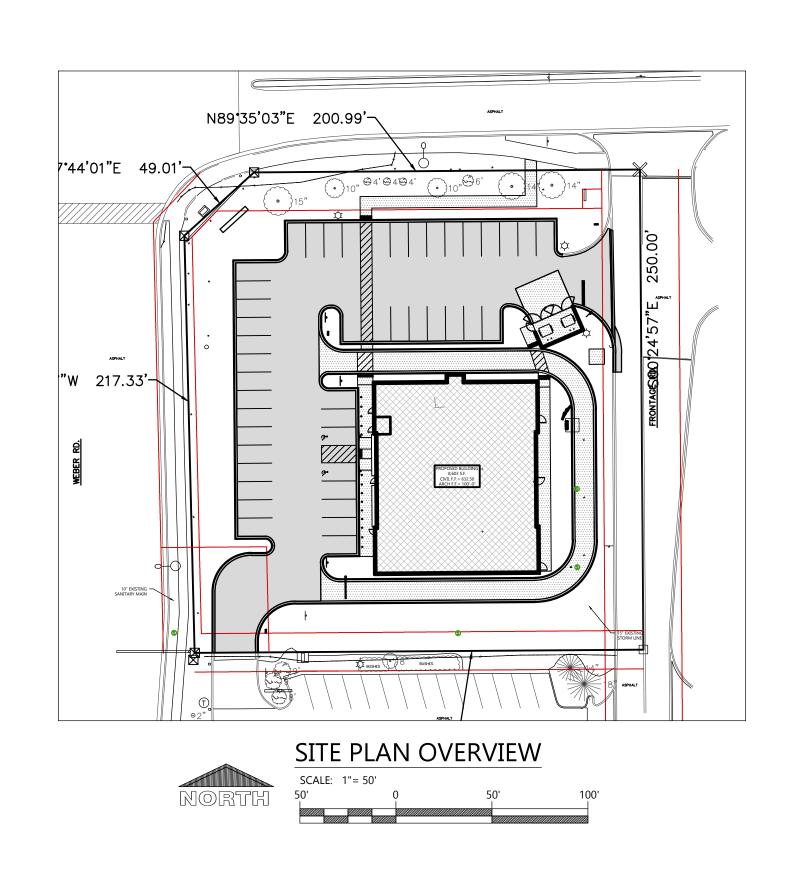
PROPOSED MULTI-TENANT BUILDING FOR:

OM GROUP - HAWAIIAN BROS - STR:123

ROMEOVILLE, IL





PROJECT CONTACTS

OWNER INFORMATION:

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CITY BUILDING INSPECTOR:

Phil Shawmeker

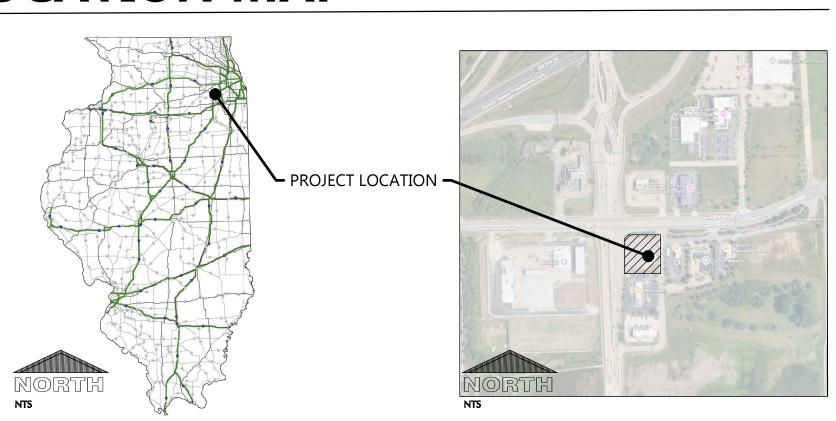
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CITY DIRECTIOR OF PUBLIC WORKS

Chris Drey
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E-mail: cdrey@romeoville.org

LOCATION MAP



PROJECT NOTES

GENERAL PROJECT NOTES

- ALL DRIVEWAYS AND CURB CUTS TO BE CONSTRUCTED ACCORDING TO LOC. ORDINANCES. CONTRACTOR TO OBTAIN ALL NECESSARY PERMITS.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL WORK IN ROW PERMITS.
 DETAILED AS-BUILTS WILL BE REQUIRED UPON COMPLETION FOR GRADING, UTILITIES, AND SITE IMPROVEMENTS. UNAPPROVED DEVIATIONS FROM THE PLAN DOCUMENTS

WILL BE IDENTIFIED DURING THIS PROCESS AND ANY CORRECTIONS WILL BE MADE AT

CONSTRUCTION STAKING SERVICES

CONSTRUCTION STAKING SHALL BE COMPLETED BY EXCEL ENGINEERING AS REQUESTED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE. CONTRACTOR TO CONTACT RYAN WILGREEN AT 920-926-9800 OR RYAN.W@EXCELENGINEER.COM TO GET STAKING PRICE TO INCLUDE IN BID TO OWNER. PAYMENT OF STAKING COSTS ABOVE AND BEYOND THE BASE PRICE DUE TO RESTAKING WILL BE THE RESPONSIBILITY OF THE CONTRACTOR, NOT THE OWNER. CAD DRAWING FILES AND SURVEY CONTROL WILL NOT BE PROVIDED FOR STAKING BURDOSES

DRAINAGE CERTIFICATION

I, JASON DAYE (P.E.), HEREBY CERTIFY THAT ADEQUATE STORM WATER STORAGE AND DRAINAGE CAPACITY HAS BEEN PROVIDED FOR THIS DEVELOPMENT, SUCH THAT SURFACE WATER FROM THE DEVELOPMENT WILL NOT BE DIVERTED ONTO AND CAUSE DAMAGE TO ADJACENT PROPERTY FOR STORMS UP TO AND INCLUDING THE ONE HUNDRED (100) YEAR EVENT, AND THAT THE DESIGN PLANS ARE IN COMPLIANCE WITH ALL APPLICABLE STATE, COUNTY, AND VILLAGE ORDINANCES.

FLOODPLAIN NOTE

I, JASON DAYE, AM A REGISTERED ENGINEER IN THE STATE OF ILLINOIS. I ACKNOWLEDGE THAT BASED UPON A REVIEW OF THE FEDERAL EMERGENCY MANAGMENT AGENCY FLOOD INSURANCE RATE MAP PANEL NO. 17197C0065G WITH AN EFFECTIVE DATE OF 7/17/2025, THE SUBJECT PROPERTY FALLS WITHIN ZONE "X" (AREA OF MINIMAL FLOOD HAZARD)

SHEET INDEX HEETS BELOW INTENDED TO BE PRINTED IN: COLOR. REFER TO DIGITAL FORMAT DRAWINGS IF PRINTED GRAYSCALE TO ENSURE SCOPE CLARITY. NUMBER SHEET NAME / DESCRIPTION SPECIFICATIONS C1.0 EXISTING SITE AND DEMOLITION PLAN **GRADING PLAN** EROSION CONTROL PLAN UTILITY PLAN C1.4 LANDSCAPE AND RESTORATION PLAN C2.0 C2.2 DETAILS SITE PHOTOMETRIC PLAN & DETAILS GREASE INTERCEPTOR DETAIL & SCHEDULE

LEGEND

SPOT FLEVATION	<u>IDENTIFICATION</u> ONS	SYM.	IDENTIFICATION
SPOT ELEVATION	PROPOSED SPOT ELEVATIONS (FLOW LINE OF CURB	[000 00]TC	PROPOSED SPOT ELEVATIONS (TOP OF CURB, FLOWL
000.00	UNLESS OTHERWISE SPECIFIED)	000.00 TC 000.00 FL	OF CURB)
000.00 EG 000.00 BG 000.00 FG	PROPOSED SPOT ELEVATIONS PROPOSED SPOT ELEVATIONS (REFERENCE R-WALL DETAIL) BG-FINISHED SURFACE GRADE AT BACK OF WALL FG-FINISHED SURFACE GRADE AT FRONT OF WALL	000.00 TW 000.00 BW	PROPOSED SPOT ELEVATIONS (TOP OF WALK, BOTTO OF WALK @ FLOWLINE)
EXISTING SITE			
-0	EXISTING SIGN	Ø	EXISTING UTILITY POLE
<u> </u>	EXISTING HANDICAP PARKING STALL	$\varnothing \longrightarrow$	EXISTING UTILITY POLE WITH GUY WIRE
—————————————————————————————————————	EXISTING WATER VALVE IN BOX	0-0	EXISTING STREET LIGHT
<u></u> ⊗	EXISTING WATER VALVE IN MANHOLE	Ī	EXISTING TELEPHONE PEDESTAL
*	EXISTING WATER SERVICE VALVE	E	EXISTING ELECTRIC PEDESTAL
	EXISTING WELL		EXISTING ELECTRIC BOX
····	EXISTING STORM CATCH BASIN	•	EXISTING FLOOD LIGHT
	EXISTING STORM CURB INLET	T	EXISTING TELEPHONE MANHOLE
 ⊞	EXISTING SQUARE CATCH BASIN		EXISTING CABLE TV PEDESTAL
ф	EXISTING LIGHT POLE		EXISTING GAS VALVE
₩	1-1/4" REBAR SET WEIGHING 4.30 LB/FT.		EXISTING HEDGE
	3/4" REBAR SET WEIGHING 1.50 LB/FT.		EXISTING WOODED AREA
	1-1/4" REBAR FOUND	<u>alr</u>	EXISTING WOODED AREA EXISTING MARSH AREA
O	3/4" REBAR FOUND		EXISTING MARSH AREA EXISTING DECIDUOUS TREE WITH TRUNK DIAMETER
	2" IRON PIPE FOUND		EXISTING CONIFEROUS TREE
	1" IRON PIPE FOUND		
<u> </u>	SECTION CORNER	© A	EXISTING SHRUB
PROPOSED SIT) (EXISTING STUMP
		A	DDODOGED CTODAL FIELD INHET. CT FI
<u>-</u>	PROPOSED SIGN	•	PROPOSED STORM FIELD INLET - ST FI
<u>گر</u>	PROPOSED HANDICAP PARKING STALL	0-	PROPOSED LIGHT POLE
<u> </u>	PROPOSED WATER VALVE IN BOX		PROPOSED DRAINAGE FLOW
<u>⊗</u>	PROPOSED WATER VALVE IN MANHOLE) [-	PROPOSED APRON END SECTION
*	PROPOSED WATER SERVICE VALVE		SOIL BORING
<u> </u>	PROPOSED WELL	Ç	CENTER LINE
◎	PROPOSED STORM CATCH BASIN - ST CB	CO	PROPOSED CLEANOUT
	PROPOSED STORM CURB INLET - ST CI	DSG	PROPOSED DOWNSPOUT TO GRADE PROPOSED DOWNSPOUT TO RISER
EXISTING LINE	—— EXISTING CHAINLINK FENCE	POL	EXISTING POLISH SEWER AND MANHOLE
	—— EXISTING WOOD FENCE		EXISTING PROCESS SEWER AND MANHOLE
X	—— EXISTING WOOD PENCE	CLW	— EXISTING CLEAR WATER LINE
^	EXISTING BARBED WIRE FENCE EXISTING CURB AND GUTTER		
			EXISTING UNDERGROUND FIBER OPTIC LINE
	EXISTING GUARD RAIL		EXISTING UNDERGROUND ELECTRIC CABLE
			EXISTING UNDERGROUND TELEPHONE CABLE
	EXISTING STORM SEWER AND MANHOLE	G	EXISTING UNDERGROUND GAS LINE
	S—EXISTING SANITARY SEWER AND MANHOLE	OU	EXISTING OVERHEAD UTILITY LINE
	EXISTING WATER LINE AND HYDRANT		RAILROAD TRACKS
DDCCC	INTERIOR PROPERTY LINE		
PROPOSED LINE		B01 C	DRODOCED DOLICE CENTER AND
	PROPOSED CHAINLINK FENCE		PROPOSED POLISH SEWER AND MANHOLE
	PROPOSED WOOD FENCE		PROPOSED PROCESS SEWER AND MANHOLE
	-X-PROPOSED BARBED WIRE FENCE	CLW —	PROPOSED CLEAR WATER LINE
			PROPOSED UNDERGROUND FIBER OPTIC LINE
	PROPOSED CURB AND GUTTER	—— FO —	
	PROPOSED CURB AND GUTTER PROPOSED GUARD RAIL	FO — E —	— PROPOSED UNDERGROUND ELECTRIC CABLE
× ×	PROPOSED CURB AND GUTTER — PROPOSED GUARD RAIL PROPOSED GROUND CONTOUR	— E —	PROPOSED UNDERGROUND ELECTRIC CABLE PROPOSED UNDERGROUND TELEPHONE CABLE
× × × = 800 = ST = (PROPOSED CURB AND GUTTER — PROPOSED GUARD RAIL PROPOSED GROUND CONTOUR PROPOSED STORM SEWER AND MANHOLE - ST MH	— E — T — G —	— PROPOSED UNDERGROUND ELECTRIC CABLE
× × × = 800 = ST = (PROPOSED CURB AND GUTTER — PROPOSED GUARD RAIL PROPOSED GROUND CONTOUR	— E —	PROPOSED UNDERGROUND ELECTRIC CABLE PROPOSED UNDERGROUND TELEPHONE CABLE



PROJECT INFORMATION

OM GROUP - HAWAIIAN BROS - STR:123
677 - 681 N WEBER ROAD • ROMEOVILLE, IL 60446



ISSUED FO	R CONSTRUCTION
IFC	AUG. 27, 2025
AD1	OCT. 15, 2025
AD2	NOV. 17, 2025

250145300

CO.1

CIVIL SPECIFICATIONS

DIVISION 31 EARTH WORK

- 31 10 00 SITE CLEARING (DEMOLITION)
- A. CONTRACTOR SHALL CALL JULIE ILLINOIS ONE CALL SYSTEM AND CONDUCT A PRIVATE UTILITY LOCATE AS REQUIRED TO ENSURE THAT ALL UTILITIES HAVE BEEN LOCATED BEFORE STARTING SITE DEMOLITION. DESIGN ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES BETWEEN PLAN AND FIELD CONDITIONS PRIOR TO CONSTRUCTION.
- B. DEMOLITION PLAN IS AN OVERVIEW OF DEMOLITION TO TAKE PLACE ON SITE. CONTRACTOR TO FIELD VERIFY EXISTING SITE CONDITIONS PRIOR TO BIDDING. CONTRACTOR SHALL REMOVE, REPLACE, OR DEMOLISH ALL ITEMS AS NEEDED DURING CONSTRUCTION.
- C. CONTRACTOR TO PROTECT EXISTING IMPROVEMENTS THAT ARE SCHEDULED TO REMAIN. ANY DAMAGE TO EXISTING FACILITIES SHALL BE REPLACED AT CONTRACTORS EXPENSE.
- D. ALL CONCRETE NOTED TO BE REMOVED SHALL BE REMOVED TO THE NEAREST CONTROL JOINT.

31 20 00 EARTH MOVING

- A. CONTRACTOR SHALL CALL JULIE ILLINOIS ONE CALL SYSTEM AND CONDUCT A PRIVATE UTILITY LOCATE AS REQUIRED TO ENSURE THAT ALL UTILITIES HAVE BEEN LOCATED BEFORE STARTING EXCAVATION. DESIGN ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES BETWEEN PLAN AND FIELD CONDITIONS PRIOR TO CONSTRUCTION.
- B. PROVIDE ALL LABOR, MATERIALS AND EQUIPMENT FOR ALL EXCAVATION, GRADING, FILL AND BACKFILL WORK AS REQUIRED TO COMPLETE THE GENERAL CONSTRUCTION WORK, ALL EXCAVATION AND BACKFILL FOR ELECTRICALS AND MECHANICALS ARE THE RESPONSIBILITY OF THE RESPECTIVE CONTRACTOR UNLESS OTHERWISE SPECIFIED IN THE BID DOCUMENTS.
- C. ALL ORGANIC TOPSOIL INSIDE THE BUILDING AREA, UNDER PAVED AREAS, AND AT SITE FILL AREAS SHALL BE REMOVED. PROOF ROLL SUBGRADES BEFORE PLACING FILL WITH HEAVY PNEUMATIC-TIRED EQUIPMENT, SUCH AS A FULLY-LOADED TANDEM AXLE DUMP TRUCK, TO IDENTIFY SOFT POCKETS AND AREAS OF EXCESS YIELDING. CONTRACTOR SHALL VERIFY TOPSOIL DEPTHS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL REVIEW AND FOLLOW THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT AND ACCOUNT FOR EXISTING CONDITIONS PRIOR TO SUBMITTING BID FOR THE PROJECT. EXCESS MATERIALS SHALL BE REMOVED FROM THE SITE UNLESS OTHERWISE DIRECTED IN THE PLANS OR BY LOCAL ZONING
- REQUIREMENTS. D. PLACE AND COMPACT FILL MATERIAL IN LAYERS TO REQUIRED ELEVATIONS. UNIFORMLY MOISTEN OR AERATE SUBGRADE AND EACH SUBSEQUENT FILL OR BACKFILL LAYER BEFORE COMPACTION AS
- RECOMMENDED TO ACHIEVE SPECIFIED DRY DENSITY REMOVE AND REPLACE, OR SCARIEY AND AIR DRY OTHERWISE SATISFACTORY SOIL MATERIAL THAT IS TOO WET TO COMPACT TO SPECIFIED DRY DENSITY. E. PLACE BACKFILL AND FILL MATERIALS IN LAYERS NOT MORE THAN 8" IN LOOSE DEPTH FOR MATERIAL COMPACTED BY HEAVY COMPACTION EQUIPMENT, AND NOT MORE THAN 4" IN LOOSE DEPTH FOR
- MATERIAL COMPACTED BY HAND-OPERATED TAMPERS. F. COMPACT THE SOIL TO NOT LESS THAN THE FOLLOWING PERCENTAGES OF MAXIMUM DRY DENSITY ACCORDING TO ASTM D 698, STANDARD PROCTOR TEST. FILL MAY NOT BE PLACED ON FROZEN GROUND
- AND NO FROZEN MATERIALS MAY BE USED FOR BACK FILL. APPLY THE MORE STRINGENT REQUIREMENTS WHEN COMPARING BETWEEN THE FOLLOWING AND THE GEOTECHNICAL REPORT. 1. UNDER FOUNDATIONS - SUBGRADE, AND EACH LAYER OF BACKFILL OR FILL MATERIAL, TO NOT LESS
- 2. UNDER INTERIOR SLAB-ON-GRADE WHERE GROUNDWATER IS MORE THAN 3 FEET BELOW THE SLAB -PLACE A DRAINAGE COURSE LAYER OF 3/4" CRUSHED STONE, WITH 5% TO 12% FINES, PER THICKNESS INDICATED ON FOUNDATION PLANS ON PREPARED SUBGRADE. COMPACT THE SUBGRADE AND DRAINAGE COURSE TO NOT LESS THAN 95 PERCENT.
- 3. UNDER INTERIOR SLAB-ON-GRADE WHERE GROUNDWATER IS WITHIN 3 FEET OF THE SLAB SURFACE-PLACE A DRAINAGE COURSE LAYER OF CLEAN 3/4" CRUSHED STONE, WITH NO MORE THAN 5% FINES, PER THICKNESS INDICATED ON FOUNDATION PLANS ON PREPARED SUBGRADE. COMPACT THE
- SUBGRADE AND DRAINAGE COURSE TO NOT LESS THAN 95 PERCENT. 4. UNDER EXTERIOR CONCRETE AND ASPHALT PAVEMENTS - COMPACT THE SUBGRADE AND EACH LAYER OF BACKFILL OR FILL MATERIAL TO NOT LESS THAN 95 PERCENT.
- 5. UNDER WALKWAYS COMPACT SUBGRADE AND EACH LAYER OF BACKFILL OR FILL MATERIAL TO NOT LESS THAN 95 PERCENT. 6. UNDER LAWN OR UNPAVED AREAS - COMPACT SUBGRADE AND EACH LAYER OF BACKFILL OR FILL
- MATERIAL, TO NOT LESS THAN 85 PERCENT. G. CONTRACTOR SHALL ENGAGE A QUALIFIED INDEPENDENT TESTING AND INSPECTING AGENCY TO PERFORM FIELD TESTS AND INSPECTIONS. IT IS SUGGESTED THAT THE GEOTECHNICAL FIRM USED TO PERFORM THE SUBSURFACE SOIL INVESTIGATION BE ENGAGED FOR THE FIELD QUALITY CONTROL TESTS.
- H. ALLOW THE TESTING AGENCY TO TEST AND INSPECT SUBGRADES AND EACH FILL OR BACKFILL LAYER. PROCEED WITH SUBSEQUENT EARTHWORK ONLY AFTER TEST RESULTS FOR PREVIOUSLY COMPLETED WORK COMPLY WITH REQUIREMENTS. PROVIDE ONE TEST FOR EVERY 2000 SQUARE FEET OF PAVED AREA OR BUILDING SLAB, ONE TEST FOR EACH SPREAD FOOTING, AND ONE TEST FOR EVERY 50 LINEAR FEET OF WALL STRIP FOOTING.
- I. WHEN THE TESTING AGENCY REPORTS THAT SUBGRADES, FILLS, OR BACKFILLS HAVE NOT ACHIEVED DEGREE OF COMPACTION SPECIFIED. SCARIFY AND MOISTEN OR AERATE. OR REMOVE AND REPLACE SOIL TO DEPTH REQUIRED; RECOMPACT AND RETEST UNTIL SPECIFIED COMPACTION IS OBTAINED. J. THE BUILDING SITE SHALL BE GRADED TO PROVIDE DRAINAGE AWAY FROM THE BUILDING AS INDICATED
- ON THE PLANS. SITE EARTHWORK SHALL BE GRADED TO WITHIN 0.10' OF REQUIRED EARTHWORK ELEVATIONS ASSUMING POSITIVE DRAINAGE IS MAINTAINED IN ACCORDANCE WITH THE GRADING PLAN.

31 30 00 EROSION CONTROL/STORMWATER MANAGEMENT

B THE CONTRACTOR SHALL KEEP THE NOTICE OF INTENT PERMIT, APPROVED SWPPP, AND PLAN

- A. THE DESIGN ENGINEER SHALL PREPARE A SITE SPECIFIC STORM WATER POLLUTION PREVENTION PLAN (SWPPP) PURSUANT TO IL EPA DIVISION OF WATER POLLUTION CONTROL, ILR10. THE DESIGN ENGINEER SHALL ALSO FILE A CONSTRUCTION NOTICE OF INTENT WITH THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY PURSUENT TO ILR10 TO OBTAIN COVERAGE UNDER THE GENERAL NPDES STORM WATER PERMIT.
- AMMENDMENTS ON THE CONSTRUCTION SITE AT ALL TIMES UNTIL PERMIT COVERAGE IS TERMINATED. C. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL LOCAL EROSION CONTROL PERMITS. D. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING THE MONITORING, MAINTENANCE, AND REPORTING REQUIREMENTS OF NPDES PERMIT NO. ILR10. INSPECTIONS OF IMPLEMENTED EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES MUST AT A MINIMUM BE INSPECTED EVERY 7 DAYS AND WITHIN 24 HOURS AFTER A PRECIPITATION EVENT OF 0.5" OR MORE. A PRECIPITATION EVENT MAY BE CONSIDERED TO BE THE TOTAL AMOUNT OF PRECIPITATION RECORDED IN ANY CONTINUOUS 24-HOUR PERIOD. THE CONTRACTOR SHALL REPAIR OR REPLACE EROSION AND SEDIMENT CONTROL AS NECESSARY

WITHIN 24 HOURS OF AN INSPECTION OR AFTER A DEPARTMENT NOTIFICATION WHERE REPAIR OR

REPLACEMENT IS REQUESTED. CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING WEEKLY NPDES

- INSPECTION REPORTS (AND THOSE REQUIRED AFTER 0.5" OF RAIN) VIA EMAIL TO NPDES@ROMEOVILLE.ORG. E. EROSION AND SEDIMENT CONTROL IMPLEMENTED DURING CONSTRUCTION SHALL STRICTLY COMPLY WITH THE GUIDELINES AND REQUIREMENTS SET FORTH IN THE ILLINOIS URBAN MANUAL. TECHNICAL STANDARDS PUBLISHED BY THE NATIONAL ENGINEERING HANDBOOK SECTION 20 (NEH-20) AND STATE INTERIM SPECIFICATIONS SHALL ALSO BE UTILIZED TO IMPLEMENT THE REQUIRED PERFORMANCE STANDARDS. THE METHODS AND TYPES OF EROSION CONTROL WILL BE DEPENDENT ON THE LOCATION AND TYPE OF WORK INVOLVED. ALL SEDIMENT CONTROL MEASURES SHALL BE ADJUSTED TO MEET FIELD
- CONDITIONS AT THE TIME OF CONSTRUCTION AND INSTALLED PRIOR TO ANY GRADING OR DISTURBANCE OF EXISTING SURFACE MATERIAL. BELOW IS A LIST OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES TO ACHIEVE THE PERFORMANCE STANDARDS REQUIRED. 1. SILT FENCE SHALL BE PLACED ON SITE AT LOCATIONS SHOWN ON THE EROSION CONTROL PLAN. SILT
- FENCE SHALL ALSO BE PROVIDED AROUND THE PERIMETER OF ALL SOIL STOCKPILES. FOLLOW PROCEDURES FOUND IN ILLINOIS URBAN MANUAL PRACTICE STANDARD 920. 2. DITCH CHECKS SHALL BE PROVIDED TO REDUCE THE VELOCITY OF WATER FLOWING IN DITCH BOTTOMS. PLACE AT LOCATIONS SHOWN ON THE EROSION CONTROL PLAN. FOLLOW PROCEDURES FOUND IN
- ILLINOIS URBAN MANUAL PRACTICE STANDARD 814. 3. STONE TRACKING PADS SHALL BE PLACED AT ALL CONSTRUCTION SITE ENTRANCES AND SHALL BE INSTALLED PRIOR TO ANY TRAFFIC LEAVING THE CONSTRUCTION SITE. SEE THE EROSION CONTROL PLAN FOR LOCATIONS. THE AGGREGATE USED SHALL BE IDOT CA-1, CA-2, CA-3 OR CA-4 CLEAR OR WASHED STONE AND SHALL BE PLACED IN A LAYER AT LEAST 6 INCHES THICK. THE STONE SHALL BE UNDERLAIN WITH A 592 GEOTEXTILE TABEL 1 OR 2, CLASS I, II, OR IV FABRIC. THE TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT (14' MINIMUM) AND SHALL BE A MINIMUM OF 70 FFET LONG SURFACE WATER MUST BE PREVENTED FROM PASSING THROUGH THE TRACKING PAD. FOLLOW
- PROCEDURES FOUND IN ILLINOIS URBAN MANUAL PRACTICE STANDARD 930. 4. STORM DRAIN INLET PROTECTION SHALL BE PROVIDED FOR ALL NEW AND DOWNSTREAM STORM CATCH BASINS AND CURB INLETS. INLET PROTECTION SHALL BE IN CONFORMANCE WITH ILLINOIS
- URBAN MANUAL PRACTICE STANDARD 860 AND 861. 5. DUST CONTROL MEASURES SHALL BE PROVIDED TO REDUCE OR PREVENT THE SURFACE AND AIR TRANSPORT OF DUST DURING CONSTRUCTION. CONTROL MEASURES INCLUDE APPLYING MULCH AND ESTABLISHING VEGETATION, WATER SPRAYING, SURFACE ROUGHENING, APPLYING POLYMERS, SPRAY-ON TACKIFIERS, CHLORIDES, AND BARRIERS. SOME SITES MAY REQUIRE AN APPROACH THAT UTILIZES A COMBINATION OF MEASURES FOR DUST CONTROL. FOLLOW PROCEDURES FOUND IN
- ILLINOIS URBAN MANUAL PRACTICE STANDARD 825. 6. THE USE, STORAGE, AND DISPOSAL OF CHEMICALS, CEMENT, AND OTHER COMPOUNDS AND MATERIALS USED ON SITE SHALL BE MANAGED DURING THE CONSTRUCTION PERIOD TO PREVENT THEIR TRANSPORT BY RUNOFF INTO WATERS OF THE STATE
- 7. CONTRACTOR SHALL PROVIDE AN OPEN AGGREGATE CONCRETE TRUCK WASHOUT AREA ON SITE. CONTRACTOR TO ENSURE THAT CONCRETE WASHOUT SHALL BE CONTAINED TO THIS DESIGNATED AREA AND NOT BE ALLOWED TO RUN INTO STORM INLETS OR INTO THE OVERLAND STORMWATER DRAINAGE SYSTEM. WASHOUT AREA SHALL BE REMOVED UPON COMPLETION OF CONSTRUCTION. CONCRETE WASHOUT FACILITY SHALL BE IN CONFORMANCE WITH ILLINOIS URBAN MANUAL PRACTIVE STANDARD 954.
- 8. TEMPORARY SITE RESTORATION SHALL TAKE PLACE IN DISTURBED AREAS THAT WILL NOT BE BROUGHT TO FINAL GRADE OR ON WHICH LAND DISTURBING ACTIVITIES WILL NOT BE PERFORMED FOR A PERIOD GREATER THAN 14 DAYS AND REQUIRES VEGETATIVE COVER FOR LESS THAN ONE YEAR. THIS TEMPORARY SITE RESTORATION REQUIREMENT ALSO APPLIES TO SOIL STOCKPILES. PERMANENT RESTORATION APPLIES TO AREAS WHERE PERENNIAL VEGETATIVE COVER IS NEEDED TO PERMANENTLY STABILIZE AREAS OF EXPOSED SOIL. PERMANENT STABILIZATION SHALL OCCUR WITHIN 3 WORKING DAYS OF FINAL GRADING. TOPSOIL, SEED, AND MULCH SHALL BE IN GENERAL CONFORMANCE WITH ILLINOIS URBAN MANUAL PRACTICE STANDARDS 880 OR 965 AND SHALL MEET THE SPECIFICATIONS FOUND IN THE LANDSCAPING AND SITE STABILIZATION SECTION OF THIS CONSTRUCTION DOCUMENT. ANY SOIL EROSION THAT OCCURS AFTER FINAL GRADING AND/OR FINAL STABILIZATION MUST BE
- REPAIRED AND THE STABILIZATION WORK REDONE. 9. IF SITE DEWATERING IS REQUIRED TO REMOVE SEDIMENT FROM CONSTRUCTION SITE STORMWATER PRIOR TO DISCHARGING OFF-SITE OR TO WATERS OF THE STATE, FOLLOW PROCEDURES FOUND IN ILLINOIS URBAN MANUAL PRACTICE STANDARD 813. 10 ALL OFF-SITE SEDIMENT DEPOSITS OCCURRING AS A RESULT OF CONSTRUCTION WORK OR A STORM
- EVENT SHALL BE CLEANED UP BY THE END OF EACH WORKING DAY. FLUSHING SHALL NOT BE ALLOWED. F. EROSION CONTROL MEASURES SHALL NOT BE REMOVED UNTIL THE AREA(S) SERVED HAVE ESTABLISHED
- G. ONCE THE CONSTRUCTION SITE HAS BEEN FULLY STABILIZED AND TEMPORARY EROSION CONTROL BEST MANAGEMENT PRACTICES HAVE BEEN REMOVED. THE CONTRACTOR SHALL FILE A CONSTRUCTION NOTICE OF TERMINATION WITH THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY. H. AT THE COMPLETION OF THE PROJECT, THE CONTRACTOR SHALL GIVE THE OWNER COPIES OF THE SWPPP, EROSION CONTROL CONSTRUCTION PLANS, AMENDMENTS TO PLANS, SUPPORTING PLAN DATA, AND

PERIOD OF 3 YEARS FROM THE DATE OF TERMINATING COVERAGE UNDER NPDES GENERAL PERMIT.

I. ALL POST CONSTRUCTION STORMWATER MANAGEMENT BEST MANAGEMENT PRACTICES SHALL BE CONSTRUCTED BEFORE THE SITE HAS UNDERGONE FINAL STABILIZATION. J. REFER TO CONSTRUCTION EROSION AND SEDIMENT CONTROL PLAN FOR ADDITIONAL REQUIREMENTS AND SITE SPECIFIC BMP LOCATIONS.

CONSTRUCTION SITE EROSION CONTROL INSPECTION REPORTS. THE OWNER SHALL RETAIN THESE FOR A

DIVISION 32 EXTERIOR IMPROVEMENTS

32 10 00 AGGREGATE BASE & ASPHALT PAVEMENT

- A. CONTRACTOR TO PROVIDE COMPACTED AGGREGATE BASE AND HOT MIX ASPHALT PAVEMENT WHERE INDICATED ON THE PLANS. ALL AGGREGATE PROVIDED MUST COMPLY WITH SECTION 351 OF THE ILLINOIS STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. PROVIDE HOT MIX ASPHALT MIXTURE TYPES PER SECTION 406 OF THE ILLINOIS STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. REFER TO GEOTECHNICAL REPORT (IF AVAILABLE) FOR ADDITIONAL PAVEMENT RECOMMENDATIONS. CONTRACTOR TO PROVIDE AGGREGATE BASE AND HOT MIX ASPHALT PAVEMENT TYPES AND DEPTHS AS INDICATED BELOW:
- STANDARD ASPHALT PAVING SECTION 2" HMA SURFACE COURSE 9.5mm 2" HMA BINDER COURSE 19.0mm 10" AGGREGATE BASE (IDOT) CA-06
- HEAVY ASPHALT PAVING SECTION 2" HMA SURFACE COURSE 9.5mm 4" HMA BINDER COURSE 19.0mm 12" AGGREGATE BASE (IDOT) CA-06

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- B. CONTRACTOR TO COMPACT THE AGGREGATE BASE, ASPHALT BINDER COURSE, AND ASPHALT SURFACE COURSE TO AN AVERAGE DENSITY PER ILLINOIS STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. ALL ASPHALT PAVEMENT AREAS SHALL BE PAVED TO WITHIN 0.10' OF DESIGN SURFACE GRADES WITH POSITIVE DRAINAGE BEING MAINTAINED IN ACCORDANCE WITH DESIGN PLANS. A MINIMUM OF 1% SLOPE SHALL BE MAINTAINED IN ALL ASPHALT PAVEMENT AREA.
- C. HOT MIX ASPHALT CONSTRUCTION TO BE PROVIDED PER MORE STRINGENT REQUIREMENTS OF GEOTECHNICAL REPORT OR CONSTRUCTION DOCUMENTS. D. CONTRACTOR TO PROVIDE 4" WIDE PAINTED STRIPING FOR PARKING STALLS, TRAFFIC LANES, AND NO PARKING AREAS. PAINT MARKINGS SHALL ALSO BE PROVIDED FOR H.C. ACCESSIBLE SYMBOLS, TRAFFIC ARROWS, AND TRAFFIC MESSAGES. HIGH-OUALITY YELLOW PAINT MANUFACTURED SPECIFICALLY FOR PAVEMENT STRIPING SHALL BE USED FOR ADA STALLS. THE PREFFERED COLOR FOR NON-ADA PARKING STALLS IS A HIGH-QUALITY WHITE PAINT, MANUFACTURED SPECIFICALLY FOR PAVEMENT STRIPING. ALL

PAVEMENT MARKINGS WITHIN STATE ROW (IL 53) SHALL ADHERE TO IL DOT STANDARDS. FOR PCC

PAVEMENTS, MODIFIED URETHANE PAVEMENT MARKING IS REQUIRED. FOR HMA PAVEMENTS,

THERMOPLASTIC PAVEMENT MARKING IS REQUIRED. 32 20 00 CONCRETE AND AGGREGATE BASE

- A. CONTRACTOR TO PROVIDE CRUSHED AGGREGATE BASE AND CONCRETE WHERE INDICATED ON THE PLANS. B. ALL AGGREGATE PROVIDED MUST COMPLY WITH SECTION 351 OF THE ILLINOIS STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. ALL AGGREGATE PLACED MUST BE COMPACTED TO AN AVERAGE DENSITY PER ILLINOIS STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION
- DESIGN AND CONSTRUCTION OF ALL CAST-IN-PLACE EXTERIOR CONCRETE FLAT WORK SHALL CONFORM TO ACI 330R-08 & ACI 318-08. D. EXTERIOR CONCRETE FLAT WORK CONSTRUCTION TO BE PROVIDED PER MORE STRINGENT REQUIREMENTS OF THE GEOTECHNICAL REPORT OR THIS SPECIFICATION. CONCRETE FLAT WORK CONSTRUCTION IS AS
- 1. SIDEWALK CONCRETE 6" OF PCC OVER 4" OF 3/4" CRUSHED AGGREGATE BASE. CONTRACTION JOINTS SHALL CONSIST OF 1/8" WIDE BY 1" DEEP TOOLED JOINT WHERE INDICATED ON THE PLANS. 2. DUMPSTER PAD/APRON CONCRETE - 8" OF CONCRETE OVER 6" OF (IDOT) CA-06 AGGREGATE BASE. a. CONCRETE SHALL BE STEEL REINFORCED WITH THE FOLLOWING AND PLACED IN THE UPPER 1/3 TO 1/2
- OF THE SLAB: 1) TIE BARS AT ALL CONTRACTION JOINTS OF THE CONCRETE. TIE BARS SHALL BE #4 REBAR 30" LONG PLACED AT 30" O.C.
- b. DUMPSTER PAD CONCRETE JOINTING SHALL BE AS FOLLOWS: 1) CONTRACTION SAWCUT JOINT - CONTRACTOR SHALL PROVIDE A SAWCUT JOINT AT MAXIMUM SPACING OF 15' ON CENTER. SAWCUT SHALL BE 2" IN DEPTH. 2) TYPICAL POUR CONTROL JOINT - POUR CONTROL JOINT SHALL BE PROVIDED WITH 1-1/4" DIAMETER BY 20" LONG SMOOTH DOWEL PLACED AT 12" O.C. ONE HALF OF THE DOWEL SHALL BE
- GREASED. GREENSTREAK 9" SPEED DOWEL TUBES SHALL BE USED. 4. HEAVY DUTY CONCRETE (TRUCK TRAFFIC) - 8" OF CONCRETE OVER 6" OF (IDOT) CA-06 AGGREGATE BASE. CONCRETE SHALL BE REINFORCED WITH #3 REBARS ON CHAIRS AT 3' O.C. REBAR SHALL BE PLACED PLACED IN THE UPPER 1/3 TO ½ OF THE SLAB. CONTRACTION JOINTS SHALL BE SAWCUT 1.5" IN DEPTH AND BE SPACED A MAXIMUM OF 15' ON CENTER.
- E. DESIGN MIXES SHALL BE IN ACCORDANCE WITH ASTM C94 1. STRENGTH TO BE MINIMUM OF 4,500 PSI AT 28 DAYS FOR EXTERIOR CONCRETE.
- 2. MAXIMUM WATER/CEMENT RATIO SHALL BE 0.45. 3. SLUMP SHALL NOT EXCEED 4" FOR EXTERIOR CONCRETE FLAT WORK
- 4. SLUMP SHALL BE 2.5" OR LESS FOR SLIP-FORMED CURB AND GUTTER 5. SLUMP SHALL BE BETWEEN 1.5" TO 3" FOR NON SLIP-FORMED CURB AND GUTTER.
- 6. ALL EXTERIOR CONCRETE SHALL BE AIR ENTRAINED WITH 4% TO 7% AIR CONTENT. NO OTHER ADMIXTURES SHALL BE USED WITHOUT APPROVAL OF EXCEL ENGINEERING, INC. CALCIUM CHLORIDE SHALL NOT BE USED. 7. MAXIMUM AGGREGATE SIZE FOR ALL EXTERIOR CONCRETE SHALL BE 0.75 INCHES.
- F. VERIFY EQUIPMENT CONCRETE PAD SIZES WITH RESPECTIVE CONTRACTORS. PADS SHALL HAVE FIBERMESH 300 FIBERS AT A RATE OF 1.5 LBS/CU. YD. OR 6 X 6-W1.4 X W1.4 WELDED WIRE MESH WITH MINIMUM 1 INCH COVER. EQUIPMENT PADS SHALL BE 3.5 INCHES THICK WITH 1 INCH CHAMFER UNLESS SPECIFIED OTHERWISE. COORDINATE ADDITIONAL PAD REQUIREMENTS WITH RESPECTIVE CONTRACTOR. G. ALL CONCRETE FLAT WORK SURFACES AND CONCRETE CURB FLOWLINES SHALL BE CONSTRUCTED TO
- WITHIN 0.05' OF DESIGN SURFACE AND FLOWLINE GRADES ASSUMING POSITIVE DRAINAGE IS MAINTAINED IN ACCORDANCE WITH THE DESIGN PLANS. H. PROPOSED CONCRETE CURB AND GUTTER SHALL BE DOWELLED INTO EXISTING CURB AND GUTTER THAT HAS BEEN SAW CUT AND REMOVED. CUTTING OFF THE CURB HEAD IS NOT ALLOWED. THREE (3) DRILLED AND GROUTED NO. 5 REINFORCING BARS OR EXPANSION TIE ANCHORS, 5/8" IN DIAMETER, SHALL BE LISED TO TIE THE NEW CURB AND GUTTER TO THE EXISTING CURB AND GUTTER ON EACH SIDE. A MINIMUM 36"
- PAVEMENT PATCH IS REQUIRED ADJACENT TO REMOVED CURB AND GUTTER TO ENSURE PROPER COMPACTION CONCRETE FLAT WORK SHALL HAVE CONSTRUCTION JOINTS OR SAW CUT JOINTS PLACED AS INDICATED ON THE PLANS OR PER THIS SPECIFICATION. SAWCUTS SHALL BE DONE AS SOON AS POSSIBLE, BUT NO LATER THAN 24 HOURS AFTER CONCRETE IS PLACED. CONCRETE CURB AND GUTTER JOINTING SHALL BE PLACED EVERY 10' OR CLOSER (6' MIN.). IF CONCRETE PAVEMENT IS ADJACENT TO CONCRETE CURB, JOINTING IN THE PAVEMENT AND CURB SHALL ALIGN. ALL EXTERIOR CONCRETE SHALL HAVE A LIGHT BROOM FINISH UNLESS NOTED OTHERWISE. A UNIFORM COAT OF A HIGH SOLIDS CURING COMPOUND MEETING ASTM C309 SHOULD BE APPLIED TO ALL EXPOSED CONCRETE SURFACES. ALL CONCRETE IS TO BE CURED FOR 7 DAYS. EXTERIOR CONCRETE SHALL BE SEPARATED FROM BUILDINGS WITH CONTINUOUS 0.5 INCH FIBER EXPANSION JOINT AND/OR 0.25 INCH FIBER EXPANSION JOINT AT DECORATIVE MASONRY
- . ALL REINFORCING BARS SHALL BE ASTM A615 GRADE 60. THICKNESS OF CONCRETE COVER OVER REINFORCEMENT SHALL BE NOT LESS THAN 3" WHERE CONCRETE IS DEPOSITED AGAINST THE GROUND WITHOUT THE USE OF FORMS AND NOT LESS THAN 1.5" IN ALL OTHER LOCATIONS. ALL REINFORCING SHALL BE LAPPED 36 DIAMETERS FOR UP TO #6 BARS, 60 DIAMETERS FOR #7 TO #10 BARS OR AS NOTED ON THE DRAWINGS AND EXTENDED AROUND CORNERS WITH CORNER BARS. PLACING AND DETAILING OF STEEL REINFORCING AND REINFORCING SUPPORTS SHALL BE IN ACCORDANCE WITH CRSI AND ACI MANUAL AND STANDARD PRACTICES. THE REINFORCEMENT SHALL NOT BE PAINTED AND MUST BE FREE OF GREASE/OIL, DIRT OR DEEP RUST WHEN PLACED IN THE WORK. ALL WELDED WIRE FABRIC SHALL MEET THE REQUIREMENTS OF ASTM A 185. WELDED WIRE FABRIC SHALL BE PLACED 2" FROM TOP OF SLAB,
- UNLESS INDICATED OTHERWISE K. CONTRACTOR SHALL ENGAGE A QUALIFIED INDEPENDENT TESTING AND INSPECTING AGENCY TO SAMPLE MATERIALS, PERFORM TESTS, AND SUBMIT TEST REPORTS DURING CONCRETE PLACEMENT. TESTS WILL BE PERFORMED ACCORDING TO ACI 301. CAST AND LABORATORY CURE ONE SET OF FOUR STANDARD CYLINDERS FOR EACH COMPOSITE SAMPLE FOR EACH DAY'S POUR OF EACH CONCRETE MIX EXCEEDING 5 CLL YD BUT LESS THAN 25 CLL YD PLUS ONE SET FOR EACH ADDITIONAL 50 CU. YD. OR FRACTION THEREOF. PERFORM COMPRESSIVE-STRENGTH TESTS ACCORDING TO ASTM C 39. TEST TWO SPECIMENS AT 7 DAYS AND TWO SPECIMENS AT 28 DAYS, PERFORM SLUMP TESTING ACCORDING TO ASTM C 143. PROVIDE ONE TEST AT POINT OF PLACEMENT FOR EACH COMPOSITE SAMPLE, BUT NOT LESS THAN ONE TEST FOR EACH DAY'S POUR OF EACH CONCRETE MIX. PERFORM ADDITIONAL TESTS WHEN CONCRETE
- CONSISTENCY APPEARS TO CHANGE PROTECT FRESHLY PLACED CONCRETE FROM PREMATURE DRYING AND EXCESSIVE COLD OR HOT TEMPERATURES. IN HOT, DRY, AND WINDY WEATHER, APPLY AN EVAPORATION-CONTROL COMPOUND ACCORDING TO MANUFACTURER'S INSTRUCTIONS AFTER SCREEDING AND BULL FLOATING, BUT BEFORE
- M. LIMIT MAXIMUM WATER-CEMENTIOUS RATIO OF CONCRETE EXPOSED TO FREEZING, THAWING AND N. TEST RESULTS WILL BE REPORTED IN WRITING TO THE DESIGN ENGINEER, READY-MIX PRODUCER, AND CONTRACTOR WITHIN 24 HOURS AFTER TESTS. REPORTS OF COMPRESSIVE STRENGTH TESTS SHALL CONTAIN THE PROJECT IDENTIFICATION NAME AND NUMBER, DATE OF CONCRETE PLACEMENT, NAME OF

CONCRETE TESTING SERVICE, CONCRETE TYPE AND CLASS, LOCATION OF CONCRETE BATCH IN STRUCTURE

DESIGN COMPRESSIVE STRENGTH AT 28 DAYS, CONCRETE MIX PROPORTIONS AND MATERIALS, COMPRESSIVE BREAKING STRENGTH, AND TYPE OF BREAK FOR BOTH 7-DAY TESTS AND 28-DAY TESTS.

32 30 00 LANDSCAPING AND SITE STABILIZATION

- A. TOPSOIL: CONTRACTOR TO PROVIDE A MINIMUM OF 6" OF TOPSOIL FOR ALL DISTURBED OPEN AREAS. REUSE SURFACE SOIL STOCKPILED ON SITE AND SUPPLEMENT WITH IMPORTED OR MANUFACTURED TOPSOIL FROM OFF SITE SOURCES WHEN QUANTITIES ARE INSUFFICIENT. EXCAVATOR SHALL BE RESPONSIBLE FOR ROUGH PLACEMENT OF TOPSOIL TO WITHIN 1" OF FINAL GRADE PRIOR TO LANDSCAPER FINAL GRADING. LANDSCAPER TO PROVIDE PULVERIZING AND FINAL GRADING OF TOPSOIL. PROVIDE SOIL ANALYSIS BY A QUALIFIED SOIL TESTING LABORATORY AS REQUIRED TO VERIFY THE SUITABILITY OF SOIL TO BE USED AS TOPSOIL AND TO DETERMINE THE NECESSARY SOIL AMENDMENTS. TEST SOIL FOR PRESENCE OF ATRAZINE AND INFORM EXCEL ENGINEERING, INC. IF PRESENT PRIOR TO BIDDING PROJECT. TOPSOIL SHALL HAVE A PH RANGE OF 5.5 TO 8, CONTAIN A MINIMUM OF 5 PERCENT ORGANIC MATERIAL CONTENT, AND SHALL BE FREE OF STONES 1 INCH OR LARGER IN DIAMETER. ALL MATERIALS HARMFUL TO PLANT
- GROWTH SHALL ALSO BE REMOVED. B. TOPSOIL INSTALLATION: LOOSEN SUBGRADE TO A MINIMUM DEPTH OF 6 INCHES AND REMOVE STONES LARGER THAN 1" IN DIAMETER. ALSO REMOVE ANY STICKS, ROOTS, RUBBISH, AND OTHER EXTRANEOUS MATTER AND DISPOSE OF THEM OFF THE PROPERTY. SPREAD TOPSOIL TO A DEPTH OF 6" BUT NOT LESS THAN WHAT IS REQUIRED TO MEET FINISHED GRADES AFTER LIGHT ROLLING AND NATURAL SETTLEMENT. DO NOT SPREAD TOPSOIL IF SUBGRADE IS FROZEN, MUDDY, OR EXCESSIVELY WET. GRADE PLANTING AREAS TO A SMOOTH, UNIFORM SURFACE PLANE WITH LOOSE, UNIFORMLY FINE TEXTURE. GRADE TO WITHIN 0.05 FEET OF FINISHED GRADE ELEVATION.
- C. <u>SODDED LAWNS</u>: PROVIDE SOD CONSISTING OF THE FOLLOWING GRASS SPECIES 65% KENTUCKY BLUEGRASS, 20% PERENNIAL RYEGRASS, 15% FINE FESCUE. PROVIDE VIABLE SOD OF UNIFORM DENSITY, COLOR, AND TEXTURE. SOD SHOULD BE STRONGLY ROOTED AND CAPABLE OF VIGOROUS GROWTH AND DEVELOPMENT WHEN PLANTED. LAY SOD WITHIN 24 HOURS OF HARVESTING. DO NOT LAY SOD IF DORMANT OR IF GROUND IS FROZEN OR MUDDY. LAY SOD WITH TIGHTLY FITTED BUTT END AND SIDE JOINTS. DO NOT STRETCH OR OVERLAP. STAGGER SOD STRIPS TO OFFSET JOINTS IN ADJACENT COURSES. TAMP AND ROLL LIGHTLY TO ENSURE CONTACT WITH TOPSOIL. ANCHOR SOD ON SLOPES EXCEEDING 6:1 SLOPE. PROVIDE SLOW RELEASE FERTILIZER AS RECOMMENDED BY SOD SUPPLIER FOR PROPER LAWN ESTABLISHMENT. SATURATE WITH FINE WATER SPRAY WITHIN 2 HOURS OF PLANTING.
- D. SODDED LAWN MAINTENANCE: CONTRACTOR TO PROVIDE MAINTENANCE FOR ALL SODDED AREAS FOR A PERIOD OF 90 DAYS FROM THE DATE OF INSTALLATION. AT THE END OF THE MAINTENANCE PERIOD, A HEALTHY, WELL-ROOTED, EVEN-COLORED, VIABLE LAWN SHOULD BE ESTABLISHED. THE LAWN SHOULD BE FREE OF WEEDS, OPEN JOINTS, BARE AREAS, AND SURFACE IRREGULARITIES. REESTABLISH LAWNS THAT DO NOT COMPLY WITH THESE REQUIREMENTS AND CONTINUE MAINTENANCE UNTIL LAWNS ARE
- E. TREES AND SHRUBS: FURNISH NURSERY-GROWN TREES AND SHRUBS WITH HEALTHY ROOT SYSTEMS DEVELOPED BY TRANSPLANTING OR ROOT PRUNING. PROVIDE WELL-SHAPED, FULLY BRANCHED, AND HEALTHY LOOKING STOCK. STOCK SHOULD ALSO BE FREE OF DISEASE, INSECTS, EGGS, LARVAE, AND DEFECTS SUCH AS KNOTS, SUN SCALD, INJURIES, ABRASIONS, AND DISFIGUREMENT. SEE THE LANDSCAPE PLAN FOR SPECIFIC SPECIE TYPE, SIZE, AND LOCATION.
- F. TREE AND SHRUB INSTALLATION: EXCAVATE CIRCULAR PITS WITH SIDES SLOPED INWARD. TRIM BASE LEAVING CENTER AREA RAISED SLIGHTLY TO SUPPORT ROOT BALL. EXCAVATE PIT APPROXIMATELY THREE TIMES AS WIDE AS THE ROOT BALL DIAMETER. SET TREES AND SHRUBS PLUMB AND IN CENTER OF PIT WITH TOP OF BALL 1" ABOVE ADJACENT FINISHED GRADES. PLACE PLANTING SOIL MIX AROUND ROOT BALL IN LAYERS AND TAMP TO SETTLE MIX. WATER ALL PLANTS THOROUGHLY. PROVIDE TEMPORARY STAKING FOR TREES AS REOUIRED.
- G. TREE AND SHRUB MAINTENANCE/WARRANTY: CONTRACTOR TO PROVIDE MAINTENANCE OF ALL LANDSCAPING FOR A PERIOD OF 90 DAYS FROM THE DATE OF INSTALLATION. MAINTENANCE TO INCLUDE REGULAR WATERING AS REQUIRED FOR SUCCESSFUL PLANT ESTABLISHMENT. CONTRACTOR TO PROVIDE 1 YEAR WARRANTY ON ALL TREES, SHRUBS, AND PERENNIALS.
- H. DECORATIVE STONE MULCH: PROVIDE 3" MINIMUM THICK BLANKET OF 1.5" MINIMUM TO 2.5" MAXIMUM RIVER ROCK STONE MULCH AT ALL PLANTING AREAS INDICATED ON THE LANDSCAPE PLAN. INSTALL OVER NON-WOVEN WEED BARRIER FABRIC. LANDSCAPE CONTRACTOR SHALL PROVIDE A SAMPLE TO THE OWNER FOR APPROVAL PRIOR TO INSTALLATION.
- I. PLASTIC EDGING: INSTALL VALLEY VIEW INDUSTRIES BLACK DIAMOND LAWN EDGING TO SEPARATE ALL PLANTING BEDS FROM LAWN AREAS. EDGING TO BE 5.5" TALL WITH METAL STAKES INSTALLED PER MANUFACTURER'S WRITTEN INSTRUCTIONS.

DIVISION 33 UTILITIES

33 10 00 SITE UTILITIES

- A. CONTRACTOR TO FIELD VERIFY ALL EXISTING UNDERGROUND UTILITIES ON SITE. CONTRACTOR TO VERIFY PIPE LOCATIONS, SIZES, AND DEPTHS AT POINT OF PROPOSED CONNECTIONS AND VERIFY PROPOSED UTILITY ROUTES ARE CLEAR (PER CODE) OF ALL EXISTING UTILITIES AND OTHER OBSTRUCTIONS PRIOR TO CONSTRUCTION. COSTS INCURRED FOR FAILURE TO DO SO SHALL BE THE CONTRACTORS RESPONSIBILITY. B. ALL PROPOSED SANITARY PIPE SHALL BE IN ACCORDANCE WITH MATERIALS SPECIFIED IN TABLE A: ALLOWABLE PIPE MATERIAL SCHEDULE ON C1.4 OF THE PROPOSED PLANSET.
- C. SANITARY MANHOLES SHALL BE 48" PRECAST (60" FOR MONITORING MANHOLES) AND CONFORM TO VILLAGE STANDARDS AND THE STANDARD SPECIFICATIONS FOR SEWER & WATER CONSTRUCTION IN ILLINOIS-CURRENT EDITION UNLESS OTHERWISE DIRECTED BY THE ENGINEER. SANITARY MANHOLE FRAME AND COVER TO BE EAST JORDAN 1050Z1 EMBOSSED WITH 'SANITARY' AND 'ROMEOVILLE'. SEE DETAILS ON
- D. CLEANOUTS SHALL BE PROVIDED FOR THE SANITARY SERVICE AT LOCATIONS INDICATED ON THE UTILITY PLAN. THE CLEANOUT SHALL CONSIST OF A COMBINATION WYE FITTING IN LINE WITH THE SANITARY SERVICE WITH THE CLEANOUT LEG OF THE COMBINATION WYE FACING STRAIGHT UP. THE CLEANOUT SHALL CONSIST OF A 4" OR 6" VERTICAL PVC PIPE WITH A WATER TIGHT REMOVABLE CLEANOUT PLUG. AN 8" PVC FROST SLEEVE SHALL BE PROVIDED. THE BOTTOM OF THE FROST SLEEVE SHALL TERMINATE 12" ABOVE THE TOP OF THE SANITARY LATERAL OR AT LEAST 6" BELOW THE PREDICTED FROST DEPTH, WHICHEVER IS SHALLOWER. THE CLEANOUT SHALL EXTEND JUST ABOVE THE SURFACE GRADE IN LAWN OR LANDSCAPE AREAS WITH THE FROST SLEEVE TERMINATING AT THE GRADE SURFACE. THE CLEANOUT SHALL EXTEND TO 4 INCHES BELOW SURFACE GRADE IN PAVED SURFACES WITH A ZURN (Z-1474-N) HEAVY DUTY CLEANOUT HOUSING PLACED OVER THE TOP OF THE CLEANOUT FLUSH WITH THE SURFACE GRADE. IN PAVED SURFACES. THE FROST SLEEVE SHALL TERMINATE IN A CONCRETE PAD AT LEAST 6" THICK AND EXTENDING AT LEAST 9" FROM THE SLEEVE ON ALL SIDES, SLOPING AWAY FROM THE SLEEVE. THE
- CLEANOUT HOUSING SHALL BE CONSTRUCTED PER MANUFACTURERS REQUIREMENTS. E. ALL PROPOSED WATER PIPE SHALL BE IN ACCORDANCE WITH MATERIALS SPECIFIED IN TABLE A: ALLOWABLE PIPE MATERIAL SCHEDULE ON C1.4 OF THE PROPOSED PLANSET. 5' MINIMUM COVER SHALL BE PROVIDED OVER ALL WATER PIPING UNLESS OTHERWISE SPECIFIED.
- F. ALL PROPOSED STORM PIPE SHALL BE IN ACCORDANCE WITH MATERIALS SPECIFIED IN TABLE A: ALLOWABLE PIPE MATERIAL SCHEDULE ON C1.4 OF THE PROPOSED PLANSET. SEE UTILITY PLANS FOR ALL STORM PIPE MATERIAL TYPES TO BE USED. PIPE SHALL BE PLACED MIN. 8' HORIZONTALLY FROM
- FOUNDATION WALLS. G. SANITARY, STORM, AND WATER UTILITY PIPE INVERTS SHALL BE CONSTRUCTED WITHIN 0.10' OF DESIGN INVERT ELEVATIONS ASSUMING PIPE SLOPE AND SEPARATION IS MAINTAINED PER THE UTILITY DESIGN PLANS AND STATE REQUIREMENTS.
- H. SITE UTILITY CONTRACTOR SHALL RUN SANITARY SERVICE TO A POINT WHICH IS A MINIMUM OF 5' FROM THE EXTERIOR WALL OF THE FOUNDATION. SITE UTILITY CONTRACTOR SHALL RUN STORM SEWER FOR INTERNALLY DRAINED BUILDINGS TO A POINT WHICH IS A MINIMUM OF 5' FROM THE EXTERIOR WALL OF THE FOUNDATION. SITE UTILITY CONTRACTOR SHALL RUN DOWNSPOUT LEADS TO BUILDING FOUNDATION AND UP 6" ABOVE SURFACE GRADE FOR CONNECTION TO DOWNSPOUT. ALL DOWNSPOUT LOCATIONS SHOULD BE VERIFIED WITH ARCHITECTURAL PLANS AND DOWNSPOUT CONTRACTOR/GC PRIOR TO INSTALLATION OF DOWNSPOUT LEADS. DOWNSPOUT LEADS SHALL NOT UNDERMINE BUILDING FOUNDATIONS. SITE UTILITY CONTRACTOR SHALL RUN WATER SERVICE TO A POINT WITHIN THE FOUNDATION SPECIFIED BY THE PLUMBING PLANS. CONTRACTOR TO CUT AND CAP WATER SERVICE 12" ABOVE FINISHED FLOOR ELEVATION.
- I. ALL UTILITIES SHALL BE INSTALLED WITH PLASTIC COATED TRACER WIRE (10 TO 14 GAUGE SOLID COPPER, OR COPPER COATED STEEL WIRE). PLASTIC WIRE MAY BE TAPED TO PLASTIC WATER OR SEWER PIPE. IF ATTACHED, THE TRACER WIRE SHALL BE SECURED EVERY 6 TO 20 FEET AND AT ALL BENDS. TRACER WIRE SHALL HAVE ACCESS POINTS AT LEAST EVERY 300 FEET. TRACER WIRE SHALL TERMINATE IN ACCORDANCE WITH MANUFACTURER SPECIFICATIONS AT GRADE OR IN TERMINATION BOX PER LOCAL/STATE REOUIREMENTS.
- J. ALL UTILITIES SHALL BE INSTALLED PER STATE, LOCAL, AND INDUSTRY STANDARDS. WATER, SANITARY, AND STORM SEWER SHALL BE INSTALLED PER "STANDARD SPECIFICATION FOR SEWER AND WATER CONSTRUCTION IN ILLINOIS". THE DESIGN ENGINEER SHALL BE RESPONSIBLE FOR OBTAINING STATE PLUMBING REVIEW APPROVAL. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL OTHER PERMITS REQUIRED TO INSTALL WATER, SANITARY AND STORM SEWER.
- K. SEE PLANS FOR ALL OTHER UTILITY SPECIFICATIONS AND DETAILS.



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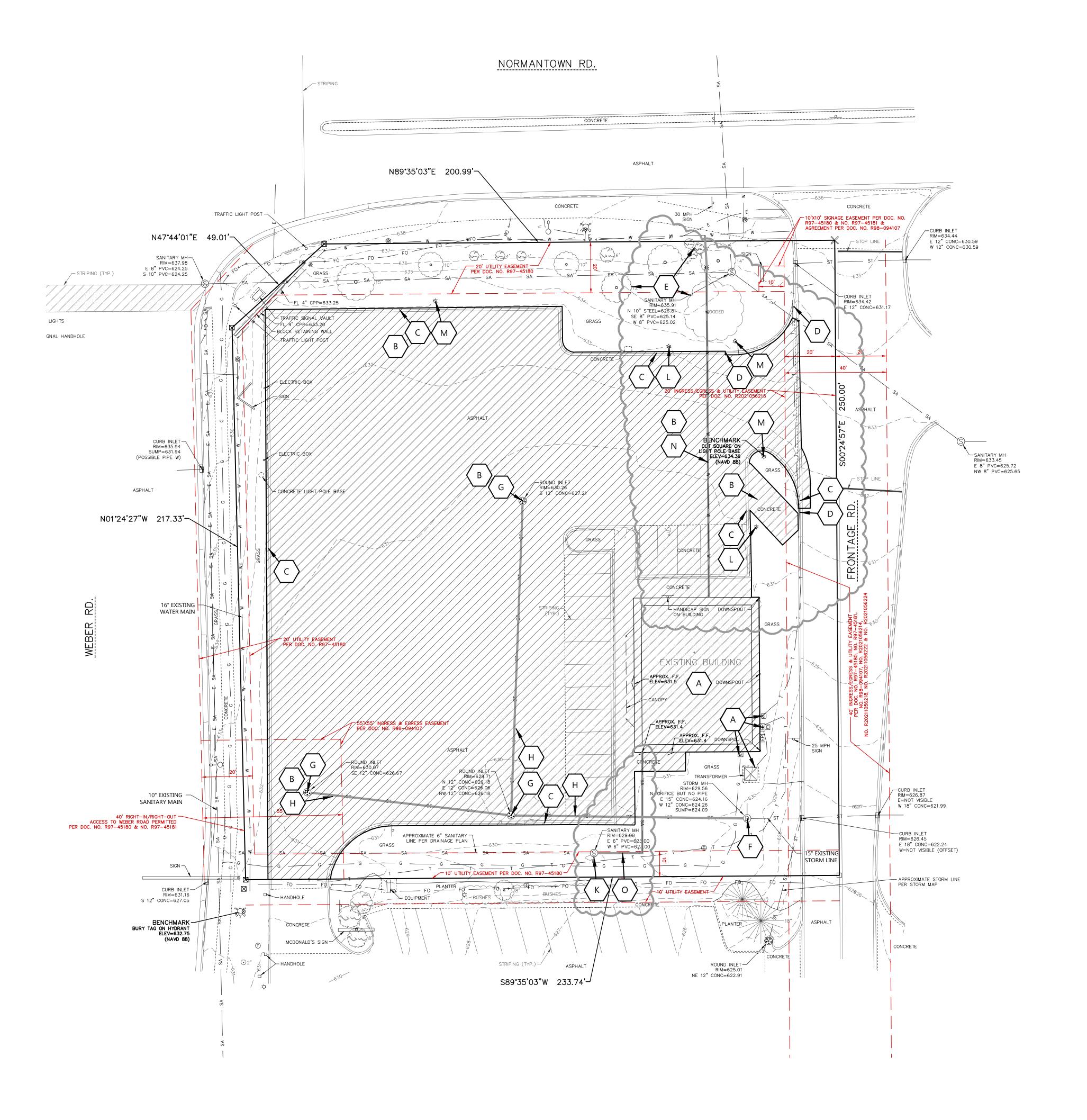
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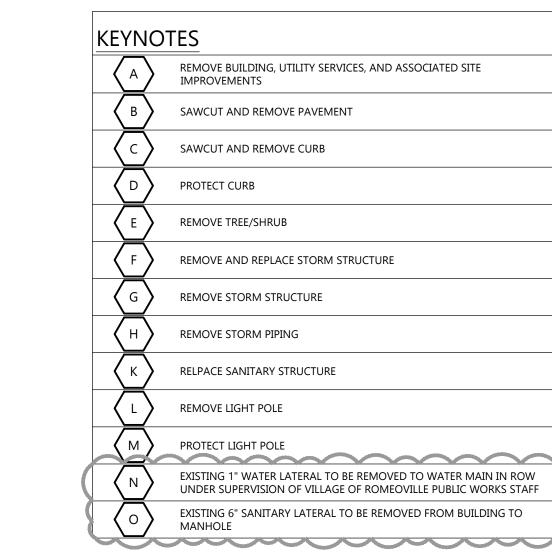
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PROFESSIONAL SEAL

SHEET DATES ISSUED FOR CONSTRUCTION AUG. 27, 2025 OCT. 15, 2025 AD2 NOV. 17, 2025

250145300





BENCHMARK INFORMATION

BENCHMARK	ELEVATION
1. CUT SQUARE ON LIGHT POLE BASE ON THE SOUTH SIDE OF SITE ACCESS AISLE APPROX. 105' SOUTH OF THE SOUTHWESTERN-MOST CORNER OF THE INTERSECTION OF NORMANTOWN RD. AND THE PRIVATE DRIVE.	634.36
2. BURY TAG ON HYDRANT ON THE EAST SIDE OF WEBER RD. APPROX. 251' SOUTH OF THE SOUTHEASTERN-MOST CORNER OF THE INTERSECTION OF WEBER RD AND NORMANTOWN RD.	632.75

SURVEY DATUM NOTE:

VERTICAL DATUM: NAVD 88

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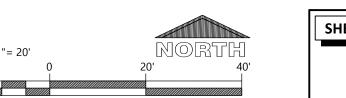
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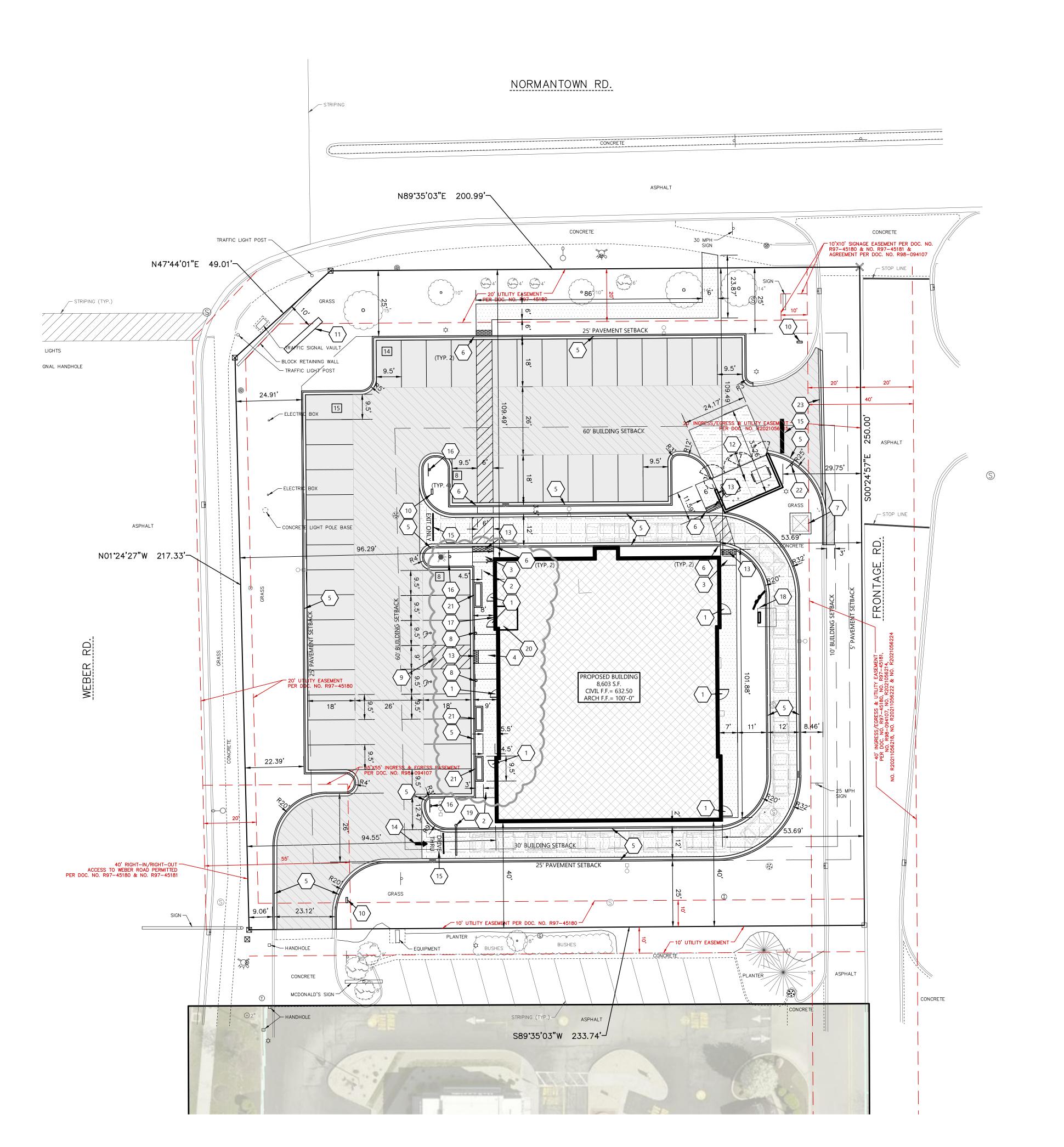
PROFESSIONAL SEAL

SHEET DATES **ISSUED FOR CONSTRUCTION** AUG. 27, 2025 OCT. 15, 2025 AD2 NOV. 17, 2025

250145300



CIVIL EXISTING SITE AND DEMOLITION PLAN



GENERAL NOTES:

• THREE (3) DRILLED AND GROUTED NO. 5 REINFORCING BARS OR EXPANSION TIE ANCHORS, 5/8" IN DIAMETER, SHALL BE USED TO TIE THE NEW CURB AND GUTTER TO THE EXISTING CURB AND GUTTER ON EACH SIDE.

PARCEL NUMBER: 12-02-32-102-001
PROPERTY AREA: 58,386 S.F. (1.34 ACRES

SITE INFORMATION: PROPERTY AREA: 58,386 S.F. (1.34 ACRES). EXISTING ZONING: B-3 PROPOSED ZONING: B-3 EXISTING USE: VACANT GAS STATION W/ CONVENIENCE STORE PROPOSED USE: MULTI-TENANT BUILDING (W/ DRIVE THRU) AREA OF SITE DISTURBANCE: 50,987 S.F. (1.17 ACRES) BUILDING: FRONT(WEST) = 60' SIDE(EAST) = 10' REAR(SOUTH) = 30' STREET (NORTH)= 60' PAVEMENT: FRONT(WEST) = 25' SIDE(EAST) = 5' REAR(SOUTH) = 25' STREET(NORTH) = 25'

PROPOSED BUILDING HEIGHT: 23' (MAX. HEIGHT ALLOWED: 40')

PARKING REQUIRED: RESTAURANTS=1 SPACE PER 50 S.F. OF FLOOR AREA ACCOMMODATING CUSTOMERS (14 H-BROS SPACES REQ.) (C/G ASSUMING 18)
LIQUOR STORE= 1 SPACE PER 300 S.F. OF CUSTOMER SERVICE AREA (14 SPACES REQ.)

PARKING PROVIDED: 46 SPACE (2 H.C. ACCESSIBLE) QUEUING PROVIDED: 14 VEHICLES

HANDICAP STALLS REQUIRED: 2, HANDICAP STALLS PROVIDED: 2

LANDSCAPE REQUIREMENTS: MIN. LANDSCAPE SURFACE RATIO: 15% (32.5% PROVIDED)

		— Area (AC)	AREA (SF)	RAT	
BUILDING FLOOR	AREA	0.07	2,997	5.1	
PAVEMENT (ASP.	& CONC.)	0.90	39,157	67.1	
TOTAL IMPERVIO	US	0.97	42,154	72.2	
LANDSCAPE/ OPE	N SPACE	0.37	16,232	27.8	
PROJECT SITE		1.34	58,386	100.0	
PR∩P∩SI	ED SITE DA	ТА			
11101 031		AREA (AC)	AREA (SF)	RAT	
BUILDING FLOOR	AREA	0.20	8,603	14.7	
PAVEMENT (ASP. & CONC.)		0.71	30,791	52.7	
TOTAL IMPERVIO		0.90	39,394	67.5	
LANDSCAPE/ OPE	N SPACE	0.44	18,992	32.5	
PROJECT SITE		1.34	58,386	100.0	
KEYNOTE	S				
1	CONCRETE STOOP (S	EE STRUCTURAL PLANS FOR I	DETAILS)		
2	RAISED WALK (SEE DE	ETAIL)			
3	Curb ramp (see det	AIL)			
4	ADA CURB RAMP (SF	F DETAIL)			

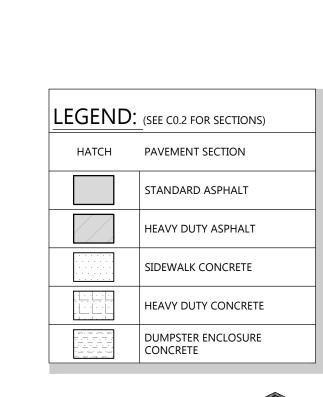
$\langle 2 \rangle$	RAISED WALK (SEE DETAIL)
3	CURB RAMP (SEE DETAIL)
4	ADA CURB RAMP (SEE DETAIL)
5	B6.12 CURB & GUTTER (SEE DETAIL)
$\left\langle 6\right\rangle$	CURB TAPER (SEE DETAIL)
$\overline{7}$	CONCRETE TRANSFORMER PAD BY UTILITY SUPPLIER (CONTRACTOR TO VERIFY FINAL LOCATION & DESIGN PRIOR TO CONSTRUCTION)
8	HANDICAP SIGN PER STATE CODE (SEE DETAIL)
9	HANDICAP STALL & STRIPING PER STATE CODES
(10)	SITE DIRECTIONAL SIGN (DETAILS, FINAL LOCATION, & APPROVAL BY SIGN VENDOR)
(11)	PYLON SIGN (DETAILS, FINAL LOCATION, & APPROVAL BY SIGN VENDOR)
12	DUMPSTER ENCLOSURE (SEE ARCH PLANS FOR DETAILS)
13	DETECTABLE WARNING PLATE. DETECTIBLE WARNING PLATES SHALL BE EAST JORDAN INSERTS, HEAVY DUTY LOAD RATING, BRICK RED POWDER COATING RAL3016. TWO 3 X 24" PLATES ARE REQUIRED FOR 5' WALKS.
14	TRAFFIC FLOW ARROWS (TYP). COLOR TO MATCH PARKING STALL STRIPING
(15)	PAINT STRIPING (TYP). COLOR TO MATCH PARKING STALL STRIPING
16	NO PARKING OR STANDING-FIRE LANE SIGN PER LOCAL STANDARDS
(17)	KNOX BOX PER LOCAL REQUIREMENTS. (SERIES 3200 OR 4400)
(18)	DRIVE THRU ORDER CANOPY AND MENU BOARD
(19)	CLEARANCE BAR

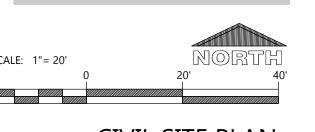
FIRE SPRINKLER/PUMP AND FIRE ALARM ROOM

REPLACED DEPRESSED CURB TO MATCH EXISTING

6" CURB HEAD PLANTER (3' X 9.5')

STOP SIGN PER MUTCD.





CIVIL SITE PLAN

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PROJECT INFORMATION

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SHEET DATES ISSUED FOR CONSTRUCTION AUG. 27, 2025 OCT. 15, 2025 NOV. 17, 2025 AD3 NOV. 18, 2025

JOB NUMBER 250145300

SHEET NUMBER

GENERAL NOTES:

- HANDICAP STALL AND ACCESS AISLES SHALL NOT EXCEED A SLOPE OF 1.50% IN ANY DIRECTION. HANDICAP STALL & ACCESS AISLES SHALL CONFORM TO ADA REQUIREMENTS (CURRENT EDITION)
- ALL SIDEWALKS SHALL NOT EXCEED A MAXIMUM CROSS SLOPE OF 1.50% AND RUNNING SLOPE OF 4.50% UNLESS OTHERWISE SPECIFIED.

GRADING/DRAINAGE LEGEND

PROPOSED SPOT ELEVATIONS (FLOW LINE OF CURB UNLESS OTHERWISE SPECIFIED) 000.00 EG EXISTING GRADE SPOT ELEVATIONS 000.00 TC PROPOSED SPOT ELEVATIONS 000.00 BC (TOP OF CURB, BOTTOM OF CURB)

000.00 TW PROPOSED SPOT ELEVATIONS 000.00 BW (TOP OF WALK, BOTTOM OF WALK) 000.00 FG FINISHED SURFACE GRADE

PROPOSED DRAINAGE FLOW EMERGENCY OVERLAND FLOOD ROUTE

ULTIMATE SITE DISCHARGE FOR EMERGENCY OVERLAND FLOOD ROUTE

Always a Better Plan

100 Camelot Drive

Fond du Lac, WI 54935 920-926-9800

excelengineer.com

PROJECT INFORMATION

SHEET DATES **ISSUED FOR CONSTRUCTION** AUG. 27, 2025

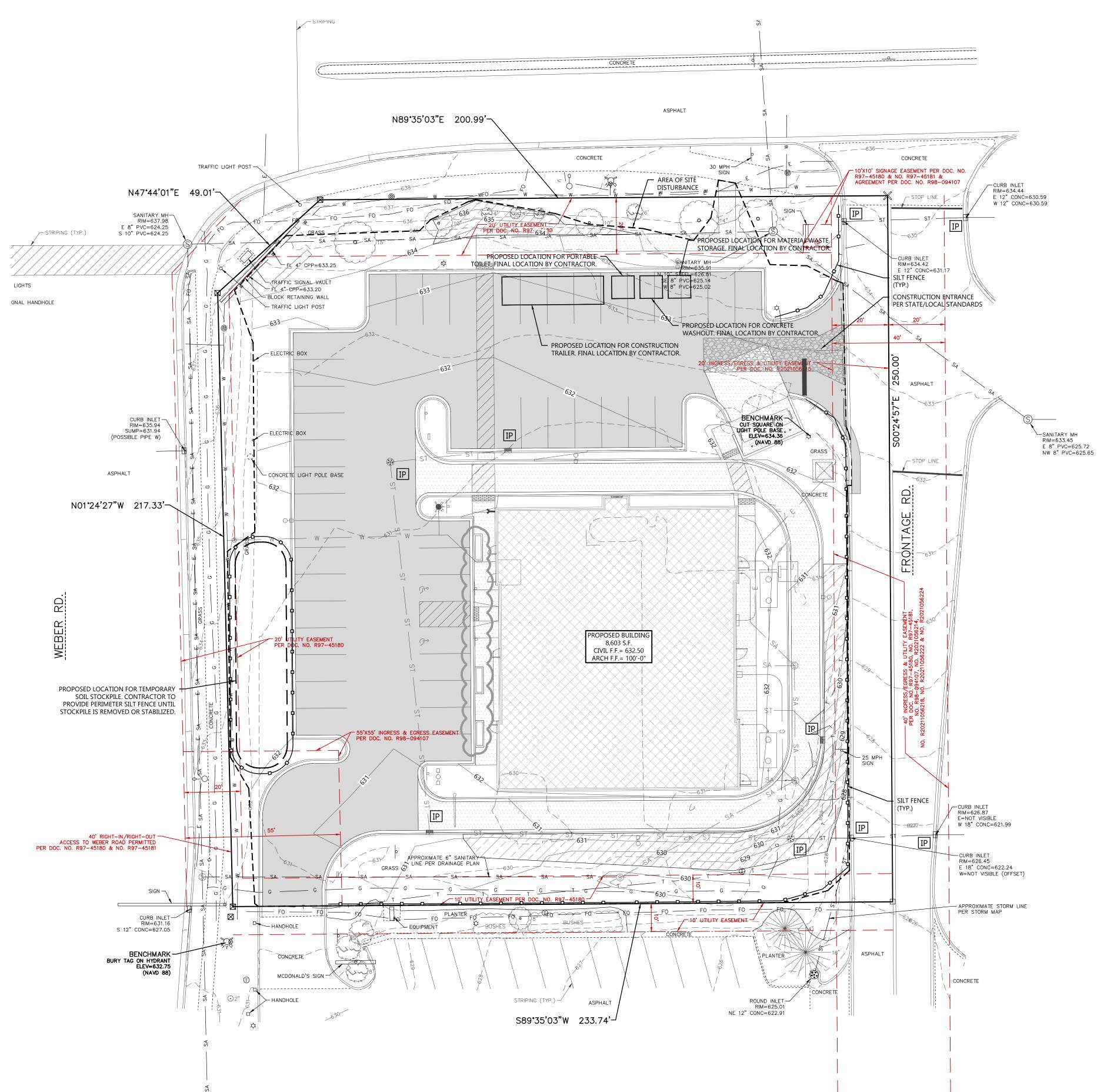
PROFESSIONAL SEAL

OCT. 15, 2025 NOV. 17, 2025 NOV. 18, 2025

250145300

LE: 1"= 20'

CIVIL GRADING PLAN



GENERAL NOTES:

- CONTRACTOR SHALL PROVIDE STABILIZED CONSTRUCTION ENTRANCE AT CONSTRUCTION ENTRANCE FOR PROPOSED IMPROVEMENTS AS REQUIRED PER CODE.
- CONTRACTOR SHALL PROVIDE CONCRETE WASHOUT AS REQUIRED PER CODE. FINAL LOCATION TBD BY CONTRACTOR.
- CONTRACTOR SHALL PROVIDE TEMPORARY INLET PROTECTION FOR ALL CURB INLETS & CATCH BASINS ONSITE & OFFSITE IMMEDIATELY DOWNSTREAM OF THE PROJECT SITE PER LOCAL CODE.

EROSION CONTROL MAINTENANCE RESPONSIBILITY:
OM GROUP
200 S. FRONTAGE RD

SUITE 310 BURR RIDGE, IL 60527 CONTACT: KALPESH PATEL 630-229-4953

CONTRACTOR CONTACT INFORMATION:
TO BE DETERMINED ONCE PROJECT IS UNDER CONTRACT

INLET PROTECTION NOTE:

CONTRACTOR SHALL PROVIDE TEMPORARY INLET PROTECTION FOR ALL CURB INLETS & CATCH BASINS ONSITE & OFFSITE

IMMEDIATELY DOWNSTREAM OF THE PROJECT SITE PER LOCAL CODE.

EROSION CONTROL CERTIFICATE:
THIS EROSION CONTROL PLAN WAS PREPARED BY ME OR UNDER MY DIRECT

SUPERVISION, AND COMPLIES WITH THE URBAN SOIL EROSION CONTROL

AND STANDARDS IN ILLINOIS MANUAL (LATEST EDITION) AND THE

GENERALLY RECOGNIZED METHODS IN USE IN THE AREA.

JASON DAYE, PE IL-062-062299

HATCH KEY:

HATCH LANDSCAPE MATERIAL

EROSION MATTING (NAG S150)
OVER SEEDED LAWN
(> OR = 4:1 SLOPES OUTSIDE OF SWM)

EROSION CONTROL NOTES:

ALL ACCESS TO AND FROM THE CONSTRUCTION SITE IS TO BE RESTRICTED TO THE CONSTRUCTION ENTRANCE.
 ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL PRACTICES MUST BE MAINTAINED AND REPAIRED AS NEEDED TO ASSURE EFFECTIVE PERFORMANCE OF THEIR INTENDED FUNCTION.
 MAJOR AMENDMENTS OF THE SITE DEVELOPMENT OR EROSION AND SEDIMENTATION CONTROL PLANS SHALL BE SUBMITTED TO THE DEPARTMENT OF COMMUNITY DEVELOPMENT TO BE APPROVED IN THE SAME MANNER AS THE ORIGINAL PLANS.
 ANY SEDIMENT REACHING A PUBLIC OR PRIVATE ROAD SHALL BE REMOVED BY SHOVELING OR STREET CLEANING (NOT FLUSHING) BEFORE THE END OF EACH WORKDAY AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL.

ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE DISPOSED OF WITHIN 30 DAYS AFTER THE FINAL SITE STABILIZATION IS ACHIEVED WITH PERMANENT SOIL STABILIZATION MEASURES.
 DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN 7 CALENDAR DAYS FOLLOWING THE END OF ACTIVE DISTURBANCE OR REDISTURBANCE.
 IF DEWATERING DEVICES ARE USED, DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION. ALL PUMPED DISCHARGES SHALL BE ROUTED THROUGH APPROPRIATELY DESIGNED SEDIMENT TRAPS OR BASINS.
 THE CONTRACTOR SHALL TAKE THE NECESSARY STEPS TO CONTROL WASTE SUCH AS DISCARDED BUILDING MATERIALS, CONCRETE TRUCK WASHOUT, CHEMICALS, LITTER AND SANITARY WASTE AT THE CONSTRUCTION SITE THAT MAY CAUSE ADVERSE IMPACTS TO WATER QUALITY.

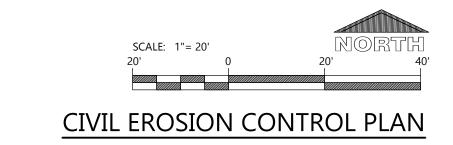
A NOTICE OF INTENT (NOI) MUST BE SUBMITTED TO THE NPDES PERMITTING AUTHORITY AND POSTMARKED AT LEAST 30 DAYS BEFORE COMMENCEMENT OF ANY WORK ON-SITE FOR ALL CONSTRUCTION SITES OVER ONE ACRE. INCLUDED IN THE NOI SHALL BE THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP), WHICH INCLUDES THE APPROPRIATE BMP'S TO MINIMIZE THE DISCHARGE OF POLLUTANTS FROM THE CONSTRUCTION SITE.
 AN INCIDENT OF NON-COMPLIANCE MUST BE COMPLETED AND SUBMITTED TO THE IEPA IF, AT ANY TIME, AN EROSION OR SEDIMENT CONTROL DEVICE FAILS.
 A NOTICE OF TERMINATION (NOT) MUST BE COMPLETED AND SUBMITTED TO THE IEPA WHEN ALL PERMANENT EROSION CONTROL MEASURES ARE IN PLACE WITH A 70% ESTABLISHMENT OF VEGETATION.
 CONTRACTOR TO KEEP THE CONSTRUCTION DOCUMENTS WITH THE SWPPP DOCUMENTS AT THE CONSTRUCTION SITE.

WEEKLY NPDES INSPECTION REPORTS (AND THOSE REQUIRED AFTER 🖫 OF RAINFALL) SHALL BE SENT VIA EMAIL TO NPDES@ROMEOVILLE.ORG

REFER TO SHEET CO.1 FOR ADDITIONAL EROSION CONTROL SPECIFICATIONS.

	CONSTRUCTION SEQUENCE						
PHASE	TYPE OF ACTION						
1. PRE-CONSTRUCTION	1. CONTRACTOR TO CALL JULIE A MINIMUM OF 2 DAYS PRIOR TO CONSTRUCTION.						
ACTION	2. CONTRACTOR TO FIELD VERIFY LOCATION AND DEPTH OF ALL UTILITIES WITHIN THE PROJECT AREA PRIOR TO CONSTRUCTION. NOTIFY ENGINEER OF DISCREPANCIES.						
	3. CONTRACTOR TO MAKE SURE THE REGIONAL STORMWATER POND IS IN PLACE BEFORE CONSTRUCTION CAN BEGIN.						
	4. PLACE ALL SILT FENCE AND INLET PROTECTION.						
	5. CONSTRUCT TRACKING STONE ENTRANCES AND ANY TEMPORARY CONSTRUCTION ROADWAYS AS NEEDED.						
	CONSTRUCT PERMANENT STORMWATER CONVEYANCE SYSTEMS.						
	7. CONSTRUCT TEMPORARY STORMWATER CONVEYANCE SYSTEMS AS NEEDED.						
	8. STABILIZE ALL TEMPORARY AND PERMANENT EROSION CONTROL AND STORMWATER CONVEYANCE SYSTEMS BEFORE TOPSOIL CAN BE STRIPPED.						
2. CONSTRUCTION	1. SITE DEMOLITION AS REQUIRED.						
ACTION	2. STRIP AND RELOCATE TOPSOIL TO THE DESIGNATED TOPSOIL STOCKPILE. LOCATION BY OWNER. FINAL LOCATION BY CONTRACTOR. PROVIDE PERIMETER SILT FENCE UNTIL						
	STABILIZED.						
	3. BEGIN MASS EARTH WORK FOR THE BUILDING PAD AND PAVEMENT AREAS.						
	4. CONSTRUCT ANY REMAINING STORMWATER CONVEYANCE SYSTEMS, AND INSTALL ALL OTHER UTILITIES ON SITE.						
	5. DIG AND POUR ALL BUILDING FOOTINGS.						
	6. TOPSOIL, SEED, AND MULCH ALL DISTURBED AREAS OUTSIDE THE BUILDING AND PROPOSED PAVEMENT AREAS.						
	7. CONSTRUCT BUILDING.						
	8. PAVE DRIVEWAYS AND PARKING AREAS.						
	9. TOPSOIL, SEED, AND MULCH ALL OTHER DISTURBED AREAS. PLACE EROSION MATTING AND RIP RAP.						
3. POST CONSTRUCTION	1. CONTRACTOR TO REMOVE TEMPORARY EROSION CONTROL MEASURES UPON SITE STABILIZATION.						
ACTION	2. SEE THE POST CONSTRUCTION MAINTENANCE PLAN FOR PERMANENT STORMWATER MANAGEMENT SYSTEMS.						

CONTRACTOR TO FOLLOW THE EROSION CONTROL SPECIFICATIONS FOR CONSTRUCTION EROSION CONTROL INSPECTION AND MAINTENANCE.





100 Camelot Drive Fond du Lac, WI 54935 920-926-9800 excelengineer.com

PROJECT INFORMATION

P - HAWAIIAN BROS - STR:

N - HAWAIIAN BROS - STR:123

PROFESSIONAL SEAL

| SHEET DATES | ISSUED FOR CONSTRUCTION | IFC | AUG. 27, 2025 | AD1 | OCT. 15, 2025 | AD2 | NOV. 17, 2025 | AD3 | NOV. 18, 2025 |

JOB NUMBER

SHEET NUMBER

C1.2B

SANITARY POPULATION EQUIVALENT (PE) CALCULATION:

- 1 PE = 100 GALLONS PER DAY
- HAWAIIAN BROS = 1522 GAL PER DAY= 15 PE FAST FOOD RESTAURANT (NO DRIVE THRU) = 0.45 PE per Seat GROCERY STORE= 1 PE PER 1,000 S.F.

PROPOSED HAWAIIAN BROS

PROPOSED LIQUOR STORE 4,057 SF x 1 PE / 1000SF= 4 PE

PROPOSED CRISP & GREEN

Total = 15 + 4 + 12 = 31 PE

TRAFFIC LIGHT POST -

N47°44'01"E 49.01

SANITARY MH— RIM=637.98 E 8" PVC=624.25 S 10" PVC=624.25

CURB INLET— RIM=635.94 SUMP=631.94

(POSSIBLE PIPE W)

5' DIAMETER VALVE —

16" X 6" TAPPING SLEEVE 🕂

PROVIDE CONNECTION TO

LOCAL STANDARDS.

10" EXISTING -

SANITARY MAIN

IE EX N/S/E=621.79

CURB INLET— RIM=631.16 S 12" CONC=627.05

BENCHMARK BURY TAG ON HYDRANT
ELEV=632.75
(NAVD 88)

40' RIGHT-IN/RIGHT-OUT
ACCESS TO WEBER ROAD PERMITTED
PER DOC. NO. R97-45180 & NO. R97-45181
PROPOSED SANITARY MH 3 (4' DIA) AT BLIND —

VERIFY INVERT, SIZE AND LOCATION.

CONNECTION. PRIOR TO CONSTRUCTION FIELD

16" EXISTING

WATER MAIN

EXISTING WATER MAIN PER

VAULT (SEE DETAIL)

ASPHALT

N01°24'27"W 217.33'—

LIGHTS

GNAL HANDHOLE

26 SEATS x 0.45 PE= 12 PE

JOINT RESTRAINT NOTES:

"L" LENGTH FOR JOINT RESTRAINING DEVICES MEANS THE LENGTH OF PIPE FROM FITTING, VALVE, OR FEATURE THAT NEEDS TO HAVE EACH PIPE JOINT WITHIN THAT LENGTH RESTRAINED. ALL JOINTS WITHIN THE CALCULATED "L" LENGTH MUST BE RESTRAINED. IF THE DISTANCE BETWEEN FITTINGS IS LESS THAN OR EQUAL TO THE CALCULATED RESTRAINT LENGTH, RESTRAIN ALL JOINTS BETWEEN THOSE FITTINGS. ALL JOINTS MUST BE RESTRAINED WITH MEGALUGS (EBAA IRON) ONLY, NO CONCRETE THRUST BLOCKS.

TRAFFIC SIGNAL VAULT

FL 4" CPP=633.20

BLOCK RETAINING WALL

TRAFFIC LIGHT POST

- ELECTRIC BOX

41' OF 12" RCP @ 0.67% (100YR-24HR=2.90 CFS)

IE E=626.82

IE S=626.82

PROPOSED SITE HYDRANT -

RCP C76 WITH C443 -

FOR STORM LINE

STORM PIPE B -

CÚŔB INLET 3 (4' DIA)

CONCRETE

IE N=625.94

IE E=625.94

- 55'X55' INGRESS & EGRESS EASEMENT PER DOC. NO. R98-094107

GRASS CONTROL CONTROL

TELEVISE EXISTING SANITARY LATERAL TO ENSURE IT IS IN GOOD CONDITION. REPLACE

IF IN POOR CONDITION.

131' OF 15" RCP @ 0.67%

(100YR-24HR=4.97 CFS)

EATCH BASIN 2 (4' DIA) —

CONCRETE LIGHT POLE BASE

6" PRIVATE

SERVICE VALVE

STORM MANHOLE NOTES:

FOR CLOSED LID STRUCTURES, FRAME AND COVER SHALL BE EAST JORDAN 1050Z1 EMBOSSED WITH "STORM" AND VILLAGE OF ROMEOVILLE

PRECAST VALVE VAULT NOTES:

N89°35'03"E 200.99'~

 MANHOLES MUST CONFORM TO THE LATEST REQUIREMENTS OF ASTM C478. NEVER TRANSPORT SECTIONS TO THE SITE UNTIL THEY HAVE CURED FOR AT LEAST TEN

INSTALLED IN THE PROPER LOCATION, AS SHOWN ON THE PLANS.

CONCRETE

- CURB INLET 1 (4' DIA)

- 10' OF 6" D.I. CL 52 FIRE HYDRANT SERVICE

GRADE AND PROVIDE CODE REQUIRED

SEPARATION DISTANCES.

FDC LOCATION

PROVIDE 5' MINIMUM COVER FROM FINAL

99' OF 6" D.I. CL 52 COMBINED DOMESTIC/FIRE

DISTANCES. FINAL SIZE/ DESIGN BY FIRE

PROTECTION DESIGNER.

IE EX\W=623.00 JE/NE=623.25

S89**°**35'03"W 233.74'^{_/}

— FO PLANTER FO FO FO

BUSHES -- BUSHES --

MANHOLE PER LOCAL STANDARDS (5' DIA).

REPLACE EXISTING STRUCTURE WITH MONITORING -

PROVIDE CONNECTION TO EXISTING LATERAL.

PROVIDE WATERPROOF, BOLT-DOWN FRAME AND LID.

5' MINIMUM COVER FROM FINAL GRADE AND PROVIDE CODE REQUIRED SEPARATION

WATER SERVICE WITH (2) 45° BENDS. PROVIDE 42' OF 6" PVC @ X%

CIVIL F.F.= 632.50

ARCH F.F.= 100'-0"

RIM=631.22 IE W≥627.09

- (10) DAYS. MARK EACH PIECE PLAINLY WITH MANHOLE NUMBERS AND DATE OF MANUFACTURE SO IT CAN BE
- MAKE SURE FACTORY-INSTALLED CUTOUTS IN THE BOTTOM SECTION ARE APPROPRIATE FOR THE PIPE BEING LAID.
- PIPE CONNECTIONS AT MANHOLE CUTOUTS SHOULD BE EQUIPPED WITH RUBBER BOOTS TO ENSURE A WATERTIGHT CONNECTION. MATERIAL SHALL BE EQUAL TO KOR-N-SEAL CONNECTOR, AS MANUFACTURED BY NPC, INC. JOINT SEALANT - FLEXIBLE RUBBER SEALANT FOR JOINTS IN PRE-CAST MANHOLE SECTIONS SHALL PROVIDE PERMANENTLY FLEXIBLE WATERTIGHT JOINTS, SHALL REMAIN

WORKABLE OVER A WIDE TEMPERATURE RANGE AND SHALL NOT SHRINK, HARDEN OR

MEET ASTM C 443 AND ASTM C 361 REQUIREMENTS. THE FRAME FOR THE LID SHALL BE INSTALLED WHEN CONE SECTION IS CAST. HEAT-SHRINKABLE ENCAPSULATION FOR EXTERNAL WRAPPING OF ALL JOINTS: WRAPID SEAL AS MANUFACTURED BY CANUSA CPS, BIDCO EXTERNAL JOINT WRAP AS MANUFACTURED BY NPC, OR APPROVED EQUAL.

QANITARY MH-

SANITARY PIPE A -

IE=626.45 —

IE=626.28 -

13' OF 4" PVC @ 2%

WITH (2) 45° BENDS

SANITARY PIPE B -

6"X 4" WYE ----

SANITARY PIPE D

JE=625.70

21' OF 4" PVC @ 2%

STORM PIPE D 35' OF 8" PVC @ 3.5%

XIE=626,82 SANITARY PIPE E -12' OF 4" PVC @ 2% WITH (2) 45° BENDS

IE=625.87 -

IE S=625.38

20' OF 4" PVC @ 2%

IE=625,50

71' OF 6" ÞVC @ 1% /

NE 12" CONC=622.91

(100YR-24HR=2.32 CFS)

PROPOSED GREASE INTERCEPTOR, SEE C3.2 FOR DETAIL AND SCHEDULE OF GI1.

IE=625.87 —

12' OF 4" PVC @ 2%

20' INGRESS/EGRESS & UTILITY EA: PER DOC. NO. R2021

N 10" STEEL=626.81 SE 8" PVC=625.14 W 8" PVC=625.02

OXIDIZE UPON AGING. MATERIAL SHALL BE EQUAL TO TYLOX SUPERSEAL AND SHALL

WHEN UTILITY STRUCTURE ADJUSTMENT IS NECESSARY, A MINIMUM OF TWO ADJUSTING RINGS (MIN 6" ADJUSTING HEIGHT) AND MAXIMUM OF THREE RINGS (MAX 10" ADJUSTING HEIGHT). NO 1" OR 2" CONCRETE RINGS ARE ALLOWED. UNDER PAVED AREAS, TOP RING SHOULD BE RUBBER. USE ONE (1) EJIW INFRA-RISER RUBBER COMPOSITE

SANITARY SEWER/ MANHOLE NOTES:

__ -636--- -- --

- PROPOSED GREASE INTERCEPTOR. SEE A

- ¢3.2 FOR DETAIL AND SCHEDULE OF GITT

- PROPOSED GAS METER

AND SERVICE LINE FINA

UTILITY CONTRACTOR.

LOCATION AND ROUTE BY

- SANITARY MH 1 (4' DIA

ANITARY PIPE H

6 OF 4" PVC @ 2%

4" X 4" WYE

IE=625.30

CURB INLET 4 (4 DIA)

SANITARY MHI 2 (4' DIA) RIM=631.00

CURB INLET
RIM=626.87
E=NOT VISIBLE
W 18" CONC=621.99

RIM=630.35 E N=625.59

E S=625.40

IE SW=623.96

E W=625.10

E N=624.89

STORM PIPE E 15" EXISTING 37' OF 12" RCP @ 1.25% VISIBLE (OFFSET)

STORM LINE (100YR-24HR=3.70 CFS)

WITH BMP SNOUT ON OUTLET; 18R

CATCH BASIN 5 (46DIA)

RIM=629.50

|| IE N=624.94

IEA44.35

IE EX E=624.16

SUMP=620.66

-652Z77- ~

IE N=626.19

7 10'X10' SIGNAGE EASEMENT PER DOC. NO. R97-45180 & NO. R97-45181 &

CURB INLET

E 12" CONC=631.17

- PROPOSED TRANSFORMER AND BUILDING

 \overrightarrow{r} : UTILITY CONTRACTOR, COORDINATE SERVICE

ROUTE TO TRANSFORMER WITH LOCAL UTILITY.

- PROPOSED LIGHT POLE (TYP.)(SEE C3.1

FOR FINAL LOCATION AND DETAIL)

SERVICE. FINAL ROUTE AND LOCATION BY

- ALL SANITARY MANHOLE CASTINGS, ADJUSTING RINGS AND MANHOLE SECTION SHALL BE SET IN BUTYL ROPE OR APPROVED EQUAL. EACH MANHOLE CONE AND BARREL SECTION JOINT SHALL ALSO BE EXTERNALLY SEALED WITH A 6" WIDE SEALING BAND OF RUBBER AND MASTIC. THE BAND SHALL HAVE AN OUTER LAYER OF RUBBER OR POLYETHYLENE WITH AN UNDER LAYER OF RUBBERIZED MASTIC MEETING THE REQUIREMENTS OF ASTM C-877-02 (STANDARD SPECIFICATION FOR EXTERNAL SEALING BANDS FOR CONCRETE PIPE MANHOLES, AND PRECAST BOX SECTIONS). PIPE CONNECTION TO NEW AND EXISTING MANHOLES THROUGH OPENINGS (CAST OR CORE-DRILLED) SHALL BE PROVIDED WITH A FLEXIBLE RUBBER WATERTIGHT CONNECTOR CONFORMING TO ASTM C-923 (STANDARD SPECIFICATIONS FOR RESILIENT CONNECTIONS BETWEEN REINFORCED CONCRETE
- MANHOLE STRUCTURES AND PIPES) SANITARY MANHOLE FRAME AND COVER SHALL BE EAST JORDAN 1050Z1 EMBOSSED WITH "SANITARY" AND VILLAGE OF ROMEOVILLE." ALL JOINTS NEED TO BE EXTERNALLY
- WRAPPED (MINIMUM 9" WIDTH) WITH MACWRAP "BUTYL WRAP (C877-TYPE 3)" OR EQUAL. RUBBER GASKETED BOOTS ARE REQUIRED FOR THE MAIN AT THE MANHOLE WALL EXTERNAL CHIMNEY SEALS ARE REQUIRED TO BE INSTALLED ON ALL NEW MANHOLES (AND EXISTING MANHOLES BEING ADJUSTED). THE ACCEPTABLE EXTERNAL CHIMNEY SEAL IS "INFI-SHIELD EXTERNAL UNI-BAND" BY SEALING SYSTEMS, INC. INSTALLATION SHALL BE DONE ACCORDING TO THE MANUFACTURER'S REQUIREMENTS
- INTERNAL CHIMNEY SEALS ARE REQUIRED TO BE INSTALLED ON ALL NEW MANHOLES (AND EXISTING MANHOLES BEING ADJUSTED). THE ACCEPTABLE INTERNAL CHIMNEY SEAL IS "FLEX-SEAL 2.0" BY SEALING SYSTEMS, INC. INSTALLATION SHALL BE DONE ACCORDING TO THE MANUFACTURER'S REQUIREMENTS

GENERAL NOTES

BACKFILL

- PLEASE BE CONSCIOUS OF DAMAGING THE PAINT ON THE HYDRANTS DURING INSTALLATION. THE VILLAGE OF ROMEOVILLE HAS FOUND THAT THE PAINT ON THE HYDRANTS CAN BE DAMAGED DURING BACKFILLING. IF REQUESTED BY THE VILLAGE OF ROMEOVILLE WATER SUPERINTENDENT, ANY HYDRANTS EXHIBITING EXCESSIVE ROCK DAMAGE WILL BE SAND BLASTED AND REPAINTED BY AN
- APPROVED CONTRACTOR PRIOR TO ACCEPTANCE. A MINIMUM OF 48 HOURS PRIOR TO ANY WATER USAGES (I.E. FLUSHES, FILLS, ETC.), THE CONTRACTOR MUST CALL THE VILLAGE OF ROMEOVILLE'S WATER DEPARTMENT AT 815-886-1870 TO GET APPROVAL OF SAID USAGE. ANY

ROMEOVILLE WATER DEPARTMENT FOR WRITTEN APPROVAL PRIOR TO ORDERING.

- UNAUTHORIZED USAGES WILL RESULT IN PENALTIES. ALL VALVES AND HYDRANTS SHALL BE SUBMITTED TO THE VILLAGE OF
- IE 15" STM=624.78 TOP 6" SAN=624.05 IE 6" SAN=623.55 C3: TOP 15" STM=627.90 IE 15" STM=626.65

UTILITY CROSSINGS:

C1: TOP 6" STM=626.58

C2: TOP 15" STM=626.03

IE 6" STM=626.08

IE 6" SAN=625.13

TOP 6" SAN=625.63



100 Camelot Drive

Fond du Lac, WI 54935 TOP 6" WTR=625.07 920-926-9800 IE 6" WTR=624.57 excelengineer.com

PROJECT INFORMATION

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PROPERLY COMPACTED GRANULAR TRENCH BACKFILL IS REQUIRED WHEN THE TRENCH IS WITHIN TWO FEET OF PAVEMENT OR CURB. MATERIAL SHALL MEET STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN ILLINOIS, CURRENT EDITION.

- LIMITS OF REQUIRED GRANULAR TRENCH **GENERAL NOTE:**

BACKFILL NOTE:

THE VILLAGE REQUIRES SUBMISSION OF RECORDED VIDEO INSPECTIONS FOR ALL PUBLIC STORM SEWERS.

TABLE A: ALLOWABLE PIPE MATERIAL SCHEDULE

Utility	Material	Pipe Code	Fitting Code	Joint Code
Combined Domestic/Fire Service	Ductile Iron-Class 52 (Certified to ANSI/NSF 61)	AWWA C115 & C151	AWWA C110 & C153	Mechanical Joints AWWA C111-Class 250 Cor-Blue T-Bolts (All joints to be trestrained with Megalugs)
Sanitary Sewer	SDR 26 PVC	ASTM D1785, ASTM D2665, ASTM D3034, ASTM F891	ASTM F1336	Push On: ASTM D3212 for Tightness Elastomeric Gasket: ASTM F477
Storm Sewer	RRCP-Class II	ASTM C14, ASTM C76, AASHTO M170		ASTM C443 Rubber Gasket
Storm Sewer	SDR 35 PVC	ASTM D1785, ASTM D2665, ASTM D3034, ASTM F891	ASTM F1336	Flexible Gasket O-Rigns per ASTM C361, ASTM C433, and ASTM C1619

- b. The chlorination contractor must call 815-886-1870 a minimum of 24-hours in
- advance to schedule chlorination. c. Only Village of Romeoville employees shall operate water system valves and turn
- on/off sampling whips while samples are being collected. d. All chlorination and safety equipment must meet or exceed the standards and
- monitor the cylinder and one to monitor in the field. g. The chlorination contractor must be bonded and insured, and have proof of both on
- h. The chlorination contractor must have updated 24-hour emergency phone numbers on file with the Village.
- Proof of insurance for hauling and handling chlorine gas
- Copy of Emergency Response Guidebook in vehicle
- Hazardous materials placard displayed on vehicle
- chlorination and flushing plan to the Village for review and written approval. 1. At any time, the Village or its authorized representative may ask for proof of any or all of the above information. Please contact the Village of Romeoville Public Works Department (815-886-1870) with any questions.

· · · · · · ·	Material	pe code	. ittiiig couc	Joint Code
Combined Domestic/Fire Service	Ductile Iron-Class 52 (Certified to ANSI/NSF 61)	AWWA C115 & C151	AWWA C110 & C153	Mechanical Joints AWWA C111-Class 250 Cor-Blue T-Bolts (All joints to trestrained with Megalugs)
Sanitary Sewer	SDR 26 PVC	ASTM D1785, ASTM D2665, ASTM D3034, ASTM F891	ASTM F1336	Push On: ASTM D3212 for Tightness Elastomeric Gasket: ASTM F4
Storm Sewer	RRCP-Class II	ASTM C14, ASTM C76, AASHTO M170		ASTM C443 Rubber Gasket
Storm Sewer	SDR 35 PVC	ASTM D1785, ASTM D2665, ASTM D3034, ASTM F891	ASTM F1336	Flexible Gasket O-Rigns per ASTM C361, ASTM C433, and ASTM C1619

Village of Romeoville - Minimum chlorination standards: a. Gas chlorine must be used for disinfection.

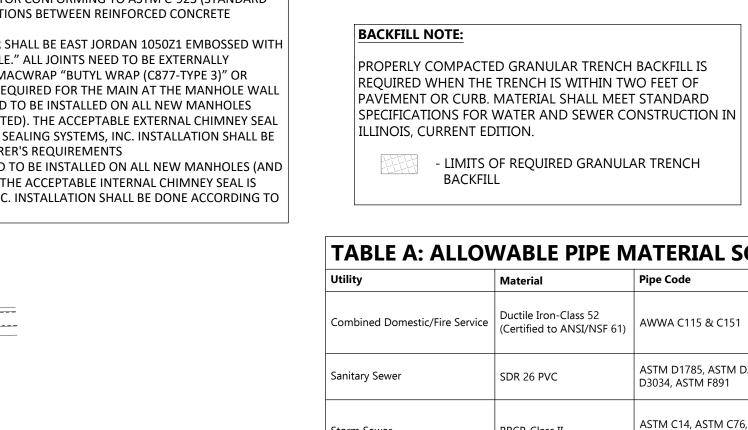
- recommendations set by The Chlorine Institute, Inc. e. The chlorinator must be a licensed plumber or certified Illinois water operator with a minimum of 5 years experience working with chlorine disinfection of water
- f. The chlorination contractor must have two people present to chlorinate. One to
- file with the Village.
- i. The chlorination contractor must comply with state and federal regulations regarding transportation and handling of chlorine cylinders:
 - Shipping and emergency papers for every job location • Commercial driver's license with Hazmat endorsement and medical card
 - Hazmat certificate of registration
 - Cylinder strapped upright in truck
- j. Under no circumstances will chlorine contractors be allowed to apply heat to the chlorine cylinder (i.e. hot baths, propane torches, etc.). While the cylinder is being used it must be in a vertical position, as well as being affixed to a solid object.
- k. Prior to chlorination, the chlorination contractor must provide a detailed written

PROFESSIONAL SEAL

SHEET DAT	ΓES
ISSUED FO	OR CONSTRUCTION
IFC	AUG. 27, 202
AD1	OCT. 15, 202

NOV. 18, 2025

AD3



W 12" CONC=630.59



PROJECT INFORMATION

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PROFESSIONAL SEAL

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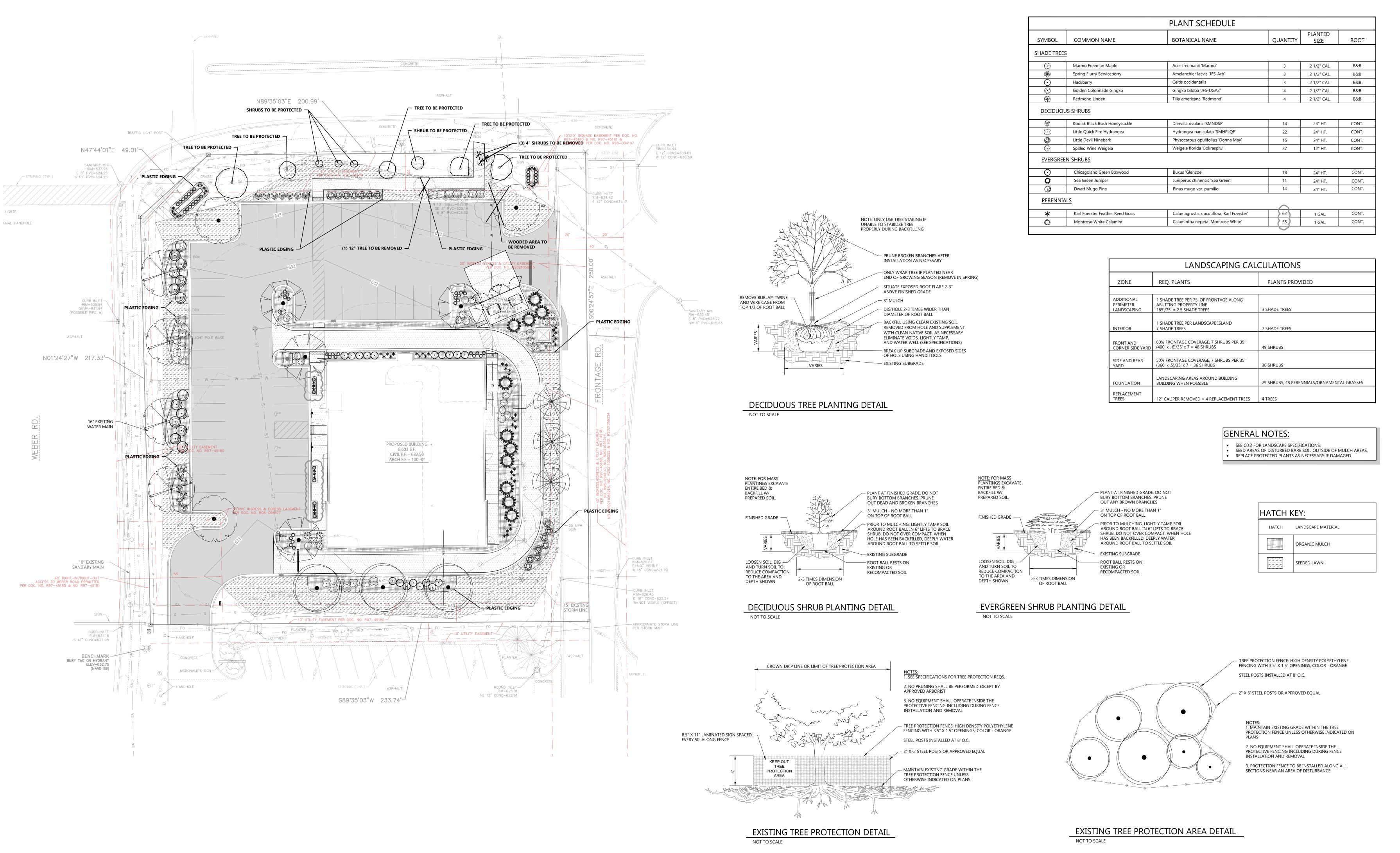
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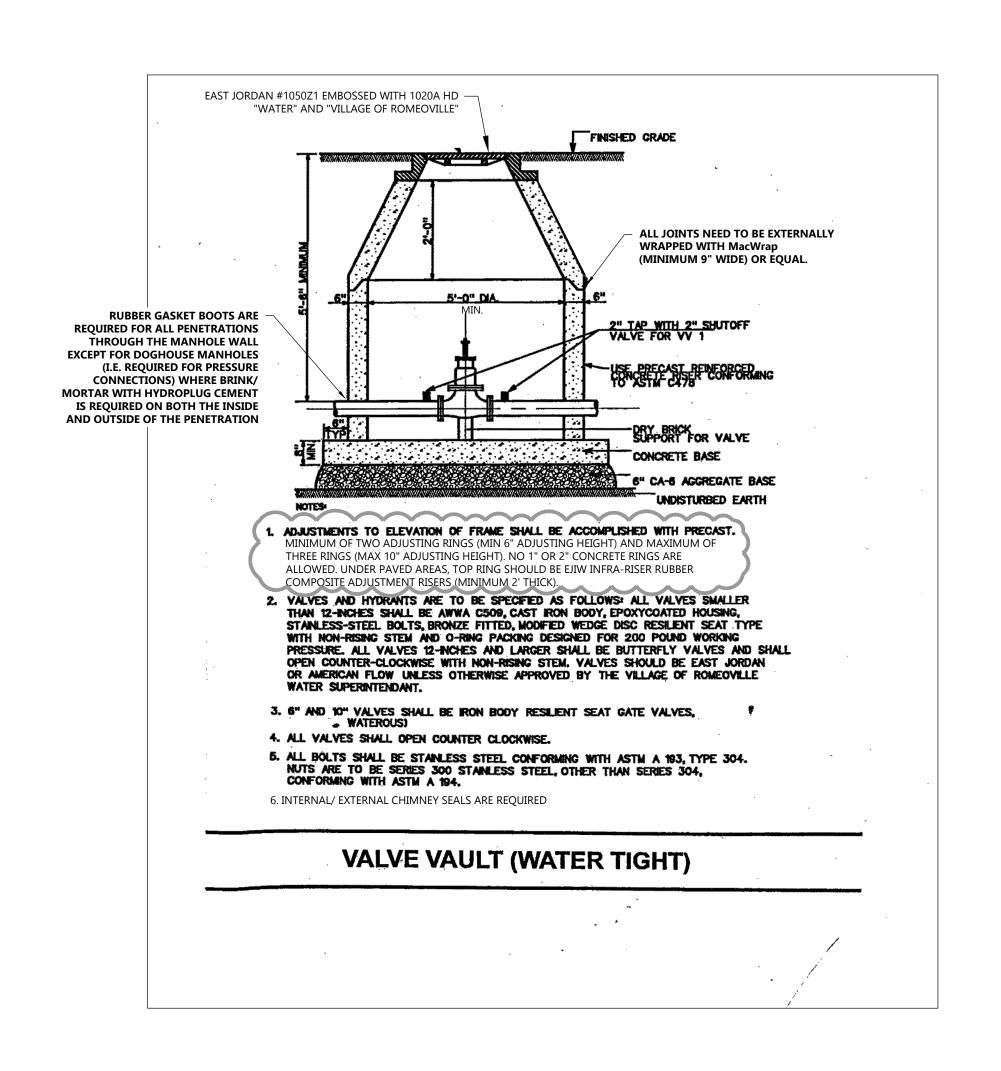
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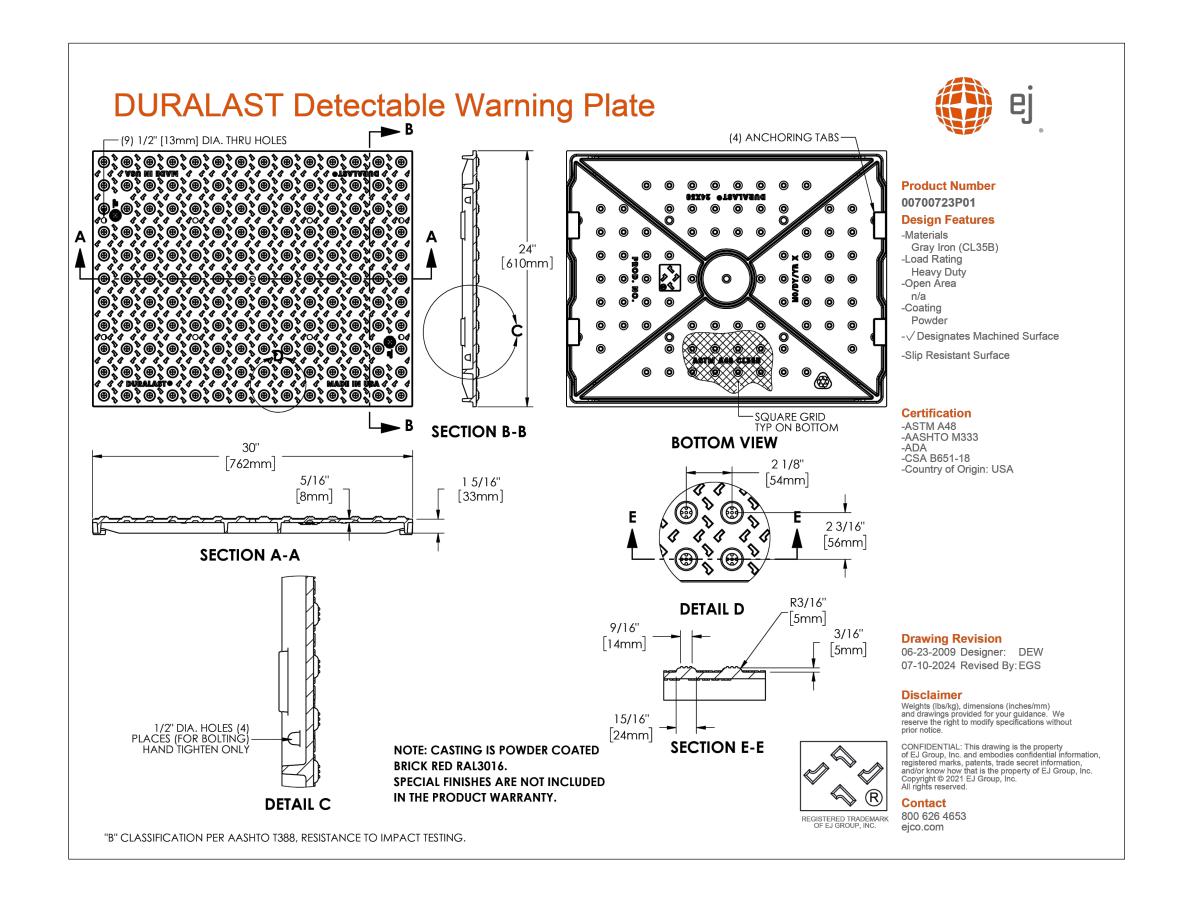
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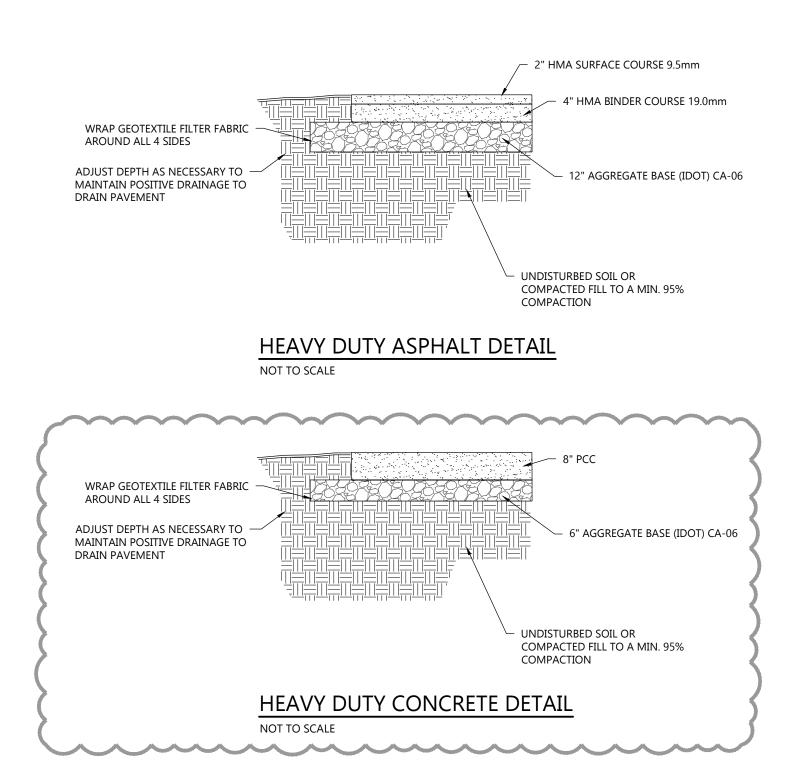
CIVIL LANDSCAPE AND RESTORATION PLAN

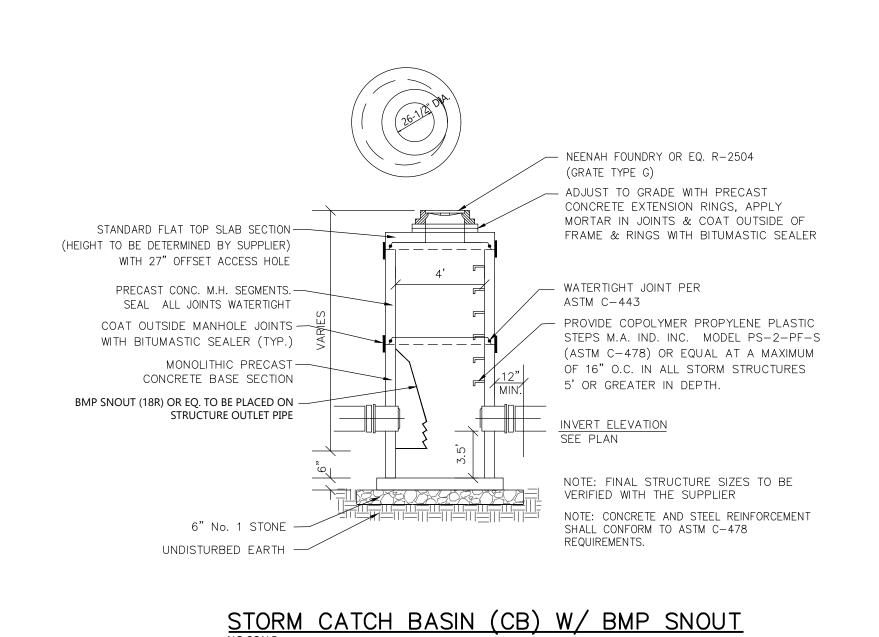
SHEET NUMBER

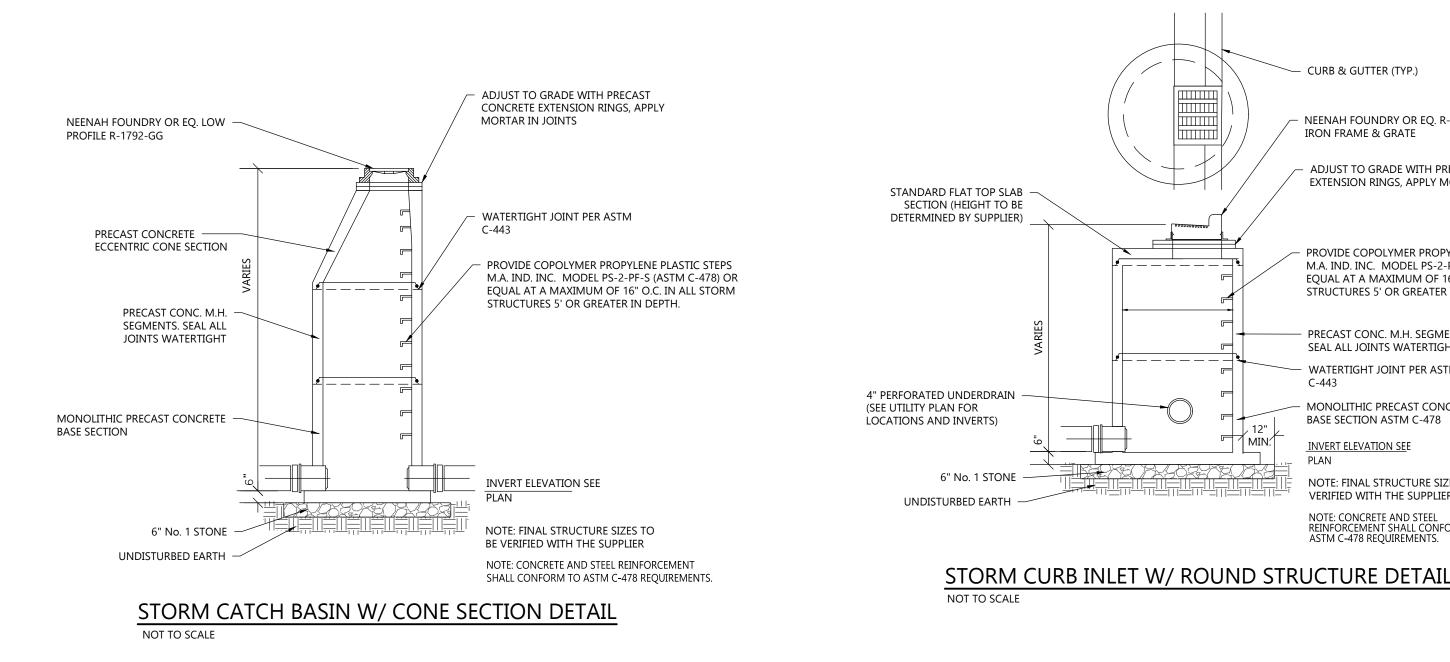












6'-0"

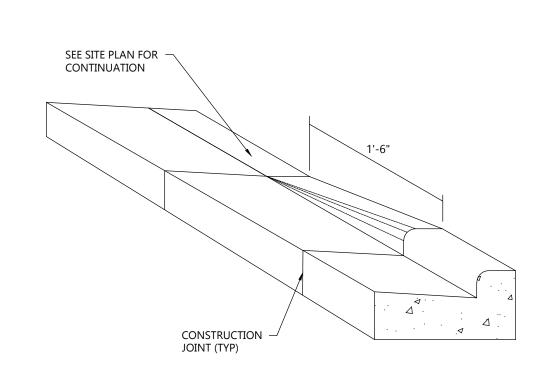
STOOP/SIDEWALK

− #4's T&B

─ 5" CONC. RAMP R/F W/ #4's
T&B

- 4" AGGREGATE BASE

- PAVEMENT



RAISED WALK DETAIL

BUILDING FELT -

(IF APPLICABLE)

6" CONC. WALK -

1.5% SLOPE MAX.

AGGREGATE BASE

BUILDING AT 1.5% MAX.

NOTE: SLOPE SLAB AWAY FROM

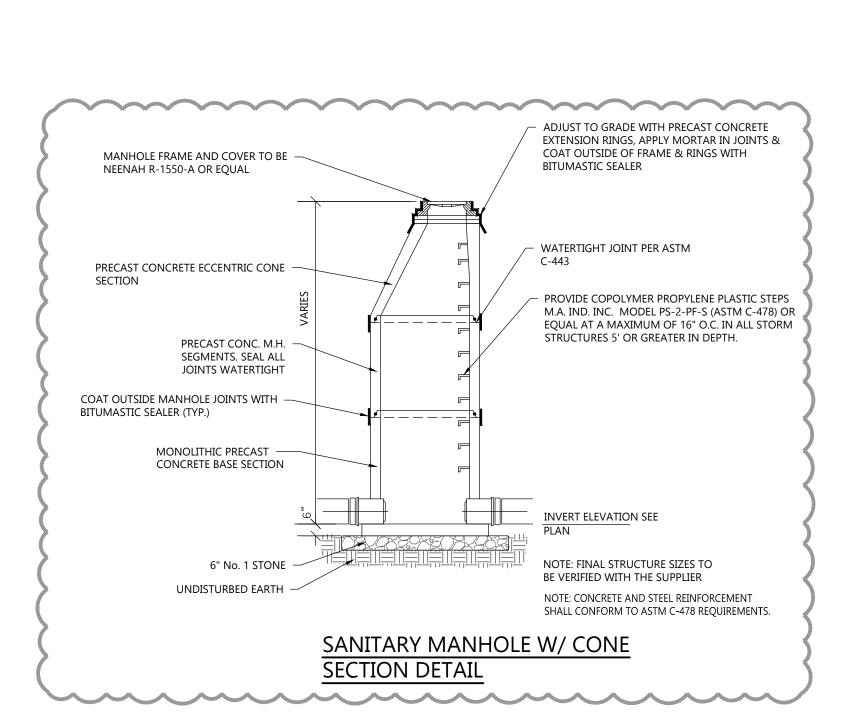
- #4's T&B

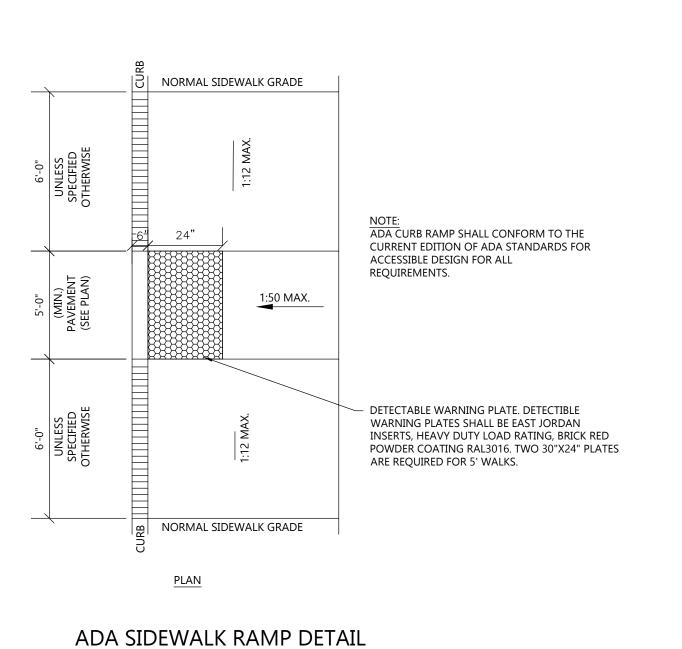
CURB TAPER DETAIL

XXX.XX BW

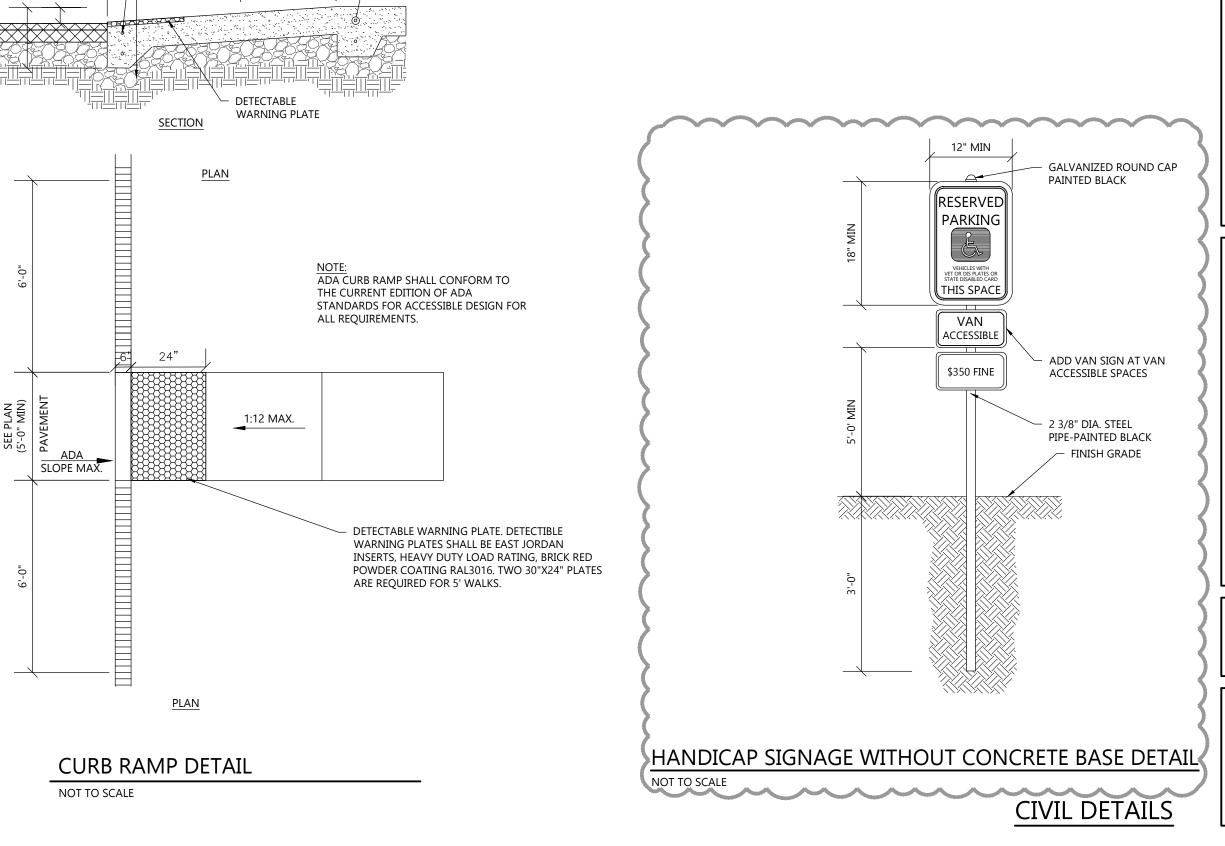
NOT TO SCALE

PAVEMENT ¬





NOT TO SCALE





PROJECT INFORMATION

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CURB & GUTTER (TYP.)

IRON FRAME & GRATE

NEENAH FOUNDRY OR EQ. R-3067 CAST

ADJUST TO GRADE WITH PRECAST CONCRETE EXTENSION RINGS, APPLY MORTAR IN JOINTS

PROVIDE COPOLYMER PROPYLENE PLASTIC STEPS

EQUAL AT A MAXIMUM OF 16" O.C. IN ALL STORM

STRUCTURES 5' OR GREATER IN DEPTH.

PRECAST CONC. M.H. SEGMENTS

SEAL ALL JOINTS WATERTIGHT

WATERTIGHT JOINT PER ASTM

BASE SECTION ASTM C-478

INVERT ELEVATION SEE

MONOLITHIC PRECAST CONCRETE

NOTE: FINAL STRUCTURE SIZES TO BE

NOTE: CONCRETE AND STEEL REINFORCEMENT SHALL CONFORM TO ASTM C-478 REQUIREMENTS.

VERIFIED WITH THE SUPPLIER

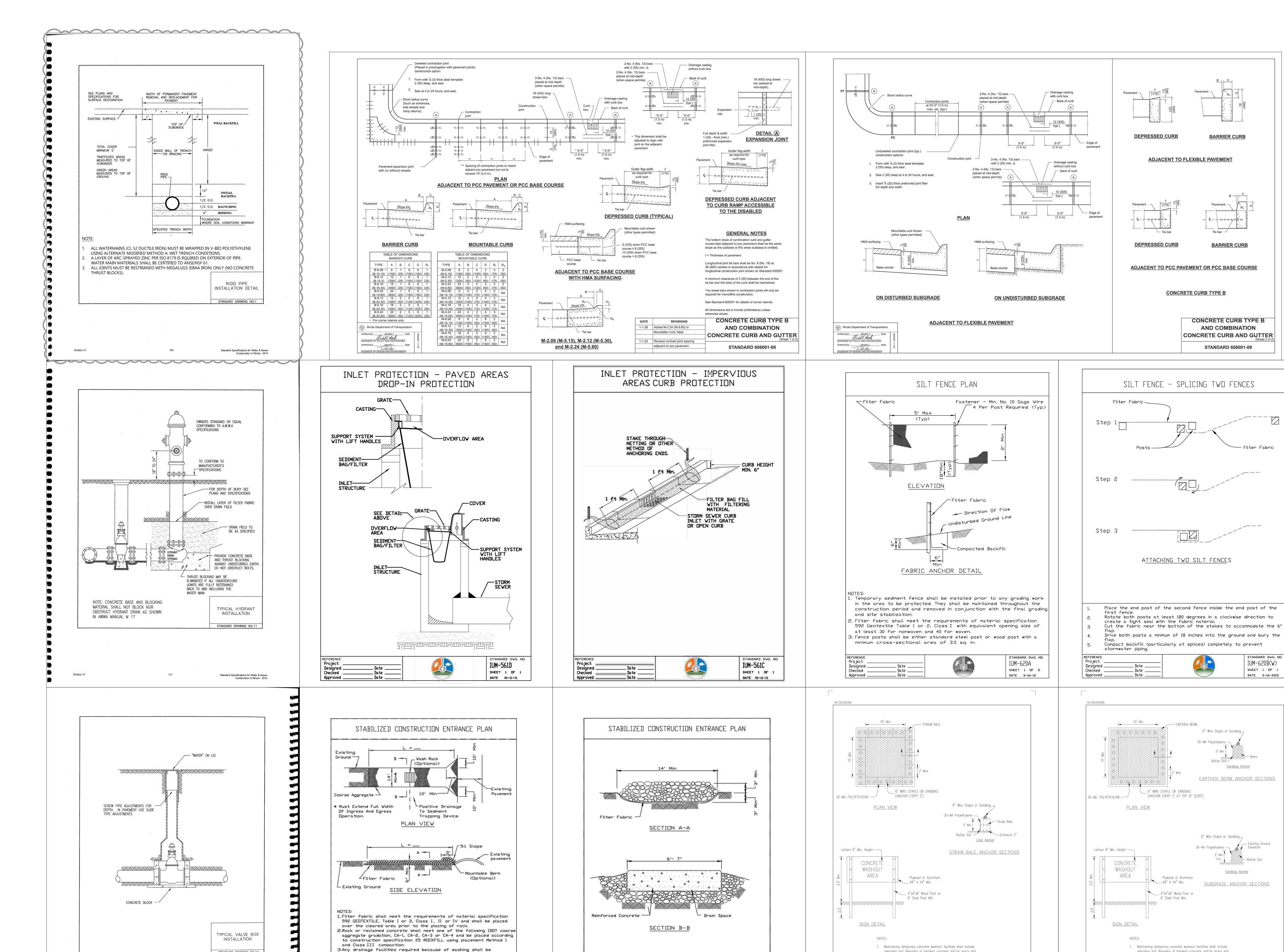
M.A. IND. INC. MODEL PS-2-PF-S (ASTM C-478) OR

PROFESSIONAL SEAL

SHEET DATES ISSUED FOR CONSTRUCTION AUG. 27, 2025 OCT. 15, 2025 AD2 NOV. 17, 2025

JOB NUMBER 250145300

SHEET NUMBER



STANDARD DRAWING NO.14

Standard Specifications for Water & Sewer Construction in Illinois - 2014

Division VI

constructed according to manufacturers specifications.

manufacturer's specifications.

4.If wash racks are used they shall be installed according to the

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SHEET DATES ISSUED FOR CONSTRUCTION AUG. 27, 2025 AD1 OCT. 15, 2025 AD2 NOV. 17, 2025

JOB NUMBER 250145300

SHEET NUMBER

Drawn B. JOHNSON 6/08

removing and disposing of hardend concrete and/or slurry and

TEMPORARY CONCRETE

WASHOUT FACILITY — EARTHEN TYPE Checked_____

returning the facilities to a functional condition.

washout becomes two-thirds full.

2. Facility shall be cleaned or reconstructed in a new area once

removing and disposing of hardend concrete and/or slurry and

TEMPORARY CONCRETE

Drawn B. JOHNSON 6/08

2. Facility shall be cleaned or reconstructed in a new area once

3. Each straw bale is to be staked in place using (2) 2"x2"x4'

returning the faciliities to a functional condition.

washout becomes two-thirds full.

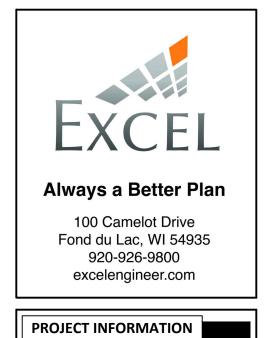
wooden stakes.

STANDARD DWG. NO.

IUM-620B(W)

SHEET 1 OF 1

DATE 3-16-2012



3

FOR: **5** - **6**0, BUILDING F

N BRO

MEOVILLE,

PROFESSIONAL SEAL

PROPOSED

U

SHEET DATES ISSUED FOR CONSTRUCTION NOV. 17, 2025

JOB NUMBER 250145300

CIVIL DETAILS

SHEET NUMBER

5BR250 WaterMaster®Fire Hydrant ej ej 5BR250 Hydrant 6' PE 1 1/2" Pent 2AD 1-355 5" Storz Pumper 2-4 2 1/2" NST Hoses 6" Valve OL Red Product: 55954DA **GENERAL** Product Type: 5BR250 WaterMaster®Fire Hydrant Design Features

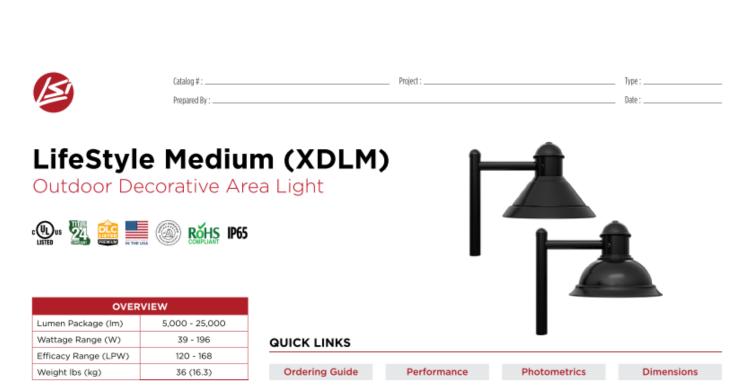
1. RATED WORKING PRESSURE = 250 PSI. Specialty Series: Classic Series: BR250 2. MEETS ANSI/AWWA C502. CHARACTERISTICS Color: CAT NO. PARTS LIST Bonnet Type: C Dome - 3 way (1 pumper 2 hose) OPERATING NUT
HOLD DOWN NUT
WEATHER SEAL "O' RING
TOP BONNET
THRUST WASHER
OPERATING STEM TOP 21 1/2"
HOSE NOZZLE "O' RING "
HOSE NOZZLE "O' RING "
HOSE NOZZLE "O' RING "
HOSE NOZZLE "O' RING
STORZ NOZZLE "O' RING
STORZ NOZZLE "O' RING
STORZ NOZZLE RO' RING
STORZ NOZZLE AND RESSURE SEAL
STORZ NOZZLE CAP
" PUMPER NOZZLE CAP
STORZ NOZZLE RING
" BRASS COLLAR"
RESERVOIR "O' RING
"OLAD" SEAL RING
"OLAD" SEAL RING
TOP BONNET BOLTS & NUTS
DRIVE-LOC PIN
THAFFIC STANDIPIPE UPPER
SAFETY FLG BOLTS & NUTS Hose Nozzle Quantity: 4 - 2 1/2" National Standard C Dome Hose Nozzle Thread: Pumper Nozzle Quantity: Pumper Nozzle Thread: 355 - 5" Harrington Storz C & X Dome 1 1/2" Pentagon Point to Flat (B) Operating Nut Size: Open left (counter-clockwise) Opening Direction: Hydrant Depth of Bury: Inlet Connection: Plain End with Gland 2 Auto Drains End Connection: Mech Joint Auxiliary Valve Required Drawing Revision
Designer: PFB 8/26/13
Revised By:

Disclaimer

Weights (lbs/kg) dimensions (inches/mm)
and drawings provided for your guidance. We
reserve the right to modify specifications without
prior notice.

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ejco.com 800 626 4653 Copyright © 2025 EJ Group, Inc. All rights reserved.



Minimum CRI of 70.

(347-480 VAC).

(-40°F to +104°F).

Power factor: >.90

FCC standards.

Integral louver (IL) option available for

sacrifice to street side performance.

High-performance driver features

and over temperature protection.

L80 Calculated Life: >100k Hours.

Input power stays constant over life.

Field replaceable 10kV surge protection

operation (per ANSI/IEEE C62.41.2).

Driver is fully encased in potting material

Optional integral passive infrared

device meets a minimum Category C Low

High-efficacy LEDs mounted to metal-core

circuit board to maximize heat dissipation

for moisture resistance and complies with

Bluetooth™ motion and photocell sensor.

Fixtures operate independently and can

be commissioned via iOS or Android

Total harmonic distortion: <20%

0-10V dimming (10% - 100%) standard.

Standard Universal Voltage (120-277 VAC)

Input 50/60 Hz or optional High Voltage

FEATURES & SPECIFICATIONS

Construction Rugged die-cast aluminum crown. · Wiring emerges from crown through compression seal fitting to prevent water entry. One-piece silicone gasket seals crown to shade for water- and dust-tight construction. Spun aluminum shade with two shade

styles available: A - Angle and B - Bell. · Brackets are extruded and cast aluminum assemblies or fabrications. All decorative elements are die cast or extruded aluminum. Fixtures are finished with LSI's DuraGrip* polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or

peeling. Other standard LSI finishes

sheet delivers industry leading optical

control with an integrated gasket to

 Shipping weight in carton - 36 lbs (16.3 kg). **Optical System** State-of-the-Art one piece silicone optic

available. Consult factory.

provide IP65 rated seal. · Proprietary silicone refractor optics provide exceptional coverage and uniformity in distribution types 2, 3, 5W Silicone optical material does not yellow or crack with age and provides a typical light

transmittance of 93%. Zero uplight. Available in 5000K, 4000K, and 3000K color temperatures per ANSI C78.377.

Specifications are subject to change without notice. LSI Industries Inc. 10000 Alliance Rd. Cincinnati, OH 45242 • (513) 372-3200 • www.lsicorp.com

©ISI Industries Inc. All Rights Reserved. Specifications and dimensions subject to industry standard tolerances. Specifications subject to thange without notice.

 Classic Hook (CH) and Side Arm available. improved backlight control with minimal See Steel Round Pole and Aluminum Round Pole data sheets for pole selection Classic hook mount requires a 4" O.D. pole overvoltage, under-voltage, short-circuit Side Arm pole mount utilizes LSI's

> traditional B3 drill pattern. LSI luminaires carry a 5-year limited warranty. Refer to https://www.lsicorp. warranty/ for more information.

 Operating temperature: -40°C to +40°C Listed to UL 1598 and UL 8750. · Meets Buy American Act requirements. Title 24 Compliant; see local ordinance for

qualification information. Suitable for wet locations. IP65 rated Luminaire per IEC 60598-1. · Patented Silicone Optics (US Patent NO. 10,816,165 B2). · DarkSky approved; with 3000K CCT or warmer color temperature selection.

· DesignLights Consortium* (DLC) qualified

product. Not all versions of this product

Page 1/7 Rev. 06/09/25 SPEC.1167.A.0625

may be DLC qualified. Please check the DLC Qualified Products List at www. designlights.org/QPL to confirm which versions are qualified.Please check the DLC Qualified Products List at www. designlights.org/QPL to confirm which versions are qualified.

Depth (D2): Height: Width: (without options)

WDGE2 LED	Catalog Number
Architectural Wall Sconce Visual Comfort Optic	Notes
BAA	Type Hit the Tab key or mouse over the page to see all interactive elements.
	Introduction The WDGE LED family is designed to meet specifier's every wall-mounted lighting need in a widely accepted shape that blends with any

Specifications Depth (D1): 11.5"

architecture. The clean rectilinear design comes in four sizes with lumen packages ranging from 1,200 to 25,000 lumens, providing a true site-wide solution. Embedded with nLight® AIR wireless controls, the WDGE family provides additional energy savings and code compliance. WDGE2 delivers up to 6,000 lumens with a soft, non-pixelated light source, creating a visually comfortable environment. When combined with multiple integrated emergency battery backup options, including an 18W cold temperature option, the WDGE2 becomes the ideal wall-mounted lighting solution for pedestrian scale applications in

	Luminaire Optics Standard EM, 0°C		Cold EM, -20°C		Approximate Lumens (4000K, 80CRI) Sensor						
	optics	Standard EM, U C	Cold EM, -20 C		P0	P1	P2	P3	P4	P5	P6
WDGE1 LED	Visual Comfort	4W			750	1,200	2,000				
WDGE2 LED	Visual Comfort	10W	18W	Standalone / nLight		1,200	2,000	3,000	4,500	6,000	
WDGE2 LED	Precision Refractive	10W	18W	Standalone / nLight	700	1,200	2,000	3,200	4,200		
WDGE3 LED	Precision Refractive	15W	18W	Standalone / nLight	6,000	7,500	8,500	10,000	12,000		
WDGE4 LED	Precision Refractive			Standalone / nLight		12,000	16,000	18,000	20,000	22,000	25,000

WDGE2	LED P11 P1SW P21 P2SW P31 P3SW P41 Door with small window (SW) is required to accommodate sensors. P51 See page 2 for more details.	27K 2700F 30K 3000F 35K 3500F 40K 4000F 50K ² 5000F	K 90CRI	VF	Visual comfort forward throw Visual comfort wide	MVOLT 347 ³ 480 ³	Shipp SRM ICW	ed included Surface mounting bracket Indirect Canopy/Celling Washer bracket (dry/damp locations only)?	Shipped AWS PBBW	S urface-mour	ectural wall spacer nted back box (top, left, entry). Use when there box available.
Options										Finish	
E4WH	Emergency battery backup, Certified in CA Title 20 (4W, 0°C min)		Standalone Sen		ls (only available with			eights. Intended for use on swi	tched	DDBXD	Dark bronze Black
E10WH	Emergency battery backup, Certified in CA Title 20 M.				h external dusk to d			eignes. Intellucu for use on swi	ocirca.	DNAXD	Natural aluminum
	(10W, 5°C min)		PIRH					heights. Intended for use on sw	vitched	DWHXD	White
E20WC	Emergency battery backup, Certified in CA Title 20 M. (18W, -20°C min)	1	DIDATECNIA		h external dusk to da	-				DSSXD	Sandstone
PE4	Photocell, Button Type		PIR1FC3V		(U/35%) motion sens dawn operation.	or tor 8-15' mo	ounting ne	ights with photocell pre-progra	mmea	DDBTXD	Textured dark bronze
DS ⁵	Dual switching (comes with 2 drivers and 2 light en page 3 for details)	gines; see	PIRH1FC3V	Bi-level (10	,	or for 15-30′ m	nounting h	eights with photocell pre-progr	ammed	DBLBXD	Textured black Textured natural
DMG*	0-10V dimming wires pulled outside fixture (for use	with an	Networked Sens	ors/Control	s (only available with F	15W, P25W & P3	3SW)				aluminum
	external control, ordered separately)		NLTAIR2 PIR	nLightAIRV	Vireless enabled bi-le	wel motion/am	nbient sen	sor for 8-15' mounting heights.		DWHGXD	Textured white
BCE	Bottom conduit entry for back box (PBBW). Total of 4 of	entry points.	NLTAIR2 PIRH	nLightAIRV	Wreless enabled bi-le	vel motion/am	nbient sen	sor for 15–30' mounting heights.		DSSTXD	Textured sandstone
BAA	Buy America(n) Act Compliant		NLTAIR2 PIR924	nLIGHT AIR	Wireless enabled, UL	924 Listed mot	tion/amb	ient sensor for 8-15' mounting h	eights8		
DSLE	Dual Switching (1 Driver, 2 Light Engines)		NLTAIR2 PIRH924	nLIGHT AIR	Wireless enabled, UL	924 Listed mot	tion/amb	ient sensor for 15'-30' mounting	heights8		
										I	

COMMERCIAL OUTDOOR

One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (7378) • www.lithonia.com

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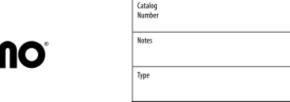
WDGE2 LED

Rev. 11/16/23

See page 4 for out of box functionality

Contractor Select™

4" & 6" Flat LED Downlight





Featuring a smooth matte white finish, the 4" and 6" flat series of wafers offer both adjustable CCT and lumen output. This combination allows you to create the perfect look for your space with low/medium/high lumen outputs and a choice of 2700K, 3000k, 3500K, 4000K, 5000K CCT.

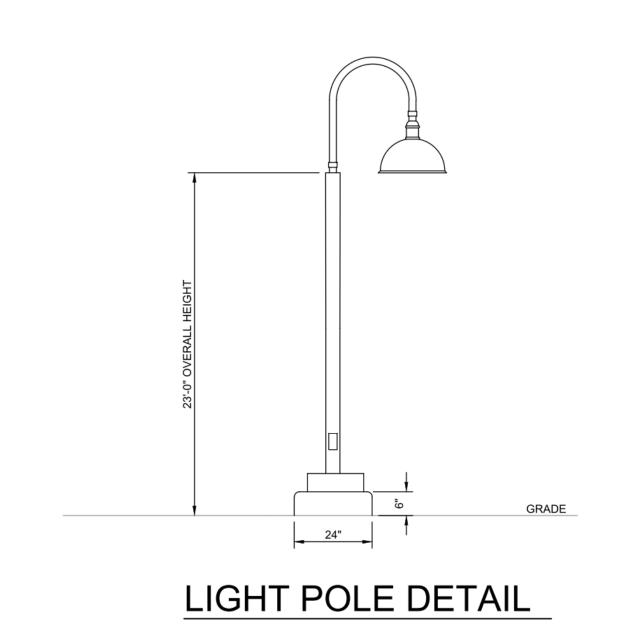
 Low, Medium, and High lumen settings means you can mount these wafers at almost any ceiling height within a home.

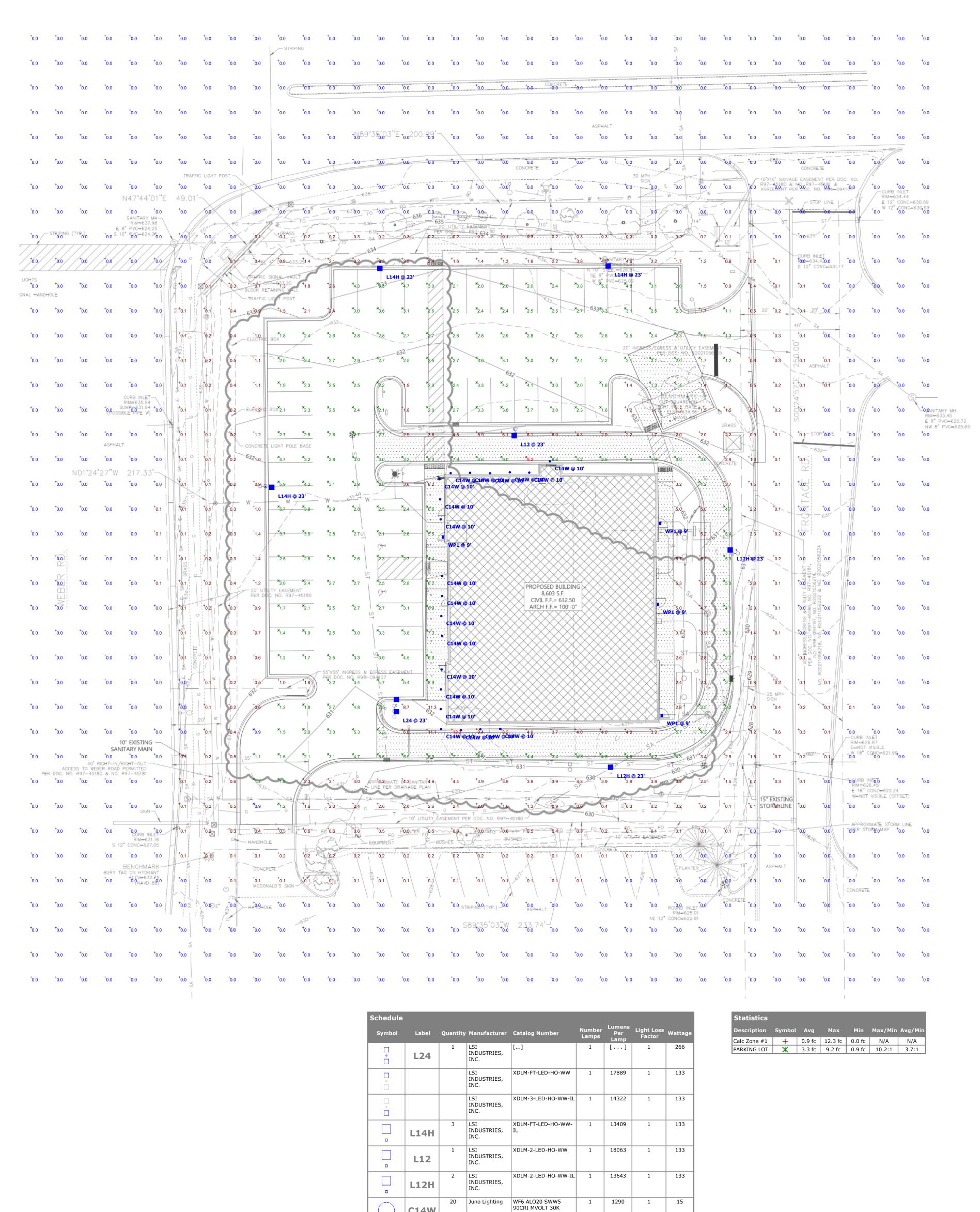
 Standard wet location listing means our wafers can be mounted in bathrooms and covered outdoor spaces. With no can needed to install, time of installation is significantly lower than with traditional downlights.

(LED)	EMERGY STAR	24 PART 6	CO US	WET LOCATION"	(🖊)
2700K 3000K 3 4000K 5000	3500K 200	witchable Lumens		O: ARLOC NO	M

Catalog Number	UPC	Description	Replaces Up To	Lumens	Input Watts	сст	CRI	Voltage	Finish	Dimming Protocol	Pallet qty.
WF4 ALO19 SWWS 90CRI MW M6	00197589041057	4" Wafer-Thin LED Downlight	65W Incandescent	700/900/1100	14.5W	2700K/3000K/3500K/ 4000K/5000k	90	120V	Matte White	Triac	540
WF4 ALO19 SWW5 90CRI CP6 MW M2	00197589041064	4" Wafer-Thin LED Downlight, Contractor Pack of 6	65W Incandescent	700/900/1100	14.5W	2700K/3000K/3500K/ 4000K/5000k	90	120V	Matte White	Triac	144
WF6 ALOZO SWWS 90CRI MW M6	00197589041194	6" Wafer-Thin LED Downlight	75W Incandescent	800/1050/1300	16W	2700K/3000K/3500K/ 4000K/5000k	90	120V	Matte White	Triac	360
WF6 ALO20 SWW5 90CRI CP6 MW M2	00197589041248	6" Wafer-Thin LED Downlight, Contractor Pack of 6	75W Incandescent	800/1050/1300	16W	2700K/3000K/3500K/ 4000K/5000k	90	120V	Matte White	Triac	100

CONTRACTOR SELECT WF4_WF6 ALO SWW5





C14W

4 Lithonia Lighting

WDGE2 LED P2 30K

80CRI T4M

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PROJECT INFORMATION

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PROFESSIONAL SEAL

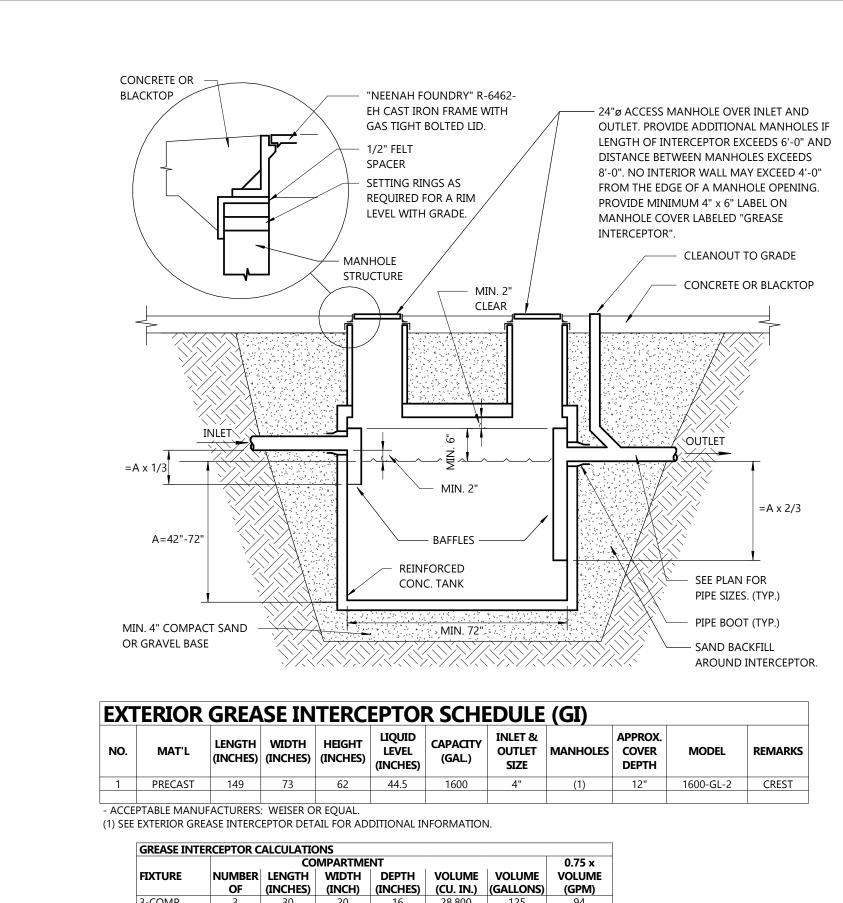
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SHEET DATES ISSUED FOR CONSTRUCTION AUG. 27, 2025 OCT. 15, 2025 NOV. 17, 2025

JOB NUMBER 250145300

CIVIL SITE PHOTOMETRIC PLAN & DETAILS



PREP 1 20
HAND WASH 3 15.5
PRE WASH 1 20

MINIMUM GREASE HOLDING CAPACITY
HOLDING CAPACITY OF SINKS

SERVICE SINK 1 24
TOTAL (MINIMUM FLOW RATE)

ANT BUILDING FOR:
AN BROS - STR: 123
ROMEOVILLE, IL 60446

Always a Better Plan

100 Camelot Drive

Fond du Lac, WI 54935

920-926-9800

excelengineer.com

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SHEET DATES ISSUED FOR CONSTRUCTION				
AD1	OCT. 15, 202			

250145300

C3.2