUDINAL TO THE ROADWAY CENTERLINE WHEN THE TRENCH LENGTH IS GREATER THAN 50 FEET [15240mm]. TIE BARS SHALL BE 24 INCHES [610mm] LONG, DEFORMED #4 [No. 13] BARS FOR PCCP LESS THAN 8 INCHES [203mm] THICK AND #6 [No. 16] BARS IF 8 INCHES [203mm] THICK OR MORE. TIE BARS SHALL BE PLACED 30 INCHES [760mm] CENTER-TO-CENTER.
- HOLES SHALL BE DRILLED 1 FOOT [305mm] INTO THE EXISTING SLAB FOR THE BARS AND 7 INCHES [180mm] FOR DOWELS. HOLES SHALL BE OF A DIAMETER SUFFICIENT TO ACCOMMODATE THE TIE BAR ANCHORAGE OR DOWEL CAP. TIE BARS SHALL BE ANCHORED WITH AN APPROVED HIGH VISCOSITY EPOXY.
- IF THE CONCRETE SLAB REMAINING NEXT TO A LONGITUDINAL OR TRANSVERSE JOINT IS LESS THAN 6 FEET [1829mm] AT ITS NARROWEST WIDTH, REMOVE AND REPLACE THE EXISTING CONCRETE TO THE JOINT.



15 UTILITY TRENCH PATCH NOTES

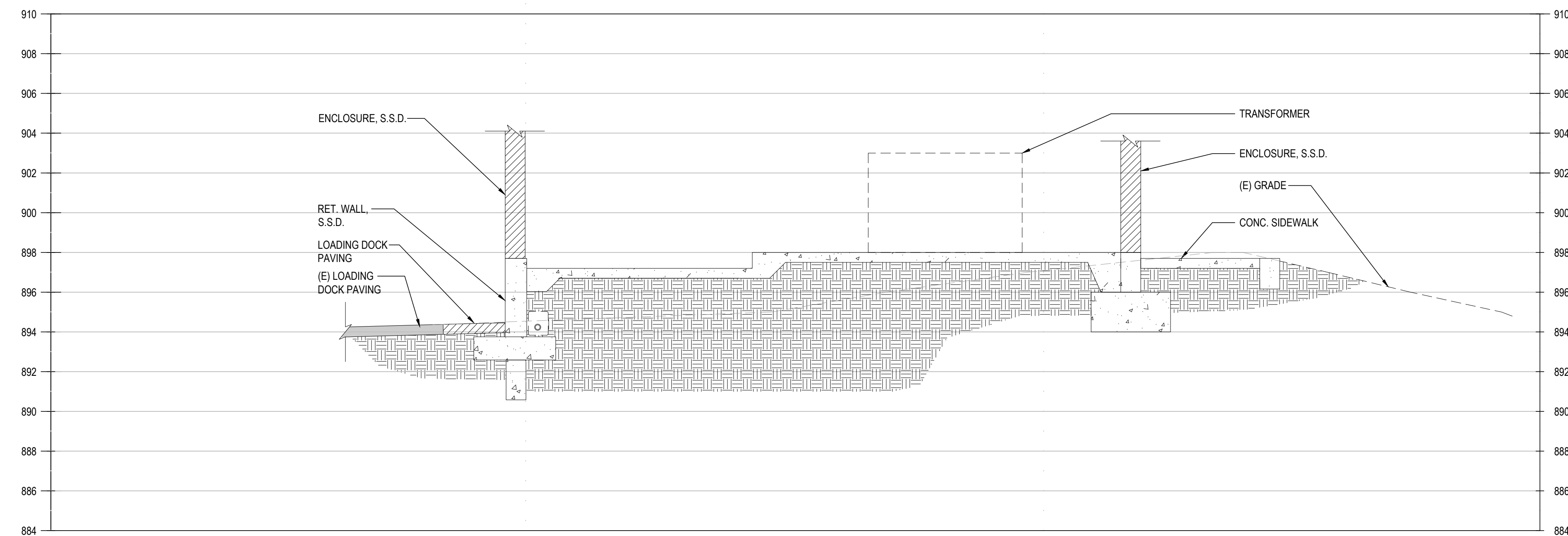
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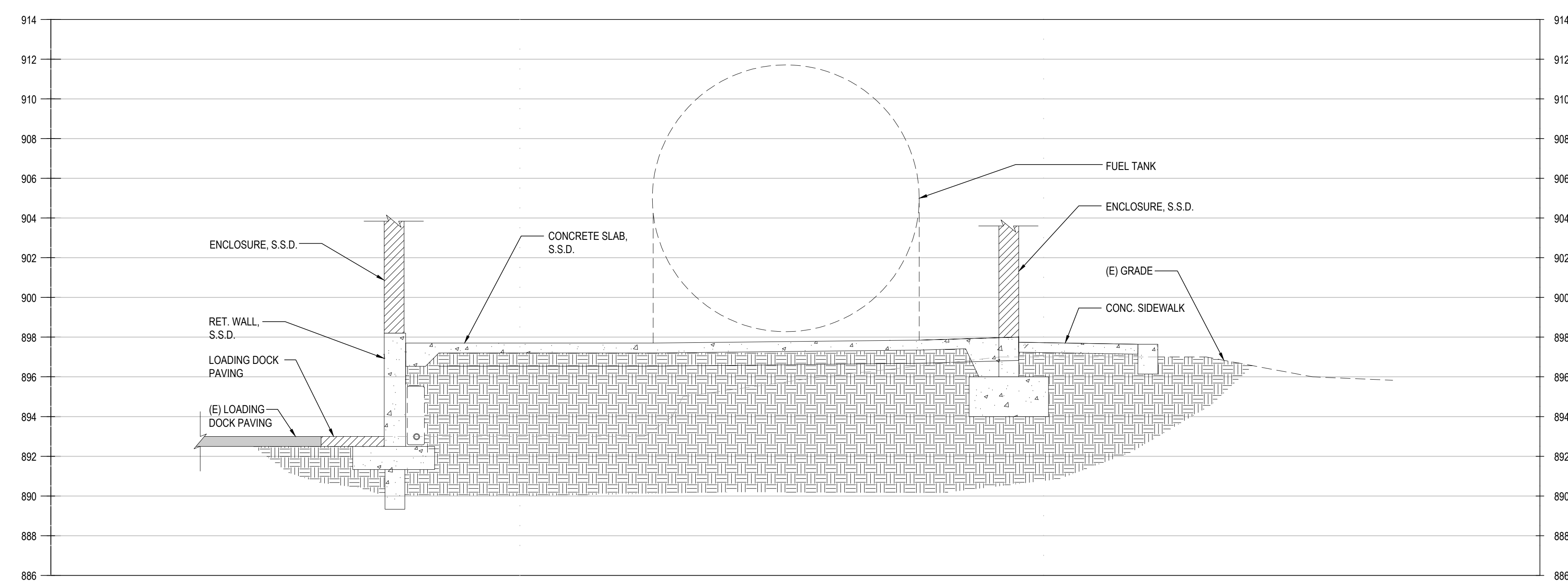
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3 CONCRETE SADDLE - UPPER PIPE INSTALLATION

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A-A SITE SECTION AT TRANSFORMER




B-B	SITE SECTION AT FUEL TANK
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Revisions:	Date:

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of Veterans Affairs

Drawing Title	
SECTIONS	
Approved: Project Director	

Phase	ISSUE FOR BID
	BUILDING FULLY SPRINKLERED

Project Title		
EHRM INFRASTRUCTURE UPGRADES - TIER 2		
Location		
FARGO VA HEALTH CARE SYSTEM		
Issue Date	Checked	Drawn
01/16/2024		

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Building Number	
Drawing Number	C600