

ARBY'S PLAZA

CIVIL ENGINEERING PLANS 470-474 S WEBER ROAD WEBER ROAD AND ROMEOVILLE CROSSING ENTRY ROMEOVILLE, ILLINOIS

MUNICIPAL/AGENCY APPROVAL STAMP

CHARLES VINCENT
GEORGE ARCHITECTS
1245 E. DIEHL ROAD, SUITE 101
NAPERVILLE, IL 60563



ARBY'S PLAZA
470-474 S WEBER ROAD
ROMEOVILLE, ILLINOIS

COVER SHEET

BY	REVISION DESCRIPTION	DATE	NO.
NCL	PER VILLAGE REVIEW	12/18/2020	1
NCL	PER VILLAGE REVIEW	01/22/2021	2
</			

DESIGNED BY: NCL
REVIEWED BY: WHP
DATE: 11/11/2020
PRJ#: 5232-300-32-01

OFFICE LOCATION:
WEAVER CONSULTANTS GROUP
1316 BOND STREET, SUITE 108
NAPERVILLE, ILLINOIS 60563
(630) 717-4848
wcgrp.com

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SHEET #:
C-1

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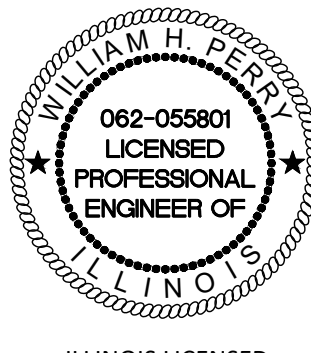
SURVEY INFORMATION:

TOPOGRAPHIC SURVEY
SURVEY DATE: 10/09/2020
SURVEY NUMBER: 5232-300-09-01
DATUM:
NAVD88-GEOD 18
SOURCE BENCHMARK 1:
SOUTHWEST BOLT ON HYDRANT LOCATED APPROXIMATELY 490 FEET
EAST OF THE CENTERLINE OF WEBER ROAD AND APPROXIMATELY 795
FEET SOUTH OF THE CENTERLINE OF AIRPORT ROAD.
RECORD ELEVATION: 647.70 MEASURED ELEVATION: 647.44
SOURCE BENCHMARK 2:
SOUTHWEST BOLT ON HYDRANT LOCATED APPROXIMATELY 1,005 FEET
EAST OF THE CENTERLINE OF WEBER ROAD AND APPROXIMATELY 795
FEET SOUTH OF THE CENTERLINE OF AIRPORT ROAD.
RECORD ELEVATION: 651.77 MEASURED ELEVATION: 651.57
SITE BENCHMARK 1:
CROSS CUT ON TOP OF SOUTH CURB OF ACCESS ROAD FROM WEBER
AT THE SOUTHWEST CORNER OF THE INTERSECTION, ±124 FEET WEST
OF CENTERLINE OF WEBER ROAD.
ELEVATION: 645.63
SITE BENCHMARK 2:
CROSS CUT ON TOP OF EAST CURB OF LOOP ROAD OPPOSITE HYDRANT
NEAR NORTHWEST CORNER OF SITE.
ELEVATION: 641.22
**NOTE: CONTRACTOR(S) TO VERIFY THEY HAVE THE
CURRENT PLAN SET PRIOR TO CONSTRUCTION.**

Call **811** or Click Before you Dig.
It's a Free Service

DRAINAGE CERTIFICATE

STATE OF ILLINOIS)
COUNTY OF WILL) SS



ILLINOIS LICENSED
PROFESSIONAL ENGINEER
NO. 062-055801
LICENSE EXPIRES:
NOVEMBER 30, 2021

I, WILLIAM H. PERRY, 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.

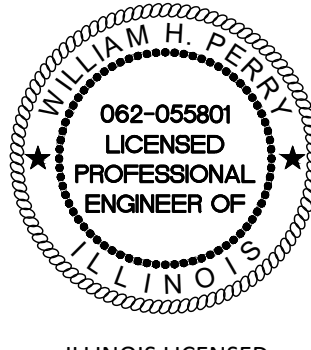
WILLIAM H. PERRY, PE 01/22/2021
DATE

PROJECT PHASE

- ☐ ISSUED FOR CLIENT REVIEW - PRELIMINARY
☒ ISSUED FOR PERMIT REVIEW/ APPROVAL
☐ ISSUED FOR BID
☐ ISSUED FOR CONSTRUCTION

CIVIL ENGINEER'S CERTIFICATE

STATE OF ILLINOIS)
COUNTY OF WILL) SS

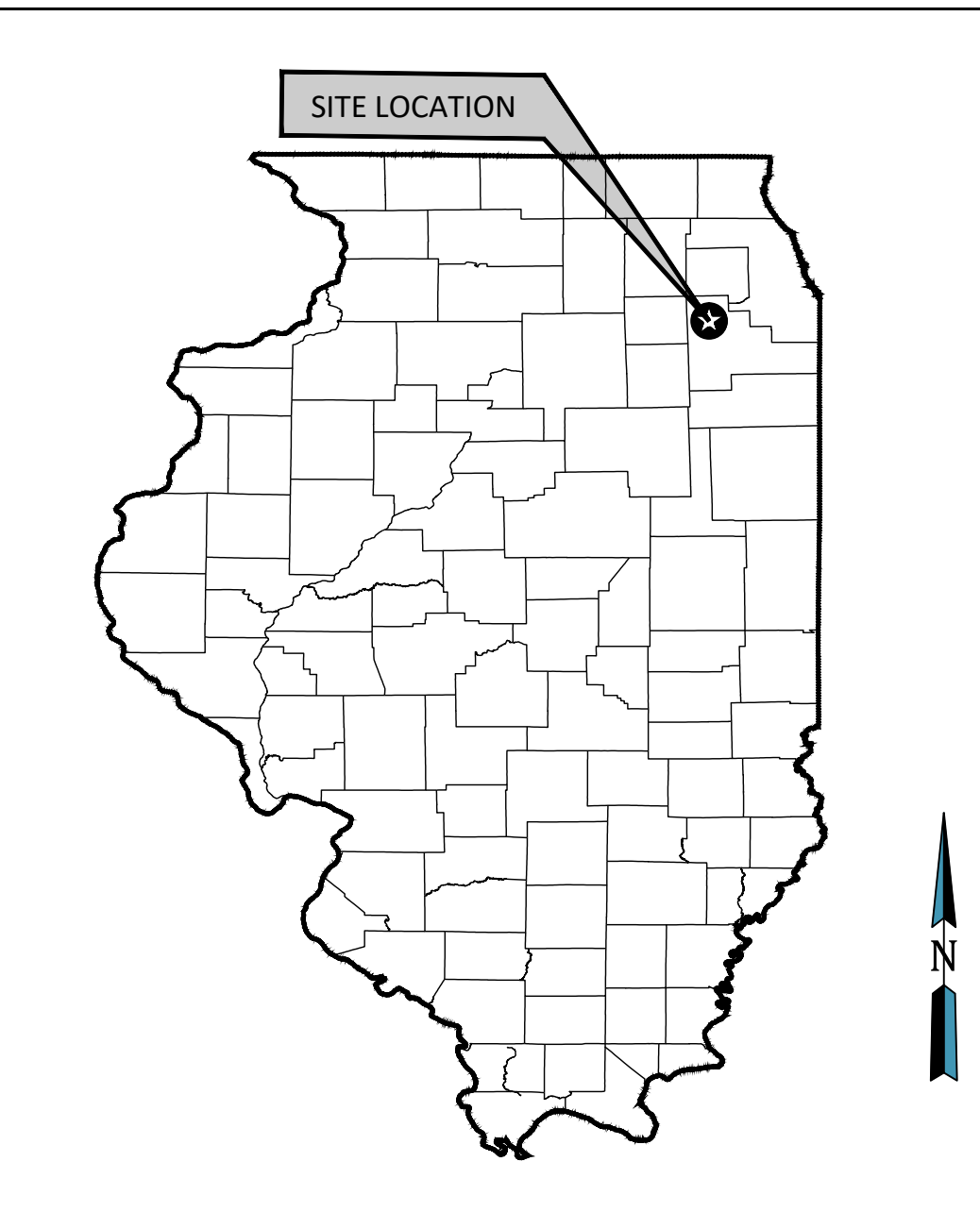


ILLINOIS LICENSED
PROFESSIONAL ENGINEER
NO. 062-055801
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NOVEMBER 30, 2021

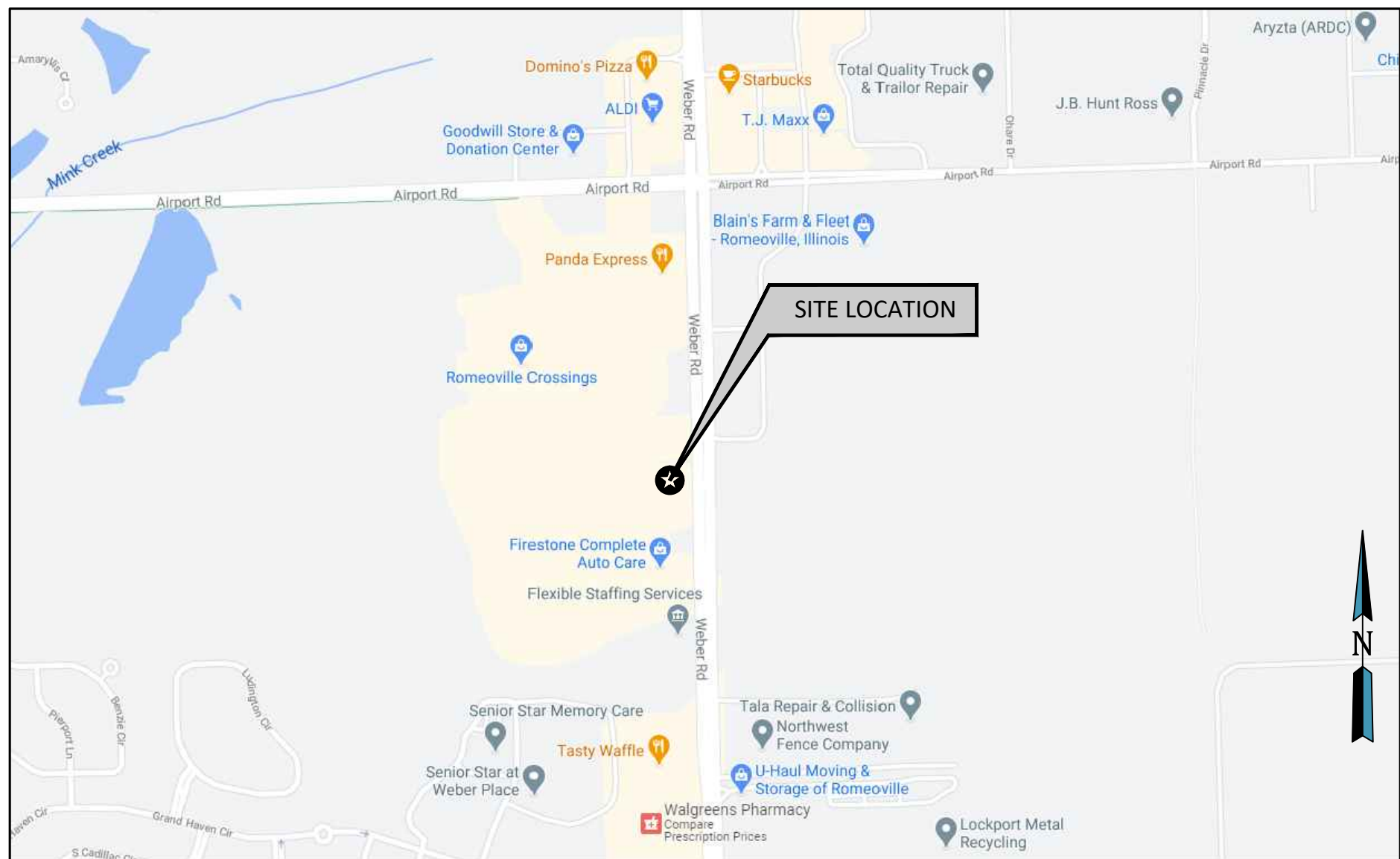
I, WILLIAM H. PERRY, A LICENSED PROFESSIONAL
ENGINEER IN ILLINOIS, HEREBY CERTIFY THAT THESE
CIVIL ENGINEERING PLANS, AS LISTED IN THE INDEX,
THAT ARE PREFIXED WITH LETTER "C", HAVE BEEN
PREPARED BY WEAVER CONSULTANTS GROUP UNDER
MY PERSONAL DIRECTION.

WILLIAM H. PERRY, PE 01/22/2021
DATE

SHEET #:
C-1



STATE OF ILLINOIS - WILL COUNTY
NOT TO SCALE



SITE LOCATION KEY
NOT TO SCALE

DESIGN TEAM CONTACT INFORMATION

PROJECT ARCHITECT
CHARLES VINCENT GEORGE ARCHITECTS
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NAPERVILLE, IL 60563
(630) 357-2023



LAND SURVEYOR
WEAVER CONSULTANTS GROUP
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CIVIL ENGINEER
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(630) 717-4848
DESIGN FIRM#: 184004465



LANDSCAPE ARCHITECT
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1316 BOND STREET, SUITE 108
NAPERVILLE, ILLINOIS 60563
(630) 717-4848



CITY & UTILITY CONTACT INFORMATION

VILLAGE OF ROMEOVILLE
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STANDARDS AND SPECIFICATIONS: ALL APPLICABLE REQUIREMENTS OF THE ORDINANCE OF AUTHORITIES HAVING JURISDICTION (INCLUDING BUT NOT LIMITED TO THE STATE AND MUNICIPALITY) SHALL GOVERN THIS WORK.

2. RECORD DRAWINGS: THE DEVELOPER (ENGINEER) IS WEAVOR CONSULTANTS GROUP, NORTH CENTRAL, LLC (WEAVOR). WEAVOR'S REPRESENTATIVES MAY OBSERVE THE CONSTRUCTION AND COMMUNICATE WITH THE CONTRACTOR.

3. EXAMINATION OF THE SITE: PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THAT ALL DIMENSIONS AND CONDITIONS AFFECTING THE CONSTRUCTION OF THE PROJECT ARE ACCURATE. IF THE CONTRACTOR DISCOVERS ANY DISCREPANCIES, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER. THE CONTRACTOR MUST VERIFY THE ENGINEER'S LINE AND GRADES. IF THERE ARE ANY DISCREPANCIES FROM WHAT IS SHOWN ON THE CONSTRUCTION PLANS, THE CONTRACTOR SHALL SECURE WRITTEN INSTRUCTION FROM THE ENGINEER PRIOR TO PROCEEDING WITH ANY PART OF THE WORK AFFECTED BY OMISSION OR DISCREPANCIES. FAILING TO SECURE SUCH INSTRUCTIONS, THE CONTRACTOR WILL BE CONSIDERED TO HAVE PROCEEDED AT HIS OWN RISK AND EXPENSE.

4. CURRENT SET OF PLANS: THE CONTRACTOR SHALL VERIFY THAT THEY ARE WORKING WITH THE CURRENT SET OF PLANS AND SHALL HAVE ONE (1) SIGNED COPY OF THE PLANS AND A COPY OF ANY PERMITS AND EXTENSION AGREEMENTS AT THE JOB SITE AT ALL TIMES. THE CONTRACTOR SHALL ONLY BUILD FROM THE SET OF PLANS LABELED "ISSUED FOR CONSTRUCTION."

5. INDEMNIFICATION: THE CONTRACTOR SHALL INDEMNIFY THE ENGINEER OF RECORD, THE ARCHITECT OF RECORD, THE OWNER AND THE OWNER'S AGENTS, THE MUNICIPALITY AND ALL OTHER AGENCIES FROM ALL LIABILITY INVOLVED WITH THE CONSTRUCTION, INSTALLATION, AND TESTING OF THE WORK ON THIS PROJECT.

6. TOPOGRAPHY SURVEY: TOPOGRAPHIC INFORMATION SHOWN ON THE PLANS PROVIDED FOR INFORMATIONAL PURPOSES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT THE INFORMATION SHOWN IS CORRECT AND SHALL NOTIFY THE ENGINEER IMMEDIATELY OR ANY ERRORS, DISCREPANCIES OR OMISSIONS TO THE SURVEY INSTRUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE RESULT OF NOT CONFIRMING THE ACTUAL SURFACE SHALL BE BORNE BY THE CONTRACTOR.

7. UNDERGROUND UTILITIES: THE LOCATION OF EXISTING UTILITIES IS APPROXIMATE. THE ENGINEER AND OWNER ASSUME NO RESPONSIBILITY WHATSOEVER IN RESPECT TO THE SUFFICIENCY OR ACCURACY OF THE INFORMATION SHOWN ON THE PLANS RELATIVE TO THE LOCATION OF EXISTING UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT UTILITIES ARE CORRECTLY LOCATED. IF THE CONTRACTOR DISCOVERS ANY UTILITIES THAT ARE TO BE REMOVED OR ADJUSTED, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES. THE CONTRACTOR SHALL ALSO OBTAIN FROM THE RESPECTIVE UTILITY COMPANIES, DETAILED INFORMATION RELATIVE TO THE LOCATION OF THEIR FACILITIES AND THE WORKING SCHEDULES OF THE UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS TO EXCAVATE AND/OR REMOVE UTILITIES.

8. SUBSURFACE INVESTIGATION: SUBSURFACE EXPLORATION TO ASCERTAIN THE NATURE OF SOILS, INCLUDING THE AMOUNT OF ROCK, IF ANY, IS THE RESPONSIBILITY OF THE CONTRACTOR. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE SUCH SUBSURFACE INVESTIGATIONS AS DEEMED NECESSARY TO DETERMINE THE NATURE OF SOILS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS TO BE PERFORMED BY THE GEOTECHNICAL ENGINEER OF RECORD ON THE PROJECT AND IS PROVIDED FOR INFORMATIONAL PURPOSES. THE DEVELOPER AND ENGINEER DISCLAIM ANY RESPONSIBILITY FOR THE ACCURACY, TRUE LOCATION AND EXTENT OF THE SOILS INFORMATION THAT HAS BEEN PREPARED BY OTHERS. THEY FURTHER DISCLAIM ANY LIABILITY TO THE CONTRACTOR FOR ANY DAMAGE TO THE PROJECT OR TO THE SOILS PROJECTING SOIL BEARING VALUES, ROCK PROFILES, SOILS STABILITY AND THE PRESENCE, LEVEL AND EXTENT OF UNDERGROUND WATER.

9. PERMITS AND LICENSES: THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL APPLICABLE PERMITS AND LICENSES AS REQUIRED BY STATE AND LOCAL AGENCIES. PRIOR TO THE START OF THE PROJECT, THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FROM THE APPLICABLE AGENCIES. THE CONTRACTOR SHALL FURNISH DUPLICATE COPIES OF SUCH PERMITS TO THE DEVELOPER AND ENGINEER BEFORE THE WORK COVERED THEREBY IS STARTED. NO WORK WILL BE ALLOWED TO PROCEED BEFORE SUCH PERMITS ARE OBTAINED.

10. BONDS: PERFORMANCE, PAYMENT AND MAINTENANCE BONDS MAY BE REQUIRED FROM THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY BONDS SHALL BE IN THE FORM AND IN THE AMOUNTS AS REQUIRED BY THE GOVERNING AGENCIES.

11. SAFETY: WARNING DEVICES TO INFORM AND PROTECT THE PUBLIC DURING ALL PHASES OF CONSTRUCTION ARE REQUIRED. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS FOR THE SAFETY OF THE EMPLOYEES ON THE PROJECT AND SHALL COMPLY WITH ALL APPLICABLE PROVISIONS OF FEDERAL, STATE, AND MUNICIPAL SAFETY LAWS AND BUILDING CODES. CONTRACTOR SHALL ERECT AND PROPERLY MAINTAIN, AT ALL TIMES, AS REQUIRED BY THE CONDITIONS AND PROGRESS OF THE WORK, ALL NECESSARY SAFEGUARDS FOR PROTECTION OF WORKMEN AND THE PUBLIC AND SHALL STOP DANGER OF THE PUBLIC.

12. NOTIFICATIONS: A MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY ALL AGENCIES HAVING JURISDICTION OVER THE PROJECT, THE ENGINEER OF RECORD AND THE LOCAL UNDERGROUND LOCATE COMPANY FOR STAKING THE LOCATION OF EXISTING UNDERGROUND UTILITIES.

13. INSPECTION: THE PROPOSED CONSTRUCTION WILL BE PROVIDED BY THE GOVERNING AUTHORITIES AND/OR THE DEVELOPER OR ASSIGNED AGENTS. THE CONTRACTOR SHALL PROVIDE ASSISTANCE BY PROVIDING EXCAVATION, TRENCH SAFETY, OR OTHER WORK NECESSARY TO FACILITATE INSPECTION ACTIVITIES, AND SHALL GIVE SUFFICIENT NOTICE WELL IN ADVANCE OF PENDING CONSTRUCTION ACTIVITIES TO THE GOVERNING AUTHORITIES AND/OR ASSIGNED AGENTS. THE CONTRACTOR SHALL PROVIDE SERVICES. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DETERMINATION OF ANY REQUIRED INSPECTIONS, THE SCHEDULING AND CONTROL OF INSPECTIONS AND THE ACCEPTANCE OF ALL PUBLIC AND/OR PRIVATE UTILITIES BY THE APPROPRIATE GOVERNING AUTHORITY PRIOR TO TRENCH BACKFILLING.

14. SHOW DRAWINGS: PROPOSED CONSTRUCTION MATERIALS SHALL BE SUBMITTED TO THE ENGINEER AND ENGINEER FOR APPROVAL. IN ADVANCE OF MOBILIZATION, ANY DEVIATION FROM THE APPROVED CONSTRUCTION MATERIALS LIST MUST BE APPROVED BY THE ENGINEER IN WRITING.

15. CONSTRUCTION DEBRIS: IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE FROM THE SITE ANY AND ALL MATERIALS AND DEBRIS WHICH RESULT FROM THE CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL HAVE NO ADDITIONAL RESPONSE TO OWNER, WHENEVER, DURING CONSTRUCTION OPERATIONS, ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW OF GUTTERS, DRAINAGE STRUCTURES, DITCHES, ETC. SUCH THAT THE NATURAL FLOW LINE OF WATER IS OBSTRUCTED. AT THE LOOSE MATERIAL WILL BE REMOVED AT THE END OF EACH WORKING DAY. THE CONSUMPTION OF CONSTRUCTION OPERATIONS, ALL WASTE MATERIALS SHALL BE REMOVED FROM THE SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF DIRT AND DEBRIS. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

16. SITE DRAINAGE: DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL ENSURE POSITIVE SITE DRAINAGE AT THE CONCLUSION OF EACH DAY. ALL DRAINAGE MAY BE USED FOR DITCHES OR DRAINAGE STRUCTURES. THE CONTRACTOR SHALL TAKE THE NECESSARY MEASURES TO PREVENT THE CONSTRUCTION OPERATIONS FROM CAUSING DAMAGE TO THE ENGINEER.

17. DISPOSITION AND DISPOSAL OF EXCESS MATERIALS: ALL MATERIALS TO BE REMOVED FROM THE SITE, INCLUDING, BUT NOT LIMITED TO EXCESS MATERIALS AND UNSUITABLE MATERIALS SUCH AS CONCRETE, ASPHALT, LARGE ROCKS, REFUSE AND OTHER DEBRIS, SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE PROJECT AT THE CONTRACTOR'S EXPENSE. DISPOSAL OF EXCESS MATERIAL SHALL BE IN STRICT ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL RULES AND REGULATIONS.

18. CONSTRUCTION STAKING: ALL SURVEYING REQUIRED FOR CONSTRUCTION STAKING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE DEVELOPER SHALL PROVIDE CONSTRUCTION CORNER MARKERS AND BENCHMARKS FOR USE AS STATIONING AND VERTICAL DATUM. THE CONTRACTOR SHALL EMPLOY A REGISTERED PROFESSIONAL LAND SURVEYOR TO PERFORM ALL ADDITIONAL SURVEY, LAYOUT AND MEASUREMENT WORK NECESSARY FOR THE COMPLETION OF THE PROJECT. THE CONTRACTOR SHALL VERIFY THE SITE BENCHMARKS' ELEVATION SHOWN ON THE PLANS AND REPORT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONSTRUCTION TRAILS SHALL COORDINATE THROUGH THE GENERAL CONTRACTOR USING THE SAME BENCHMARKS FOR VERTICAL CONTROL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH THE REMOVAL, REPLACEMENT AND REDESIGN OF ANY IMPROVEMENTS CONSTRUCTED PRIOR TO CHECKING HORIZONTAL/VERTICAL CONTROL AND PLAN DIMENSIONS AND NOTIFICATION OF ANY DISCREPANCIES TO THE OWNER AND ENGINEER. ALL INSTRUMENTS ARE TO BE PROPERLY CALIBRATED PRIOR TO USE.

19. PROPERTY CORNERS: THE CONTRACTOR SHALL PROTECT ALL PROPERTY CORNER MARKERS AND BENCHMARKS, AND WHEN ANY SUCH MARKERS OR MONUMENTS ARE IN DANGER OF BEING DISTURBED, THEY SHALL BE PROPERLY REFERENCED AND IF DISTURBED SHALL BE RESET BY A REGISTERED PUBLIC SURVEYOR AT THE EXPENSE OF THE CONTRACTOR.

20. RECORD DRAWINGS: THE CONTRACTOR IS RESPONSIBLE TO PROVIDE TO THE ENGINEER OF RECORD AND THE OWNER RECORD DRAWINGS, PREPARED BY A LICENSED LAND SURVEYOR, OF ALL SITE IMPROVEMENTS. THESE RECORD DRAWINGS SHALL INCLUDE ALL DEVIATION FROM THE DESIGN TO THE CONSTRUCTION OF THE PROJECT, INCLUDING THE GRADING PLAN AND ALL AS-CONSTRUCTED GRADES INCLUDING RIMS, INVERTS AND PIPE SLOPES ON THE UTILITY PLAN. CONTRACTOR IS ALSO RESPONSIBLE TO MAKE ANY CORRECTIONS AS DETERMINED NECESSARY BY THE ENGINEER, OWNER AND/OR MUNICIPALITY AND UPDATE THE RECORD DRAWINGS ACCORDINGLY.

21. FINAL APPROVAL: THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONDITIONS OF THE EROSION CONTROL SPECIFICATIONS. ALL SOIL SHALL BE STABILIZED PRIOR TO ISSUANCE OF FINAL APPROVAL. SEE LANDSCAPE PLAN FOR DETAILS.

- STANDARDS AND SPECIFICATIONS:** THE CURRENT EDITION OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" SHALL GOVERN THIS WORK.
- PAVING CONDITIONS:** THE BITUMINOUS MATERIALS SHALL ONLY BE LAID ON A SUB-BASE WHICH IS DRY AND FIRM. THE WEATHER CONDITIONS ARE SUITABLE. THE BITUMINOUS BINDER COURSE SHALL BE PLACED ONLY WHEN THE TEMPERATURE IN THE SHADE IS AT LEAST 45 DEGREES F, WHEN THE TEMPERATURE IN THE SHADE FOR THE PREVIOUS 24 HOURS IS AT LEAST 32 DEGREES F AND WHEN RISING TEMPERATURES ARE FORECAST. THE SURFACE COURSE SHALL BE PLACED ONLY WHEN THE TEMPERATURE IN THE SHADE IS AT LEAST 50 DEGREES F, WHEN THE TEMPERATURE IN THE SHADE FOR THE PREVIOUS 24 HOURS IS AT LEAST 40 DEGREES F, AND WHEN RISING TEMPERATURES ARE FORECAST. ANY PAVEMENT ACTIVITY SHOULD BE STOPPED IN THE EVENT OF RAIN, RE-PAVING, OR TEMPERATURES FALLING BELOW 40 DEGREES F.
- SUB-GRADE PREPARATIONS:** IN ACCORDANCE WITH THE GOVERNING AUTHORITIES' SPECIFICATIONS AND THE GEOTECHNICAL REPORT, THE SUB-GRADE SHALL BE PROPEL-ROLLED WITH HEAVY PNEUMATIC EQUIPMENT AND ANY SOFT OR PUMPING AREAS SHALL BE EXCAVATED TO FIRM SUB-GRADE AND BACKFILLED AND RE-COMPACTED. PAVEMENT SUB-GRADE SHALL NOT BE ALLOWED TO RETAIN WATER. WET MATERIAL SHALL BE REMOVED TO DRY.
- INSPECTIONS:** PAVEMENT SUB-BASE, BASE AND SURFACE MUST EACH BE INSPECTED BY THE GEOTECHNICAL ENGINEER PRIOR TO THE NEXT PHASE OF WORK. PROOF OF ROLLING AND NUCLEAR DENSITY TESTS WILL BE UTILIZED IF REQUESTED BY THE OWNER.
- CONCRETE TESTING:** CONTRACTOR SHALL EMPLOY AN INDEPENDENT TESTING ENGINEER TO VERIFY THE SLUMP, AIR ENTRAINMENT AND PROVIDE (3) CYLINDER SAMPLES FOR EACH DAYS POUR, OR 50 CY. OF CONCRETE WHICHEVER OCCURS MORE OFTEN. COPIES OF ALL TEST RESULTS SHALL BE FORWARDED TO THE OWNER'S REPRESENTATIVE FOR APPROVAL.
- JOINT SEALANT:** JOINT SEALANT SHALL BE A GRAY ELASTOMERIC SILICONE OR POLYURETHANE SEALANT DESIGNED FOR CONCRETE EXPANSION AND CONTROL JOINTS COMPLYING WITH ASTM D 4084, OR APPROVED EQUAL.
- CONCRETE SEALER:** "SCOFIELD" CEMENTONE CLEAR SEALER OR APPROVED EQUAL SHALL BE APPLIED TO ALL CONCRETE PER MANUFACTURER'S RECOMMENDATIONS.
- CURB TAPERS:** DUB DOWN (TAPER) CONCRETE CURBS TO ZERO HEIGHT AT SIDEWALKS. RAMP SIDEWALKS AS REQUIRED TO MEET EXISTING AND PROPOSED ADJACENT GRADES.
- CONSTRUCTION TOLERANCE:** PAVEMENT SUB-GRADE SHALL BE FINISHED TO ± 0.10 +/- OF DESIGN SUB-GRADE ELEVATIONS. ALL PROPOSED CURB, SIDEWALK AND PAVEMENT SHALL BE CONSTRUCTED TO WITHIN $0.05'$ +/- OF THE DESIGN GRADES.
- STRUCTURE ADJUSTMENTS:** ALL EXISTING STRUCTURES (MANHOLES, CATCH BASINS, VALVE BOXES, ETC) SHALL BE ADJUSTED TO MEET THE FINAL PAVEMENT OR GROUND SURFACE ELEVATION AS REQUIRED.
- CURB REMOVAL:** ALL EXISTING CURB AND ALL PAVEMENT, SIDEWALK AND/OR CURB SHALL BE ACCOMPISHED BY SAW CUTTING IN ACCORDANCE WITH THE STATE DOT SPECIFICATIONS.
- CONCRETE CURB AT ENTRANCES:** SAW CUTTING OF EXISTING CURB HEAD TO PROVIDE DEPRESSIONED CURB AT ENTRANCES IS PROHIBITED. THE CONTRACTOR SHALL SAW CUT EXISTING CURB AT LIMITS OF WORK AND REPLACE WITH DEPRESSIONED CURB AT ALL ENTRANCES. DRILL AND DOWEL ALL CURB INCLUDING DEPRESSIONED CURB TO EXISTING CURB PER THE DETAIL.
- EXISTING CURB TO EXISTING CONCRETE:** WHERE PROPOSED CONCRETE IS TO CONNECT TO EXISTING CONCRETE, AT LEAST 15" OF REINFORCING STEEL SHALL BE EXPOSED FROM THE EXISTING CONCRETE TO THE CONTRACTOR SHALL PROVIDE NEW HORIZONTAL DOWEL BARS PER THE DETAILS.
- ACCESSIBILITY SPECIFICATIONS:** SEE ACCESSIBILITY SPECIFICATIONS FOR MORE INFORMATION REGARDING PAVING IN THE ACCESSIBLE AREAS.

EROSION CONTROL MEASURES: CONTRACTOR SHALL COMPLY WITH THE EROSION CONTROL PLAN INCLUDING, BUT NOT LIMITED TO, PERIMETER SILT FENCE AND INLET PROTECTION, PRIOR TO THE START OF DEMOLITION.

TESTING: THE EARTHWORK SHALL BE OBSERVED AND TESTED ON A CONTINUING BASIS BY THE GEOTECHNICAL ENGINEER FOR CONFORMANCE WITH THE REQUIREMENTS SET FORTH IN THE GEOTECHNICAL REPORT.

UNDISTURBED AREAS: PRIOR TO GRADING, BRUSH REMOVAL, OR SITE CONSTRUCTION THE CONTRACTOR SHALL MEET WITH THE DEVELOPER OR GEOLOGIST/OR ENGINEER AT THE SITE TO REVIEW THE AREA'S PROJECT SITE MAPS. AREAS TO BE PROTECTED AND PRESERVED. REFER TO THE LANDSCAPE PLANS AND TREE PROTECTION PLANS FOR ALL CONSTRUCTION IN THE VICINITY OF EXISTING TREES.

STRIPPING AND DEBRIS REMOVAL: THE BUILDING PAD AREAS, AREAS TO BE PAVED AND THAT ARE NOT TO BE PAVED SHALL BE STRIPPED OF ALL EXISTING STRIPPS OF VEGETATION, TREES, ROOTS, STUMPS, DEBRIS, AND OTHER ORGANIC MATERIAL. STRIPPED TOPSOIL SHALL BE STOCKPILED IN A LOCATION ON-SITE APPROVED BY THE DEVELOPER IF IT HAS BEEN DETERMINED THAT IT CAN BE RE-USED ON THE SITE. ALL TREES INCLUDING STUMPS AND ROOT SYSTEMS, VEGETATION, DEBRIS, AND OTHER ORGANIC MATERIAL SHALL BE REMOVED FROM THE SITE. AFTER STRIPPING IS COMPLETE, THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE LAWS GOVERNING SPILLAGE OF DEBRIS WHILE TRANSPORTING TO A DISPOSAL SITE. ALL COSTS ASSOCIATED WITH DISPOSAL OF MATERIAL SHALL BE INCLUDED IN THE CONTRACT AMOUNT.

PROOF ROLLINGS: UPON COMPLETION OF STRIPPING OPERATIONS, AND PRIOR TO PLACING SOILS AND FILL MATERIALS, THE STRIPPED AREAS SHOULD BE OBSERVED TO DETERMINE IF ADDITIONAL EXCAVATION IS REQUIRED TO REMOVE WEAK OR OTHERWISE OBJECTIONABLE MATERIALS THAT WOULD ADVERSELY AFFECT THE FILL PLACEMENT. THE SUB-GRADE SHOULD BE FIRM AND ABLE TO SUPPORT AN EQUIPMENT WEIGHT OF 20 TONS. ANY AREAS WHERE THE SUB-GRADE SHOULD BE CORRECTED AND MADE STABLE BEFORE CONSTRUCTION PROCEEDS. PROOF ROLLING SHOULD BE PERFORMED USING A HEAVY PNEUMATIC TIRE ROLLER, LOADED DUMP TRUCK, OR SIMILAR PIECE OF EQUIPMENT WEIGHING 25 TONS. THE PROOF ROLLING OPERATIONS SHOULD BE OBSERVED BY THE GEOTECHNICAL ENGINEER OR HIS REPRESENTATIVE.

CONTROLLED FILL: ALL SOILS USED FOR CONTROLLED FILL SHOULD BE FREE OF ROCKS, VEGETATION, AND OTHER DELTERIOUS OR UNDESIRABLE MATTER. SOILS IMPORTED FROM OFF-SITE FOR USE AS FILL SHOULD BE APPROVED BY THE GEOTECHNICAL ENGINEER. THE FILL MATERIAL SHOULD BE PLACED IN LEVEL, UNIFORM LIFTS, WITH EACH LIFT COMPACTED TO 95% MODIFIED PROCTOR DRY DENSITY. THE MAXIMUM SOIL MOISTURE RANGES RECOMMENDED. THE LOOSE LIFT THICKNESS SHOULD NOT EXCEED 10 INCHES. EACH LAYER SHOULD BE PROPERLY PLACED, MIXED, PREPARED, AND COMPACTED TO BETWEEN 95 AND 100 PERCENT OF STANDARD PROCTOR DENSITY AS DETERMINED BY ASTM D-698.

SOILS: SOILS NOT OTHERWISE SPECIFIED BY THE GEOTECHNICAL ENGINEER, WITHIN THE LIMITS OF PROPOSED GRADING, THE SOIL SHALL BE COMPACTED IN 1" MAXIMUM LIFTS OF DRY SUB GRADE, BACKFILL OR FILL MATERIAL TO NOT LESS THAN THE FOLLOWING PERCENTAGES OF MODIFIED PROCTOR DRY DENSITY IN ACCORDANCE WITH THE LIST 7-8

UNDER STRUCTURES AND PAVEMENTS: 95% MODIFIED PROCTOR DRY DENSITY.

UNDER PARKWAY OR UNPAVED AREAS: 95% MODIFIED PROCTOR DRY DENSITY.

PROPOSED GRADES: THE PROPOSED CONTOURS INDICATED ON THE GRADING PLAN ARE FINISHED GRADES AND ARE SHOWN AT ONE-FOOT INTERVALS. SLOPE ELEVATIONS SHOWN ARE FINAL GRADES AND ARE NOTED WITH A PREFIX AS IDENTIFIED IN THE LEGEND.

TOLERANCE: ALL SUB-GRADE SHALL BE GRADED TO WITHIN $\pm 1"$ +/- OF THE PROPOSED SUBGRADE ELEVATIONS. ALL FINAL GRADES IN LANDSCAPE AREAS SHALL BE WITHIN $\pm 0.1'$ +/- OF THE PROPOSED GRADES AND CONTOUR LINES. SEE PAVING SPECIFICATIONS FOR FINISHES OF DRIVEWAYS AND SURFACES.

SITE DRAINAGE: DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL ENSURE POSITIVE SITE DRAINAGE AT THE CONCLUSION OF EACH DAY. ALL DRAINAGE MAY BE ACHIEVED BY DITCHING, PUMPING OR OTHER METHODS ACCEPTABLE TO THE ENGINEER.

TOPSOIL: THE LANDSCAPE PLAN FOR DETAILS AND SPECIFICATIONS. AT A MINIMUM, ALL LANDSCAPE AREAS SHALL BE RESPREAD WITH 4" OF FRIBLE, WOOD FREE, AND ROCK FREE TOPSOIL.

STANDARDS AND SPECIFICATIONS: THE CURRENT EDITION OF THE "ILLINOIS ACCESSIBILITY CODE" (IAC), THE "PROPOSED ACCESSIBILITY GUIDELINES FOR PEDESTRIAN FACILITIES IN THE PUBLIC RIGHT-OF-WAY" (PROWAG), IDOT STANDARDS AND "ADA STANDARDS FOR ACCESSIBLE DESIGN" SHALL GOVERN THIS WORK.

VERIFY SLOPES PRIOR TO CONSTRUCTION: EXISTING GRADES HAVE BEEN INTERPOLATED BASED ON ELEVATIONS PROVIDED ON THE SURVEY. PROPOSED GRADES NEAR EXISTING OR RECENTLY CONSTRUCTED STRUCTURES (BUILDINGS, PAVEMENT, SIDEWALKS, ETC) MAY REQUIRE MODIFICATIONS IN ORDER TO ACHIEVE COMPLIANCE. PRIOR TO INSTALLATION OF ANY ACCESSIBLE ROUTE, THE CONTRACTOR SHALL VERIFY THE SLOPE OF THE SUB-GRADE AND CONCRETE FORMS FOR COMPLIANCE WITH THE MAXIMUM SLOPES ALLOWABLE. IF ANY SLOPES ARE GREATER THAN ALLOWABLE, CONTRACTOR SHALL CONTACT THE DESIGN ENGINEER IMMEDIATELY TO RE-DESIGN THE ACCESSIBLE ROUTE.

DETECTABLE WARNINGS: DETECTABLE WARNINGS ARE NOT REQUIRED ON PRIVATE PROPERTY UNLESS REQUIRED BY LOCAL REQUIREMENTS. DETECTABLE WARNING REQUIREMENTS ARE REQUIRED ON PUBLIC STREETS AND CONTROLLED INTERSECTIONS AND SHALL BE AN INTEGRAL PART OF THE RAMP. WARNINGS SHALL BE EAST JORDAN INSERTS, HEAVY DUTY LOAD RATING, BRICK RED POWDER COATING RAL3016.

ACCESSIBLE ROUTES: AT LEAST ONE ACCESSIBLE ROUTE SHALL BE PROVIDED WITHIN THE SITE FROM ACCESSIBLE PARKING SPACES AND ACCESSIBLE PASSENGER LOADING ZONES; PUBLIC STREETS, SIDEWALKS AND PUBLIC TRANSPORTATION STOPS TO THE ACCESSIBLE BUILDING OR FACILITY ENTRANCE THEY SERVE. ACCESSIBLE ROUTES SHALL NOT HAVE A RUNNING SLOPE OF GREATER THAN 5% NOR A CROSS SLOPE OF GREATER THAN 2%.

CURB RAMPS: CURB RAMPS MAY BE PROVIDED WHEN A SIDEWALK MEETS A CURB. CURB RAMP SLOPES SHALL NOT EXCEED A RUNNING SLOPE OF GREATER THAN 5% NOR A CROSS SLOPE OF GREATER THAN 2%. LANDINGS NO SHORTER THAN 36" SHALL BE PROVIDED AT THE TOP OF A CURB RAMP.

ACCESSIBLE PARKING SPACES: ACCESSIBLE PARKING SPACES SHALL BE PROVIDED AS SHOWN ON THE PLANS AND SHALL NOT HAVE A SLOPE THAT IS GREATER THAN 2% IN ANY DIRECTION. ACCESSIBLE PARKING SPACES SHALL BE DESIGNATED AS RESERVED BY PROVIDING A PERMANENTLY MOUNTED SIGN. SEE DETAILS FOR THE SIGN REQUIREMENTS.

RAMP: AN ACCESSIBLE ROUTE WITH A RUNNING SLOPE GREATER THAN 5% IS CONSIDERED A RAMP AND SHALL COMPLY WITH THE RAMP REQUIREMENTS INCLUDING HANDRAILS. SEE ARCHITECTURAL PLANS FOR RAMP DETAILS.

STANDARDS AND SPECIFICATIONS: THE CURRENT EDITIONS OF THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" SHALL GOVERN THE PERFORMANCE OF THE WORK. "TRENCHING" AND "OPEN EXCAVATION" OPERATIONS SHALL COMPLY WITH ALL CURRENT O.S.H.A. REGULATORY REQUIREMENTS.

2. EXISTING UTILITIES: THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATIONS AND PROTECTION OF ALL EXISTING UTILITIES SHOWN, ALL EXISTING UTILITIES NOT SHOWN, AND ALL PROPOSED UTILITIES ON THESE PLANS.

3. ROADWAY: THE CONTRACTOR SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN ANY TEMPORARY ROADWAY PATCHES THAT MAY OCCUR IN ORDER TO REOPEN A ROADWAY WHILE CONSTRUCTION ACTIVITY PROGRESSES, UNTIL SUCH TIME A PERMANENT PATCH CAN BE INSTALLED.

4. TRENCH BACKFILL IN RIGHT OF WAYS: CARE SHALL BE TAKEN IN PARKWAYS AREAS TO ASSURE PROTECTION FROM DAMAGE TO THE FUTURE STABILITY OF DRIVEWAYS AND SIDEWALKS. WHILE SPECIAL BACKFILL MATERIAL IS NOT REQUIRED, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT AGAINST POTENTIAL FUTURE SETTLEMENT OF BACKFILLED AREAS.

5. TRENCH BACKFILL: TRENCH BACKFILL MATERIAL (SEE DETAIL), SHALL BE PROVIDED UNDER WITHIN TWO FEET OF ALL PROPOSED AND FUTURE SIDEWALK, CURBS AND PAVEMENT.

6. STRUCTURE BEDDING: ALL STRUCTURE BEDDING SHALL BE COMPACTED CRUSHED STONE OR LIMESTONE MEETING CA-6 STANDARDS.

7. WATER AND SEWER SEPARATION: ALL SEWERS SHALL BE LAID AT LEAST 10 FEET HORIZONTALLY FROM ANY EXISTING WATER MAIN. THE FUTURE WATER MAIN, THE DISTANCE SHALL BE MEASURED EDGE TO EDGE. ALL SEWERS CROSSING WATER MAINS SHALL BE LAID TO PROVIDE A MINIMUM VERTICAL DISTANCE OF 18 INCHES BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF THE SEWER. THIS SHALL BE THE CASE WHERE THE WATER MAIN IS EITHER ABOVE OR BELOW THE SEWER. THE CROSSING SHALL BE MADE BY THE CHANGING OF THE SEWER'S DIRECTION. THE WATER MAIN SHALL BE AS POSSIBLE FROM THE WATER MAIN, BEHIND WHERE A WATER MAIN CROSSES UNDER A SEWER, ADEQUATE STRUCTURAL SUPPORT SHALL BE PROVIDED FOR THE SEWER TO PREVENT DAMAGE TO THE WATER MAIN AND THE SEWER SHALL BE CONSTRUCTED OF IMPERMEABLE QUALITY MATERIALS FOR 10' ON EITHER SIDE OF THE PIPE. WHEN IT IS IMPOSSIBLE TO OBTAIN PROPER HORIZONTAL AND/OR VERTICAL SEPARATION AS STIPULATED ABOVE, THE SEWER SHALL BE CONSTRUCTED WITH WATER MAIN QUALITY MATERIALS.

8. TRANSFORMER PAD: THE CONTRACTOR IS RESPONSIBLE FOR THE ELECTRICAL TRANSFORMER CONCRETE PAD PER THE UTILITY COMPANY SPECIFICATIONS.

9. SEWER LID LETTERING: ALL SANITARY SEWER CASTINGS TO BE LETTERED "SANITARY SEWER" OR "SANITARY SEWER SOLID LID CASTINGS" SHALL BE LETTERED "DUMP NO WASTE" AND "DRAINS TO CREEK". ALL WATER CASTINGS TO BE LETTERED "WATER", ALL FRAMES AND CASTINGS SHALL MEET ALL MUNICIPAL, STATE AND REGULATORY AGENCY REQUIREMENTS AND SPECIFICATIONS.

10. FRAME AND GRATES: UNLESS OTHERWISE SPECIFIED ON A DETAIL OR WITHIN THE STANDARD SPECIFICATIONS, FRAME AND GRATE TO BE:

10.1. STORM STRUCTURES WITH OPEN LIDS IN STANDARD CURBS: EIJJW 7220 FRAME WITH TYPE M1 GRATE AND T1 CURB BOX, OR APPROVED EQUAL.

10.2. STORM STRUCTURES WITH OPEN LIDS IN DEPRESSION CURBS: EIJJW 5120 F&G, OR APPROVED EQUAL.

10.3. STORM STRUCTURES WITH OPEN LIDS IN PAVEMENT: EIJJW 1220 FRAME WITH TYPE M1 RADIAL PLAT GRATE, OR APPROVED EQUAL.

10.4. STORM STRUCTURES WITH OPEN LIDS IN LANDSCAPE AREAS: EIJJW 6527N 2" BEEHIVE GRATE, OR APPROVED EQUAL.

10.5. STORM STRUCTURES WITH CLOSED LIDS: EIJJW 1220 FRAME WITH TYPE A SOLID GRATE, OR APPROVED EQUAL.

10.6. WATER VALVES: EIJJW 1022-23, OR APPROVED EQUAL.

10.7. SANITARY SEWER: EIJJW 1022-23, OR APPROVED EQUAL.

11. WATER MAIN BURY DEPTH: THE MINIMUM COVER FOR WATER MAIN SHALL BE 5 FEET FROM THE FINISHED GRADE TO THE TOP OF THE MAIN.

12. WATER MAIN JOINTS: THE JOINTS OF THE WATER MAIN, RINGS AND SLEEVES ARE TO BE PLACED BEFORE SITE PAVING CONSTRUCTION COMMENCES AND SHALL BE BURRED A MINIMUM OF 24" BELOW THE BOTTOM OF THE PAVEMENT EXCEPT ELECTRICAL CONDUIT WHICH SHALL BE A MINIMUM OF 36" DEEP. ALL CONDUIT SHALL EXTEND TWO FEET BEYOND THE BACK OF CURB OR EDGE OF SIDEWALK. CONTRACTOR SHALL PROVIDE CONDUIT AS NEEDED FOR ALL UTILITY SERVICES, GAS, TELEPHONE AND ELECTRIC LOCATIONS MAY BE SHOWN ON PLANS AS A GUIDE. EXACT LOCATIONS SHALL BE DETERMINED BETWEEN THE CONTRACTOR AND UTILITY COMPANIES.

13. WATER MAIN TESTING: ALL WATER LINES, FITTINGS AND VALVES SHALL BE TESTED FOR PRESSURE AND LEAKAGE IN ACCORDANCE WITH AWWA C600 AND FLUSHED AND DISINFECTED IN ACCORDANCE WITH AWWA C651. ALL VALVES SHALL BE VACUUM TESTED TO PREVENT INFILTRATION. ALL TESTING, FLUSHING AND DISINFECTION SHALL BE WITNESSED AND APPROVED AND SHALL BE IN COMPLIANCE WITH ALL MUNICIPAL, STATE AND REGULATORY AGENCY GUIDELINES, REQUIREMENTS AND SPECIFICATIONS.

14. SANITARY SEWER TESTING: SEE VILLAGE OF ROMEOVILLE SPECIFICATIONS.

15. SEDIMENTATION BASINS: THE SEDIMENTATION BASINS AND PAVEMENT SURFACES WITHIN THE LIMITS OF CONSTRUCTION SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO FINAL ACCEPTANCE AND AS MAY BE PERIODICALLY REQUIRED DURING THE COURSE OF CONSTRUCTION.

16. FLARED END SECTION GRATES: ALL FLARED END SECTIONS SHALL HAVE GRATES AND THE GRATES SHALL FOLLOW THE END INTERIOR OF THE IDIOS STANDARD.

17. STEEL IN STRUCTURE: ALL STRUCTURE STEEL SHALL BE GRATE CAST IRON ASTM A-48 OR POLYPROPYLENE COATED STEEL REINFORCING RODS WITH LOAD AND PULLOUT RATINGS MEETING OSHA STANDARDS.

18. WATERMAIN WRAP: ALL WATERMAIN SHALL BE WRAPPED IN V-BIO POLYETHYLENE LINING METHOD A.

19. WATERMAIN JOINTS: ALL WATERMAIN JOINTS SHALL BE RESTRAINED WITH MEGALUGS (EBAK IRON) ONLY (NO CONCRETE THRUST BLOCKS).

20. ADJUSTING RINGS: 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) SHALL BE USED ABOVE AND/OR BELOW THE SEWER. USE ONE (1) PAVED IRON ADJUSTING RING CONCRETE RING.

21. ALL MANHOLES LOCATED IN AREAS SUBJECT TO INUNDATION MUST HAVE WATERPROOF BOLT-DOWN FRAMES AND LIDS.

	FLAG POLE		ORNAMENTAL METAL FENCE
	SIGN SIGN IN BOLLARD		WOOD FENCE
	DOUBLE FACED SIGN		CONSTRUCTION SITE FENCE
	DOUBLE FACED SIGN IN BOLLARD		SILT FENCE
	BOLLARD		GUARDRAIL
	PARKING LOT LIGHT POLE		TREE PROTECTION FENCE
	WALL SCONCE		MINOR CONTOUR
	GREASE TRAP		MAJOR CONTOUR
	SANITARY MANHOLE		HIGH WATER LINE
	SEWER CLEANOUT		NORMAL WATER LINE
	STORM SEWER CB/ INLET		FLOODPLAIN
	STORM MANHOLE		FLOODWAY
	CULVERT		WETLAND
	FLARED END SECTION		50' BUFFER
	DOWNSPOUT AT GRADE		100' BUFFER
	DOWNSPOUT CONNECTION		DEMO
	WATER VAULT		
	FIRE HYDRANT		
	B-BOX	ME (MATCH EXISTING)	W (TOP OF WALL)
	WATER VALVE	P (PAVEMENT)	TOW (TOP OF WALL)
	PRESSURE CONNECTION	TC (TOP OF CURB)	BOW (BOTTOM OF WALL)
	GAS VALVE	FL (FLOW LINE)	FND (FOUNDATION)
		BC (BACK OF CURB)	FNC (FENCE)
		FC (FACE OF CURB)	WTLD (WETLAND)
		DC (DEPRESSED CURB)	FFE (BUILDING)
	PROPOSED OVERLAND FLOW ROUTE		
	FLOW ARROW (PAVEMENT)		
	FLOW ARROW (LANDSCAPE)		
	PROPOSED SPOT GRADE		

☐ ISSUED FOR CLIENT REVIEW - PRELIMINARY
☒ ISSUED FOR PERMIT REVIEW/ APPROVAL
☐ ISSUED FOR BID
☐ ISSUED FOR CONSTRUCTION

SPECIFICATIONS & LEGENDS

DESIGNED BY:	NCL
REVIEWED BY:	WHP
DATE:	11/11/2020
PRJ#:	5232-300-32-01



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SHEET #:

C-2

RECORD DRAWINGS ARE REQUIRED TO PROVIDE A MEANS OF SCHEMATIC VERIFICATION THAT THE INTENT OF THE APPROVED ENGINEERING DESIGN HAS BEEN MET, THEREBY SUBSTANTIATING THAT THE HEALTH, SAFETY, AND WELFARE ASPECTS OF THE ENGINEERING DESIGN HAVE BEEN ADEQUATELY PROVIDED BY THE CONSTRUCTION OF THE PROJECT. SECONDLY, RECORD DRAWINGS SERVE AS A REFERENCE TOOL FOR FUTURE LOCATION AND MAINTENANCE OPERATIONS. THE FOLLOWING REQUIREMENTS WILL BE APPLIED TO EACH SET OF RECORD DRAWINGS DEVELOPED FOR THE VILLAGE OF ROMEVILLE.

- A. THE FIRST SHEET OF THE SET WILL HAVE A VICINITY MAP IN THE UPPER RIGHT-HAND CORNER.
- B. RECORD DRAWINGS SHALL BE SUBMITTED AS REVISIONS SHOWN ON THE ORIGINAL ENGINEERING PLANS AND AS AUTOCAD (VERSION 2004) FILES. RECORD DRAWINGS WILL HAVE THE ORIGINAL DATA LINED THROUGH AND THE RECORD DATA ADDED TO THE DRAWING. AT NO TIME WILL THE ORIGINAL DATA BE ACCEPTED AS THE RECORD DATA.
- C. ALL RECORD DRAWINGS FOR MAJOR PROJECTS ARE REQUIRED TO BE 24" X 36" AND SHALL BEAR THE NAME, ADDRESS, AND TELEPHONE NUMBER OF THE FIRM PREPARING THE DRAWING AND THE DATE THE RECORD DATA IS ADDED TO THE ORIGINAL VIA THE REVISION BLOCK.
- D. SURVEYOR'S/ENGINEER'S STATEMENT (WITH EMBOSSED OR WET SEAL AND WITH ORIGINAL SIGNATURE ON EACH SHEET) SHALL VERIFY THAT THE RECORD DRAWINGS REFLECT THE TRUE CONDITIONS IN THE FIELD.
- E. CONTRACTOR'S STATEMENT (WITH ORIGINAL SIGNATURE ON EACH SHEET) SHALL VERIFY THAT ALL CONSTRUCTION SPECIFICATIONS AND/OR PRODUCTION QUALITIES HAVE BEEN MET OR EXCEEDED.
- F. RECORD DRAWINGS SHALL BE LABELED ON THE DRAWING SET IN 1-INCH-HIGH LETTERS.
- G. STREET NAMES SHALL BE SHOWN ON ALL STREETS.
- H. IF THE UTILITY SYSTEM IS TO BE PRIVATE (NOT TO BE DEDICATED TO LOCAL AUTHORITY), THEN INDICATE ON EACH SHEET.
- I. THE LOCATION AND ELEVATION OF THE BENCHMARKS REFERENCED WILL BE SHOWN ON THE DRAWING. IF THE REFERENCED BENCHMARKS ARE NOT WITHIN THE PROJECT LIMITS, THEN COMPLETE DESCRIPTIONS OF LOCATIONS MUST BE PROVIDED.
- J. SHOW ALL ELEVATIONS WITHIN THE PROJECT LIMITS ON THE RECORD DRAWINGS.
- K. ALL UNCONSTRUCTED ELEVATIONS MUST BE REFERENCED TO THE SAME BENCHMARK DATUM AS THE ORIGINAL APPROVED DESIGN PLANS.

- A. LOCATE VALVES, FITTINGS, SERVICES (B-BOXES), SHUT-OFF VALVES, AND FIRE HYDRANTS IN TWO DIRECTIONS (STATION AND OFFSET).
- B. LOCATIONS SHALL BE PERPENDICULAR TO THE RIGHT-OF-WAY AND PARALLEL TO THE WATER MAIN.
- C. LOT LINES MAY BE USED TO LOCATE WATER SERVICES.
- D. PERMANENT STRUCTURES THAT ARE PROPERLY LOCATED MAY ALSO BE USED.
- E. RADIAL TIES ARE NOT ACCEPTABLE.
- F. ALL HORIZONTAL DISTANCES SHALL BE SHOWN TO THE NEAREST FOOT. ALL VERTICAL DISTANCES SHALL BE SHOWN TO THE NEAREST TENTH OF A FOOT.
- G. SHOW ALL MATERIALS, SIZES, AND TYPES OF VALVES, PIPES, AND FITTINGS. ELEVATIONS SHALL BE SHOWN FOR THE TOP OF ALL MANHOLE COVERS AND FOR TOP OF PIPE.
- H. SPECIAL DETAIL DRAWINGS WILL BE REQUIRED WHERE INSTALLATIONS ARE NOT SHOWN ON APPROVED ENGINEERING DRAWINGS FOR WHATEVER REASON OR WHERE REQUIRED FOR CLARITY.
- I. SHOW LOCATION AND ELEVATIONS FOR PIPES AND FITTINGS WHERE CHANGES IN DIRECTION OCCUR. SHOW LINEAR DISTANCES ALONG WATERMAIN FROM APPURTENANCE TO APPURTENANCE (E.G. VALVE VALVE TO TEE, TEE TO BEND, BEND TO VALVE, ETC.)
- J. DETAIL FOR WATER SERVICES DERIVED FROM TYPICAL INSTALLATION DETAILS OF THE APPROVED ENGINEERING PLANS SHALL BE NOTED ON THE RECORD DRAWINGS.

- A. ALL PIPING, WYES, TEES, VALVES, CLEANOUTS, MANHOLES AND SPECIAL CASES SHALL BE IDENTIFIED IN TWO DIRECTIONS, IN THE FOLLOWING MANNER: WATER CATCHERS;
- B. HORIZONTAL DIRECTION SHALL BE IDENTIFIED TO THE NEAREST FOOT. ELEVATIONS SHALL BE TO THE NEAREST HUNDREDTH OF A FOOT. IDENTIFY THE LENGTH, SIZE, MATERIAL, AND SLOPE OF ALL PIPING (I.E., 300 FEET OF 8" PVC/SOR 35.4% 0.4%).
- C. ELEVATIONS SHALL BE GIVEN FOR EACH MANHOLE COVERS AND FOR THE INLETS OF ALL PIPES ENTERING/EXITING EACH MANHOLE.
- D. SERVICE LATERALS ARE TO BE IDENTIFIED WITH LOCATION OF END SERVICE / PLUG (STATION AND OFFSET MEASURED UPSTREAM). DETAILS FOR DROP MANHOLES DEVIATING FROM THE DETAIL FOR SERVICE LATERALS SHALL BE IDENTIFIED.
- E. PROVIDE COPIES OF ALL TESTING RECORDS AND VIDEO TAPES OF ALL SANITARY LINES.

- A. LOCATE ALL VALVES, FITTINGS, ETC. IN TWO DIRECTIONS IN THE SAME MANNER AS WATER LOCATIONS.
- B. LOCATIONS OF FITTINGS SHALL BE SHOWN AT ALL CHANGES IN DIRECTION.
- C. ELEVATIONS SHALL BE GIVEN FOR THE TOP OF ALL MANHOLE COVERS AND FOR THE INVERTS OF ALL PIPES ENTERING/EXITING EACH MANHOLE.
- D. SHOW ALL SIZES, MATERIALS, AND TYPES OF VALVES, FITTINGS, PIPE, ETC.
- E. SPECIAL DETAIL DRAWINGS WILL BE REQUIRED WHERE INSTALLATIONS ARE NOT AS SHOWN ON THE APPROVED DRAWINGS FOR WHATEVER REASON.

- A. WELL SITE AND LOCATION SHALL BE SHOWN ALONG WITH HIGH AND LOW WATER LEVELS.
- B. ELEVATIONS FOR TOP OF TUNNEL, INVERTS, ADJACENT ROADWAY AND TYPE AND SIZE OF LINES AND FITTINGS FOR ALL LINES EXISTING OR TO BE INSTALLED.
- C. ALL SCHEDULES WHICH SHOW PUMP, MOTOR AND ELECTRICAL DATA SHALL BE AMENDED AND SHALL BE SUBMITTED WITH PUMP DRAWINGS.
- D. ALL IMPROVEMENTS WITHIN THE PUMP STATION BOUNDARIES SHALL BE LOCATED HORIZONTALLY AND VERTICALLY TO THE NEAREST TENTH OF A FOOT (I.E., VALVE PIT, PUMP-OUT, WATER SPIGOT, WELL, CONTROL PANEL, BENDS, FITTINGS, ETC.).
- E. COPIES OF ALL OPERATION AND MAINTENANCE MANUALS (THREE COPIES MINIMUM) INCLUDING PUMP CURVES.

- A. ALL DRAINAGE STRUCTURES SHALL BE LOCATED BY STATION AND OFFSET FROM RIGHT-OF-WAY LINE.
- B. ELEVATIONS SHALL BE GIVEN FOR THE TOP OF ALL MANHOLE COVERS AND FOR THE INVERTS OF ALL PIPES ENTERING/EXITING EACH MANHOLE.
- C. PER THE WILL COUNTY STORM WATER ORDINANCE, ANY ON-SITE FIELD TILE WHICH REMAINS ON-SITE MUST BE IDENTIFIED ON RECORD DRAWINGS.
- D. IDENTIFY SIZE, MATERIAL, AND SLOPE OF ALL PIPING.
- E. PROVIDE SPOT ELEVATIONS AND CROSS-SECTIONAL INFORMATION, AS WELL AS SLOPE, ON ALL DITCHES, CANALS, ETC.
- F. "RECORD" INFORMATION REQUIRED ON STORM WATER BASINS SHALL CONSIST OF:
TOPOGRAPHIC MAP OF THE DETENTION AREA.

1. SPOT ELEVATION ON TOP OF BANK TO CONFIRM MINIMUM DESIGN BANK ELEVATION.
2. OBSERVED WATER ELEVATION AT DATE OF THE RECORD DRAWING FOR WET BOTTOM BASINS.
3. INCLUDE RECORD DETAIL OF THE OUTLET CONTROL STRUCTURE INCLUDING ELEVATIONS.
4. THE TOP OF THE CONTROL STRUCTURE, THROAT, FACES, **ORIFICES**, **OR UNDERDRAIN**.
5. LOCATION OF TOP OF BANK AND EXISTING WATER EDGES AT TIME AND DATE OF TAKING ELEVATIONS.
6. SPOT ELEVATIONS ON THE BOTTOM OF DRY BOTTOM BASINS, OR, IF REQUESTED BY THE VILLAGE ENGINEER FOR WET BOTTOM BASINS.
7. A STAGE/STORAGE TABLE SHOWING THE DESIGN AND AS-CONSTRUCTED POND VOLUMES AND RELEASE RATES.
8. A SIGNED/SEALED STATEMENT BY A PROFESSION ENGINEER THAT THE DETENTION POND(S) PROVIDES THE REQUIRED DETENTION STORAGE AND DOES NOT EXCEED THE ALLOWABLE OUTFLOW RATE(S) PER THE APPROVED CONSTRUCTION PLANS AND HYDROLOGY STUDY. IF SIGNIFICANTLY DIFFERENT THAN THE APPROVED DRAWINGS (AS DETERMINED BY THE VILLAGE ENGINEER) THE ENGINEER MUST SUBMIT A REVISED HYDROLOGY STUDY USING THE AS-CONSTRUCTED CONDITIONS IN ORDER TO DOCUMENT THIS STATEMENT.
9. PROVIDE COPIES OF ALL TESTING RECORDS AND VIDEO TAPES OF ALL STORM LINES.
10. GRADING RECORD DRAWING REQUIREMENTS
 - A. INCLUDE ELEVATIONS FOR PROPERTY CORNERS, THE HIGH OR LOW POINTS, OR MAJOR BREAK POINTS ON ALL LOT LINES, AND SWALES.
 - B. INCLUDE SPOT ELEVATIONS ON THE SIDE PROPERTY LINES AT THE FRONT AND REAR LINES OF THE STRUCTURE EXTENDED.
 - C. SHOW CONTOURS AT A ONE-FOOT CONTOUR INTERVAL. FLAT GRADING MAY REQUIRE INTERMEDIATE CONTOUR LINES TO DEFINE SWALES AND DRAINAGE PATTERNS.
 - D. LOCATE THE LOWEST ADJACENT GRADES (LAGS) TO ANY OPENINGS ALONG REAR- YARD AND SIDE YARD SWALES.
 - E. PROVIDE CROSS SECTIONS, AT A MAXIMUM SPACING OF 50 FEET, ALONG ALL 100- YEAR OVERLAND FLOOD ROUTES LOCATED OUTSIDE STREET PAVEMENTS.

A. INCLUDE AS-CONSTRUCTED TOP OF FOUNDATION ELEVATIONS, INCLUDING ALL STEPS IN THE FOUNDATION.

A. PROVIDE HORIZONTAL TIES FOR LIGHT FOUNDATIONS AND CONTROL CABINETS AS REFERENCED TO THE APPROVED PLAN STATIONING OR COORDINATES.

A. INCLUDE AUTOCAD (V.2004) COMPATIBLE VERSION OF ALL RECORD INFORMATION.
B. PROVIDE SEPARATE LAYERS FOR ALL UTILITIES.

A. NO FINAL OCCUPANCY PERMITS, OR ACCEPTANCE OF THE PUBLIC UTILITIES BY THE VILLAGE OF ROMEOVILLE WILL PROCEED UNTIL THE RECORD DRAWINGS HAVE BEEN SUBMITTED AND APPROVED BY THE VILLAGE ENGINEER.

GAS CHLORINATION MUST BE USED FOR DISINFECTION.
 THE CHLORINATION CONTRACTOR MUST CALL 815-886-1870 A MINIMUM OF 24-HOURS IN
 ADVANCE TO SCHEDULE CHLORINATION.
 ALL VILLAGES OF ROMEVILLE ELLIPSSES SHALL OPERATE WATER SYSTEM VENTS AND
 TURN ON/OFF SAMPLING WHIRLS WHILE SAMPLES ARE BEING COLLECTED.
 ALL CHLORINATION AND SAFETY EQUIPMENT MUST MEET OR EXCEED THE STANDARDS
 AND RECOMMENDATIONS SET BY THE CHLORINE INSTITUTE, INC.
 THE CHLORINATION CONTRACTOR MUST BE A LICENSED PLUMBER OR CERTIFIED ILLINOIS WATER
 OPERATOR WITH A MINIMUM 5 YEARS EXPERIENCE WORKING WITH CHLORINE
 DISINFECTION OF WATER SUPPLY LINES.
 THE CHLORINATION CONTRACTOR MUST HAVE TWO PEOPLE PRESENT TO CHLORINATE.
 ONE TO MONITOR THE CYLINDER AND ONE TO MONITOR IN THE FIELD.
 THE CHLORINATION CONTRACTOR MUST BE BONDED AND INSURED, AND HAVE PROOF OF
 BOTH ON FILE WITH THE VILLAGE.
 THE CHLORINATION CONTRACTOR MUST HAVE UPDATED 24-HOUR EMERGENCY PHONE
 NUMBERS ON FILE WITH THE VILLAGE.
 THE CHLORINATION CONTRACTOR MUST COMPLY WITH STATE AND FEDERAL
 REGULATIONS REGARDING TRANSPORTATION AND HANDLING OF CHLORINE CYLINDERS:
 SHIPPING AND HANDLING MUST BE IN ACCORD WITH EVERY JOB LOCATION
 * PROOF OF INSURANCE FOR HAULING AND HANDLING CHLORINE GAS
 * COMMERCIAL DRIVER'S LICENSE WITH HAZMAT ENDORSEMENT AND MEDICAL CARD
 COPY OF EMERGENCY RESPONSE GUIDEBOOK IN VEHICLE
 * HAZMAT CERTIFICATE OF REGISTRATION
 * HAZARDOUS MATERIALS PLACARD DISPLAYED ON VEHICLE
 * CYLINDER STRAPPED UPRIGHT IN TRUCK
 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 RIGID OBJECT.
 PRIOR TO CHLORINATION, THE CHLORINATION CONTRACTOR MUST PROVIDE A DETAILED
 WRITTEN CHLORINATION AND FLUSHING PLAN TO THE VILLAGE FOR REVIEW AND
 WRITTEN APPROVAL.
 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 ROMEVILLE
 PUBLIC WORKS DEPARTMENT (815-886-1870) WITH ANY QUESTIONS.

BEFORE FINAL ACCEPTANCE, THE SANITARY SEWERS SHALL BE TESTED IN ACCORDANCE WITH SECTION 31.1.1 OF THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN MATERIALS". SPECIFICALLY, SPECIFICATIONS FOR THE TESTING OF FLEXIBLE MATERIALS SHALL BE SUBJECT TO AIR EXFILTRATION TESTS, TELEVISION TEST, AND DEFLECTION TEST. THE DEFLECTION TEST SHALL BE PERFORMED NO SOONER THAN THIRTY (30) DAYS OF THE BACKFILLING OPERATION AND SHALL CONSIST OF MEASURING THE PIPE DEFLECTION USING A TELEVISION CAMERA, MEASURING THE DEFLECTION OF THE PIPE. LOAD SHALL BE LIMITED TO FIVE (5) PERCENT OF THE INTERNAL PIPE DIAMETER. ALL PIPE EXCEEDING THIS DEFLECTION SHALL BE CONSIDERED TO HAVE REACHED THE LIMIT OF ITS SERVICEABILITY AND SHALL BE RE-LAID OR REPLACED BY THE DEVELOPER. DEFLECTION SHALL BE MEASURED BY THE METHOD DESCRIBED BY THE "ASTM STANDARD D 2922-00" / "GO / NO-GO" DEVICE, WITH A DIAMETER EQUAL TO NINETY-FIVE (95) PERCENT OF THE UNDEFLECTED INSIDE DIAMETER OF THE FLEXIBLE PIPE, THROUGH THE PIPELINE. IN ADDITION, ALL SANITARY SEWER HAVING A DIAMETER OF EIGHT (8) INCHES OR GREATER SHALL BE TESTED. COPIES OF ALL VIDEO TAPES MUST BE SUBMITTED TO THE VILLAGE OF ROMEOVILLE.

VACUUM TESTING SHALL BE CARRIED OUT IMMEDIATELY AFTER ASSEMBLY AND PRIOR TO BACKFILLING OF MANHOLES THAT ARE UP TO SEVENTY-TWO (72) INCHES IN DIAMETER. ALL LIFT HOLES SHALL BE PLUGGED WITH A NON-SHRINK GROUT, OR RUBBER PLUG. THE MANHOLE HOLES SHALL BE ADJUSTING TO THE HOLES AND CHIMNEY SEALS SHALL BE IN PLACE BEFORE THE RUBBER PLUGS OR GROUT SHALL BE PLACED IN THE JOINTS. ALL LIFT PIPES ENTERING THE MANHOLE SHALL BE PLUGGED, TAKING CARE TO SECURELY BRACE THE PLUGS FROM BEING DRAWN INTO THE MANHOLE WITH THE VACUUM TESTING. VACUUM TESTING SHALL TEST ALL MANHOLES FOR LEAKAGE. A VACUUM OF TEN (10) INCHES OF MERCURY SHALL BE PLACED ON THE MANHOLE AND THE TIME MEASURED FOR THE VACUUM TO DROP TO NINE (9) INCHES OF MERCURY. THE VACUUM DROP SHALL NOT EXCEED THE REQUIREMENTS OF THE STANDARD SPECIFICATION FOR T-242. THE VACUUM TESTING SHALL BE REPEATED UNTIL THE VACUUM HOLDING TIME MEASURED FOR THE VACUUM TO DROP TO NINE (9) INCHES OF MERCURY IS ACCEPTABLE. THE TESTING SHALL BE COMPLETED PRIOR TO BACKFILLING (WHENEVER POSSIBLE) SO THAT ALL LEAKS CAN BE FOUND AND FIXED EXTERNALLY, AND TO GIVE THE HORIZONTAL MANHOLE JOINTS AN OPPORTUNITY TO TIGHTEN.

THE DEVELOPER WILL BE REQUIRED TO MONITOR THE FLOWRATE FROM THE SITE FOR A PERIOD OF TWO MONTHS (ENCOMPASSING AT LEAST TWO MAJOR STORM EVENTS) TO IDENTIFY ANY EXCESSIVE INFLOW/INFILTRATION OCCURRING IN THE SYSTEM. THE DATA MUST BE SUBMITTED TO THE VILLAGE OF ROMEOVILLE PRIOR TO ACCEPTANCE OF THE PUBLIC IMPROVEMENTS.

PURPOSE OF SPECIFICATIONS
 THE PURPOSE FOR THESE DATA REQUIREMENTS IS TO COMMUNICATE THE MINIMUM NEEDS TO SUCCESSFULLY UTILIZE THE DATA SUBMITTALS FROM DEVELOPERS. THIS DATA WILL BE USED TO PROVIDE ONGOING UPDATES OF ATLASES AND GIS LAYERS. THE GOAL IS TO MINIMIZE THE COST TO THE MUNICIPALITY FOR THIS UPDATE PROCESS.
 ELECTRONIC FILES SHALL BE SUBMITTED WHEN SUBMITTING FINAL COPIES OF:
 FINAL PLATS OF SURVEY & SUBDIVISION
 PUBLIC IMPROVEMENT ENGINEERING PLANS DEVELOPMENT PLANS
 AS-BUILT CONSTRUCTION PLANS

FILES MAY BE SUBMITTED ON THE FOLLOWING MEDIA TYPES, WHICH ARE IBM AND MICROSOFT COMPATIBLE:
CD-ROM DVD
PORTABLE USB THUMB DRIVES
IT WOULD ALSO BE ACCEPTABLE TO SEND THE FILES BY EMAIL OR VIA. FTP DOWNLOAD SITES.

ALL SUBMISSIONS MUST BE IN A DRAWING FILE FORMAT (*.DWG) COMPATIBLE WITH AUTOCAD. IF THE DRAWING FILE IS IN A MICRO STATION FORMAT (*.DGN) THEN A TEXT FILE MUST ACCOMPANY THE DRAWING. THIS TEXT FILE MUST REFERENCE THE MICRO STATION LAYER NUMBER AND GIVE A CORRESPONDING DEFINITION FOR THAT LAYER. ESRI SHAPE FILES OR PERSONAL GEODATABASES ARE ALSO ACCEPTABLE.

1. THE DRAWING MUST BE DRAFTED AT FULL SCALE AND WILL CONTAIN ALL EXISTING AND PROPOSED OBJECTS THAT ARE CONTAINED IN THE PLANS OR PLATS SUBMITTED FOR REVIEW. THE DRAFTING SHALL BE DONE USING THE STATE PLANNING, ILLINOIS EAST ZONE WITH UNITS OF FEET.
2. ALL NEEDED PIPE SHALL BE INCLUDED FOR SUBMITTALS. CHECK THAT X-REFERENCED, OR ATTACHED FILES ARE ALSO SUBMITTED.
3. ALL UTILITY STRUCTURES WILL BE DRAWN AS A BLOCK WITH AN INSERTION POINT FOR UTILITY STRUCTURES SHALL HAVE A UNIQUE BLOCK NAME FOR THE DIFFERENT TYPES OF STRUCTURE.
4. LAYERS WILL BE DESCRIPTIVE AND NUMEROUS ENOUGH AS TO SEPARATE UTILITY TYPES AS WELL AS DETERMINING PROPOSED FROM EXISTING.
5. ALL UTILITIES, WHICH INCLUDE A DIRECTION OF FLOW, WILL BE DRAFTED IN THE DIRECTION OF FLOW.
6. ALL PIPES WILL BE DRAFTED SUCH THAT A SINGLE LINE IS DRAWN AND SNAPPED FROM THE CENTER OF STRUCTURE TO THE CENTER OF NEXT STRUCTURE. BREAK PIPES AT STRUCTURES. THE ONLY EXCEPTION TO THIS RULE IS NOT TO BREAK WATER MAINS AT VALVES ONLY WHERE IT CONNECTS TO ANOTHER MAIN.
7. ALL PIPES CONNECTED TO OTHER PIPES WITHOUT A STRUCTURE SHALL ALSO BE SNAPPED. ALL PIPE SIZES ARE TO BE INCLUDED AS TEXT LABELS ON OR NEAR THE PIPE.

STORM OR COMBINED SEWER
DETENTION & RETENTION AREAS AS CLOSED POLYGONS PIPES WITH SIZE
DITCHES AND CULVERTS

INCLUDE THE FOLLOWING STRUCTURES AS BLOCKS IN ADDITION TO THE STORM PIPE:
MANHOLE
INLET
CATCH BASIN CLEANOUT
FLARED END SECTION

SANITARY SEWER
PIPES WITH SIZE
INCLUDE AND DIFFERENTIATE GRAVITY AND FORCED SEWER PIPES.

INCLUDE THE FOLLOWING STRUCTURES AS BLOCKS IN ADDITION TO THE SANITARY PIPE: MANHOLE
GREASE TRAP
AIR RELEASE VALVE LIFT STATIONS CLEANOUTS

WATER SYSTEM
PIPES WITH SIZE
INCLUDE AND DIFFERENTIATE DISTRIBUTION OR SERVICE PIPES AND STRUCTURES.
DIFFERENTIATE WITH RESPECT TO PUBLIC OR PRIVATE PIPES AND STRUCTURES.

INCLUDE THE FOLLOWING STRUCTURES AS BLOCKS IN ADDITION TO THE WATER PIPE:
VALVE
REDUCER HYDRANT METER VAULTS WELLS

PARCELS
PARCELS DRAWN AS CLOSED POLYGONS AND SNAPPED TO ADJACENT PARCELS AS
NEEDED. EASEMENTS AND SETBACKS INCLUDED AS A SEPARATE LAYER

ADDRESSES AND PIN (PARCEL ID NUMBER) TEXT EACH ON ITS OWN LAYER INCLUDED
AS NEEDED.

LIGHTS
INCLUDE THE FOLLOWING STRUCTURES AS BLOCKS IN ADDITION TO THE ELECTRICAL
WIRE RUNS THAT CONNECT THEM:
LIGHT POLE CONTROL BOX

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☐ ISSUED FOR BID
☐ ISSUED FOR CONSTRUCTION

ROMEOVILLE SPECIFICATIONS

DESIGNED BY:	NCL
REVIEWED BY:	WHP
DATE:	11/11/2020
PRJ#:	5232-300-32-01

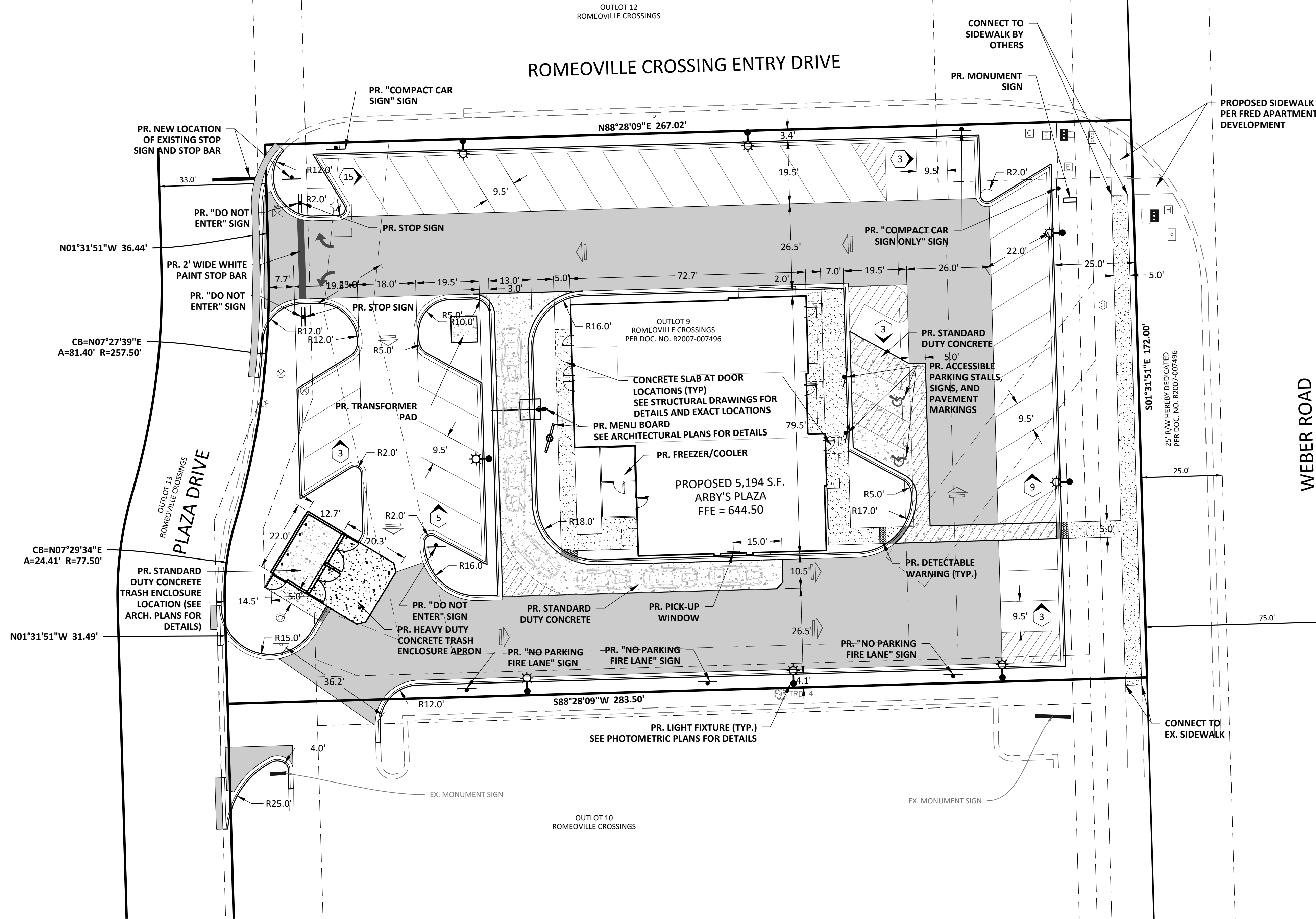
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C:\PROJECTS\5232 - Charles Vincent George Architects\300 - Arby's - Romeoville\31\DWG\5232-300-32-01.dwg; WCG; 19/5; natus January 22, 2021

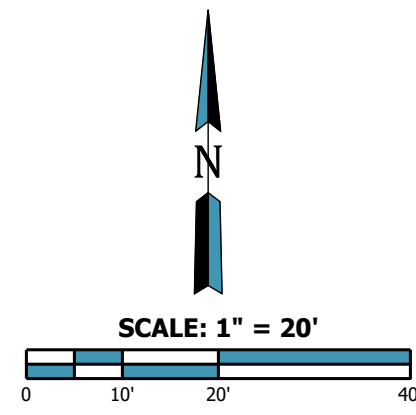


PAVEMENT KEY SYMBOL	
	STANDARD DUTY ASPHALT PAVEMENT
	HEAVY DUTY ASPHALT PAVEMENT
	HEAVY DUTY CONCRETE PAVEMENT
	STANDARD CONCRETE PAVEMENT
	CONCRETE SIDEWALK

SITE DATA:	
SITE AREA	= 47,145 SF
BUILDING AREA	= 5,194 SF
IMPERVIOUS AREA	= 36,808 SF (78%)
PERVIOUS AREA	= 10,149 SF (22%)
F.A.R.	= 0.11
PROPOSED PARKING STALLS	= 41 (INCLUDES ADA STALLS)

REQUIRED PARKING STALLS:	
1. RETAIL A (ARBY'S)	
1.1. CUSTOMER SEATING AREA = 634 SF	
1.2. RATIO OF 1 STALL / 50 SF	
1.3. 13 STALLS REQUIRED	
2. RETAIL B (WING STOP)	
2.1. CUSTOMER SEATING AREA = 454 SF	
2.2. RATIO OF 1 STALL / 50 SF	
2.3. 9 STALLS REQUIRED	
3. RETAIL C (VACANT)	
3.1. TOTAL AREA = 1,536 SF	
3.2. RATIO OF 1 STALL / 1,000 SF	
3.3. 6 STALLS REQUIRED	
TOTAL REQUIRED PARKING STALLS = 28 STALLS	

SITE NOTES:	
1. THE BASELINE FOR GEOMETRIC LAYOUT IS THE EASTERN PROPERTY LINE.	
2. ALL DIMENSIONS ARE TO THE BACK OF CURB, OUTSIDE FACE OF BUILDING, AND EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.	
3. SEE DETAILS ON SHEET C-10 FOR STRIPING COLORS.	
4. THREE (3) DRILLED AND GROUTED NO. 5 REINFORCING BARS OR EXPANSION TIE ANCHORS, 8" IN DIAMETER, SHALL BE USED TO TIE THE NEW CURB AND GUTTER TO THE EXISTING CURB AND GUTTER ON EACH SIDE.	
5. BOUNDARY INFORMATION PER SURVEY PREPARED BY V3 ENGINEERING DATED 10/18/2017.	



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MUNICIPAL/AGENCY APPROVAL STAMP

CHARLES VINCENT
GEORGE ARCHITECTS
1245 E. DIEHL ROAD, SUITE 101
NAPERVILLE, IL 60563



ARBY'S PLAZA
470-474 S WEBER ROAD
ROMEDEVILLE, ILLINOIS

GEOMETRIC PLAN

REVISION		NO.	DATE	DESCRIPTION	BY
1	12/18/2020	1	12/18/2020	PER VILLAGE REVIEW	NCL
2	01/22/2021	2	01/22/2021	PER VILLAGE REVIEW	NCL
DESIGNED BY: NCL					
REVIEWED BY: WHP					
DATE: 11/11/2020					
PRJ#: 5232-300-32-01					

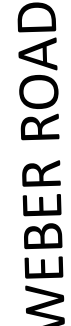
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NAPERVILLE, IL 60563



ARBY'S PLAZA
470-474 S WEBER ROAD
ROMEIOVILLE, ILLINOIS

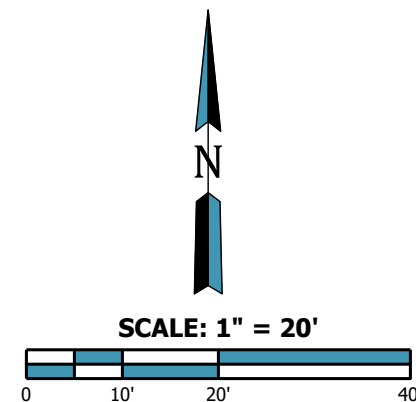
GRADING & STM WATER PLAN

Figure 1 consists of nine diagrams (a) through (i) illustrating wheelchair approach clearances to a door. Each diagram shows a side view of a wheelchair (36 inches wide) approaching a door (36 inches wide, 66 inches high). The diagrams are arranged in a 3x3 grid. Each diagram includes the text 'DIR. OF APPROACH' with an arrow indicating the direction of approach. (a) Front Approach Pull Side: Wheelchair approaches from the left, door opens to the right. Clearances: 6 inches from front wheel to door frame, 18 inches from back wheel to door frame. (b) Front Approach Push Side: Wheelchair approaches from the left, door opens to the left. Clearances: 6 inches from front wheel to door frame, 18 inches from back wheel to door frame. (c) Front Approach Push Side, Door Provided with Both Closes and Latch: Wheelchair approaches from the left, door opens to the left and has a latch. Clearances: 6 inches from front wheel to door frame, 18 inches from back wheel to door frame. (d) Hinge Approach Pull Side: Wheelchair approaches from the left, door opens to the right. Clearances: 6 inches from front wheel to door frame, 18 inches from back wheel to door frame. (e) Hinge Approach Push Side: Wheelchair approaches from the left, door opens to the left. Clearances: 6 inches from front wheel to door frame, 18 inches from back wheel to door frame. (f) Hinge Approach Push Side, Door Provided with Both Closes and Latch: Wheelchair approaches from the left, door opens to the left and has a latch. Clearances: 6 inches from front wheel to door frame, 18 inches from back wheel to door frame. (g) Latch Approach Pull Side: Wheelchair approaches from the left, door opens to the right. Clearances: 6 inches from front wheel to door frame, 18 inches from back wheel to door frame. (h) Latch Approach Push Side: Wheelchair approaches from the left, door opens to the left. Clearances: 6 inches from front wheel to door frame, 18 inches from back wheel to door frame. (i) Latch Approach Push Side, Door Provided with Both Closes and Latch: Wheelchair approaches from the left, door opens to the left and has a latch. Clearances: 6 inches from front wheel to door frame, 18 inches from back wheel to door frame.

1. SEE PLANS FOR APPLICABLE CONDITIONS

IAC ACCESSIBLE DOOR ENTRANCE MANEUVERING REQUIREMENTS 4.04.2.4.1

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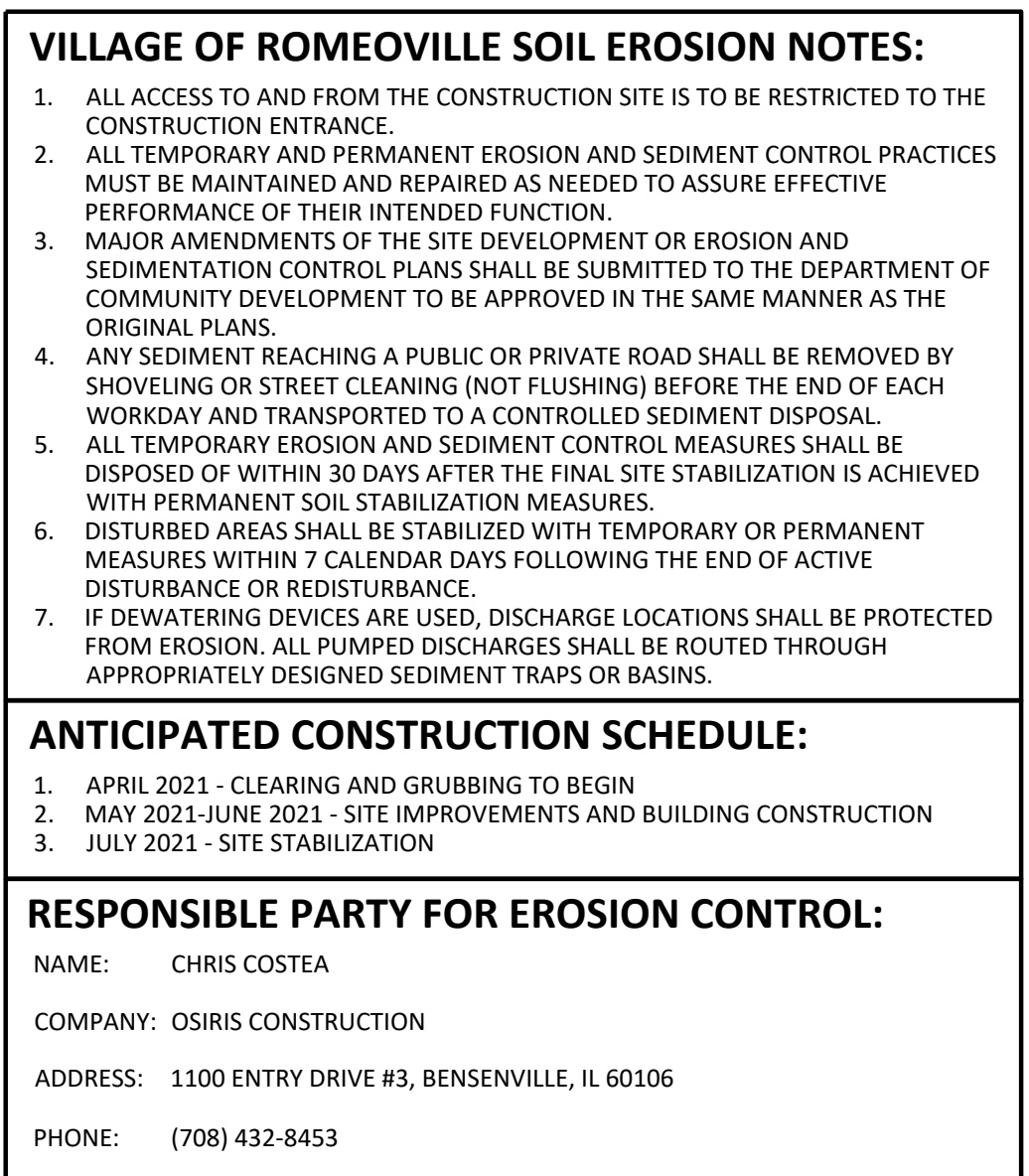
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ARBY'S PLAZA
470-474 S WEBER ROAD
ROMEIOVILLE, ILLINOIS

[illegible]

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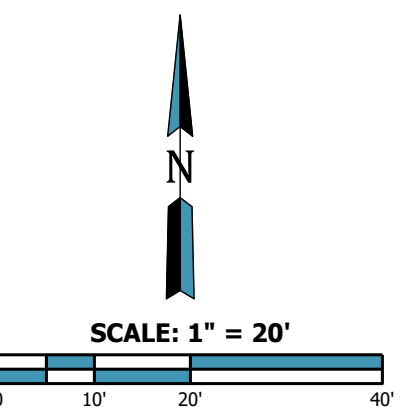


CIVIL ENGINEER'S CERTIFICATE

STATE OF ILLINOIS)
) SS
COUNTY OF WILL)

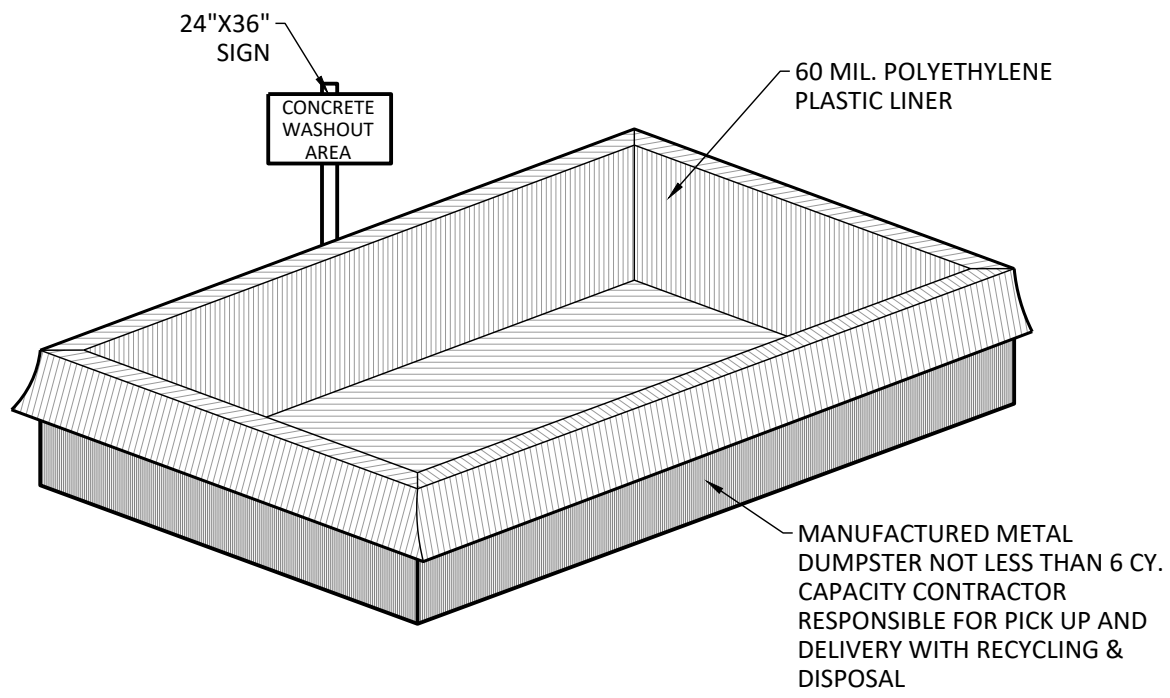
THIS EROSION CONTROL PLAN WAS PREPARED BY ME
OR UNDER MY DIRECT SUPERVISION AND COMPLIES
WITH THE URBAN SOIL EROSION CONTROL AND
STANDARDS IN ILLINOIS MANUAL (LATEST EDITION)
AND THE GENERALLY RECOGNIZED METHODS IN USE IN
THE AREA.

01/22/2021
DATE



PROJECT PHASE

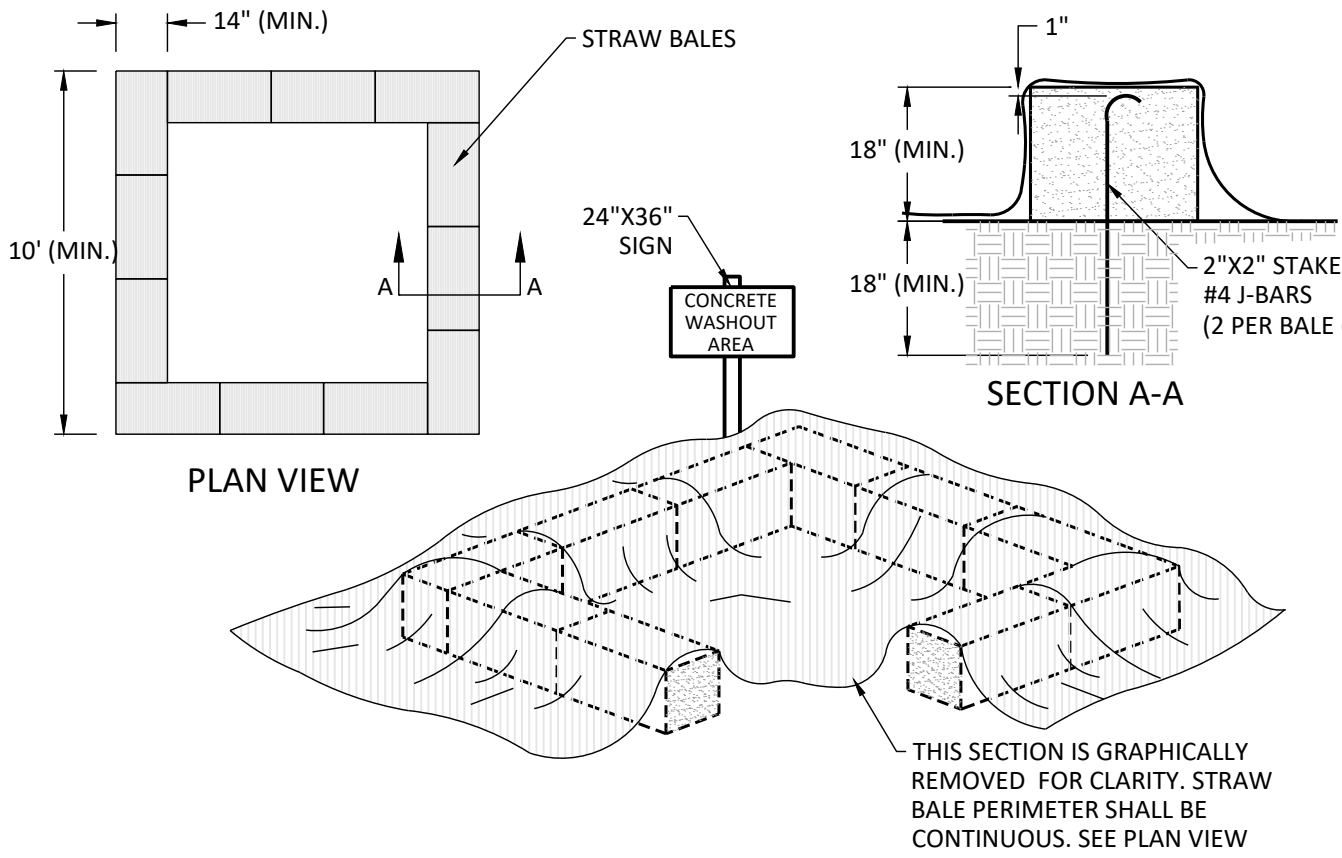
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1. FACE SIGN TOWARD NEAREST STREET OR ACCESS POINT.
2. CONCRETE WASHOUT SHALL BE LOCATED BEHIND THE CURB AND 50' (MIN.) FROM NEAREST DRAINAGE INLET OR WATER COURSE.

CONCRETE WASHOUT IN DUMPSTER - OPTION

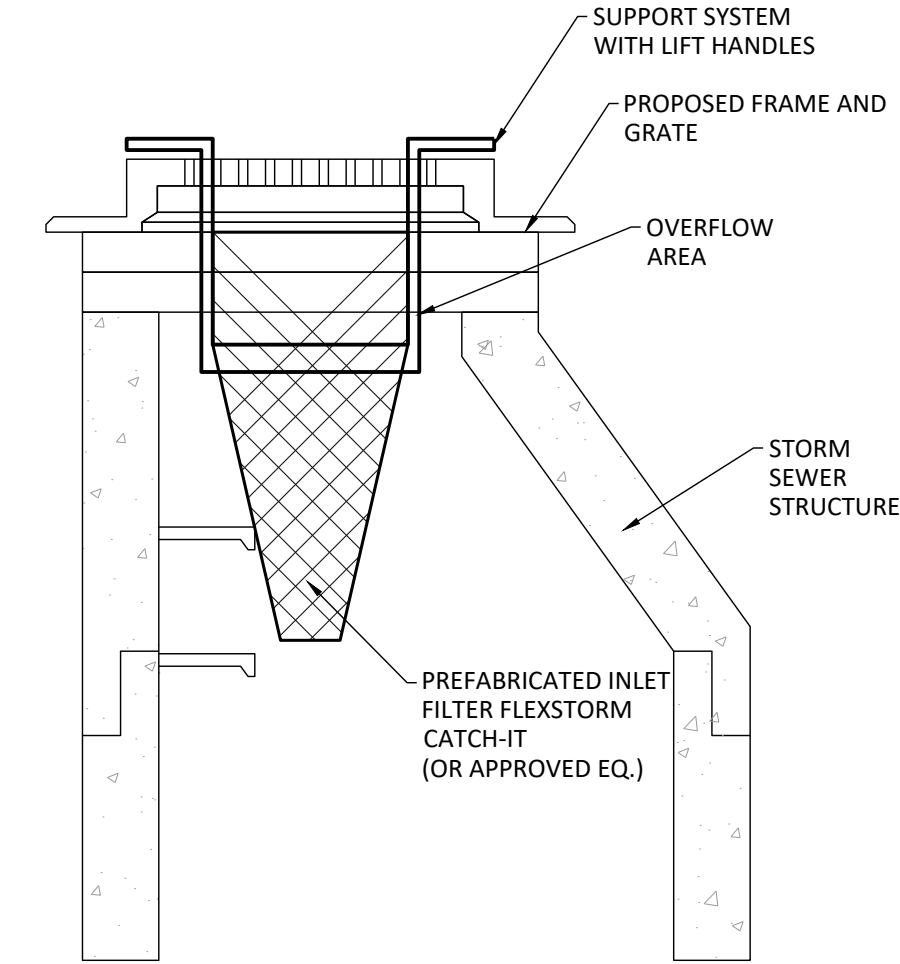
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2. CONCRETE WASHOUT SHALL BE LOCATED BEHIND THE CURB AND 50' (MIN.) FROM NEAREST DRAINAGE INLET OR WATER COURSE.

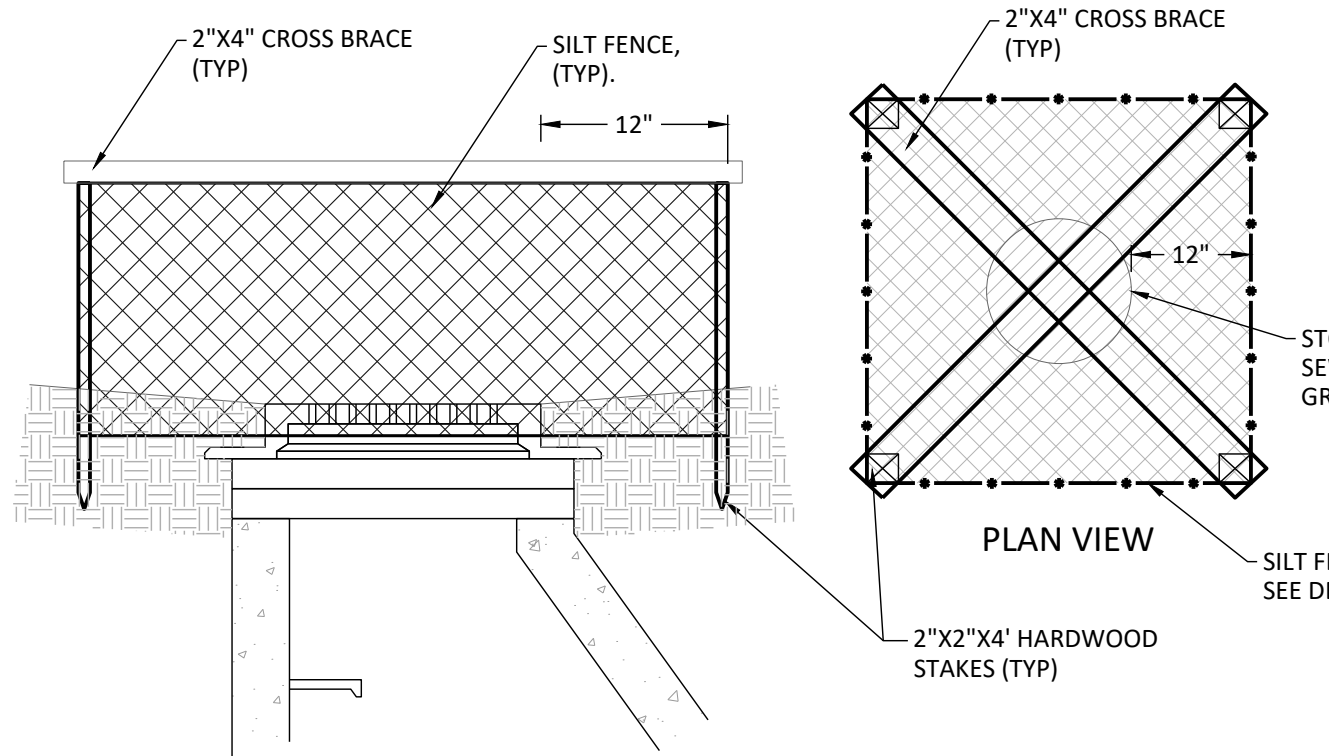
CONCRETE WASHOUT

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INLET FILTER PROTECTION - BASKET

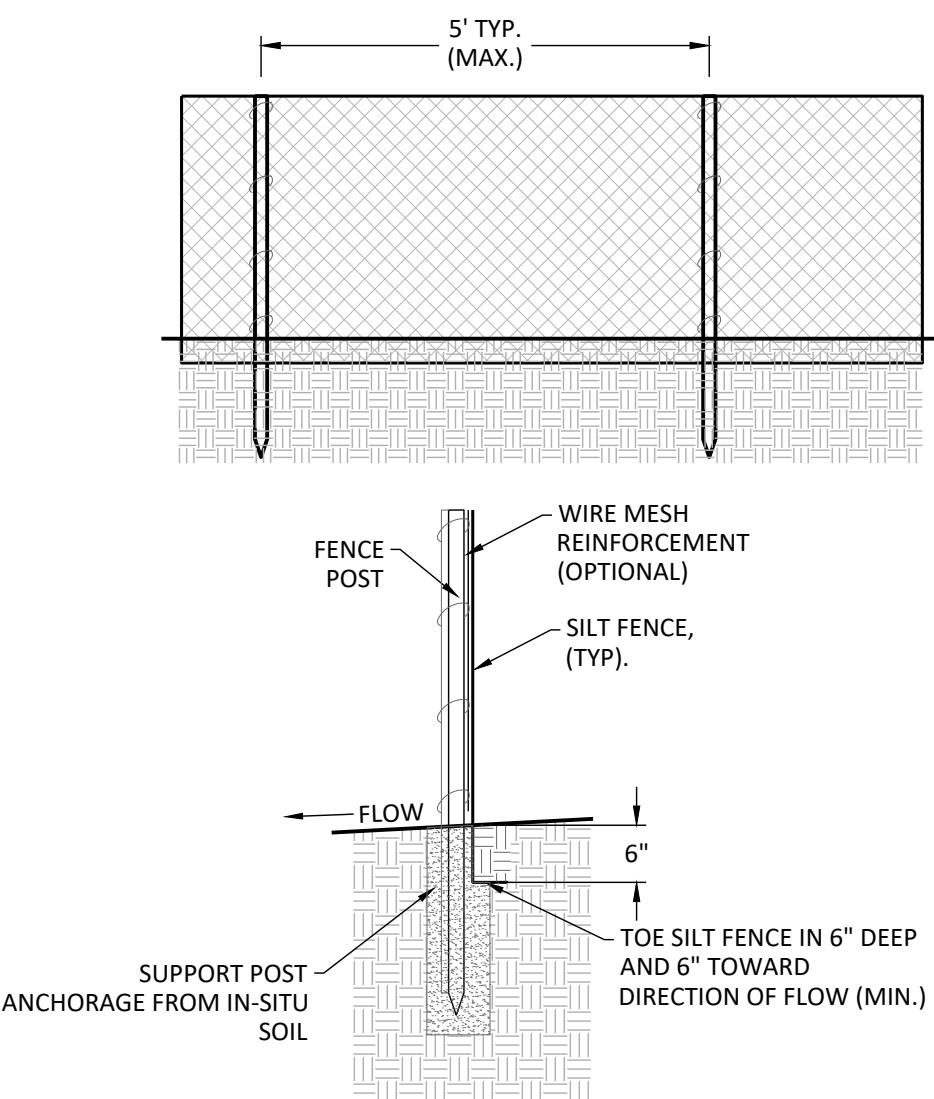
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1. 2\"/>
2. AREA INSIDE THE FENCE FROM EDGE OF FABRIC TO STRUCTURE, MUST BE STABILIZED WITH EROSION CONTROL BLANKET, TURF REINFORCEMENT MAT, GEOTEXTILE 592 TABLE 2 CLASS 2 OR CA-7 STONE.
3. MAX HEIGHT OF THE FABRIC ABOVE THE CREST OF THE INLET SHALL BE 30\"/>
4. STAKES SHALL BE 4\"/>
5. A MAINTENANCE SCHEDULE MUST MAINTAIN A SEDIMENT ACCUMULATION OF LESS THAN 50% OF THE HEIGHT OF THE MONOFILAMENT FABRIC.
6. MONOFILAMENT FABRIC SHALL MEET THE REQUIREMENT OF ASTM 592 GEOTEXTILE TABLE 1 CLASS 4.
7. MONOFILAMENT FABRIC SHALL BE SECURED TO EACH 2\"/>

INLET PROTECTION - BARRIER SILT FENCE

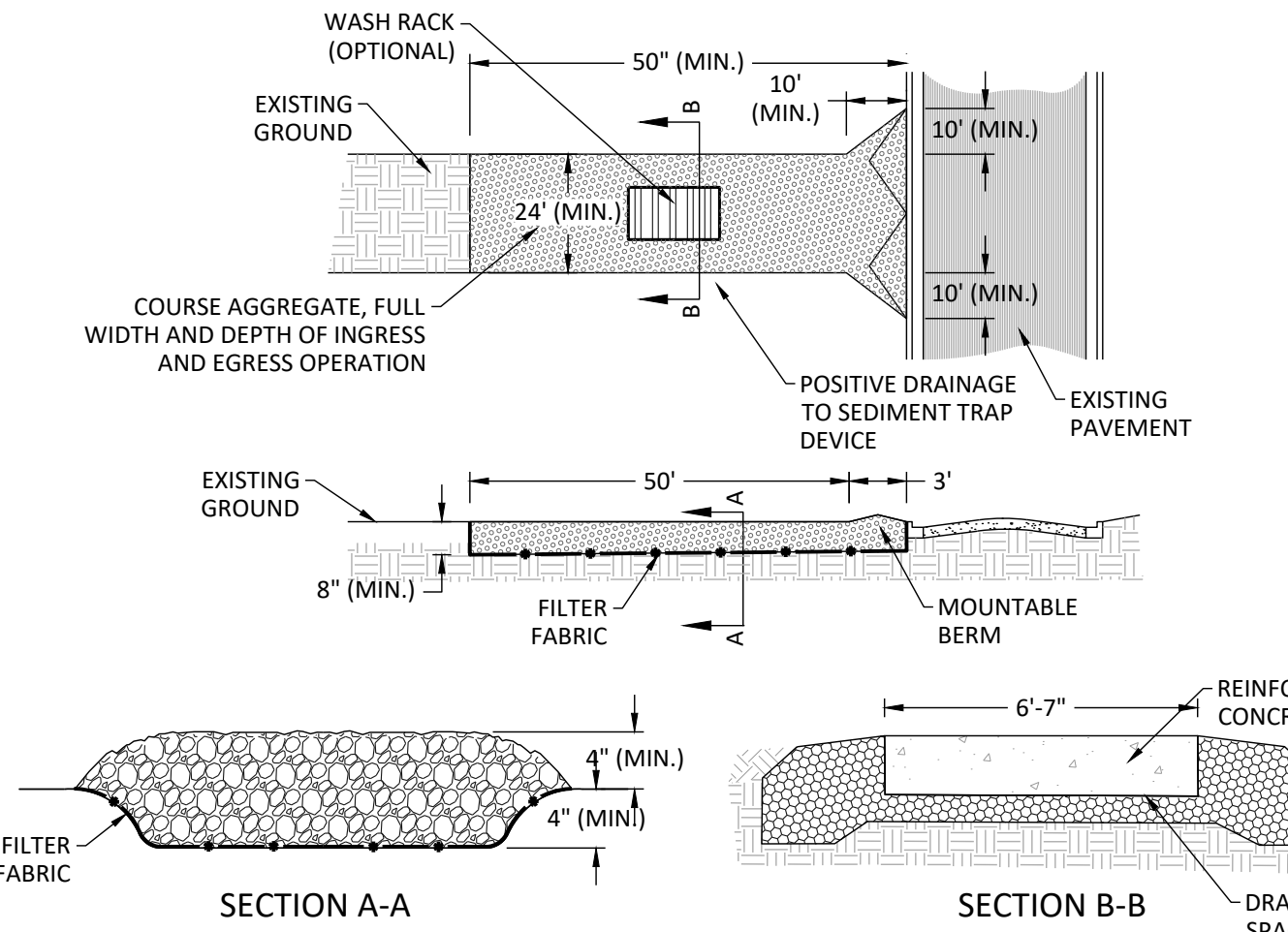
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1. FILTER FABRIC SHALL MEET GEOTEXTILE 592 TABLE 1 OR 2, CLASS 1 WITH EQUIVLENT OPENING SIZE OF AT LEAST 30 FOR NONWOVEN AND 40 FOR WOVEN.
2. FENCE POSTS SHALL BE EITHER STANDARD STEEL POST OR WOOD POSTS WITH A MINIMUM CROSS SECTION AREA OF 3 SQ. IN.

SILT FENCE

NOT TO SCALE



1. FILTER FABRIC SHALL MEET ASTM 592 GEOTEXTILE, TABLE 1 OR 2 FOR CLASS I, II, OR IV, AND SHALL BE PLACED OVER THE CLEARED AREA PRIOR TO PLACING STONE.
2. RECLAIMED CONCRETE OR COURSE AGGREGATE SHALL MEET EITHER IDOT GRADATION CA-1, CA-2, CA-3, OR CA-4 AND BE PLACED ACCORDING TO CONSTRUCTION SPECIFICATION 25 ROCKFILL USING PLACEMENT METHOD I OR CLASS III COMPACTION.
3. ANY DRAINAGE FACILITIES REQUIRED BECAUSE OF WASHING SHALL CONSTRUCTED ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
4. IF WASH RACKS ARE USED, THEY SHALL BE INSTALLED ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS.

TEMPORARY CONSTRUCTION ENTRANCE

NOT TO SCALE

SPECIFICATIONS - SOIL EROSION

1. **STANDARDS AND SPECIFICATIONS:** THE CURRENT EDITION OF THE "ILLINOIS URBAN MANUAL", ALL STATE AND FEDERAL REGULATIONS, AND THE NPDES (NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM) PERMIT PROVISIONS SHALL GOVERN THIS WORK.
2. **SWPPP INSPECTOR:** IF AN NPDES PERMIT IS REQUIRED FOR THE SITE, THE OWNER AND/OR CONTRACTOR SHALL APPOINT A QUALIFIED PERSON TO FULFILL THE INSPECTION REQUIREMENTS OF THE PERMIT (SWPPP INSPECTOR). THE SITE SHALL BE INSPECTED BY THE SWPPP INSPECTOR AT LEAST ONCE EVERY 7 CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 1/2" OR GREATER (OR EQUIVALENT SNOWFALL). SWPPP INSPECTIONS SHALL CONTINUE UNTIL FINAL STABILIZATION AND TERMINATION REQUIREMENTS OF THE SWPPP HAVE BEEN MET.
3. **SWPPP COMPLIANCE:** THE CONTRACTOR SHALL COMPLY WITH THE CONDITIONS OF THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND CONDITIONS DETERMINED BY THE SWPPP INSPECTOR WHILE CONDUCTING ACTIVITIES ON THIS PROJECT. THE SWPPP PLANS AND DOCUMENTS ARE PROVIDED FOR THE SOLE BENEFIT OF THE CONTRACTOR AS A PLANNING TOOL FOR COMPLYING WITH THE ENVIRONMENTAL REGULATIONS OF THIS PROJECT. THE CONTRACTOR TOGETHER WITH THE SWPPP INSPECTOR IS EXPECTED TO PROVIDE, EXPAND, SUBMIT AND MONITOR A FULL COMPREHENSIVE SWPPP BEYOND WHAT IS PROVIDED.
4. **CLEANING, REPAIR, AND MAINTENANCE:** THE CONTRACTOR SHALL REFER TO THE SWPPP FOR SEQUENCING OF CONSTRUCTION, INSTALLATION OF NEW EROSION CONTROL DEVICES AND CLEANING, REPAIR AND MAINTENANCE OF EXISTING EROSION CONTROL DEVICES. THE CONTRACTOR SHALL REVISE, RELOCATE AND/OR ADD DEVICES TO REFLECT ACTUAL SITE CONDITIONS AND TO ACCOMMODATE LOCATIONS FOR CONSTRUCTION TRAILER AREAS, STORAGE AREAS, FUELING AREAS, TOILETS, TRASH RECEPTACLES AND WASHOUT AREAS. ANY ACCIDENTAL RELEASE OF SEDIMENT OR POLLUTANTS FROM THE SITE SHALL BE CLEANED BY THE CONTRACTOR.
5. **LIMIT OF EXPOSURE:** TO THE EXTENT POSSIBLE, THE EXPOSED AREAS AND DURATION OF EXPOSURE SHALL BE KEPT TO A MINIMUM AND ALL AREAS WHERE CONSTRUCTION HAS STOPPED FOR 7 DAYS OR MORE MUST BE STABILIZED PER THE SWPPP.
6. **SILT FENCE:** AT A MINIMUM, CONTRACTOR SHALL INSTALL SILT FENCE AS SHOWN ON THE EROSION CONTROL PLANS. SILT FENCE SHALL ALSO BE INSTALLED AS NEEDED AND DIRECTED BY THE SWPPP INSPECTOR IN ORDER TO CONTROL SILT ON THE SITE. SEDIMENT SHALL BE REMOVED FROM BEHIND A SILT FENCE WHEN IT HAS REACHED ONE THIRD THE HEIGHT OF THE FENCE. TEARS SHALL BE REPAIRED AND/OR REPLACED IMMEDIATELY. WHEN A SILT FENCE HAS BROKEN FREE AND IS NO LONGER TOED INTO THE GROUND, IT SHALL BE REPAIRED AS SOON AS POSSIBLE.
7. **INLET FILTERS:** ALL STORMWATER INLETS AND CATCH BASINS WITH AN OPEN LID ARE TO BE PROTECTED WITH AN INLET FILTER PER THE DETAIL. ALL INLET FILTERS ARE TO BE INSPECTED PERIODICALLY TO DETERMINE IF THEY ARE WORKING PROPERLY. FILTERS SHALL BE CLEANED WHEN ONE HALF OF THE FILTER HAS BEEN FILLED WITH SILT AND/OR DEBRIS.
8. **CONCRETE WASHOUT:** CONTRACTOR SHALL SUPPLY A CONCRETE WASHOUT AREA PER THE DETAILS AND DIRECT ALL CONCRETE TRUCKS TO USE IT PRIOR TO LEAVING THE SITE. CONCRETE WASHOUT SHALL BE MAINTAINED AS NEEDED TO KEEP FROM SPILLING OUT ON THE DIRT.
9. **CONSTRUCTION ENTRANCE:** CONTRACTOR SHALL PROVIDE A TEMPORARY CONSTRUCTION ENTRANCE PER THE DETAILS AND IN THE LOCATION SHOWN ON THE PLANS. IF ADDITIONAL ENTRANCES ARE REQUESTED, PLEASE CONTACT THEN ENGINEER AND/OR THE AGENCY HAVING JURISDICTION OVER THE ROADWAY FOR APPROVAL. ENTRANCE SHALL BE MAINTAINED TO ALLOW DIRT TO FALL OFF VEHICLES BEFORE ENTERING THE ROADWAY.
10. **STOCKPILES:** ALL TEMPORARY STOCKPILES SHALL BE SURROUNDED BY SILT FENCE. IF TOPSOIL STOCKPILE REMAINS UNDISTURBED FOR MORE THAN SEVEN DAYS, TEMPORARY SEEDING AND STABILIZATION IS REQUIRED.
11. **SILT TRAPS:** SILT TRAPS SHALL BE INSTALLED TO CATCH SILT LADEN WATER BEFORE ENTERING PROTECTED AREAS. SILT TRAPS SHALL BE EMPTIED WHEN THEY REACH ONE HALF OF THE CAPACITY OF THE TRAP.
12. **DUST MANAGEMENT:** DURING PERIODS OF EXTENDED DRY WEATHER, THE CONTRACTOR SHALL MAINTAIN A WATER TRUCK ON THE SITE FOR WATERING DOWN THE SOIL TO PREVENT WIND EROSION (DUST).
13. **DEWATERING:** DURING DEWATERING OPERATIONS, WATER WILL BE PUMPED INTO A DANDY BAG, SEDIMENT BASINS OR SILT TRAPS. DEWATERING DIRECTLY INTO FIELD TILES OR STORMWATER STRUCTURES IS PROHIBITED.
14. **SITE ENTRY/EXIT LOCATIONS:** SITE ENTRY AND EXIT LOCATIONS SHALL BE MAINTAINED BY THE CONTRACTOR IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC ROADWAYS. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC ROADWAYS MUST BE REMOVED IMMEDIATELY. CONTRACTOR SHALL EMPLOY A STREET CLEANER TO USE AS OFTEN AS NEEDED AS DETERMINED BY THE MUNICIPAL ENGINEER AND/OR SWPPP INSPECTOR. WHEN WASHING OF VEHICLES IS REQUIRED TO REMOVE SEDIMENT PRIOR TO ENTRANCE TO A PUBLIC ROADWAY, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WHICH DRAINS INTO AN APPROVED SEDIMENT BASIN. ALL FINES IMPOSED FOR TRACKING ONTO PUBLIC ROADS SHALL BE PAID BY THE CONTRACTOR.
15. **PROTECTION OF ADJACENT PROPERTY:** CONTRACTOR SHALL ASSUME FULL LIABILITY FOR DAMAGE TO ADJACENT PROPERTIES AND/OR PUBLIC RIGHT-OF-WAY RESULTING FROM FAILURE TO FULLY IMPLEMENT AND EXECUTE ALL EROSION CONTROL METHODS AND PROCEDURES SHOWN AND NOTED ON THE PLANS AND SWPPP.
16. **RE-VEGETATION:** AT THE COMPLETION OF PAVING AND FINAL GRADING OPERATIONS, ALL DISTURBED AREAS SHALL BE VEGETATED IN ACCORDANCE WITH THE LANDSCAPE PLANS. IN AREAS NOT COVERED BY LANDSCAPE PLAN, THE CONTRACTOR SHALL PROVIDE HYDROMULCH SEEDING AND/OR SODDING FOR ALL DISTURBED AREAS (NOT DESIGNATED TO BE PAVED) IN ACCORDANCE WITH ALL GOVERNING AUTHORITIES' SPECIFICATIONS.
17. **ESTABLISHED VEGETATION:** CONTRACTOR IS TO REGULARLY INSPECT SEEDER AREAS TO VERIFY THAT A GOOD STAND OF VEGETATION IS "ESTABLISHED". VEGETATION WILL NOT BE CONSIDERED "ESTABLISHED" UNTIL 100% OF THE SOIL SURFACE IS UNIFORMLY COVERED WITH PERMANENT VEGETATION WITH A DENSITY OF 70% OR GREATER. CONTRACTOR SHALL FERTILIZE, WATER, RE-SEED AND MULCH AS NEEDED.
18. **EROSION CONTROL PRODUCT REMOVAL:** THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL SEDIMENT BARRIERS AND INLET PROTECTION AFTER VEGETATION HAS BEEN COMPLETED AND ALL AREAS OF THE SITE HAVE BEEN STABILIZED AND ACCEPTED BY THE GOVERNING AUTHORITIES AND THE DEVELOPER.

DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
TEMPORARY SEEDING				21ST						30TH		
OAT COVER CROP (90 LBS./AC.) (NOTE 2)				1ST			4TH					
WHEAT COVER CROP (90 LBS./ AC.) (NOTE 2)				1ST					30TH			
ANNUAL RYE COVER CROP (90 LBS. AC.) (NOTE 2)				1ST					30TH			

NOTE 1: CONTRACTOR TO COORDINATE WITH GROWER/ SUPPLIER TO ENSURE AVAILABILITY.
NOTE 2: COVER CROPS AS SHOWN MAY BE SUPERCEDED IN NATIVE SEED AREAS. SEE SPECIFICATION FOR NATIVE AREAS FOR SPECIFIC APPLICATIONS.

CONSTRUCTION SEQUENCE

1. MOBILIZE TO THE SITE.
2. INSTALL SOIL EROSION CONTROL MEASURES.
3. CONSTRUCT A TEMPORARY CONSTRUCTION ENTRANCE/ EXIT.
4. TOPSOIL STRIPPING AND STOCKPILING. PROVIDE TEMPORARY SEEDING ON STOCKPILES AND ALL OTHER AREAS OF THE SITE THAT WILL REMAIN UNDISTURBED FOR 30 DAYS OR MORE. REFER TO LANDSCAPE PLAN FOR SEEDING.
5. MASS GRADING OF DISTURBED SITE.
6. INSTALLATION OF BUILDING FOUNDATIONS.
7. INSTALLATION OF ALL UNDERGROUND UTILITIES.
8. INSPECT SOIL EROSION CONTROL MEASURES AND MAINTAIN OR REPLACE AS NECESSARY.
9. INSTALLATION OF PARKING LOT SUB-BASE MATERIAL.
10. INSTALLATION OF PARKING LOT BASE COURSE
11. INSTALLATION OF PERMANENT SOIL STABILIZATION MEASURES AND RE-SPREAD TOPSOIL.
12. INSTALLATION OF PARKING LOT SURFACE COURSE MATERIALS.
13. INSTALLATION OF LANDSCAPE.
14. REMOVE TEMPORARY SOIL EROSION CONTROL MEASURES AFTER FINAL SOIL STABILIZATION MEASURES AND THE ESTABLISHMENT OF ADEQUATE VEGETATIVE COVER.
15. ALL STORM SEWERS, CATCH BASINS, PAVEMENT SURFACES AND/ OR DETENTION FACILITIES ARE TO BE CLEANED PRIOR TO FINAL INSPECTION.
16. ALL MAINTENANCE OF THE EROSION CONTROL MEASURES ARE THE RESPONSIBILITY OF THE CONTRACTOR.
1. CONTRACTOR IS RESPONSIBLE TO VERIFY AND ADJUST THE SEQUENCE OF OPERATION IF NECESSARY.
2. SEE LANDSCAPE PLAN FOR PLANTING DETAILS, SOIL PREPARATION, AMENDMENTS, PLANT LISTS, LANDSCAPE SPECIFICATIONS.
3. TEMPORARY SEED SHALL CONFORM TO THE "INDIANA HANDBOOK FOR EROSION CONTROL IN DEVELOPING AREAS" FOR ALL AREAS TO BE DISTURBED AREAS LESS THAN A YEAR OR BARREN AREAS THAT NEED TO BE STABILIZED.
4. CONTRACTOR TO UTILIZE MULCH FOR SEED PROTECTION, SOIL PROTECTION, DUST CONTROL, OR STABILIZATION AS NEEDED AND FOR WHEN SEEDING CANNOT BE PERFORMED.

TEMPORARY SEEDING TABLE AND CONSTRUCTION SEQUENCE

NOT TO SCALE

MUNICIPAL/AGENCY APPROVAL STAMP

CHARLES VINCENT
GEORGE ARCHITECTS
1245 E. DIEHL ROAD, SUITE 101
NAPERVILLE, IL 60563



ARBY'S PLAZA
470-474 S WEBER ROAD
ROMEDEVILLE, ILLINOIS

SOIL EROSION DETAILS & SPECS

NO.	DATE	REVISION DESCRIPTION	BY
1	12/18/2020	PER VILLAGE REVIEW	NCL
2	01/22/2021	PER VILLAGE REVIEW	NCL
DESIGNED BY:	NCL		
REVIEWED BY:	WHP		
DATE:	11/11/2020		
PRJ#:	5232-300-32-01		



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SHEET #:
C-8

Diagram illustrating the connection between an existing road and a proposed road or driveway, showing various joint types and dimensions.

EXISTING ROAD

PROPOSED ROAD OR DRIVEWAY CONNECTION

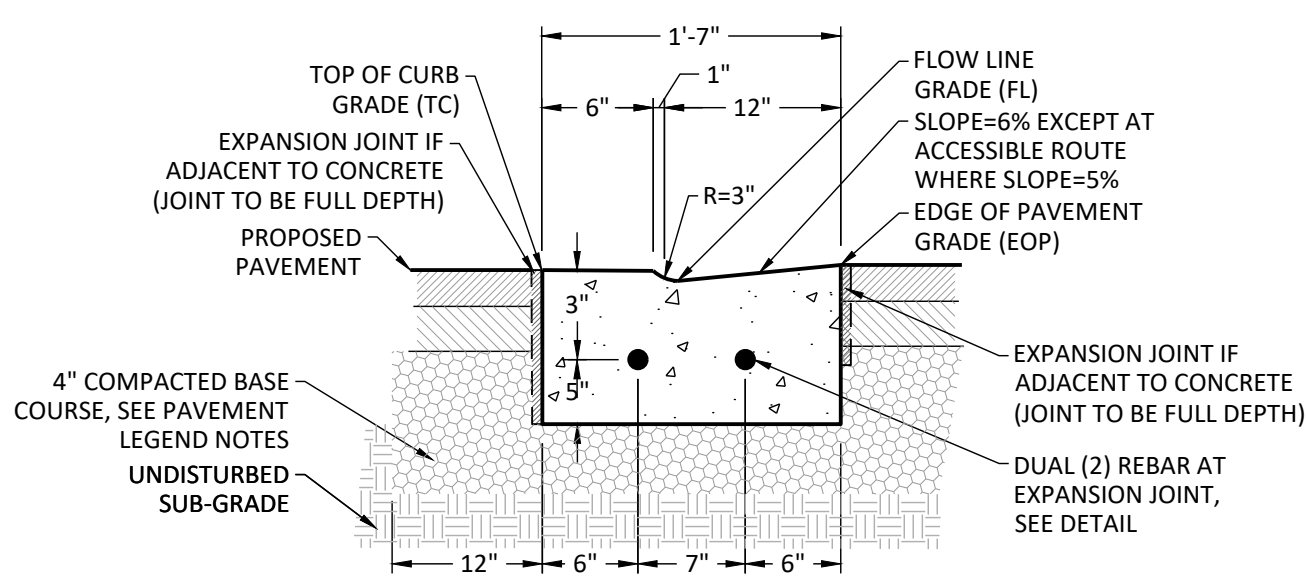
Labels and dimensions:

- 10' (MIN.)
- SAWCUT CONTACT JOINT
- SAWCUT EXISTING CURB, PROVIDE EXPANSION JOINT
- EXISTING CURB AND GUTTER TO REMAIN
- SEE PLANS FOR RADIUS AND LOCATIONS
- MAINTAIN FLOW LINE ALONG DEPRESSED FACE OF CURB
- OPTIONAL JOINT LINE
- EXPANSION JOINT
- DEPRESSED BACK OF CURB

1. CONTRACTOR TO ACQUIRE ALL DRIVEWAY PERMITS AS NEEDED
2. CONTRACTOR TO VERIFY FINAL LOCATION WITH PLANS.

DRIVEWAY - CURB TRANSITIONS

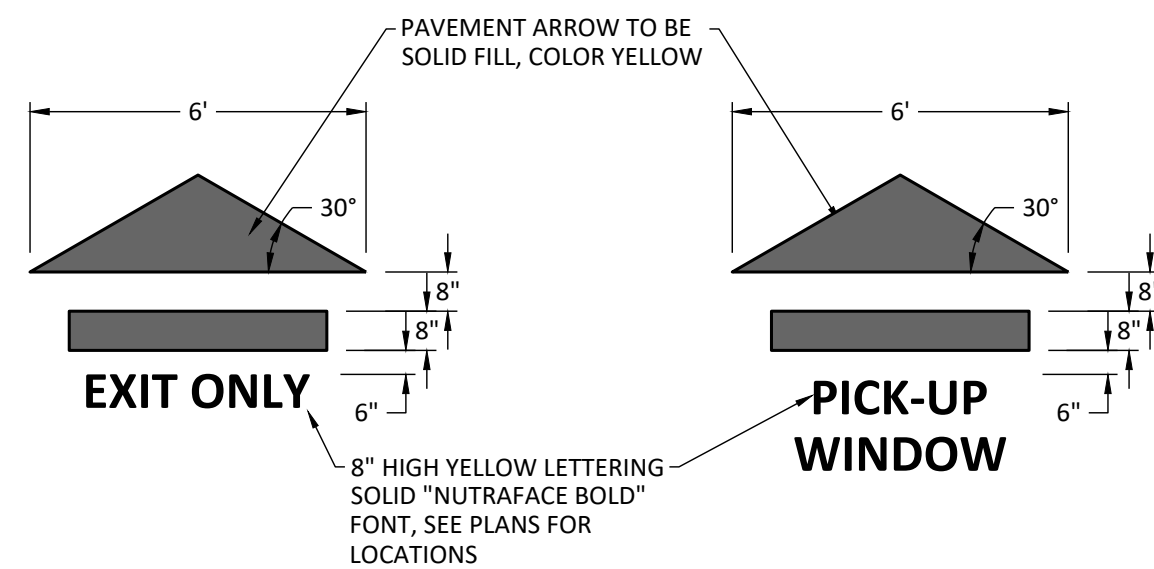
NOT TO SCALE



1. USE REVERSED PITCH GUTTERS WHERE WATER IS DIVERTED AWAY FROM CURB AND STANDARD PITCH GUTTERS WHERE WATER DRAINS TOWARD CURB.
2. LONGITUDINAL SLOPE SHALL BE 0.30% SLOPE MIN.
3. PROVIDE EXPANSION JOINTS AT ALL POINT OF CURVATURE, AT 10' ON EITHER SIDE OF UTILITY TIE-INS OR STRUCTURES AND AT A DISTANCE NOT TO EXCEED 50'.
4. PROVIDE HAND TOoled CONTRACTION JOINTS IN BETWEEN EXPANSION JOINTS AT DISTANCES NOT TO EXCEED 20'.
5. PROVIDE LIGHT BROOM FINISH IN DIRECTION OF FLOW.
6. FIBER BARR SHALL BE EXCLUDED AT ACCESSIBLE RAMPS

COMBINATION CONCRETE CURB AND GUTTER - DEPRESSED

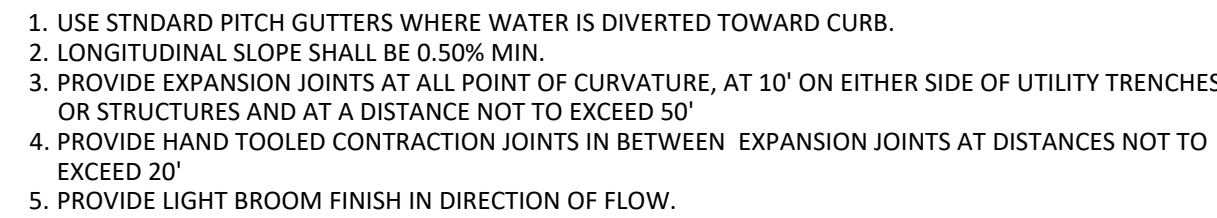
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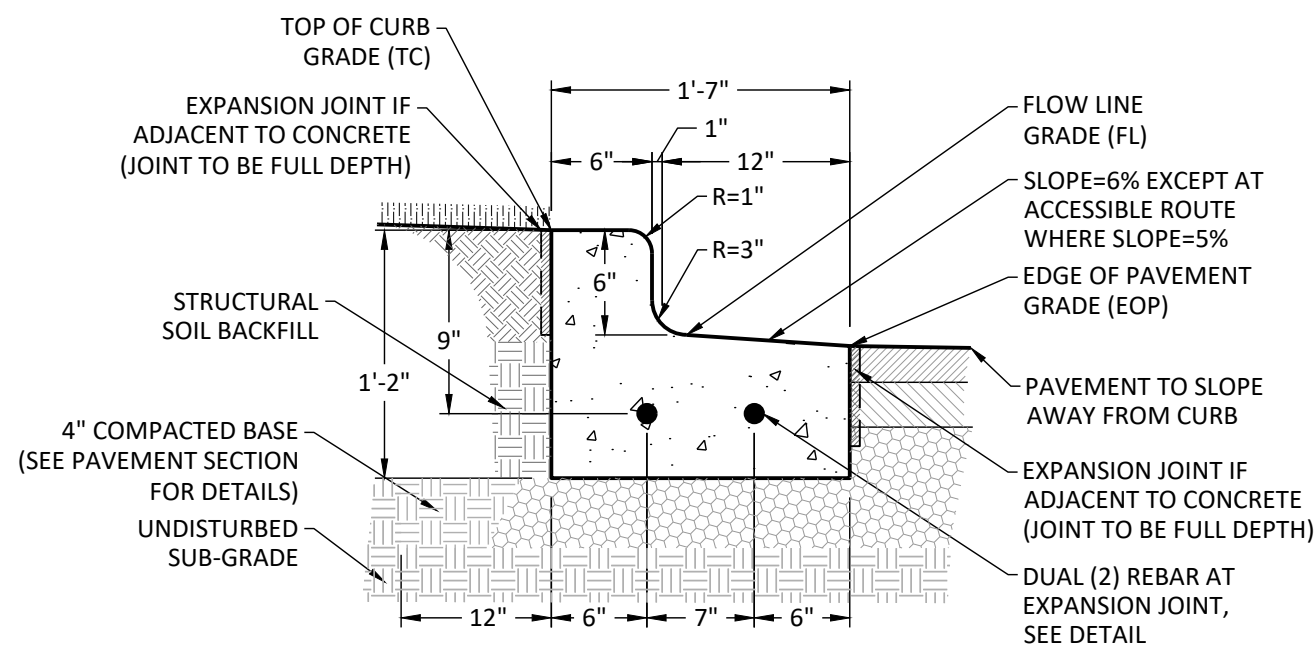
1. USE ONLY PAINT APPROVED FOR PAVEMENT USE

DIRECTIONAL PAVEMENT ARROWS

NOT TO SCALE

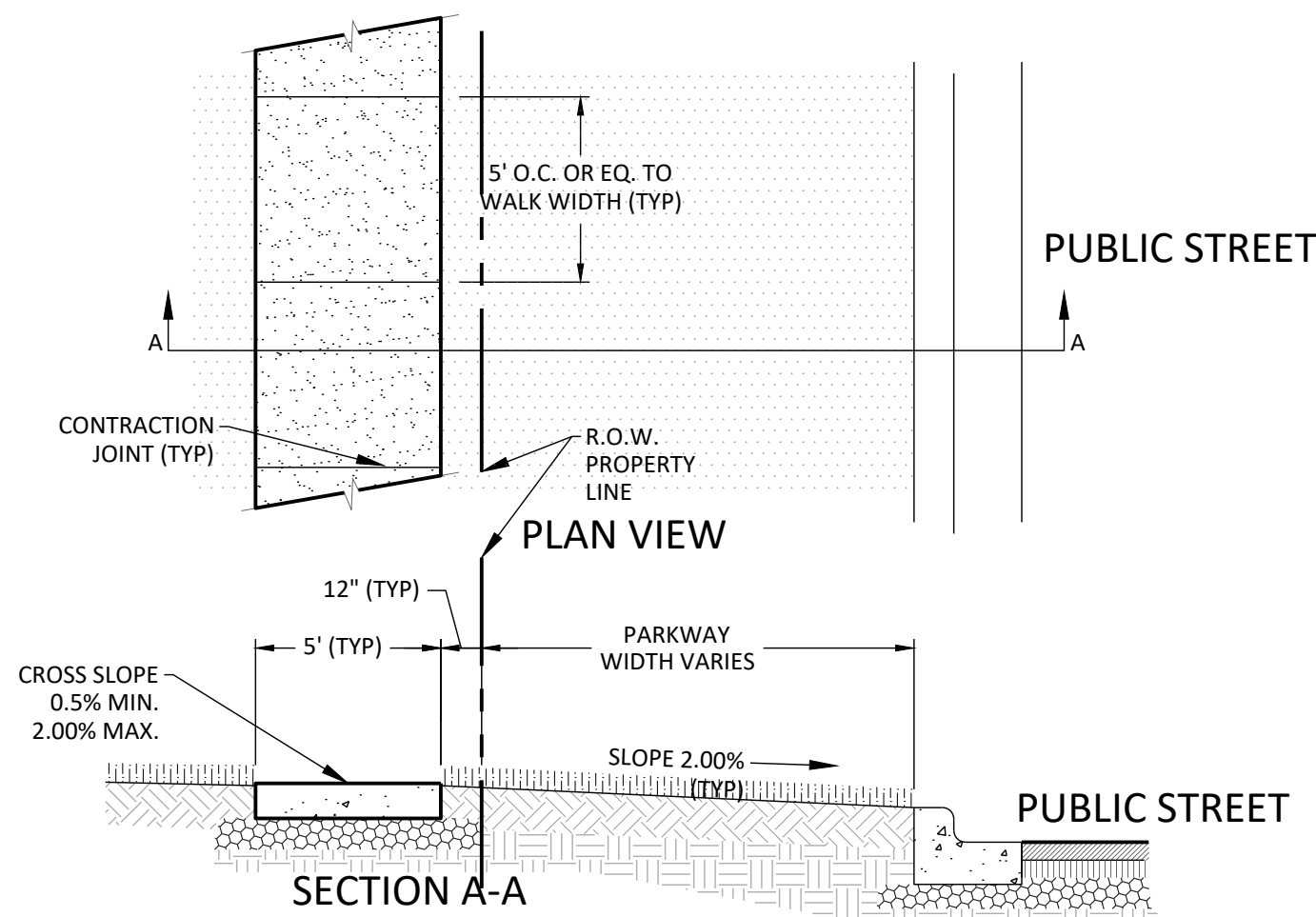


NOT TO SCALE



1. USE REVERSED PITCH GUTTERS WHERE WATER IS DIVERTED AWAY FROM CURB.
2. PROVIDE EXPANSION JOINTS AT ALL POINT OF CURVATURE, AT 10' ON EITHER SIDE OF UTILITY TRENCHES OR STRUCTURES AND AT A DISTANCE NOT TO EXCEED 50'
3. PROVIDE HAND TOOLED CONTRACTION JOINTS IN BETWEEN EXPANSION JOINTS AT DISTANCES NOT TO EXCEED 20'
4. PROVIDE LIGHT BROOM FINISH IN DIRECTION OF FLOW.

NOT TO SCALE



1. AREAS WITHIN 10' OF A DRIVEWAY APPROACH (PROPOSED OR FUTURE) SHALL BE CONSTRUCTED PER CONCRETE APRON CROSS SECTIONS SEE PAVEMENT SECTIONS DETAIL.
2. SIDEWALK INTERSECTIONS SHALL BE CAST MONOLITHICALLY WITH JOINT LINES PLACED PERPENDICULAR TO THE PATH.
3. PROVIDE EXPANSION JOINTS AT 50' O.C. INTERVALS.
4. PROVIDE CONTRACTION JOINTS 5' O.C. OR SHALL BE EQUAL TO THE WALK WIDTH (TYP).
5. WHERE CONNECTION TO EXISTING CONCRETE WALKS, CONTRACTOR SHALL SAWCUT AT THE NEAREST JOINT (TYP).

- ## CALIFORNIA FINISH CONCRETE

NOT TO SCALE



PROJECT DETAILS 1

NO.	DATE	REVISION DESCRIPTION	BY
1	12/18/2020	PER VILLAGE REVIEW	NCL
2	01/22/201	PER VILLAGE REVIEW	NCL

DESIGNED BY: --- ARB

DATE: 11/11/2020

PRJ#: 5232-300-32-01



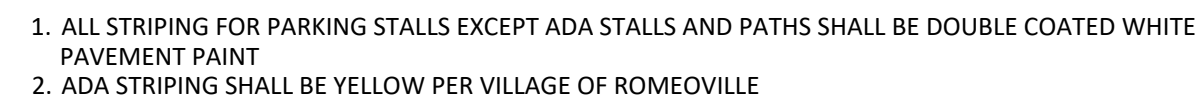
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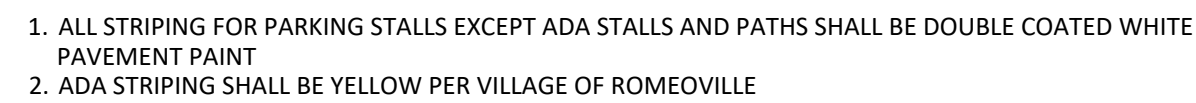
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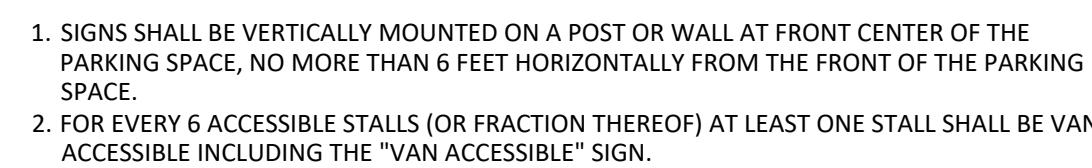
C-9



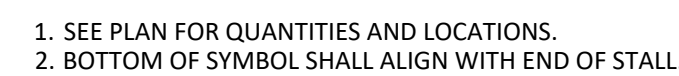
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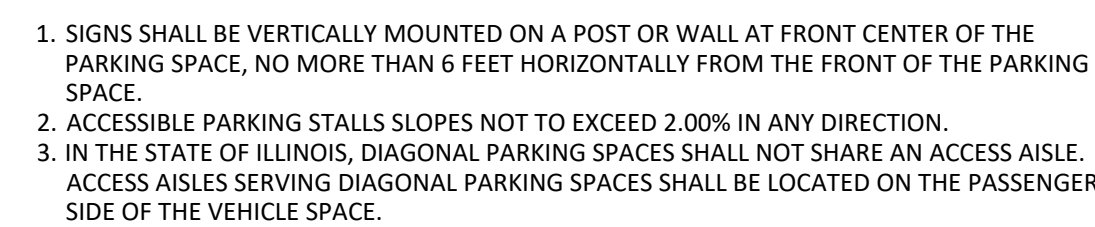
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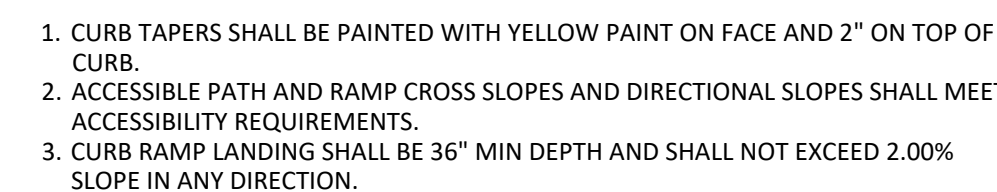
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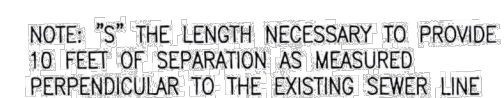
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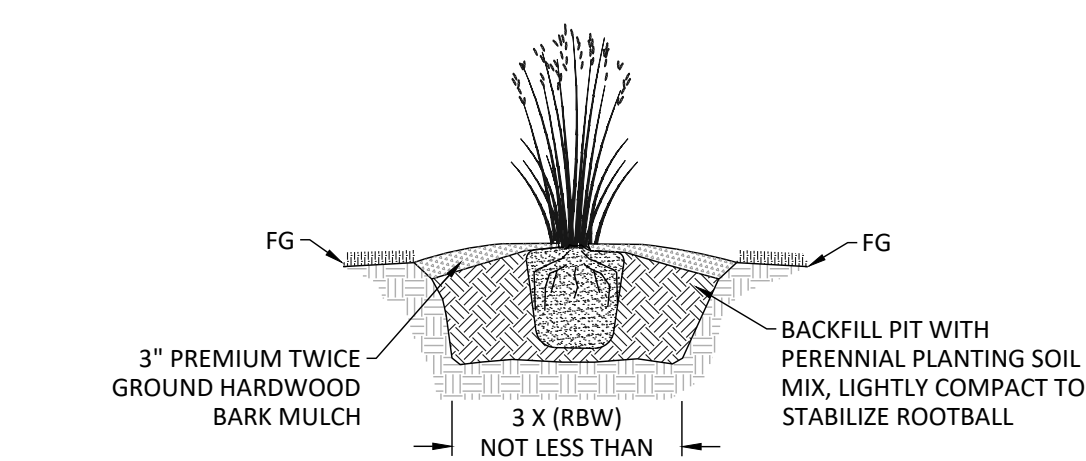
NOTE: COMPACTION REQUIREMENTS REFER TO ARTICLE 20-4



GUIDELINES

1. OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF WATER MAIN AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT THE LENGTH OF "L".
2. IF SELECT GRANULAR BACKFILL EXISTS, REMOVE WITHIN WIDTH OF EXISTING SEWER LINE TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT.
3. PROVIDE ADEQUATE SUPPORT FOR EXISTING SEWER LINE TO PREVENT DAMAGE DUE TO SETTLEMENT.
4. USE "L" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED WATER MAIN AND SEAL ENDS OF CASING.

WATER AND SEWER SEPARATION REQUIREMENTS



1. ENSURE POSITIVE DRAINAGE AWAY FROM PERENNIALS AND ORNAMENTAL GRASSES.
 2. CONTRACTOR TO ENSURE ALL CONTAINER GROWN PLANTS ARE NOT ROOT BOUND.
 3. GENTLY SCARIFY EXTERIOR OF ROOTBALL.
 4. PERENNIAL BEDS SHALL BE TILLED TO A DEPTH OF 10" EXCEPT UNDER EXISTING TREES.
 5. UNDER EXISTING TREES, CONTRACTOR TO DIG STAND ALONE PLANTINGS IN NATIVE SOILS.
- CONTRACTOR TO FIELD ADJUST IF LARGE ROOTS ARE ENCOUNTERED.

NOT TO SCALE



1. ALL SOIL AMENDMENTS SHALL BE TILLED INTO EXISTING TOPSOIL TO ACHIEVE FULL GROWING MEDIA DEPTH
2. * MIDWEST TRADING HORTICULTURAL SUPPLIES (OR EQUAL) 630-365-1990

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PROJECT:

NEW GROUND-UP CONSTRUCTION

470-474 S. WEBER ROAD

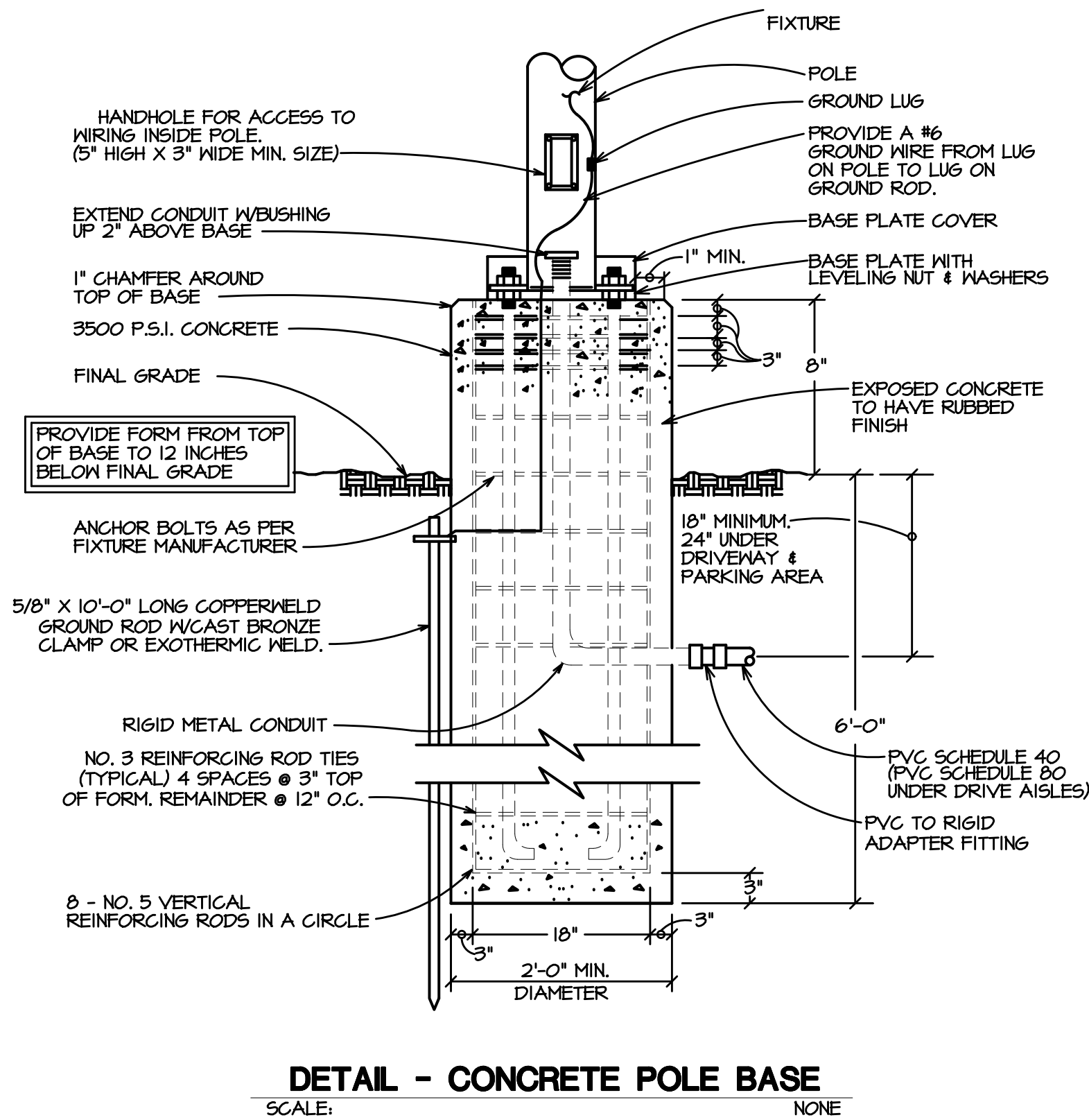
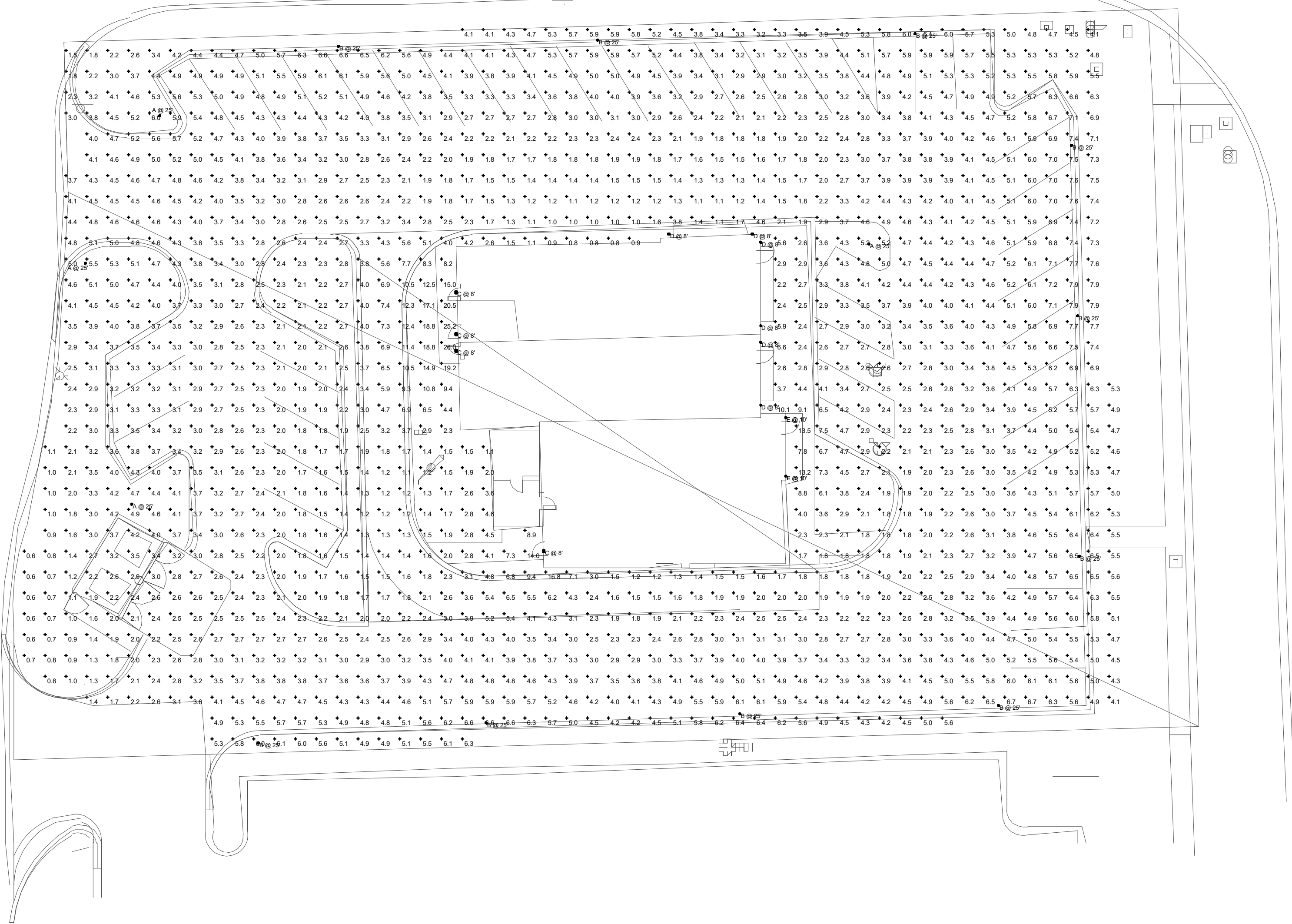
ROMEIOVILLE CROSSINGS OUTLOT 9

ROMEIOVILLE, IL

TITLE:
ELECTRICAL
PHOTOMETRIC PLAN

DATE: 10/01/2020		PROJECT # 2002359M	
PRINCIPAL: STT		SHEET: EPH1.1	
PROJECT MGR: LMB	DRAWN BY: DR		
(DRAWING FILE PATH): M/2017/DRAWINGS/GI COVER SHEET & PROJECT INFORMATION/2019			

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
BUILDING AREA	+	3.8 fc	26.0 fc	0.6 fc	43.3:1	6.3:1



DETAIL - CONCRETE POLE BASE
SCALE: _____ NON



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VICINITY MAP (NOT TO SCALE)



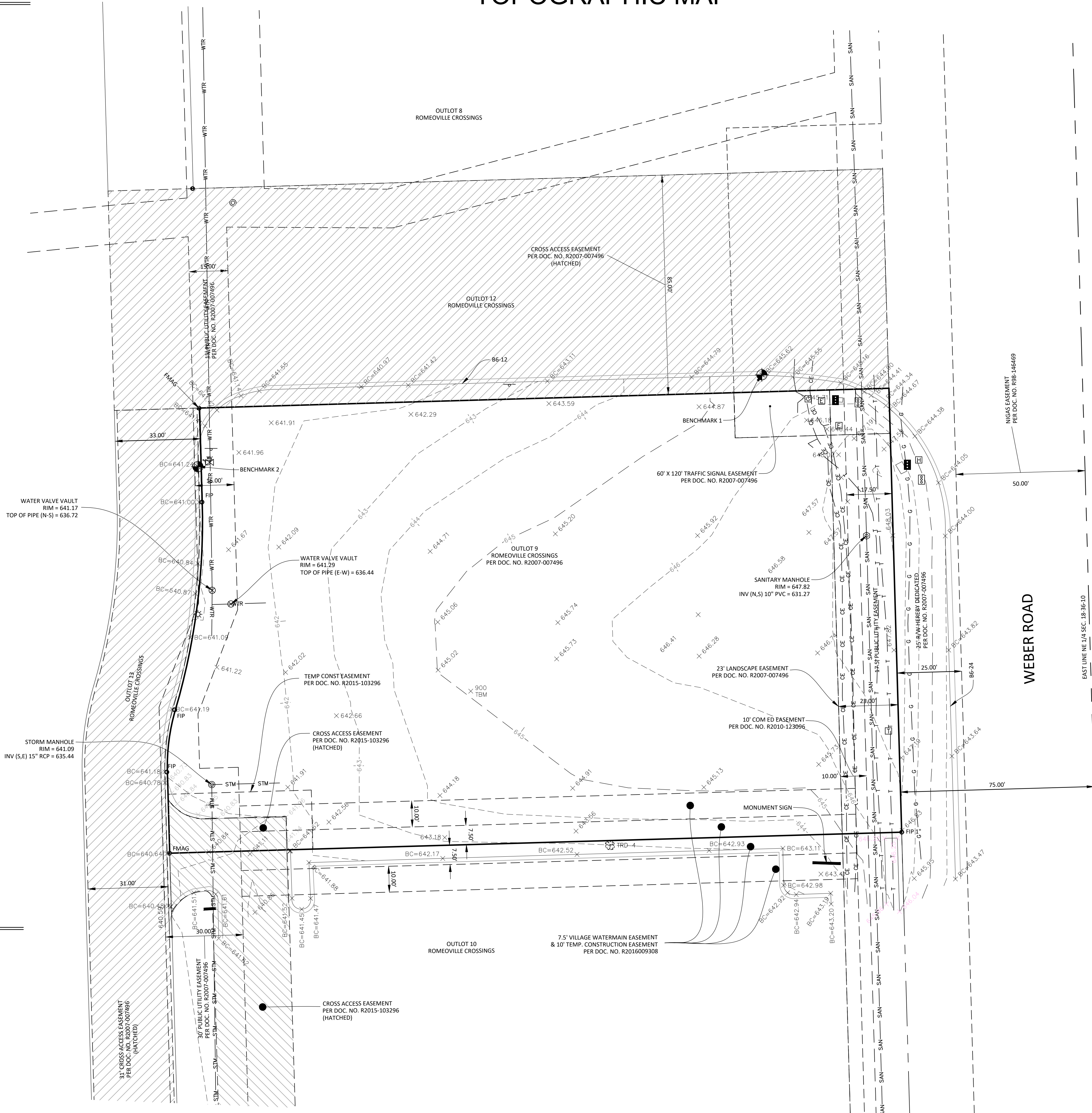
TOPOGRAPHIC MAP

LEGEND

- SANITARY MANHOLE
- STORM MANHOLE
- CATCH BASIN
- VALVE VAULT
- FIRE HYDRANT
- WATER VALVE
- ELECTRIC PEDESTAL/METER
- LIGHT POLE
- TRAFFIC SIGNAL W/MAST ARM
- TRAFFIC SIGNAL
- TRAFFIC VAULT
- TRAFFIC CONTROL PEDESTAL
- TELEPHONE PEDESTAL
- CABLE TV RISER
- STREET SIGN
- HAND HOLE
- CONCRETE MATERIAL
- CONCRETE CURB & GUTTER
- DEPRESSED CURB
- FOUND IRON PIPE
- SET IRON PIPE
- FOUND "PK" / MAGNETIC NAIL
- BACK OF CURB
- EDGE OF PAVEMENT
- RECORD DIMENSION
- DIMENSION PER LEGAL

LINE LEGEND

- SANITARY LINE
- STORM LINE
- WATER MAIN
- ELECTRICAL CABLE
- TELEPHONE CABLE
- GAS MAIN
- BOUNDARY
- EXISTING LOTS
- RIGHT-OF-WAY
- EASEMENT
- SECTION LINE



SURVEY NOTES

- MEASURED BEARINGS SHOWN HEREON ARE GEODETICALLY REFERENCED TO NORTH BASED ON REALTIME, GPS, CORS OBSERVATIONS OF REFERENCE STATIONS MAINTAINED BY TRIMBLE NAVIGATION.
- SURVEY IS BASED UPON FIELD OBSERVATIONS MADE ON 10/09/2020.
- COMPARE ALL POINTS BEFORE BUILDING AND REPORT ANY DIFFERENCES AT ONCE.
- THE UTILITIES SHOWN MAY NOT COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH THE SURVEYOR DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLY FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.
- ALL STATEMENTS AND INFORMATION SHOWN HEREON ARE TO THE SURVEYOR'S BEST KNOWLEDGE AND BELIEF.
- BOUNDARY DIMENSIONS PER V3 SURVEY NUMBER 02091.BARR DATED 10/18/17

UTILITY CONTACTS

ELECTRIC COMED 2 LINCOLN CENTER 3401 BROOK TERRACE, IL 60181 (800) 334-7661 CONTACT: ERIC BJORK	SEWER VILLAGE OF ROMEOVILLE PUBLIC WORKS 615 ANDERSON DRIVE ROMEOVILLE, IL 60446 (815) 886-1870 CONTACT: ERIC BJORK
GAS NICOR 1844 PERRY ROAD NAPERVILLE, IL 60563 (888) 642-6748 CONTACT: ERIC BJORK	TELEPHONE AT&T 297 S. WEBER ROAD ROMEOVILLE, IL 60446 (815) 835-6730 CONTACT: MR. JONATHAN A. ZABROCKI, P.E.
WATER VILLAGE OF ROMEOVILLE PUBLIC WORKS 615 ANDERSON DRIVE ROMEOVILLE, IL 60446 (815) 886-1870 CONTACT: ERIC BJORK	VILLAGE CONTACT VILLAGE OF ROMEOVILLE 615 ANDERSON DRIVE ROMEOVILLE, IL 60446 (815) 886-1870 CONTACT: MR. JONATHAN A. ZABROCKI, P.E.

BENCHMARKS

SOURCE BENCHMARK 1

SOUTHWEST BOLT ON HYDRANT LOCATED APPROXIMATELY 490 FEET EAST OF THE CENTERLINE OF WEBER ROAD AND APPROXIMATELY 785 FEET SOUTH OF THE CENTERLINE OF AIRPORT ROAD.

RECORD ELEVATION = 647.70 DATUM = NAVD88-GEOD 18
MEASURED ELEVATION = 647.44

SOURCE BENCHMARK 2

SOUTHWEST BOLT ON HYDRANT LOCATED APPROXIMATELY 1005 FEET EAST OF THE CENTERLINE OF WEBER ROAD AND APPROXIMATELY 785 FEET SOUTH OF THE CENTERLINE OF AIRPORT ROAD.

RECORD ELEVATION = 651.77 DATUM = NAVD88-GEOD 18
MEASURED ELEVATION = 651.57

SITE BENCHMARK 1

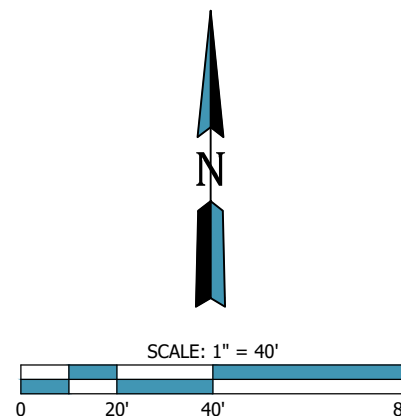
CROSS CUT ON TOPO OF SOUTH CURB OF ACCESS ROAD FROM WEBER AT THE SOUTHWEST CORNER OF THE INTERSECTION, ±124 FEET WEST OF CENTERLINE OF WEBER ROAD.

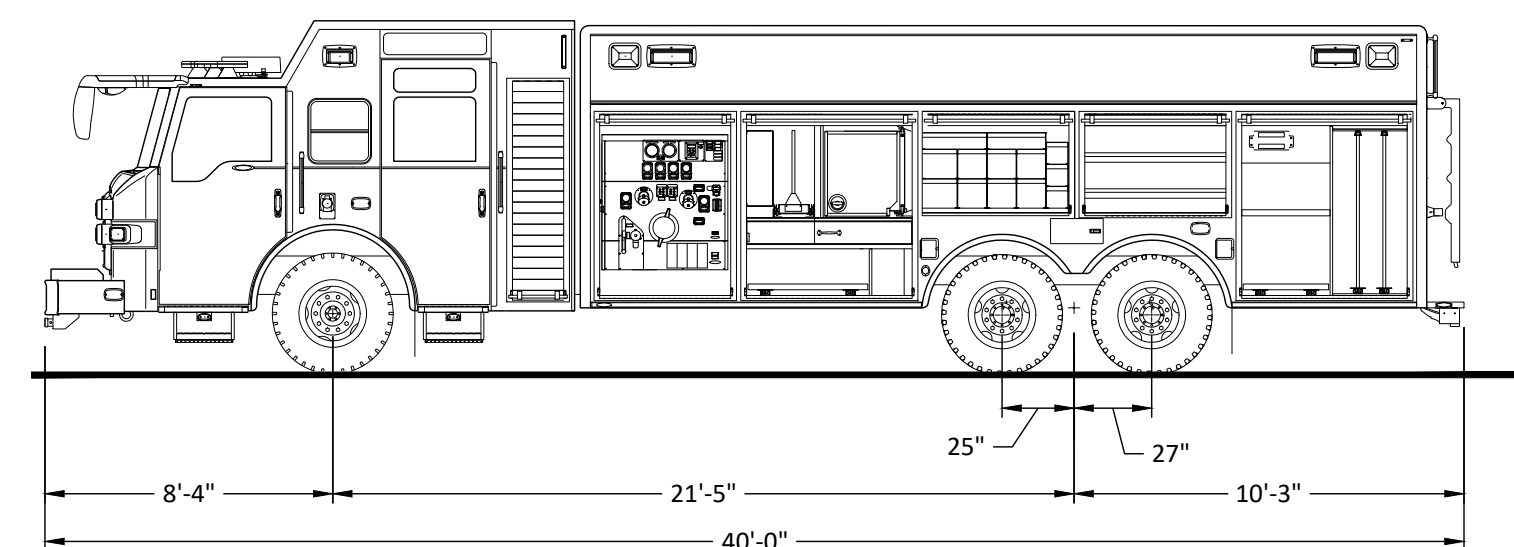
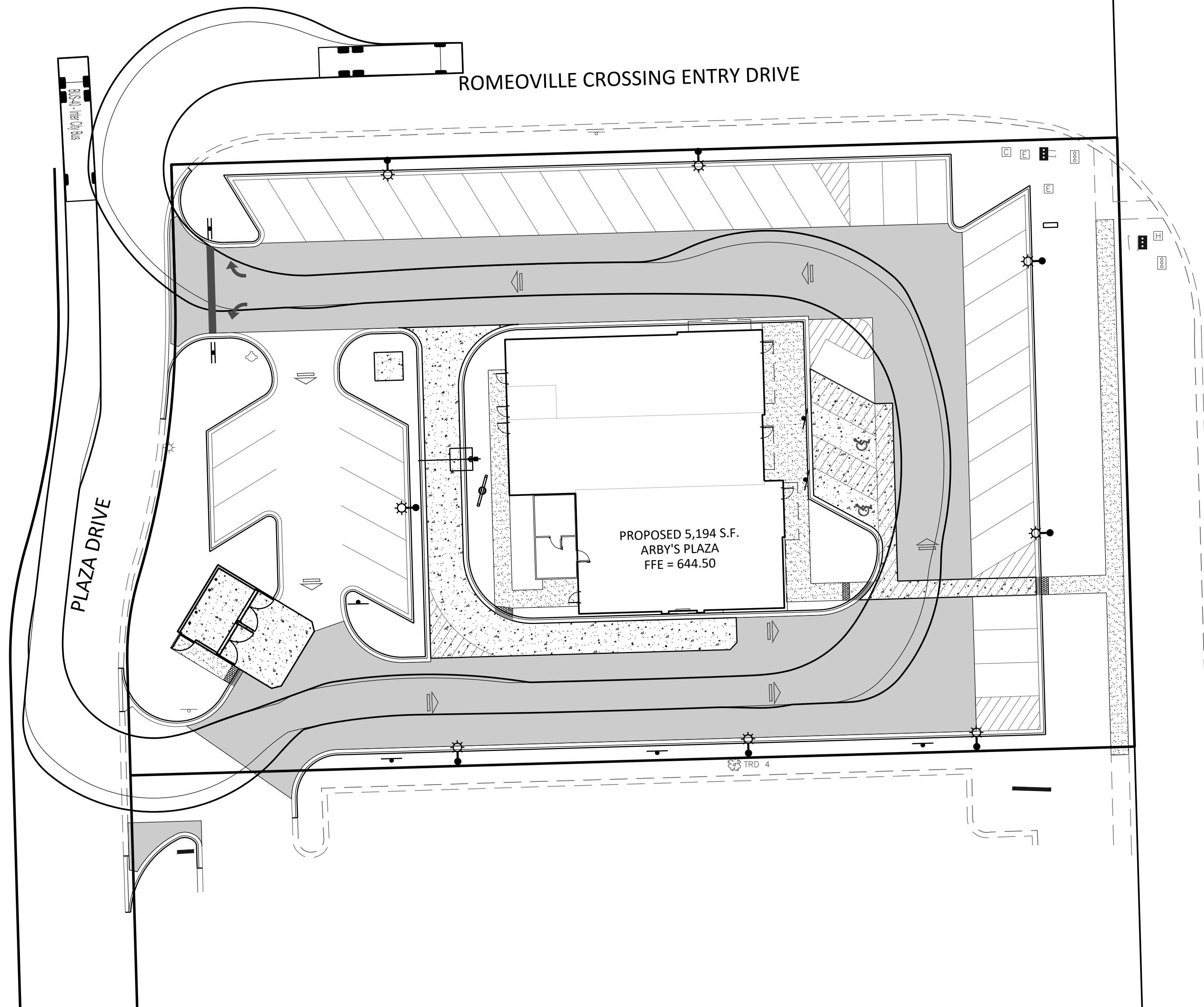
ELEVATION = 645.63

SITE BENCHMARK 2

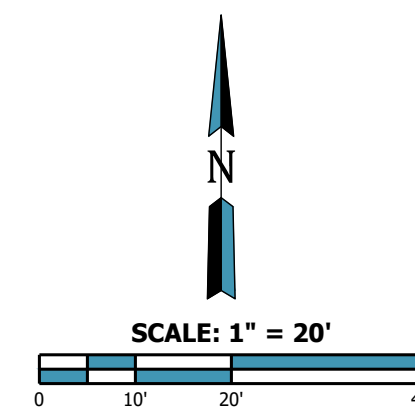
CROSS CUT ON TOPO OF EAST CURB OF LOOP ROAD OPPOSITE HYDRANT NEAR NORTHWEST CORNER OF SITE.

ELEVATION = 641.22





<u>AASHTO B40 DESIGN</u>	
OVERALL LENGTH	40.00 FT
OVERALL WIDTH	8.50 FT
OVERALL BODY HEIGHT	10.50 FT
TRACK WIDTH	8.50 FT
LOCK-TO-LOCK TIME MAX STEERING	5.00 SEC
ANGLE (VIRTUAL)	41.40°



PROJECT PHASE

- ☐ ISSUED FOR CLIENT REVIEW - PRELIMINARY
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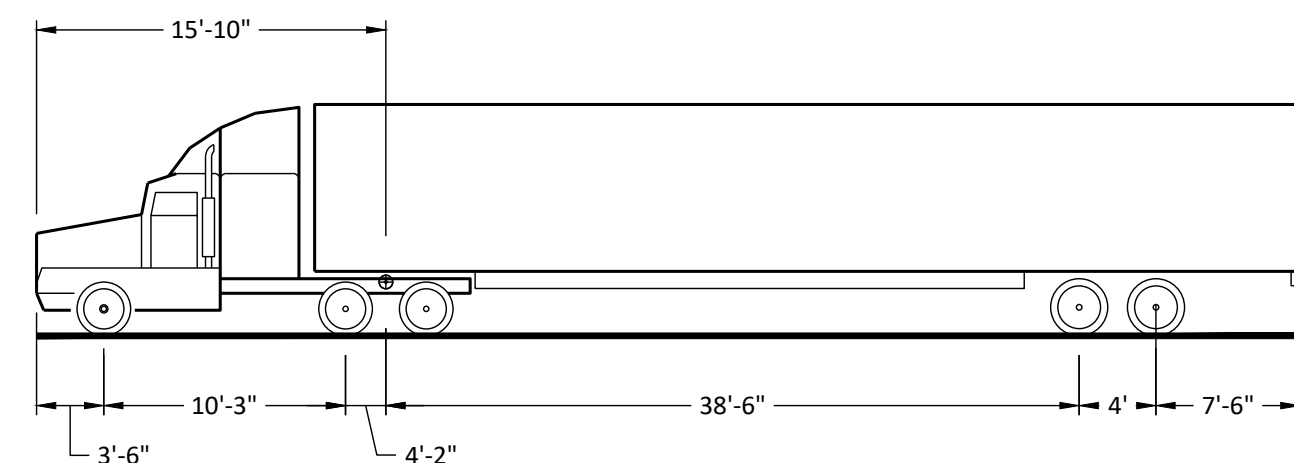
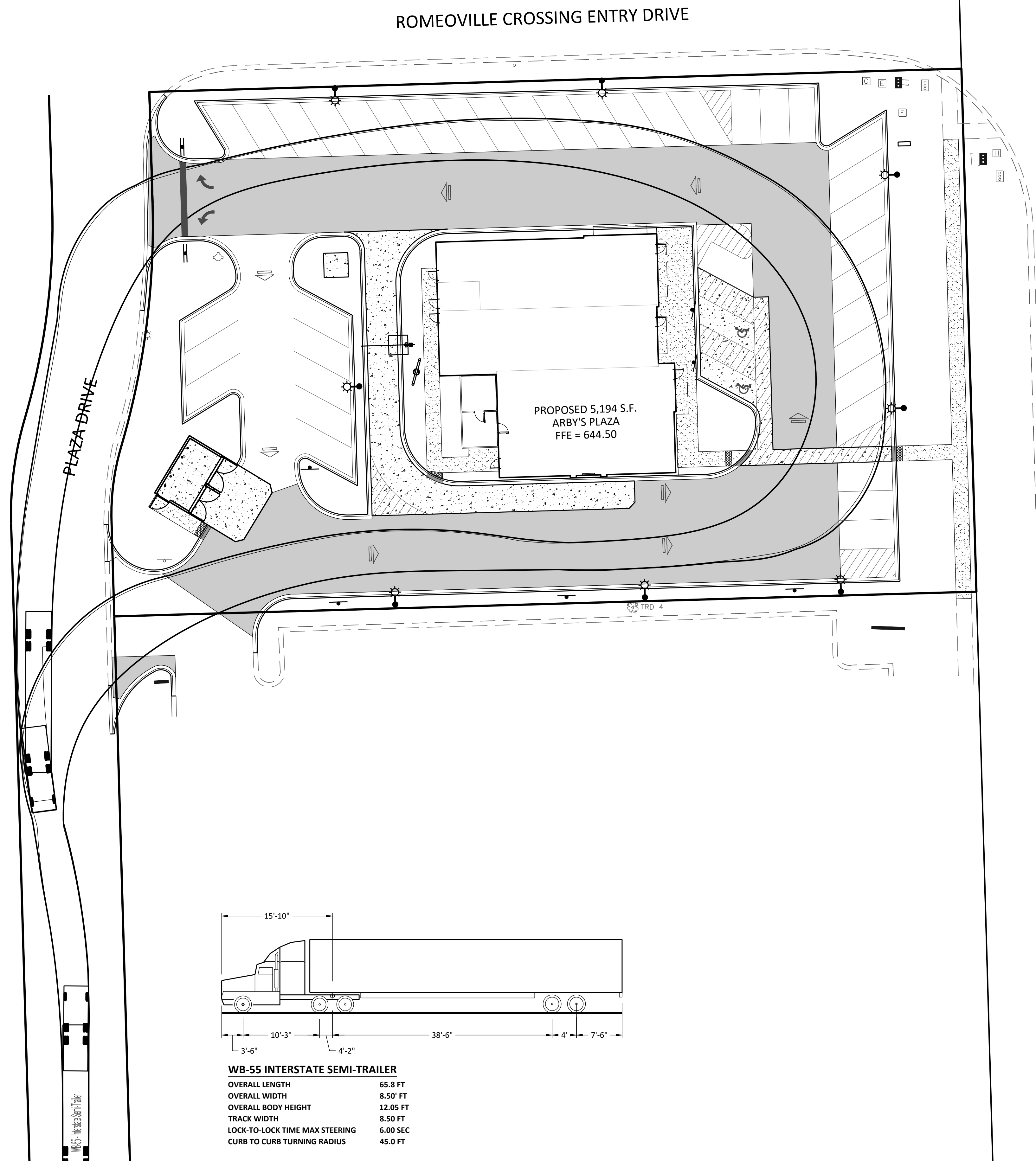
ARBY'S PLAZA
WEBER ROAD & ROMEVILLE CROSSING ENTRY
ROMEVILLE, ILLINOIS

ROMEOVILLE CROSSING ENTRANCE

TRUCK CIRCULATION PLAN

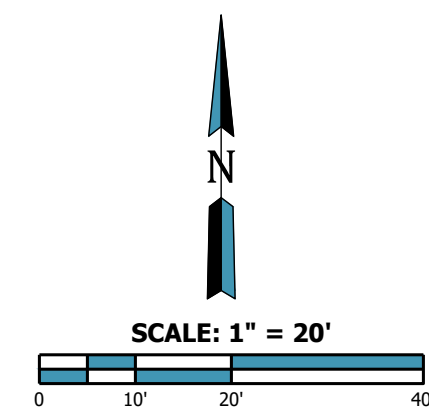


**CHARLES VINCENT
GEORGE ARCHITECTS**
1245 E. DIEHL ROAD, SUITE 101
NAPERVILLE, IL 60563



WB-55 INTERSTATE SEMI-TRAILER	
OVERALL LENGTH	65.8 FT
OVERALL WIDTH	8.50' FT
OVERALL BODY HEIGHT	12.05 FT
TRACK WIDTH	8.50 FT
LOCK-TO-LOCK TIME MAX STEERING	6.00 SEC
CURB TO CURB TURNING RADIUS	45.0 FT

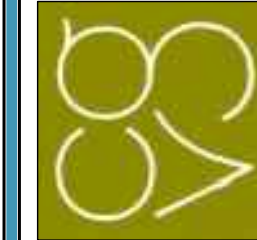
WEBER ROAD



- ☐ ISSUED FOR CLIENT REVIEW - PRELIMINARY
☒ ISSUED FOR PERMIT REVIEW/ APPROVAL
☐ ISSUED FOR BID
☐ ISSUED FOR CONSTRUCTION

MUNICIPAL/AGENCY APPROVAL STAMP

**CHARLES VINCENT
GEORGE ARCHITECTS**
1245 E. DIEHL ROAD, SUITE 101
NAPERVILLE, IL 60563



ARBY'S PLAZA
WEBER ROAD & ROMEVILLE CROSSING ENTRY
ROMEVILLE, ILLINOIS

TRUCK CIRCULATION PLAN

[illegible]

Weaver
Consultants
Group

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