

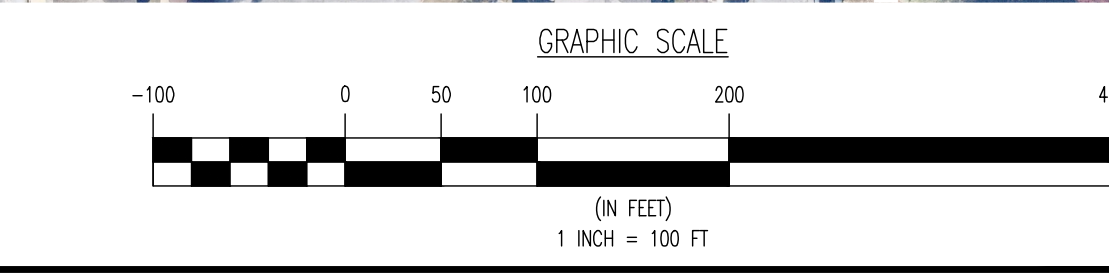


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 File: P:\CEPC PROJECTS\0114 McDonald's 23-01590 Evesham (Morriston) NJ LC 29-1564.Dwg Site Plans\01142201590SA0.dwg, ----> 02\_AERIAL\_PLAN

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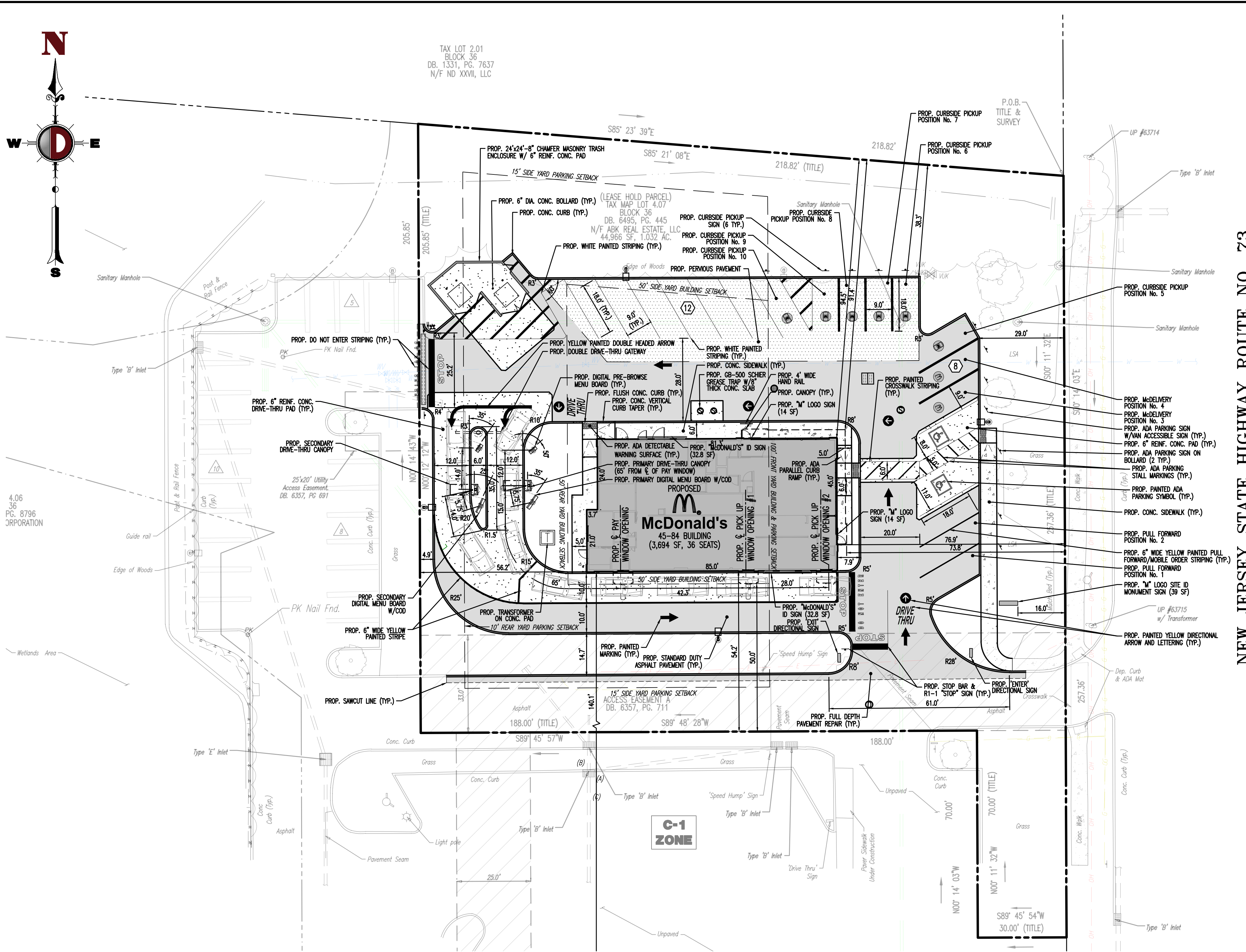
THE AERIAL IMAGE DEPICTED ON THIS PLAN IS BASED ON IMAGERY PREPARED BY DIGITAL GLOBE, GEO EYE AND USDA FARM SERVICE AGENCY. THIS IMAGERY WAS PROVIDED BY GOOGLE MAPS ON 09/09/2022. THE CONDITIONS OF THE SITE AND SURROUNDING AREAS MAY HAVE CHANGED SINCE THE DATE OF AERIAL PHOTOGRAPHY AND THEREFORE THIS PLAN MAY NOT ACCURATELY REFLECT ALL CURRENT EXISTING CONDITIONS.

JOSEPH C. SPARONE  
 PROFESSIONAL ENGINEER  
 NEW JERSEY LICENSE No. 47204

TIAGO F. DUARTE  
 PROFESSIONAL ENGINEER  
 NEW JERSEY LICENSE No. 52588

PREPARED FOR: <b>McDonald's USA, LLC</b> PROPOSED McDONALD'S RESTAURANT BUILDING 45-84 AERIAL PLAN		TITLE: <b>C-2</b> SHEET 2 OF 21
DRAWN BY: DRI	STD ISSUE DATE: -	REVIEWED BY: TFD
DATE ISSUED: 05/14/2025	SITE ADDRESS: BLOCK 36 LOT 4.07, 741 NUSH ROUTE 73 SOUTH, TOWNSHIP OF EVESHAM, BURLINGTON COUNTY, NEW JERSEY	REV. DATE -
PREPARED BY: © 2024 McDonald's Corporation <b>DYNAMIC ENGINEERING</b> LAND DEVELOPMENT CONSULTING • PERMITTING • GEOTECHNICAL • ENVIRONMENTAL • SURVEY • PLANNING & ZONING 50 Park Place, Suite 801 Newark, NJ 07102 www.dynamiceng.com Phone: (973) 795-8418 Fax: (973) 795-8419 Email: info@dynamiceng.com New York, New York: (212) 512-5000 New Jersey, New Jersey: (973) 795-8418 New York, New York: (212) 512-5000 New Jersey, New Jersey: (973) 795-8418 Pennsylvania, Pennsylvania: (610) 251-8888 Florida, Florida: (305) 486-8888 Texas, Texas: (214) 343-8888 Illinois, Illinois: (630) 285-8888 Ohio, Ohio: (216) 491-8888 Georgia, Georgia: (404) 486-8888 North Carolina, North Carolina: (919) 486-8888 South Carolina, South Carolina: (803) 486-8888 Virginia, Virginia: (703) 486-8888 Maryland, Maryland: (410) 486-8888 Delaware, Delaware: (302) 486-8888 Washington, Washington: (206) 486-8888 Arizona, Arizona: (480) 486-8888 Colorado, Colorado: (303) 486-8888 Utah, Utah: (801) 486-8888 Nevada, Nevada: (702) 486-8888 Idaho, Idaho: (208) 486-8888 Montana, Montana: (406) 486-8888 Wyoming, Wyoming: (307) 486-8888 Alaska, Alaska: (907) 486-8888 Hawaii, Hawaii: (808) 486-8888		





### GENERAL NOTES

- THIS PLAN HAS BEEN PREPARED BASED ON REFERENCES INCLUDING:
  - ALTA/NSPS LAND TITLE DIVISION SURVEY, LLC 1904 MAIN STREET LAKE COOK, NJ 07719 SURVEYOR FILE NO. 0114 23-02776 LAST REVISED: 06/04/2024
- APPLICANT/OWNER: MCDONALD'S USA, LLC 110 NORTH CARPENTER STREET CHICAGO, IL 60607-2101
- PARCEL DATA: BLOCK 36, LOT 4.07 ERESHAM TOWNSHIP BURLINGTON COUNTY, NEW JERSEY
- ZONE: COMMERCIAL (C-1) ZONE
- EXISTING USE: BANK (INCLUDING DRIVE-THROUGH) (PERMITTED USE) (§ 160-68.8)
- PROPOSED USE: FAST FOOD WITH DRIVE-THROUGH (CONDITIONAL USE) (§ 160-68.C)
- SCHEDULE OF ZONE REQUIREMENTS (§ 161-1.20) AND §160-68.E.

ZONE REQUIREMENT	ZONE C-1	EXISTING	PROPOSED
MINIMUM LOT AREA <sup>(a)</sup>	108,900 SF (2.5 AC)	44,966 SF (1.0 AC) (E)	NO CHANGE
MINIMUM LOT FRONTAGE (NJSR ROUTE 73) <sup>(a)</sup>	300 FT	257.4 FT (E)	NO CHANGE
MAXIMUM LOT COVERAGE <sup>(a)</sup>	60%	53.6% (24,113 SF)	56.3% (25,319 SF)
MINIMUM REAR YARD SETBACK FROM DRIVE-THROUGH <sup>(a)</sup>	50 FT	13.8 FT	4.9 FT (V)
MINIMUM LOT WIDTH <sup>(a)</sup>	200 FT	195.9 FT (E)	NO CHANGE
MINIMUM LOT DEPTH <sup>(a)</sup>	200 FT	218.9 FT	NO CHANGE
MINIMUM FRONT YARD SETBACK <sup>(a)</sup>	100 FT	112.2 FT	76.9 FT (V)
MINIMUM SIDE YARD SETBACK FROM A NON-RESIDENTIAL USE (EACH) <sup>(a)</sup>	30 FT	28.7 FT	54.2 FT
MINIMUM REAR YARD SETBACK FROM A NON-RESIDENTIAL USE <sup>(a)</sup>	50 FT	45.8 FT	56.2 FT
MAXIMUM BUILDING COVER <sup>(a)</sup>	15%	9.4% (2,427 SF)	8.2% (3,694 SF)
CLEARING LIMIT <sup>(a)</sup>	75%	N/A	62.3% (28,014 SF)
MAXIMUM BUILDING HEIGHT	40 FT	+18 FT	18.8 FT
MINIMUM BUILDING SETBACK FROM ANOTHER FREESTANDING BUILDING WITHIN DEVELOPMENT	20 FT	+115 FT	+140.1 FT
MINIMUM GROSS LEASABLE FLOOR AREA <sup>(a)</sup>	10,000 SF	3,637 SF (E)	3,694 SF (V)
MAXIMUM BASE FLOOR AREA RATIO	0.22	0.08	0.08

TABLE NOTES:  
 (a) CONDITIONAL USE REQUIREMENTS FOR FAST FOOD WITH DRIVE-THROUGH IN THE C-1 DISTRICT SET FORTH IN §161-1C(20) SUPERSEDE C-1 PERFORMANCE REGULATIONS.  
 (b) C-1 PERFORMANCE REGULATIONS FOR LOT SIZE 2 TO 4.99 ACRES

- CONDITIONAL USE REQUIREMENTS (§ 161-1.C(20))
  - THE RESTAURANT SHALL BE EITHER SITUATED AS ONE OF THE STORES IN AN EXISTING SHOPPING CENTER DEVELOPMENT OR SHALL BE NEWLY CONSTRUCTED IN A MANNER SUCH THAT IT SHALL BE PHYSICALLY ATTACHED TO EXISTING SHOPPING CENTER STRUCTURE. (§ 161-1.C(20)(a)) (V)
  - ONE FREESTANDING MENU BOARD SIGN IS PERMITTED IN ADDITION TO THE OTHER PERMITTED SIGNS, NOT TO EXCEED 24 SQUARE FEET. OTHER SIGNS SHALL CONFORM TO THE SIGN REQUIREMENTS FOR THE C-1 ZONING DISTRICT. (§ 161-1.C(20)(b)(i)) (COMPLIES)
  - DRIVE-THROUGH LINES SHALL BE BUFFERED FROM ADJACENT PROPERTIES WITH EVERGREEN TREES. IF ADJACENT PROPERTIES ARE RESIDENTIAL, A SIX-FOOT HIGH SOLID OPAQUE FENCE IS ALSO REQUIRED. (§ 161-1.C(20)(b)(ii)) (V)
  - FAST-FOOD RESTAURANTS MUST PROVIDE ADEQUATE VEHICLE STACKING AND A BYPASS OPPORTUNITY. (§ 161-1.C(20)(b)(iii)) (COMPLIES)
  - FAST-FOOD RESTAURANTS MUST COMPLY WITH THE DESIGN REQUIREMENTS FOR THE AREA OVERALL AND MUST BE INTEGRATED AS TO BUILDING DESIGN, MATERIALS, COLOR, LIGHTING, AND HEIGHT. (§ 161-1.C(20)(b)(iv)) (COMPLIES)
  - THE RESTAURANT MUST PROVIDE TRASH AND RECYCLING RECEPTACLES BOTH INSIDE AND OUTSIDE THE BUILDING FOR USE BY PATRONS. THOSE RECEPTACLES PLACED OUTSIDE MUST BE SECURED AND VISUALLY COMPATIBLE WITH THE OVERALL DEVELOPMENT. (§ 161-1.C(20)(b)(v)) (COMPLIES)
- PARKING REQUIREMENTS:
  - PARKING SPACES SHALL BE A MINIMUM SIZE OF 9 FEET BY 18 FEET BY 18 FEET (§ 160-32.C); PROPOSED: 9 FEET BY 18 FEET (COMPLIES)
  - ASIDE WIDTHS FOR 60 DEGREE ANGLED PARKING SHALL BE 18 FEET (§ 160-32.C); PROPOSED: 20 FEET (COMPLIES)
  - LOCATION OF PARKING AREAS: (§ 160-32.B)
    - FRONT YARD PARKING (C-1) 100 FEET SETBACK; PROPOSED: 29 FEET (M)
    - SIDE AND REAR YARD PARKING (C-1) 15 FEET SETBACK; PROPOSED: REAR 4.9 FEET (V), PROPOSED SIDE: 33.0 FEET (COMPLIES)
  - PARKING SPACES FOR HANDICAPPED PERSONS SHALL BE 12 FEET BY 18 FEET OR 8 FEET BY 18 FEET WITH AN ADJACENT ASILE AT LEAST 5 FEET WIDE. (§ 160-32.C(3)(a)) PROPOSED: 8 FEET BY 18 FEET WITH 5 FEET ACCESS ASILE (COMPLIES)
  - ONE VAN-ACCESSIBLE SPACE MUST BE PROVIDED FOR EVERY EIGHT HANDICAPPED PARKING SPACES WITH A MINIMUM OF ONE SPACE. (§ 160-32.C(3)(b)) PROPOSED: 1 VAN ACCESSIBLE SPACE (COMPLIES)
  - THE LOCATION OF HANDICAPPED SPACES SHALL BE AS CLOSE AS POSSIBLE TO THE ACCESSIBLE TO A BUILDING OR BUILDINGS SERVED BY THE FACILITY, BUT IN NO INSTANCE MORE THAN 300 FEET. THEY SHALL BE AS LEVEL AS POSSIBLE WITH SURFACE SLOPE NOT EXCEEDING 1/4 INCH PER FOOT IN ANY DIRECTION. (§ 160-32.C(3)(c)) MAXIMUM PROPOSED ADA PARKING SLOPE: 3/4 INCH PER FOOT (COMPLIES)
  - EACH HANDICAPPED SPACE OR GROUP OF SPACES SHALL BE IDENTIFIED WITH THE APPROPRIATE SIGNAGE AS REQUIRED BY N.J.S.A. 39:4-197, SUBDIVISION 3(C). (§ 160-32.C(3)(d)) (COMPLIES)
  - OFF-STREET PARKING CALCULATION (§ 160-32)
 

RESTAURANT WITHOUT BAR OR LOUNGE: 15 SPACES / 1,000 SF GFA	= 55 SPACES REQUIRED
(3,694 SF GFA) * (15 SPACES/1,000 SF)	= 55 SPACES REQUIRED
MINIMUM ADA ACCESSIBLE PARKING REQUIREMENTS: (§ 160-32.C(3)(g))	= 20 SPACES PROPOSED (V)
1 ADA SPACE / 1 TO 25 TOTAL SPACES	= 1 SPACE REQUIRED
PROPOSED ADA:	= 2 SPACES (COMPLIES)

PER THE MINIMUM ELECTRIC VEHICLE CHARGING STATION (EVCS) REQUIREMENTS BY USE PER P.L. 2021, C. 171 (BILL S3232); A RETAILER THAT PROVIDES 25 OR FEWER OFF-STREET PARKING SPACES SHALL NOT BE REQUIRED TO PROVIDE OR INSTALL ANY VEHICLE SUPPLY EQUIPMENT OR MAKE-READY PARKING SPACES.

- LOADING AND SERVICE AREA REQUIREMENTS (§ 160-32.D)
  - LOADING AREA CALCULATION:
 

RESTAURANT: 1 LOADING AREA / 100 SEATS (MINIMUM 1 LOADING AREA)	= 1 LOADING AREA REQUIRED
35 SEATS * (1 LOADING AREA / 100 SEATS)	= 0 LOADING AREAS (M)
  - NO OFF-STREET LOADING AND MANEUVERING AREAS WILL BE LOCATED IN ANY FRONT YARD OR REQUIRE ANY PART OF A STREET. (§ 160-32.D(3)(a))

- DRIVEWAY REQUIREMENTS (§ 160-32.E)
  - DRIVEWAY WIDTHS SHALL BE AT LEAST 24 FEET (12 FEET EITHER WAY BUT NO MORE THAN 50 FEET IN WIDTH). (§ 160-32.E(1)) MAX. PROPOSED WIDTH: 28 FEET; MIN. PROPOSED WIDTH: 20 FEET (COMPLIES)
  - ALL DRIVEWAYS SHALL BE SURFACED AND PAVED IN ACCORDANCE WITH THE SPECIFICATIONS CONTAINED IN CHAPTER 62, SUBDIVISION AND SITE PLAN DESIGN STANDARDS, OF THIS CODE. (§ 160-32.E(2)) (COMPLIES)
  - FOR NONRESIDENTIAL USES, NO DRIVEWAY EDGE OF PAVING SHALL BE LOCATED WITHIN 25 FEET OF AN INTERSECTION. (§ 160-32.E(3)) (COMPLIES)
  - FOR NONRESIDENTIAL USES, NO DRIVEWAY EDGE OF PAVING SHALL BE LOCATED WITHIN 100 FEET OF AN INTERSECTION. (§ 160-32.E(4)) (COMPLIES)

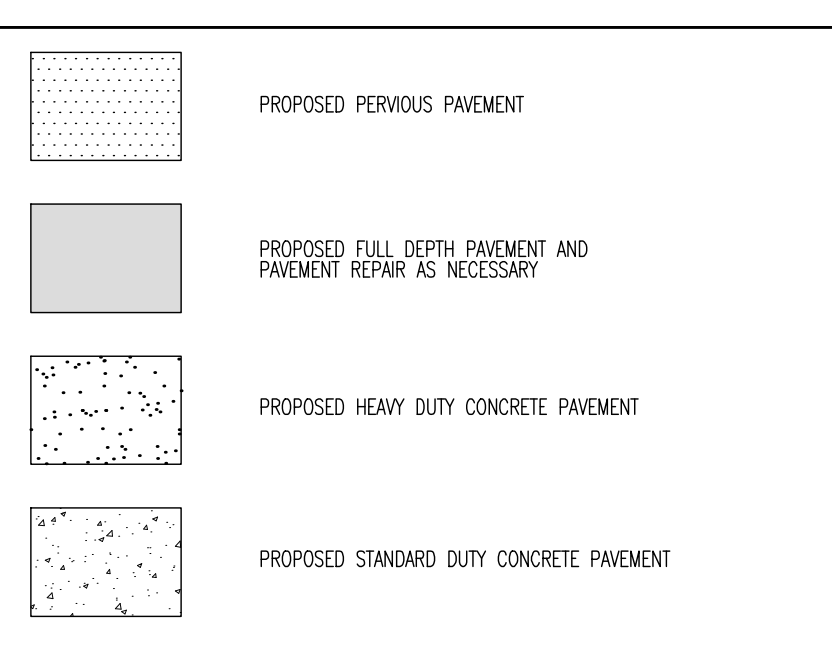
- SIDEWALKS AND BIKEWAYS REQUIREMENTS (§ 160-32.F)
  - SIDEWALKS AND PEDESTRIAN ACCESS SHALL BE PROVIDED FOR ALL DEVELOPMENT IN THE TOWNSHIP. (§ 160-32.F(1)) (COMPLIES)
  - BIKEWAYS SHALL BE PROVIDED FOR ALL DEVELOPMENT IN THE TOWNSHIP AS RECOMMENDED IN THE CIRCULATION PLAN ELEMENT OF THE TOWNSHIP MASTER PLAN. (§ 160-32.F(2)) (V)

13. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE TO MAKE SURE THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED ALL PLANS AND OTHER DOCUMENTS BY ALL OF THE PERTINENT AUTHORITIES.
14. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE REQUIREMENTS AND STANDARDS OF THE LOCAL GOVERNING AUTHORITY.
15. SITE CLEARING SHALL INCLUDE THE LOCATION AND REMOVAL OF ALL UNDERGROUND TANKS, PIPES, VALVES, ETC.
16. THE PROPERTY SURVEY SHALL BE CONSIDERED A PART OF THESE PLANS.
17. ALL DIMENSIONS SHOWN ON THE PLANS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY ENGINEER IF ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION FOR NECESSARY PLAN CHANGES. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR WORK HAVING TO BE REDONE DUE TO DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THESE PLANS IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.
18. SOLID WASTE TO BE DISPOSED OF BY CONTRACTOR IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.
19. ALL EXCAVATED UNSUITABLE MATERIAL MUST BE TRANSPORTED TO AN APPROVED DISPOSAL LOCATION.
20. CONTRACTOR IS RESPONSIBLE FOR ALL SHORING REQUIRED DURING EXCAVATION AND SHALL BE PERFORMED IN ACCORDANCE WITH CURRENT OSHA STANDARDS, AS WELL AS ADDITIONAL PROVISIONS TO ASSURE STABILITY OF CONTIGUOUS STRUCTURES. FIELD CONDITIONS DICTATE.
21. ALL CONTRACTORS MUST CARRY STATUTORY WORKERS COMPENSATION, EMPLOYERS LIABILITY INSURANCE AND APPROPRIATE LIMITS OF COMMERCIAL GENERAL LIABILITY INSURANCE (CGL). ALL CONTRACTORS MUST HAVE THEIR CGL POLICIES ENDORSED TO NAME DYNAMIC ENGINEERING CONSULTANTS, P.C. AND ITS SUBCONSULTANTS AS ADDITIONAL INSURED AND TO PROVIDE CONTRACTUAL LIABILITY COVERAGE SUFFICIENT TO INSURE THE HARMLESS AND INDEMNITY OBLIGATIONS ASSUMED BY THE CONTRACTORS. ALL CONTRACTORS MUST FURNISH DYNAMIC ENGINEERING CONSULTANTS, P.C. WITH CERTIFICATES OF INSURANCE AS EVIDENCE OF THE REQUIRED INSURANCE PRIOR TO COMMENCING WORK AND UPON RESUMING EACH POLICY DURING THE ENTIRE PERIOD OF CONSTRUCTION. IN ADDITION, ALL CONTRACTORS WILL, TO THE FULLEST EXTENT PERMITTED BY LAW, INDEMNIFY AND HOLD HARMLESS DYNAMIC ENGINEERING CONSULTANTS, P.C. AND ITS SUBCONSULTANTS FROM AND AGAINST ANY DAMAGES, LIABILITIES OR COSTS, INCLUDING REASONABLE ATTORNEY'S FEES AND DEFENSE COSTS, ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE PROJECT, INCLUDING ALL CLAIMS BY EMPLOYEES OF THE CONTRACTORS.
22. NEITHER THE PROFESSIONAL ACTIVITIES OF DYNAMIC ENGINEERING CONSULTANTS, P.C., NOR THE PRESENCE OF DYNAMIC ENGINEERING CONSULTANTS, P.C. OR ITS EMPLOYEES AND SUBCONSULTANTS AT A CONSTRUCTION/PROJECT SITE SHALL RELIEVE THE GENERAL CONTRACTOR OF HIS OBLIGATIONS, DUTIES AND RESPONSIBILITIES INCLUDING, BUT NOT LIMITED TO, CONSTRUCTION MEANS, METHODS, SEQUENCES, TECHNIQUES OR PROCEDURES NECESSARY FOR PERFORMING, SUPERINTENDING, AND COORDINATING THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND ANY HEALTH OR SAFETY PRECAUTIONS REQUIRED BY ANY REGULATORY AGENCIES. DYNAMIC ENGINEERING CONSULTANTS, P.C. AND ITS PERSONNEL HAVE NO AUTHORITY TO EXERCISE ANY CONTROL OVER ANY CONSTRUCTION CONTRACTOR OR ITS EMPLOYEES IN CONNECTION WITH THEIR WORK OR ANY HEALTH OR SAFETY PROGRAMS OR PROCEDURES. THE GENERAL CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOBSITE SAFETY. DYNAMIC ENGINEERING CONSULTANTS, P.C. SHALL BE INDEMNIFIED BY THE GENERAL CONTRACTOR AND SHALL BE MADE ADDITIONAL INSURED UNDER THE GENERAL CONTRACTOR'S POLICIES OF GENERAL LIABILITY INSURANCE.
23. DYNAMIC ENGINEERING CONSULTANTS, P.C. SHALL REVIEW AND APPROVE OR TAKE OTHER APPROPRIATE ACTION ON THE CONTRACTOR SUBMITTALS, SUCH AS SHOP DRAWINGS, PRODUCT DATA, SAMPLES AND OTHER DATA, WHICH THE CONTRACTOR IS REQUIRED TO SUBMIT, BUT ONLY FOR THE LIMITED PURPOSE OF CHECKING FOR CONFORMANCE WITH THE DESIGN CONCEPT AND THE INFORMATION SHOWN IN THE CONSTRUCTION MEANS OR METHODS. COORDINATION OF THE WORK WITH OTHER TRADES OR CONSTRUCTION SAFETY PRECAUTIONS, ALL OF WHICH ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. DYNAMIC ENGINEERING CONSULTANTS, P.C. SHALL BE REVIEWED WITH REASONABLE FREQUENCIES WHILE ALLOWING SUFFICIENT TIME TO PERMIT NECESSARY REVIEW OF A SPECIFIC ITEM SHALL NOT INDICATE THAT DYNAMIC ENGINEERING CONSULTANTS, P.C. HAS REVIEWED THE ENTIRE ASSEMBLY OF WHICH THE ITEM IS A COMPONENT. DYNAMIC ENGINEERING CONSULTANTS, P.C. SHALL NOT BE REQUIRED TO REVIEW PARTIAL SUBMISSIONS OR THOSE FOR WHICH SUBMISSIONS OR CORRECTED ITEMS HAVE NOT BEEN RECEIVED.
24. IN AN EFFORT TO RESOLVE ANY CONFLICTS THAT ARISE DURING THE DESIGN AND CONSTRUCTION OF THE PROJECT OR FOLLOWING THE COMPLETION OF THE PROJECT, DYNAMIC ENGINEERING CONSULTANTS, P.C. AND THE CONTRACTOR MUST AGREE THAT ALL DISPUTES BETWEEN THEM ARISING OUT OF OR RELATING TO THIS AGREEMENT OR THE PROJECT SHALL BE SUBMITTED TO NONBINDING MEDIATION UNLESS THE PARTIES MUTUALLY AGREE OTHERWISE.
25. THE CONTRACTOR MUST INCLUDE A MEDIATION PROVISION IN ALL AGREEMENTS WITH INDEPENDENT SUBCONTRACTORS AND CONSULTANTS RETAINED FOR THE PROJECT AND TO REQUIRE ALL INDEPENDENT CONTRACTORS AND CONSULTANTS ALSO TO INCLUDE A MEDIATION PROVISION IN ALL AGREEMENTS WITH THEIR SUBCONTRACTORS, SUBCONSULTANTS, SUPPLIERS AND FABRICATORS. THEREBY PROVIDING FOR MEDIATION AS THE PRIMARY METHOD FOR DISPUTE RESOLUTION BETWEEN THE PARTIES TO ALL SUCH AGREEMENTS.
26. IF THE CONTRACTOR DENIES THE PLANS AND SPECIFICATIONS, INCLUDING THE NOTES CONTAINED THEREON, WITHOUT FIRST OBTAINING PRIOR WRITTEN AUTHORIZATION FOR SUCH DENIATIONS FROM THE OWNER AND ENGINEER, IT SHALL BE RESPONSIBLE FOR THE PAYMENT OF ALL COSTS TO CORRECT ANY WORK DONE, ALL FINES OR PENALTIES ASSESSED WITH RESPECT THERETO AND ALL COMPENSATORY OR PUNITIVE DAMAGES RESULTING THEREFROM AND IT SHALL INDEMNIFY AND HOLD THE OWNER AND ENGINEER HARMLESS FROM ALL SUCH COSTS TO CORRECT ANY SUCH WORK AND FROM ALL SUCH FINES AND PENALTIES, COMPENSATION AND PUNITIVE DAMAGES AND COSTS OF ANY NATURE RESULTING THEREFROM.
27. ALL TRAFFIC SIGNS AND STRIPING SHALL FOLLOW THE REQUIREMENTS SPECIFIED IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS PUBLISHED BY THE FEDERAL HIGHWAY ADMINISTRATION.
28. THE BUILDING SETBACK DIMENSIONS ILLUSTRATED AND LISTED ON THE SITE PLAN DRAWINGS ARE MEASURED FROM THE OUTSIDE SURFACE OF BUILDING WALLS. THESE SETBACK DIMENSIONS DO NOT ACCOUNT FOR ROOF OVERHANGS, ORNAMENTAL ELEMENTS, SIGNAGE OR OTHER EXTERIOR EXTENSIONS UNLESS SPECIFICALLY NOTED.
29. MCDONALD'S AND LANDLORD TO CONFIRM AND AGREE UPON LEASE LINE LOCATION IN THE FIELD PRIOR TO COMMENCEMENT OF CONSTRUCTION.

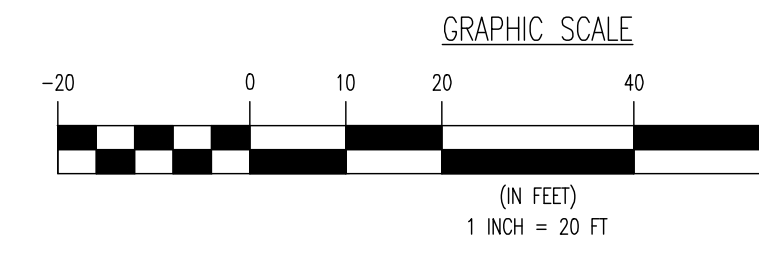
### SIGNAGE TABLE:

SIGN REQUIREMENTS	PROPOSED
<b>REESTANDING</b> NUMBER OF SIGNS: ONE (1) ALONG ROUTE 73 MAXIMUM SIGN AREA: TOTAL AREA - 180 SF SIGN AREA COPY AREA: COPY AREA - 120 SF COPY AREA MAXIMUM SIGN HEIGHT: 22 FT MINIMUM SIGN SETBACK: 10 FT	NUMBER OF SIGNS: ONE (1) NUMBER OF SIGNS: ONE (1) ALONG ROUTE 73 TOTAL AREA - 180 SF SIGN AREA COPY AREA: COPY AREA - 120 SF COPY AREA SIGN HEIGHT: 22 FT MINIMUM SIGN SETBACK: 10 FT SITE ID SIGN: 39.0 SF SIGN HEIGHT: 9.9 FT SITE ID SIGN: 21.07 SF SIGN HEIGHT: 9.9 FT
<b>FAÇADE</b> NUMBER OF FAÇADE SIGNS: TWO (2) MAXIMUM FAÇADE SIGN AREA: TOTAL AGGREGATE AREA OF BOTH SIGNS NOT EXCEED 15% OF THE FRONT FAÇADE AREA, OR 80 SF SIGN AREA NORTH FAÇADE (NON-DRIVE-THROUGH): "M" LOGO SIGN 14.0 SF "MCDONALD'S" "D" SIGN 32.8 SF SOUTH FAÇADE (DRIVE-THROUGH): "MCDONALD'S" "D" SIGN 32.8 SF EAST FAÇADE (FRONT): "M" LOGO SIGN 14.0 SF TOTAL FAÇADE SIGN AREA: 93.6 SF (V)	NUMBER OF FAÇADE SIGNS: TWO (2) SIGN AREA: NORTH FAÇADE (NON-DRIVE-THROUGH): "M" LOGO SIGN 14.0 SF "MCDONALD'S" "D" SIGN 32.8 SF SOUTH FAÇADE (DRIVE-THROUGH): "MCDONALD'S" "D" SIGN 32.8 SF EAST FAÇADE (FRONT): "M" LOGO SIGN 14.0 SF TOTAL FAÇADE SIGN AREA: 93.6 SF (V)
<b>DIRECTIONAL</b> NUMBER OF SIGNS: NOT EXCEED THE NUMBER OF CURB CUTS ON A LOT MAXIMUM SIGN AREA: 2.5 SF DIRECTIONAL SIGN AREA MAXIMUM SIGN HEIGHT: 4.5 FT DIRECTIONAL SIGN HEIGHT	NUMBER OF DIRECTIONAL SIGNS: TWO (2) DIRECTIONAL SIGN AREA: 3.0 SF (V) DIRECTIONAL SIGN HEIGHT: 3.0 FT

### PAVEMENT LEGEND



VEGETATED AREA BEFORE DEVELOPMENT: 41.7% (18,732 SF)  
 VEGETATED AREA REMAINING AFTER DEVELOPMENT: 37.2% (16,739 SF)



SITE PLAN APPROVAL	
L/C#	DATE
INITIAL	DATE
DEVELOPMENT	
ACM	
ARM	
RDM	
OPERATIONS	
FSM	
DO	
VP OSC	
OWNER OPERATOR	
BY:	

PROTECT YOURSELF  
 ALL STATES REQUIRE NOTIFICATION OF CONTRACTORS, SUBCONTRACTORS, OR ANY PERSON PREPARING TO DISBURSE THE EARTH'S SURFACE ANYWHERE IN ANY STATE

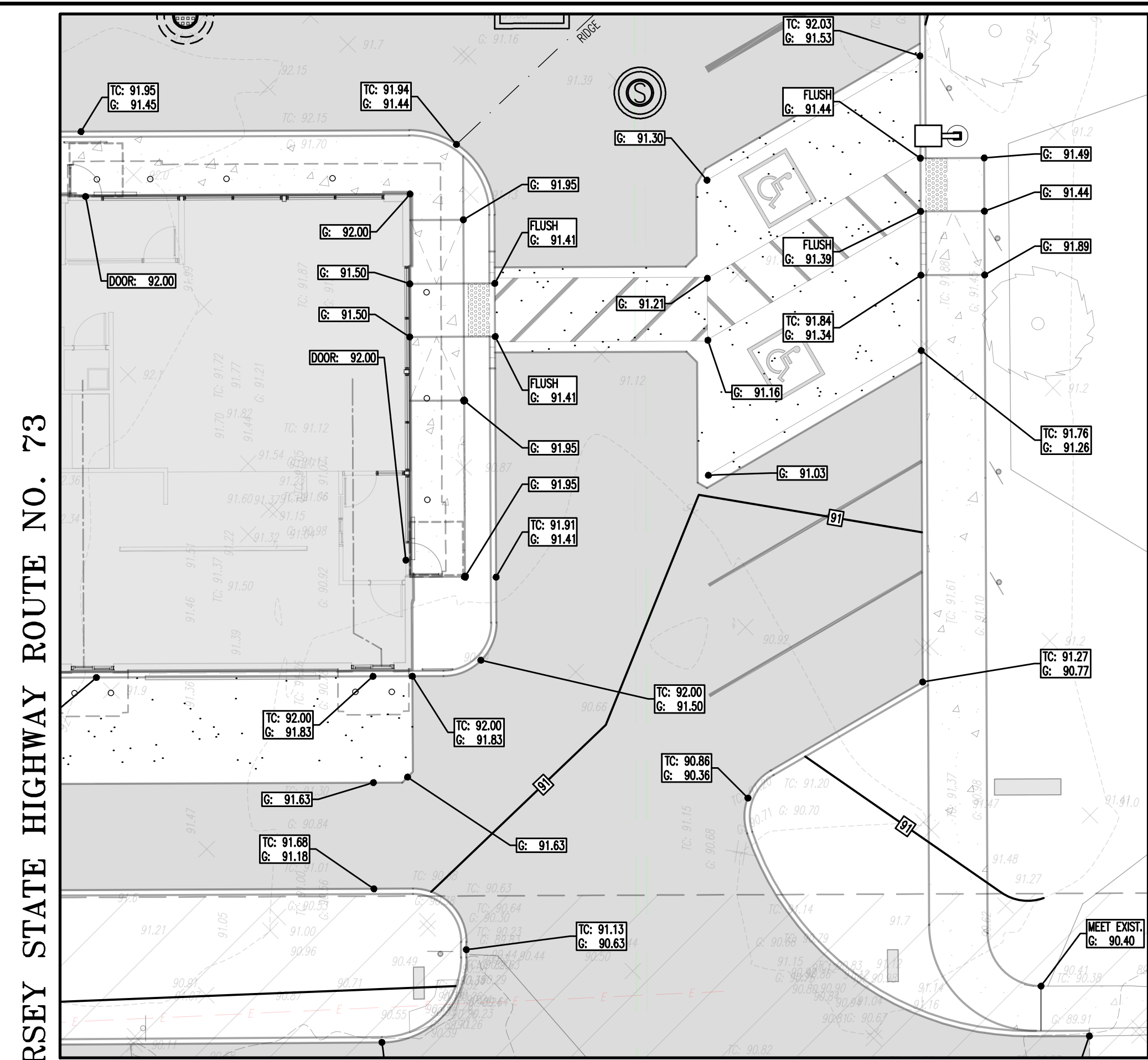
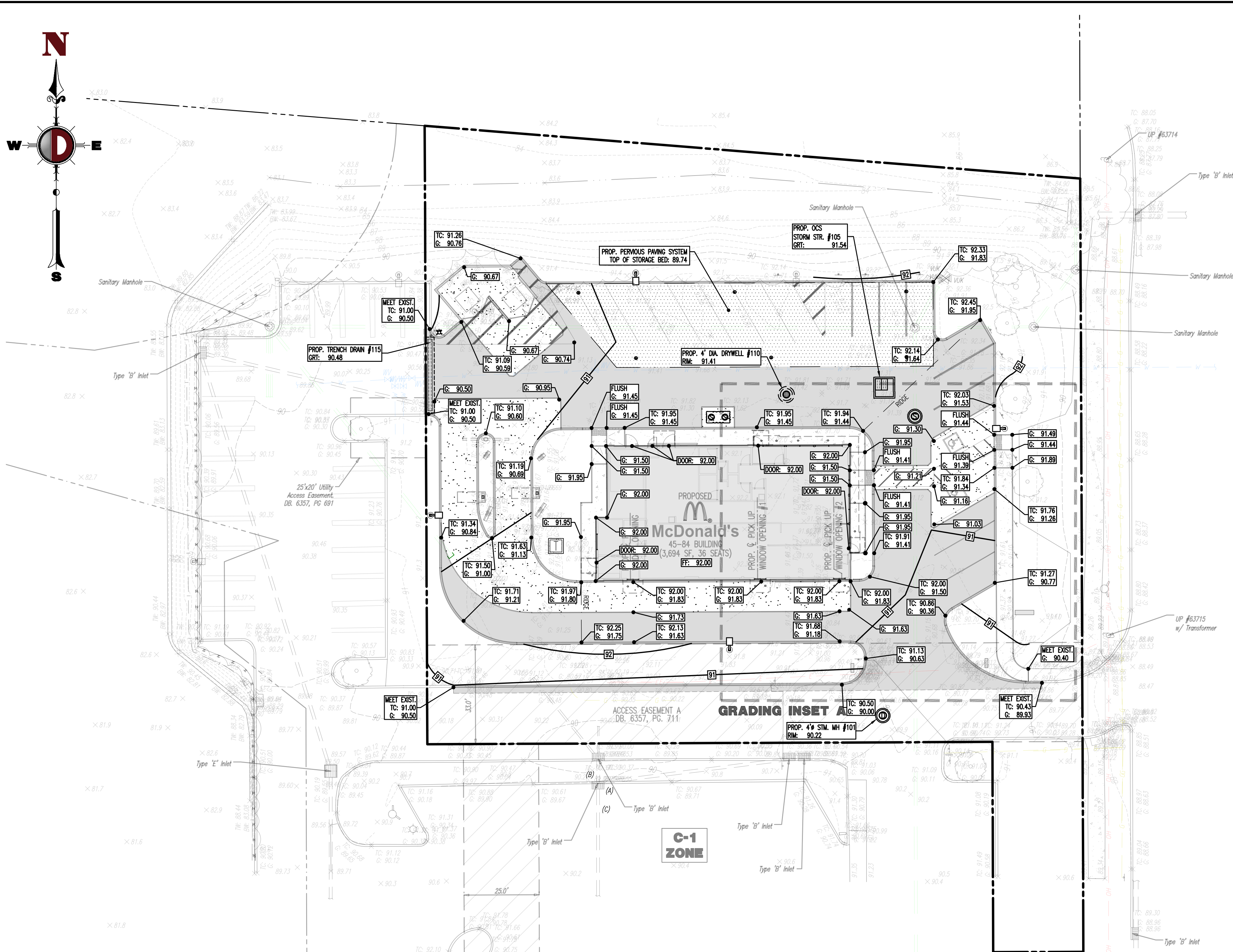
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**JOSEPH C. SPARONE** PROFESSIONAL ENGINEER  
 NEW JERSEY LICENSE No. 47204

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Plotter: 05/15/25 - 8:20 PM, Br. deamerson, Product Ver: 25.0a (LMS Tech)  
 File: P:\DEPC PROJECTS\0114 McDonald's 23-01590 Ewasham (Marlton) NJ LC 29-1564.Dwg Site Plans\01142301590SS0.dwg, ---> 04 SITE PLAN

PREPARED FOR: MCDONALD'S USA, LLC  
 PROJECT: MCDONALD'S RESTAURANT BUILDING 45-84  
 DRAWN BY: JCS  
 DATE: 05/14/2025  
 L/C#: 29-1564  
 SITE ID: 29-1564  
 ADDRESS: BLOCK 36, LOT 4.07, WILSH, ROUTE 73 SOUTH, TOWNSHIP OF ESHAM, BURLINGTON COUNTY, NEW JERSEY  
 SHEET 4 OF 21



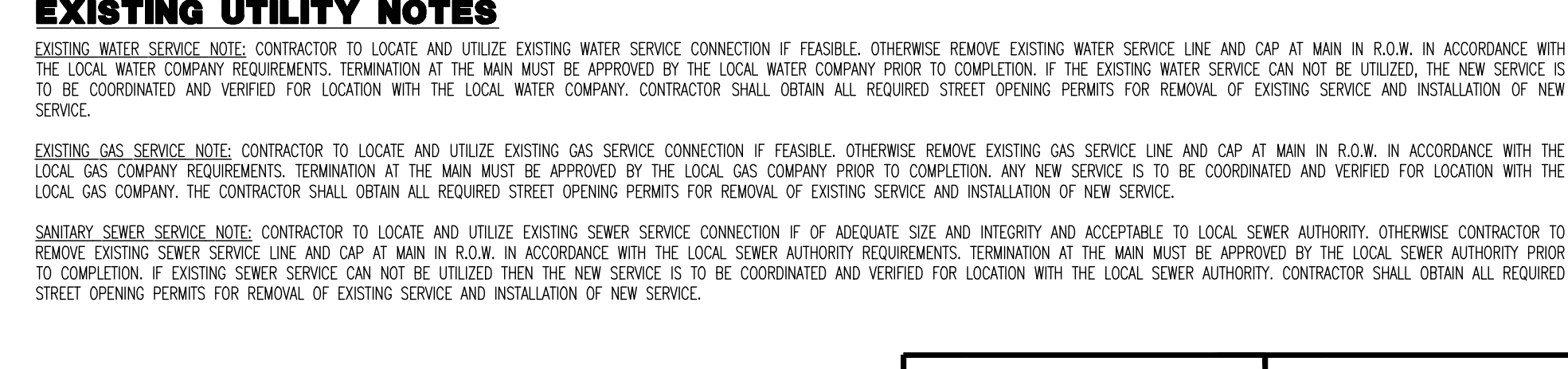
NEW JERSEY STATE HIGHWAY ROUTE NO. 73

**GRADING INSET**  
SCALE: 1" = 10'

- GRADING NOTES**
- SITE GRADING SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND REPLACING ALL SOFT, YIELDING OR UNSUITABLE MATERIALS AND REPLACING WITH SUITABLE MATERIALS. ALL EXCAVATED OR FILLED AREAS SHALL BE COMPACTED TO 95% OF MODIFIED PROCTOR MAXIMUM DENSITY PER A.S.T.M. TEST D-1557. MOISTURE CONTENT AT TIME OF PLACEMENT SHALL NOT EXCEED 2% ABOVE NOR 3% BELOW OPTIMUM. CONTRACTOR SHALL SUBMIT A COMPACTION REPORT PREPARED BY A QUALIFIED SOILS ENGINEER, REGISTERED WITHIN THE STATE WHERE THE WORK IS PERFORMED, VERIFYING THAT ALL FILLED AREAS AND SURFACES WITHIN THE BUILDING PAD AREA AND AREAS TO BE PAVED HAVE BEEN COMPACTED IN ACCORDANCE WITH THESE PLANS AND SPECS.
  - CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF EXISTING TOPOGRAPHIC INFORMATION AND UTILITY ELEVATIONS PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION. CONTRACTOR TO ENSURE 0.75% MIN. SLOPE AGAINST ALL ISLANDS, GUTTERS, CURBS AND 1.0% ON ALL CONCRETE SURFACES, AND 1-1/2% MIN. ON ASPHALT, TO PREVENT PONDING. ANY DISCREPANCIES THAT MAY AFFECT THE PUBLIC SAFETY OR PROJECT COST, MUST BE IDENTIFIED TO THE ENGINEER IN WRITING IMMEDIATELY. PROCEEDING WITH CONSTRUCTION WITH DESIGN DISCREPANCIES IS DONE SO AT THE CONTRACTOR'S OWN RISK.
  - PROPOSED TOP OF CURB ELEVATIONS ARE GENERALLY 6" ABOVE EXISTING LOCAL ASPHALT GRADE UNLESS OTHERWISE NOTED. FIELD ADJUST TO CREATE A MIN. OF 0.75% GUTTER GRADE ALONG CURB FACE. ENGINEER TO APPROVE FINAL CURBING CUT SHEETS PRIOR TO INSTALLATION.
  - SURFACE MATERIAL FOR SIDEWALKS, CURBS, OR ASPHALT SHALL BE FREE OF ORGANICS AND OTHER UNSUITABLE MATERIALS. SHOULD SUBBASE BE DEEMED UNSUITABLE, SUBBASE IS TO BE REMOVED AND FILLED WITH APPROVED FILL MATERIAL COMPACTED TO 95% OPTIMUM DENSITY (AS DETERMINED BY MODIFIED PROCTOR METHOD).
  - MAXIMUM CROSS SLOPE OF 1.50% ON ALL SIDEWALKS.
  - CONTRACTOR TO ENSURE A MAXIMUM OF 1.80% CROSS SLOPE IN ALL DIRECTIONS IN ADA PARKING SPACES. CONTRACTOR TO ENSURE MAXIMUM OF 1.50% CROSS SLOPE AND 4.50% RUNNING SLOPE ALONG ACCESSIBLE ROUTES.
  - THE CONTRACTOR IS RESPONSIBLE FOR AS-BUILT PLANS AND GRADE CONTROL UNLESS DEFINED OTHERWISE ELSEWHERE IN THE CONTRACT DOCUMENTS.
  - CURB GUTTER CROSS SLOPE TO BE IN SAME DIRECTION AS ADJACENT PAVEMENT SLOPE.
  - CONTRACTOR TO ENSURE COUNTER SLOPE ON CONC. GUTTER AT RAMPS DOES NOT EXCEED 4.5%.
  - EXIST. LANDSCAPING TO BE REPLANTED/REPLACED AS NEEDED (TYP).
  - ADJUST EXISTING RIMS, LIDS, C/O'S AND COVERS TO MATCH FINISH GRADES.

- ADA NOTES**
- ALL SLOPES INDICATED ARE ACTUAL. CONTRACTOR TO REFER TO LATEST ADA GUIDELINES FOR SLOPE LIMITS. AT THE TIME OF PLAN DESIGN, THE SLOPE LIMITS ARE AS FOLLOWS:
- SIDEWALKS/ ACCESSIBLE ROUTES**
- RUNNING SLOPE: 1:20 (5%) MAX. (4.5% MAX. FOR NEW CONSTRUCTION)
  - CROSS SLOPE: 1:48 (2.08%) MAX. (1.5% MAX. FOR NEW CONSTRUCTION)
  - ADA REQUIRED MANEUVERING CLEARANCE/LANDING AREA SLOPE: 1:48 (2.08%) MAX. IN ALL DIRECTIONS (1.5% MAX. FOR NEW CONSTRUCTION)
  - ADA REQUIRED MANEUVERING CLEARANCE AT DOOR TO BE KEPT CLEAR
- CHANGE IN LEVELS:** 1" MAX. HEIGHT OR 1/2" MAX. HEIGHT WITH BEVELED EDGE BEVELED EDGE SLOPE OF 1:2 (50%) MAX.  
- GAPS: 1/2" MAX. WIDTH
- CURB RAMP**
- SLOPE: 1:12 (8.33%) MAX. (7.5% MAX. FOR NEW CONSTRUCTION)
  - SIDE FLARE SLOPE: 1:10 (10%) MAX. (ALONG CURB TRANSITION)
  - BOTTOM LANDING: MIN. 48" x 60"; 1:48 MAX. (2.08%) IN ALL DIRECTIONS (1.5% MAX. FOR NEW CONSTRUCTION)
  - TOP LANDING: 36" MIN. LENGTH, 60" IN FRONT OF DOORS; WIDTH TO MATCH CURB RAMP; 1:48 MAX. (2.08%) CROSS SLOPE (1.5% MAX. FOR NEW CONSTRUCTION) AND 1:20 (5%) RUNNING SLOPE (4.5% MAX. FOR NEW CONSTRUCTION)
  - COUNTER SLOPES OF ADJOINING GUTTERS AND PAVEMENT SHALL NOT BE STEEPER THAN 1:20 (5.0%) (4.5% MAX. FOR NEW CONSTRUCTION) WITH A MAX. CROSS SLOPE OF 1:48 (2.08%) (1.5% MAX. FOR NEW CONSTRUCTION).
  - MAX. RISE: 6"
- ACCESSIBILITY PARKING STALLS**
- SPACE AND ACCESS AISLE SLOPE: 1:48 MAX. (2.08%) IN ALL DIRECTIONS (1.8% MAX. FOR NEW CONSTRUCTION)
- CROSSWALKS**
- RUNNING SLOPE: 1:20 (5%) MAX. (4.5% MAX. FOR NEW CONSTRUCTION)
  - CROSS SLOPE: 1:48 (2.08%) MAX. (1.5% MAX. FOR NEW CONSTRUCTION)
  - CHANGE IN LEVELS: 1" MAX. HEIGHT OR 1/2" MAX. HEIGHT WITH BEVELED EDGE BEVELED EDGE SLOPE OF 1:2 (50%) MAX.
  - GAPS: 1/2" MAX.
- RAMPS**
- SLOPE: 1:12 (8.33%) MAX. (7.5% MAX. FOR NEW CONSTRUCTION)
  - MAX. RISE: 36"
  - MIN. CLEAR WIDTH: 36"
  - MIN. LANDING CLEAR LENGTH: 60"
  - MAX. CROSS SLOPE: 1:48 (2.08%) (1.5% MAX. FOR NEW CONSTRUCTION)
- ADA NOTES CONFORM TO MOST CURRENT EDITION OF THE AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADAAG).

- EXISTING UTILITY NOTES**
- EXISTING WATER SERVICE NOTE:** CONTRACTOR TO LOCATE AND UTILIZE EXISTING WATER SERVICE CONNECTION IF FEASIBLE. OTHERWISE REMOVE EXISTING WATER SERVICE LINE AND CAP AT MAIN IN R.O.W. IN ACCORDANCE WITH THE LOCAL WATER COMPANY REQUIREMENTS. TERMINATION AT THE MAIN MUST BE APPROVED BY THE LOCAL WATER COMPANY PRIOR TO COMPLETION. IF THE EXISTING WATER SERVICE CAN NOT BE UTILIZED, THE NEW SERVICE IS TO BE COORDINATED AND VERIFIED FOR LOCATION WITH THE LOCAL WATER COMPANY. CONTRACTOR SHALL OBTAIN ALL REQUIRED STREET OPENING PERMITS FOR REMOVAL OF EXISTING SERVICE AND INSTALLATION OF NEW SERVICE.
- EXISTING GAS SERVICE NOTE:** CONTRACTOR TO LOCATE AND UTILIZE EXISTING GAS SERVICE CONNECTION IF FEASIBLE. OTHERWISE REMOVE EXISTING GAS SERVICE LINE AND CAP AT MAIN IN R.O.W. IN ACCORDANCE WITH THE LOCAL GAS COMPANY REQUIREMENTS. TERMINATION AT THE MAIN MUST BE APPROVED BY THE LOCAL GAS COMPANY PRIOR TO COMPLETION. ANY NEW SERVICE IS TO BE COORDINATED AND VERIFIED FOR LOCATION WITH THE LOCAL GAS COMPANY. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED STREET OPENING PERMITS FOR REMOVAL OF EXISTING SERVICE AND INSTALLATION OF NEW SERVICE.
- SANITARY SEWER SERVICE NOTE:** CONTRACTOR TO LOCATE AND UTILIZE EXISTING SEWER SERVICE CONNECTION IF OF ADEQUATE SIZE AND INTEGRITY AND ACCEPTABLE TO LOCAL SEWER AUTHORITY. OTHERWISE CONTRACTOR TO REMOVE EXISTING SEWER SERVICE LINE AND CAP AT MAIN IN R.O.W. IN ACCORDANCE WITH THE LOCAL SEWER AUTHORITY REQUIREMENTS. TERMINATION AT THE MAIN MUST BE APPROVED BY THE LOCAL SEWER AUTHORITY PRIOR TO COMPLETION. IF EXISTING SEWER SERVICE CAN NOT BE UTILIZED THEN THE NEW SERVICE IS TO BE COORDINATED AND VERIFIED FOR LOCATION WITH THE LOCAL SEWER AUTHORITY. CONTRACTOR SHALL OBTAIN ALL REQUIRED STREET OPENING PERMITS FOR REMOVAL OF EXISTING SERVICE AND INSTALLATION OF NEW SERVICE.



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**GRADING/UTILITY GRAPHIC LEGEND**

EXIST. GUY WIRE	PROPERTY LINE (PARCEL IN QUESTION)	EXIST. UNDERGROUND ELEC./TELE. SERVICE (NO. & SIZE OF CONDUITS NOT DEFINED)	EXIST. SPOT ELEVATIONS
EXIST. LIGHT POLE	OFF-SITE PROPERTY LINES	PROP. UNDERGROUND ELEC./TELE. SERVICE (NO. & SIZE OF CONDUITS NOT DEFINED)	EXIST. GUTTER ELEV.
EXIST. BUILDING LIGHT	EXIST. MONITORING WELL	EXIST. SANITARY SEWER LINE	EXIST. TOP OF CURB ELEV.
EXIST. SHOE BOX LIGHT	APPROX. TEST PIT LOCATION	PROP. SANITARY SEWER LINE	EXIST. FINISH FLOOR ELEV.
EXIST. COBRA LIGHT POLE	EXIST. FIRE HYDRANT	EXIST. FORCE MAIN	EXIST. GARAGE FLOOR ELEV.
EXIST. TRAFFIC SIGNAL POLE	PROP. WATER VALVE	PROP. FORCE MAIN	PROP. GRADE SPOT ELEV.
EXIST. MANHOLE	PROP. GAS VALVE	EXIST. STORM DRAIN LINE	PROP. TOP OF CURB & FINISHED GRADE ELEV.
EXIST. "A" INLET	PROP. STORM CLEANOUT	PROP. STORM DRAIN LINE	PROP. FINISHED FLOOR ELEV.
EXIST. "B" INLET	PROP. SANITARY CLEANOUT	UNDERGROUND UTILITY QUALITY LEVEL	PROP. TOP OF WALL & FINISHED GRADE @ LOW SIDE OF WALL (ACTUAL BOTTOM OF WALL FOOTING TO BE ESTABLISHED BY WALL DESIGNER)
EXIST. "C" INLET	PROP. AREA LIGHT	EXIST. MINOR CONTOUR & ELEVATION	PROP. TOP OF EXTENDED CURB @ HIGH SIDE OF EXTENDED CURB & (2) FINISHED GRADE @ LOW SIDE OF EXTENDED CURB
EXIST. "D" INLET	PROP. OUTLET CONTROL STRUCTURE	EXIST. MAJOR CONTOUR & ELEVATION	
EXIST. "E" INLET	PROP. DRAINAGE MANHOLE	PROP. FINISH GRADE CONTOUR & ELEVATION	
EXIST. YARD INLET	PROP. SANITARY SEWER MANHOLE	PROP. DIRECTION OF DRAINAGE FLOW ARROW	
EXIST. FLARED END SECTION	PROP. "A" INLET		
EXIST. HEADWALL	PROP. "B" INLET		
EXIST. UTILITY POLE	PROP. "C" INLET		
	PROP. "D" INLET		
	PROP. "E" INLET		
	PROP. "F" INLET		
	PROP. "G" INLET		
	PROP. "H" INLET		
	PROP. "I" INLET		
	PROP. "J" INLET		
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	PROP. "T" INLET		
	PROP. "U" INLET		
	PROP. "V" INLET		
	PROP. "W" INLET		
	PROP. "X" INLET		
	PROP. "Y" INLET		
	PROP. "Z" INLET		
	PROP. FLARED END SECTION		
	PROP. HEADWALL		

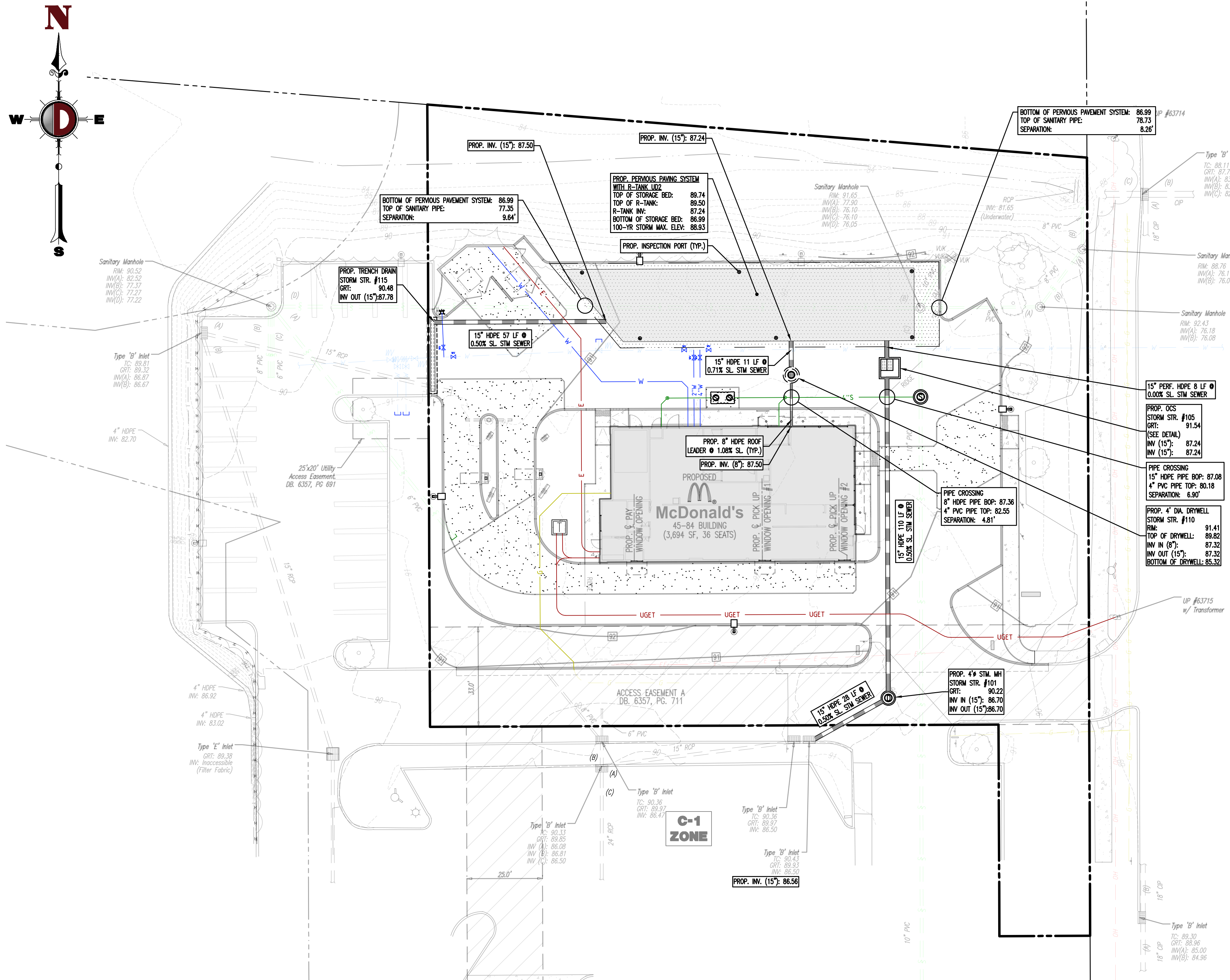
**JOSEPH C. SPARONE** PROFESSIONAL ENGINEER  
NEW JERSEY LICENSE NO. 47204

**TIAGO F. DUARTE** PROFESSIONAL ENGINEER  
NEW JERSEY LICENSE NO. 52588

0114-23-01590  
**C-5**  
SHEET 5 OF 21

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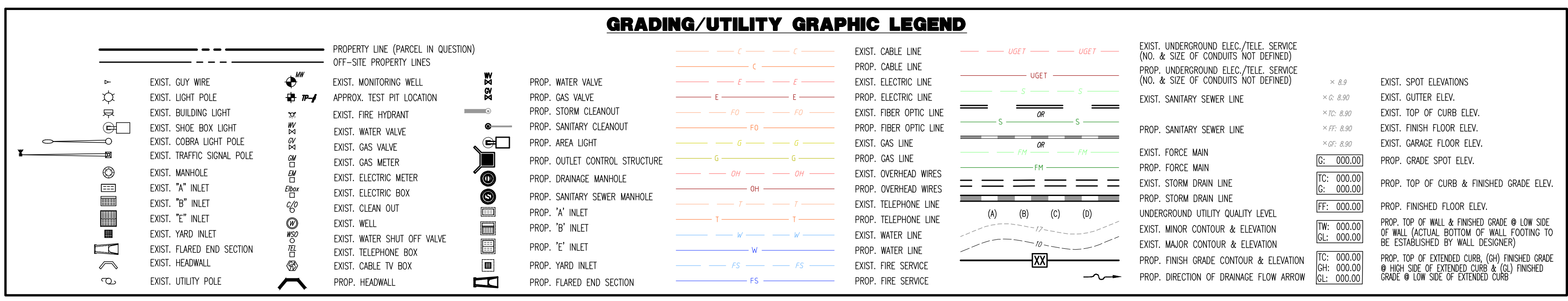
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File: P:\CEPC PROJECTS\0114 McDonald\A\23-01590 Esham\ NJ LC 29-1564\DWG\Site Plans\01142301590S00.dwg, ----> 05 GRADING PLAN



**NEW JERSEY STATE HIGHWAY ROUTE NO. 73**  
 (126' ROW WIDTH PER TAX MAP)  
 (ASPHALT ROADWAY (55 MPH SPEED LIMIT))

**EXISTING UTILITY NOTES**  
 EXISTING WATER SERVICE NOTE: CONTRACTOR TO LOCATE AND UTILIZE EXISTING WATER SERVICE CONNECTION IF FEASIBLE. OTHERWISE REMOVE EXISTING WATER SERVICE LINE AND CAP AT MAIN IN R.O.W. IN ACCORDANCE WITH THE LOCAL WATER COMPANY REQUIREMENTS. TERMINATION AT THE MAIN MUST BE APPROVED BY THE LOCAL WATER COMPANY PRIOR TO COMPLETION. IF THE EXISTING WATER SERVICE CAN NOT BE UTILIZED, THE NEW SERVICE IS TO BE COORDINATED AND VERIFIED FOR LOCATION WITH THE LOCAL WATER COMPANY. CONTRACTOR SHALL OBTAIN ALL REQUIRED STREET OPENING PERMITS FOR REMOVAL OF EXISTING SERVICE AND INSTALLATION OF NEW SERVICE.  
 EXISTING GAS SERVICE NOTE: CONTRACTOR TO LOCATE AND UTILIZE EXISTING GAS SERVICE CONNECTION IF FEASIBLE. OTHERWISE REMOVE EXISTING GAS SERVICE LINE AND CAP AT MAIN IN R.O.W. IN ACCORDANCE WITH THE LOCAL GAS COMPANY REQUIREMENTS. TERMINATION AT THE MAIN MUST BE APPROVED BY THE LOCAL GAS COMPANY PRIOR TO COMPLETION. ANY NEW SERVICE IS TO BE COORDINATED AND VERIFIED FOR LOCATION WITH THE LOCAL GAS COMPANY. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED STREET OPENING PERMITS FOR REMOVAL OF EXISTING SERVICE AND INSTALLATION OF NEW SERVICE.  
 SANITARY SEWER SERVICE NOTE: CONTRACTOR TO LOCATE AND UTILIZE EXISTING SEWER SERVICE CONNECTION IF OF ADEQUATE SIZE AND INTEGRITY AND ACCEPTABLE TO LOCAL SEWER AUTHORITY. OTHERWISE CONTRACTOR TO REMOVE EXISTING SEWER SERVICE LINE AND CAP AT MAIN IN R.O.W. IN ACCORDANCE WITH THE LOCAL SEWER AUTHORITY REQUIREMENTS. TERMINATION AT THE MAIN MUST BE APPROVED BY THE LOCAL SEWER AUTHORITY PRIOR TO COMPLETION. IF EXISTING SEWER SERVICE CAN NOT BE UTILIZED THEN THE NEW SERVICE IS TO BE COORDINATED AND VERIFIED FOR LOCATION WITH THE LOCAL SEWER AUTHORITY. CONTRACTOR SHALL OBTAIN ALL REQUIRED STREET OPENING PERMITS FOR REMOVAL OF EXISTING SERVICE AND INSTALLATION OF NEW SERVICE.

**DRAINAGE NOTES**  
 1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY UTILITY "ONE-CALL" NUMBER 72 HOURS PRIOR TO ANY EXCAVATION ON THIS SITE. CONTRACTOR SHALL ALSO NOTIFY LOCAL WATER & SEWER DEPARTMENTS TO MARK-OUT THEIR UTILITIES.  
 2. ROOF LEADER COLLECTION PIPING ARE CONCEPTUAL IN NATURE AND ARE NOT FOR CONSTRUCTION. ACTUAL ROOF LEADER COLLECTION PIPING IS TO BE COORDINATED W/ ARCHITECTURAL PLANS FOR EACH INDIVIDUAL BUILDING. ALL ROOF LEADER COLLECTION PIPING SHALL BE SCHEDULE 40 PVC UNLESS OTHERWISE DESIGNATED.  
 3. MANUFACTURED REINFORCED CONCRETE STORM PIPE TO CONFORM TO ASTM C-76, CLASS III, UNLESS OTHERWISE DESIGNATED. MANUFACTURED REINFORCED CONCRETE ELLIPTICAL STORM PIPE TO CONFORM TO ASTM C-507, CLASS HE-III, UNLESS OTHERWISE DESIGNATED. REINFORCED CONCRETE STORMWATER PIPE TO BE INSTALLED IN ACCORDANCE WITH AMERICAN CONCRETE PIPE ASSOCIATION INSTALLATION GUIDELINES AND MORTAR OR PREFORMED FLEXIBLE JOINT SEAMANTS IN ACCORDANCE WITH ASTM C 990 TO BE UTILIZED TO PROVIDE A SILENT JOINT, WHERE SPECIFICALLY INDICATED, REINFORCED CONCRETE STORM PIPE JOINTS SHALL BE WATER-TIGHT AND CONFORM TO ASTM C-443.  
 4. HOPE DRAINAGE PIPE SHALL HAVE A SMOOTH WALL INTERIOR WITH ANNUAL EXTERIOR CORRUGATIONS AND CONFORM TO ASTM F2306. SOLID PIPE SHALL HAVE GASKETED WATER-TIGHT JOINTS MEETING THE REQUIREMENTS OF ASTM F2306 AND ASTM D3212. PERFORMED PIPE SHALL HAVE GASKETED SILENT-TIGHT JOINTS MEETING THE REQUIREMENTS OF ASTM F2306 AND ASTM F477. HOPE PIPE SHALL BE FROM A MANUFACTURER WHO IS AN EASTERN STATES CONSORTIUM (ESC) QUALIFIED MANUFACTURER OF HOPE PIPE AND INSTALLED IN ACCORDANCE WITH PIPE MANUFACTURER RECOMMENDATIONS.  
 5. HP DRAINAGE PIPE SHALL HAVE A SMOOTH WALL INTERIOR WITH ANNUAL EXTERIOR CORRUGATIONS AND CONFORM TO ASTM F2736 (12"-30" PIPE) AND ASTM F2881 (36"-60" PIPE). PIPE SHALL HAVE GASKETED WATER-TIGHT JOINTS MEETING THE REQUIREMENTS OF ASTM D3212 AND ASTM F477. FIELD WATER-TIGHTNESS PERFORMANCE VERIFICATION MAY BE ACCOMPLISHED IN ACCORDANCE WITH ASTM F2487. HP PIPE SHALL BE FROM A MANUFACTURER WHO IS AN EASTERN STATES CONSORTIUM (ESC) QUALIFIED MANUFACTURER OF HP STORM PIPE AND INSTALLED IN ACCORDANCE WITH PIPE MANUFACTURER RECOMMENDATIONS.  
 6. PIPE LENGTHS ON THIS PLAN HAVE BEEN MEASURED AS THE DISTANCE BETWEEN THE CENTER POINT OF THE 2 CONNECTED STRUCTURES. ACTUAL PHYSICAL PIPE LENGTH FOR INSTALLATION IS EXPECTED TO BE LESS AND SHOULD BE ACCOUNTED FOR BY THE CONTRACTOR ACCORDINGLY.



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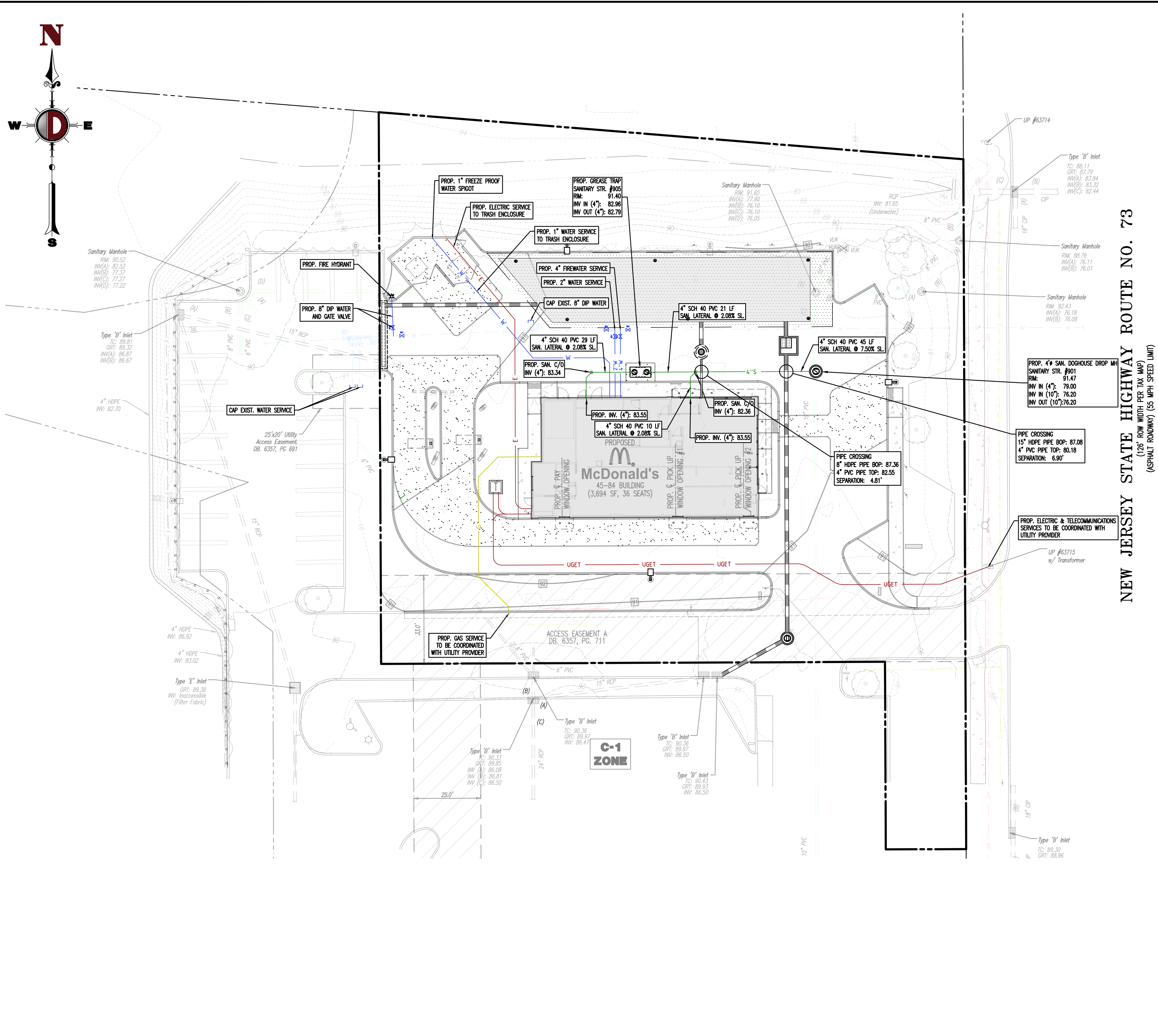
**JOSEPH C. SPARONE** PROFESSIONAL ENGINEER  
 NEW JERSEY LICENSE NO. 47204

**TIAGO F. DUARTE** PROFESSIONAL ENGINEER  
 NEW JERSEY LICENSE NO. 52588

**McDonald's USA, LLC**  
 PROPOSED McDONALD'S RESTAURANT  
 BUILDING 45-84  
 DRAINAGE PLAN

0114-23-01590  
**C-6**  
 SHEET 6 OF 21

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DATE ISSUED: 05/14/2025	DATE ISSUED: 05/14/2025
TITLE: PROPOSED McDONALD'S RESTAURANT BUILDING 45-84 DRAINAGE PLAN	SHEET NO.: C-6 OF 21
L/C#: 29-1564	TOWNSHIP OF EVESHAM, NJ L/C#: 29-1564
SITE ADDRESS: BLOCK 8 LOT 407, 411 N.J.S.H. ROUTE 73 SOUTH, TOWNSHIP OF EVESHAM, BERKSHIRE COUNTY, NEW JERSEY	DATE: 05/14/2025



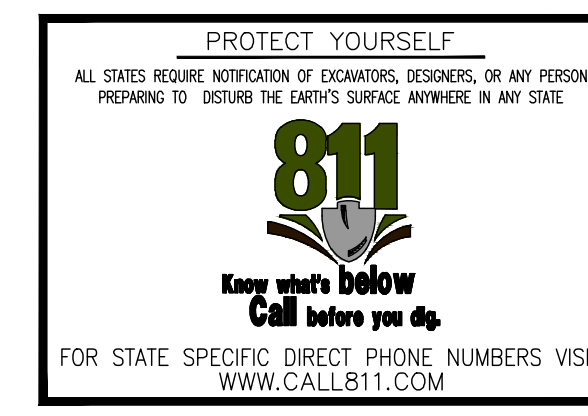
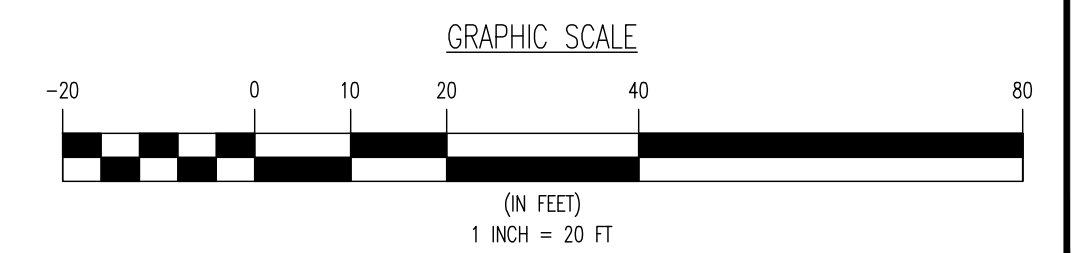
**NEW JERSEY STATE HIGHWAY ROUTE NO. 73**  
 (20' ROW WIDTH PER TAX MAP)  
 (ASPHALT ROADWAY (55 MPH SPEED LIMIT))

**EXISTING UTILITY NOTES**  
 EXISTING WATER SERVICE NOTE: CONTRACTOR TO LOCATE AND UTILIZE EXISTING WATER SERVICE CONNECTION IF FEASIBLE. OTHERWISE REMOVE EXISTING WATER SERVICE LINE AND CAP AT MAIN IN R.O.W. IN ACCORDANCE WITH THE LOCAL WATER COMPANY REQUIREMENTS. TERMINATION AT THE MAIN MUST BE APPROVED BY THE LOCAL WATER COMPANY PRIOR TO COMPLETION. IF THE EXISTING WATER SERVICE CAN NOT BE UTILIZED, THE NEW SERVICE IS TO BE COORDINATED AND VERIFIED FOR LOCATION WITH THE LOCAL WATER COMPANY. CONTRACTOR SHALL OBTAIN ALL REQUIRED STREET OPENING PERMITS FOR REMOVAL OF EXISTING SERVICE AND INSTALLATION OF NEW SERVICE.  
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- UTILITY NOTES**
- LOCATION OF ALL EXISTING AND PROPOSED SERVICES ARE APPROXIMATE AND MUST BE CONFIRMED INDEPENDENTLY WITH LOCAL UTILITY COMPANIES PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION OR EXCAVATION. SANITARY SEWER AND ALL OTHER UTILITY SERVICE CONNECTION POINTS SHALL BE CONFIRMED INDEPENDENTLY BY THE CONTRACTOR IN FIELD PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. ALL DISCREPANCIES SHALL BE REPORTED IMMEDIATELY IN WRITING TO THE ENGINEER. CONSTRUCTION SHALL COMMENCE BEGINNING AT THE LOWEST INVERT (POINT OF CONNECTION) AND PROGRESS UP GRADIENT. INTERFACE POINTS (CROSSINGS) WITH EXISTING UNDERGROUND UTILITIES SHALL BE FIELD VERIFIED BY TEST PIT PRIOR TO COMMENCEMENT OF CONSTRUCTION.
  - IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY UTILITY "ONE-CALL" NUMBER 72 HOURS PRIOR TO ANY EXCAVATION ON THIS SITE. CONTRACTOR SHALL ALSO NOTIFY LOCAL WATER & SEWER DEPARTMENTS TO MARK-OUT THEIR UTILITIES.
  - REFER TO ARCHITECTURAL DRAWINGS FOR EXACT BUILDING UTILITY CONNECTION LOCATIONS. WHERE CONFLICTS EXIST WITH THESE SITE PLANS, ENGINEER IS TO BE NOTIFIED PRIOR TO CONSTRUCTION TO RESOLVE SAME. SERVICE SIZES TO BE DETERMINED BY ARCHITECT.
  - WATER SERVICE MATERIALS SHALL BE SPECIFIED BY THE LOCAL UTILITY COMPANY. CONTRACTORS PRICE FOR WATER SERVICE SHALL INCLUDE ALL FEES AND APPURTENANCES REQUIRED BY THE UTILITY TO PROVIDE A COMPLETE WORKING SERVICE.
  - ALL WATER MAIN SHALL BE CEMENT-LINED, CLASS 52 DUCTILE IRON PIPE, UNLESS OTHERWISE DESIGNATED.
  - THE MINIMUM DIAMETER FOR DOMESTIC WATER SERVICES SHALL BE 1 INCH.
  - ALL SANITARY SEWER MAINS SHALL BE SEPARATED FROM WATER MAINS BY A DISTANCE OF AT LEAST 10 FEET HORIZONTALLY. IF SUCH SEPARATION IS NOT POSSIBLE, THE PIPES SHALL BE IN SEPARATE TRENCHES WITH THE SEWER MAIN AT LEAST 18 INCHES BELOW THE WATER MAIN OR SUCH OTHER SEPARATION AS APPROVED BY THE APPROVING AUTHORITY. WHERE APPROPRIATE CROSSING SEPARATION FROM A WATER MAIN IS NOT POSSIBLE, THE SEWER SHALL BE ENCASED IN CONCRETE OR CONSTRUCTED OF DUCTILE IRON PIPE USING MECHANICAL OR SIP-ON JOINTS FOR A DISTANCE OF AT LEAST 10 FEET ON EITHER SIDE OF THE CROSSING. IN ADDITION, ONE FULL LENGTH OF SEWER PIPE SHOULD BE LOCATED SO BOTH JOINTS WILL BE AS FAR FROM THE WATER MAIN AS POSSIBLE. WHERE A WATER MAIN CROSSES UNDER A SEWER, ADEQUATE STRUCTURAL SUPPORT FOR THE SEWER SHALL BE PROVIDED. THE APPROVING AUTHORITY MAY REQUIRE ADDITIONAL STRUCTURAL SUPPORT FOR STORM SEWER CROSSING OVER SEWER LINES.
  - ALL SANITARY SEWER MAINS SHALL BE 30R-35 PVC PIPE MATERIAL UNLESS OTHERWISE DESIGNATED. SEWER PIPES INSTALLED WITH LESS THAN 3 FEET OF COVER, GREATER THAN 20 FEET OF COVER OR WITHIN 18 INCHES OF A WATER MAIN SHALL BE CONSTRUCTED OF DUCTILE IRON PIPE. ALL DUCTILE IRON SEWER PIPE SHALL BE CEMENT-LINED, CLASS 52 PIPE, FURNISHED WITH SEWER COAT, OR APPROVED EQUAL.
  - WHERE SANITARY SEWER LATERALS ARE GREATER THAN 10' DEEP AT CONNECTION TO THE SEWER MAIN, CONCRETE DEEP LATERAL CONNECTIONS ARE TO BE UTILIZED.
  - THE CONTRACTOR IS RESPONSIBLE FOR THE STABILIZATION OF THE EXISTING SEWER MAIN, STRUCTURES AND APPURTENANCES DURING CONNECTION.
  - LOCATION & LAYOUT OF GAS, ELECTRIC & TELECOMMUNICATION UTILITY LINES AND SERVICES SHOWN ON THESE PLANS ARE SCHEMATIC IN NATURE. ACTUAL LOCATION & LAYOUT OF THESE UTILITIES & SERVICES ARE TO BE PER THE APPROPRIATE UTILITY PROVIDER.
  - ALL SEWER AND WATER FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE REGULATORY AUTHORITY'S RULES AND REGULATIONS.
  - ALL PROPOSED UTILITIES TO BE INSTALLED UNDERGROUND UNLESS OTHERWISE NOTED.

**GRADING/UTILITY GRAPHIC LEGEND**

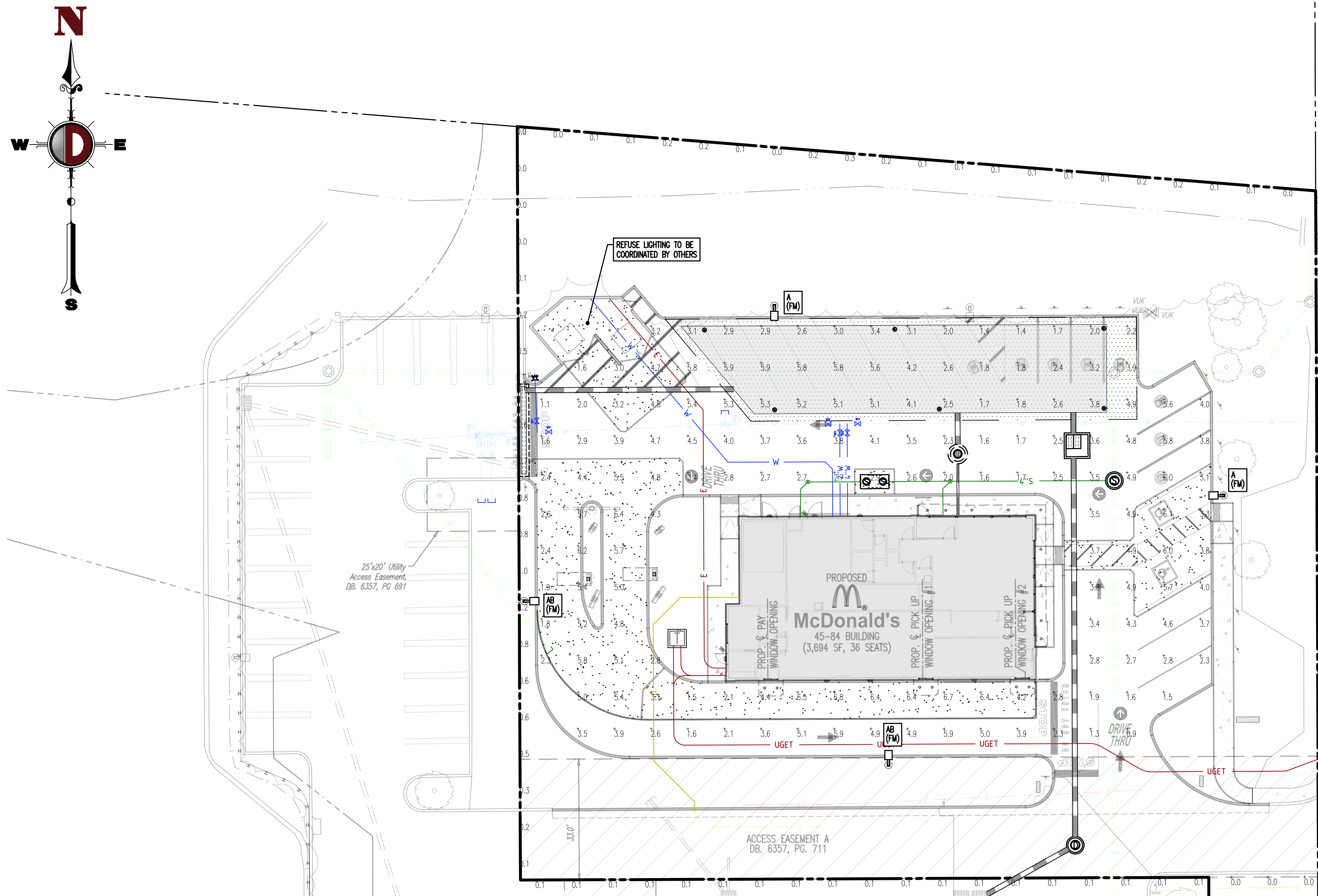
<ul style="list-style-type: none"> <li>EXIST. GUY WIRE</li> <li>EXIST. LIGHT POLE</li> <li>EXIST. BUILDING LIGHT</li> <li>EXIST. SHOE BOX LIGHT</li> <li>EXIST. COBRA LIGHT POLE</li> <li>EXIST. TRAFFIC SIGNAL POLE</li> <li>EXIST. MANHOLE</li> <li>EXIST. "A" INLET</li> <li>EXIST. "B" INLET</li> <li>EXIST. "C" INLET</li> <li>EXIST. YARD INLET</li> <li>EXIST. FLARED END SECTION</li> <li>EXIST. HEADWALL</li> <li>EXIST. UTILITY POLE</li> </ul>	<ul style="list-style-type: none"> <li>PROPERTY LINE (PARCEL IN QUESTION)</li> <li>OFF-SITE PROPERTY LINES</li> <li>EXIST. MONITORING WELL</li> <li>APPROX. TEST PIT LOCATION</li> <li>EXIST. FIRE HYDRANT</li> <li>EXIST. WATER VALVE</li> <li>EXIST. GAS METER</li> <li>EXIST. ELECTRIC METER</li> <li>EXIST. ELECTRIC BOX</li> <li>EXIST. CLEAN OUT</li> <li>EXIST. WELL</li> <li>EXIST. WATER SHUT OFF VALVE</li> <li>EXIST. TELEPHONE BOX</li> <li>EXIST. CABLE TV BOX</li> <li>PROP. HEADWALL</li> </ul>	<ul style="list-style-type: none"> <li>PROP. WATER VALVE</li> <li>PROP. GAS VALVE</li> <li>PROP. STORM CLEANOUT</li> <li>PROP. SANITARY CLEANOUT</li> <li>PROP. AREA LIGHT</li> <li>PROP. OUTLET CONTROL STRUCTURE</li> <li>PROP. DRAINAGE MANHOLE</li> <li>PROP. SANITARY SEWER MANHOLE</li> <li>PROP. "A" INLET</li> <li>PROP. "B" INLET</li> <li>PROP. "C" INLET</li> <li>PROP. "E" INLET</li> <li>PROP. FLARED END SECTION</li> </ul>	<ul style="list-style-type: none"> <li>EXIST. CABLE LINE</li> <li>PROP. CABLE LINE</li> <li>EXIST. ELECTRIC LINE</li> <li>PROP. ELECTRIC LINE</li> <li>EXIST. FIBER OPTIC LINE</li> <li>PROP. FIBER OPTIC LINE</li> <li>EXIST. GAS LINE</li> <li>PROP. GAS LINE</li> <li>EXIST. OVERHEAD WIRES</li> <li>PROP. OVERHEAD WIRES</li> <li>EXIST. TELEPHONE LINE</li> <li>PROP. TELEPHONE LINE</li> <li>EXIST. WATER LINE</li> <li>PROP. WATER LINE</li> <li>EXIST. FIRE SERVICE</li> <li>PROP. FIRE SERVICE</li> </ul>	<ul style="list-style-type: none"> <li>EXIST. UNDERGROUND ELEC./TELE. SERVICE (NO. &amp; SIZE OF CONDUITS NOT DEFINED)</li> <li>PROP. UNDERGROUND ELEC./TELE. SERVICE (NO. &amp; SIZE OF CONDUITS NOT DEFINED)</li> <li>EXIST. SANITARY SEWER LINE</li> <li>PROP. SANITARY SEWER LINE</li> <li>EXIST. FORCE MAIN</li> <li>PROP. FORCE MAIN</li> <li>EXIST. STORM DRAIN LINE</li> <li>PROP. STORM DRAIN LINE</li> <li>UNDERGROUND UTILITY QUALITY LEVEL</li> <li>EXIST. MINOR CONTOUR &amp; ELEVATION</li> <li>EXIST. MAJOR CONTOUR &amp; ELEVATION</li> <li>PROP. FINISH GRADE CONTOUR &amp; ELEVATION</li> <li>PROP. DIRECTION OF DRAINAGE FLOW ARROW</li> </ul>	<ul style="list-style-type: none"> <li>EXIST. SPOT ELEVATIONS</li> <li>EXIST. GUTTER ELEV.</li> <li>EXIST. TOP OF CURB ELEV.</li> <li>EXIST. FINISH FLOOR ELEV.</li> <li>EXIST. GARAGE FLOOR ELEV.</li> <li>PROP. GRADE SPOT ELEV.</li> <li>PROP. TOP OF CURB &amp; FINISHED GRADE ELEV.</li> <li>PROP. FINISHED FLOOR ELEV.</li> <li>PROP. TOP OF WALL &amp; FINISHED GRADE @ LOW SIDE OF WALL (ACTUAL BOTTOM OF WALL FOOTING TO BE ESTABLISHED BY WALL DESIGNER)</li> <li>PROP. TOP OF EXTENDED CURB (2) FINISHED GRADE @ HIGH SIDE OF EXTENDED CURB &amp; (2) FINISHED GRADE @ LOW SIDE OF EXTENDED CURB</li> </ul>
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<p>80 Park Place, Suite 801                  Newark, NJ 07102                  www.dynamic.com</p> <p><b>DYNAMIC ENGINEERING</b>                  LAND DEVELOPMENT CONSULTING • PERMITTING • GEOTECHNICAL • ENVIRONMENTAL • SURVEY • PLANNING &amp; ZONING</p> <p>1000 South Main Street, 3rd Floor, Newark, NJ 07102                  973.235.2200                  1000 South Main Street, 3rd Floor, Newark, NJ 07102                  973.235.2200                  1000 South Main Street, 3rd Floor, Newark, NJ 07102                  973.235.2200</p>	<p>PREPARED BY:                  McDonald's Corporation</p> <p>PREPARED FOR:                  McDonald's USA, LLC</p> <p>These drawings and specifications are the confidential and proprietary property of McDonald's USA, LLC and shall not be copied or reproduced without written authorization. The contract documents were prepared and are not suitable for use on a different site or at a later time. Use of these drawings for reference or example on another project requires the approval of the engineer of record. The contract documents for use on another project is not authorized.</p>
<p>TITLE: <b>UTILITY PLAN</b></p> <p>PROJECT: <b>PROPOSED McDONALD'S RESTAURANT BUILDING 45-84</b></p> <p>DATE: <b>05/14/2025</b></p> <p>SCALE: <b>AS SHOWN</b></p>	<p>DATE: <b>05/14/2025</b></p> <p>BY: <b>TIAGO F. DUARTE</b></p> <p>REVIEWED BY: <b>TIAGO F. DUARTE</b></p> <p>DATE: <b>05/14/2025</b></p>
<p>PROJECT: <b>0114-23-01590</b></p> <p>SHEET: <b>7 OF 21</b></p>	<p>DATE: <b>05/14/2025</b></p> <p>BY: <b>TIAGO F. DUARTE</b></p> <p>REVIEWED BY: <b>TIAGO F. DUARTE</b></p> <p>DATE: <b>05/14/2025</b></p>





**GENERAL NOTES**

1. THIS LIGHTING PLAN ILLUSTRATES ILLUMINATION LEVELS CALCULATED FROM LABORATORY DATA TAKEN UNDER CONTROLLED CONDITIONS IN ACCORDANCE WITH ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA (IESNA) APPROVED METHODS. ACTUAL SITE ILLUMINATION LEVELS AND PERFORMANCE OF LUMINAIRES MAY VARY DUE TO VARIATIONS IN WEATHER, ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS, AND OTHER RELATED VARIABLE FIELD CONDITIONS.
2. ALL EXISTING CONDITIONS LIGHTING LEVELS ARE REPRESENTATIVE OF AN APPROXIMATION UTILIZING LABORATORY DATA FOR SIMILAR FIXTURES AND/OR ACTUAL FIELD MEASUREMENTS TAKEN WITH A LIGHT METER. DUE TO FACTORS SUCH AS FIXTURE MAINTENANCE, EQUIPMENT TOLERANCES, WEATHER CONDITIONS, ETC., ACTUAL LIGHTING LEVELS MAY DIFFER AND THE LIGHTING LEVELS DEPICTED ON THIS PLAN SHOULD BE CONSIDERED AS APPROXIMATE.
3. CONDUITS SHALL BE INSTALLED A MINIMUM OF 2 FEET BEHIND GUYARD POSTS.
4. ALL WIRING METHODS AND EQUIPMENT CONSTRUCTION SHALL CONFORM TO THE CURRENT NATIONAL ELECTRICAL CODE.
5. REFER TO ARCHITECTURAL PLANS FOR SITE WIRING DIAGRAM.
6. THIS PLAN IS PREPARED SPECIFICALLY TO ANALYZE THE LIGHTING LEVELS GENERATED BY THE PROPOSED ON-SITE LIGHTING ONLY. EXISTING LIGHT FIXTURES BEYOND THE EXTENTS OF THIS DEVELOPMENT/PROPERTY ARE NOT MODELED IN THIS DESIGN, AND MAY ALTER ACTUAL LIGHT LEVELS.

THIS PLAN HAS BEEN PREPARED BASED ON THE FOLLOWING REFERENCE:  
 POINT-BY-POINT FOOTCANDLE PLOT FOR MCDONALD'S - 741 NJ-73 Evesham, NJ 08043  
 SECURITY LIGHTING  
 DATED: 02/12/2025  
 DRAWING #: A250217A.GI

**LIGHTING LUMINAIRE SCHEDULE**

SYMBOL	QUANTITY	LABEL	MOUNTING HEIGHT	ARRANGEMENT	LIGHT LOSS FACTOR	DESCRIPTION
⊕	2	A	21'	SINGLE	0.85	RAR2-480L-240-5K7-4W
⊕	2	AB	21'	SINGLE	85	RAR2-480L-240-5K7-4W-BC

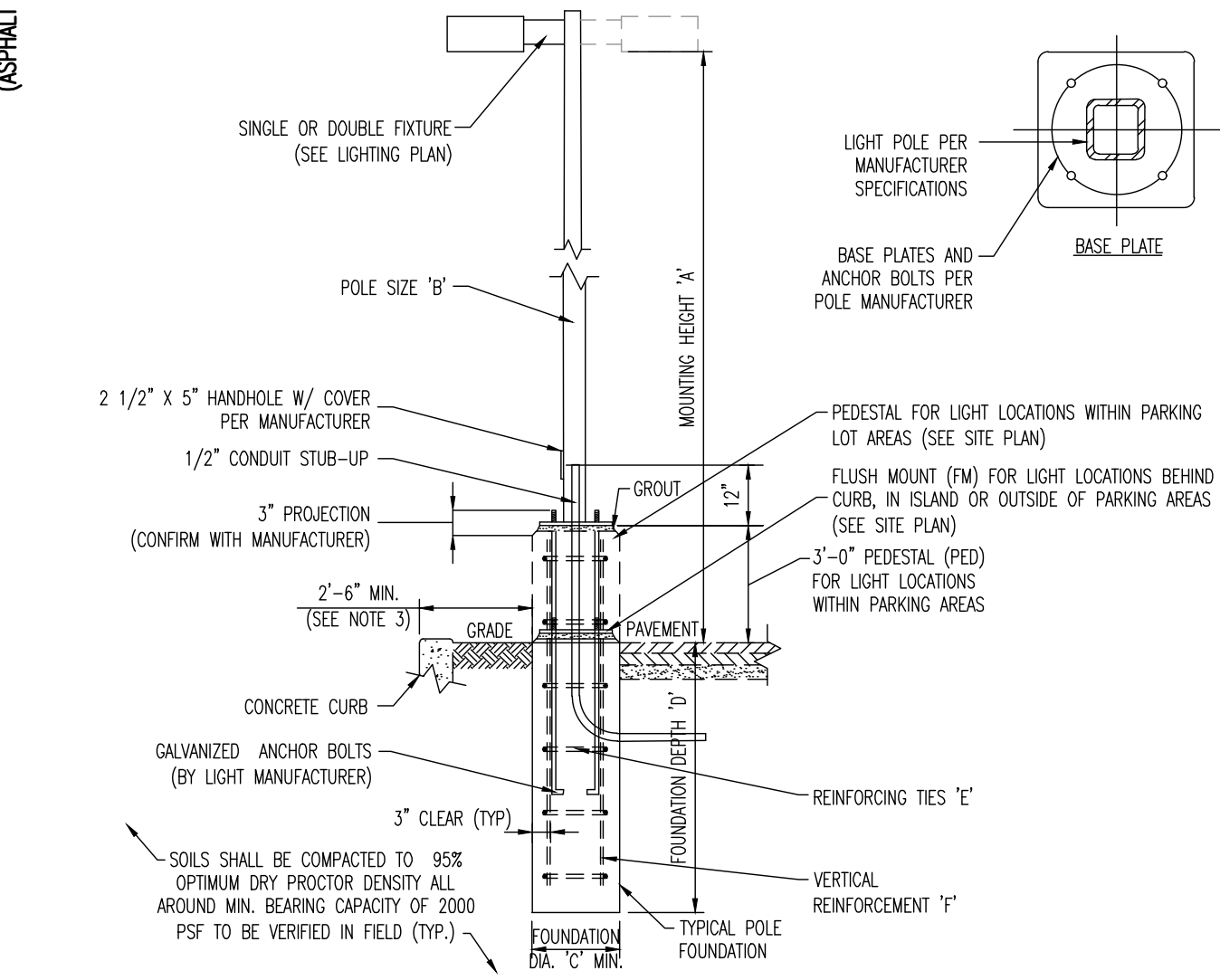
(FM) - FLUSH MOUNT FOUNDATION (PED) - PEDESTAL FOUNDATION  
 THE CALCULATIONS SHOWN WERE MADE UTILIZING ACCEPTED PROCEDURES OF THE ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA. VARIATIONS IN LAMP OUTPUT, BALLAST OUTPUT, LINE VOLTAGE, DIRT DEPRECIATION, AND OTHER FACTORS MAY AFFECT ACTUAL RESULTS. UNLESS OTHERWISE STATED, ALL RESULTS ARE MAINTAINED VALUES, UTILIZING ACCEPTED LIGHT LOSS FACTORS (LLF).

**STATISTICAL AREA SUMMARY**

LABEL	CALC TYPE	UNITS	AVG	MAX	MIN	AVG/MIN	MAX/MIN
PAVED SURFACES	ILLUMINANCE	Fc	3.73	6.80	0.90	4.14	7.56
PROPERTY LINE	ILLUMINANCE	Fc	0.20	1.20	0.00	N/A	N/A
WALKWAY	ILLUMINANCE	Fc	2.25	5.80	0.40	5.63	14.50

**LIGHTING REQUIREMENTS**

1. THE LIGHTING PLAN IN AND AROUND THE PARKING AREAS SHALL PROVIDE FOR NONGLARE LIGHTS FOCUSED DOWNWARD. THE LIGHT INTENSITY PROVIDED AT GROUND LEVEL SHALL BE INDICATED IN FOOTCANDLES ON THE LIGHTING SITE PLANS AND SHALL AVERAGE AT LEAST 0.5 FOOTCANDLES AT INTERSECTIONS. LIGHTING SHALL BE PROVIDED BY FIXTURES WITH A MOUNTING HEIGHT NOT MORE THAN 25 FEET OR THE HEIGHT OF THE BUILDING, WHICHEVER IS LESS, MEASURED FROM THE GROUND LEVEL TO THE CENTER LINE OF THE LIGHT SOURCE. (§ 62-558) (COMPLIES)
2. ANY OTHER OUTDOOR LIGHTING, SUCH AS BUILDING AND SIDEWALK ILLUMINATION, DRIVEWAYS WITH NO ADJACENT PARKING, THE LIGHTING OF SIGNS AND ORNAMENTAL LIGHTING, SHALL BE SHOWN ON THE LIGHTING PLAN IN SUFFICIENT DETAIL TO ALLOW A DETERMINATION OF THE EFFECTS UPON ADJACENT PROPERTIES, TRAFFIC SAFETY AND OVERHEAD SKY GLOW. THE OBJECTIVES OF THESE SPECIFICATIONS IS TO MINIMIZE UNDESIRABLE OBT-PRERE EFFECTS. NO LIGHT SHALL SHINE AND BUILDING INTO OR ONTO STREETS AND DRIVEWAYS SO AS TO INTERFERE WITH OR DISTRACT DRIVER VISION TO ACHIEVE THESE REQUIREMENTS. THE INTENSITY OF SUCH LIGHT SOURCES, THE LIGHT SHIELDING AND SIMILAR CHARACTERISTICS SHALL BE SUBJECT TO SITE PLAN APPROVAL. WALL-MOUNTED FIXTURES ARE ONLY PERMITTED IF DIRECTED INTO A SITE AND NOT POSITIONED TOWARDS NEIGHBORING PROPERTIES OR PUBLIC STREETS. (§ 62-55C) (COMPLIES)



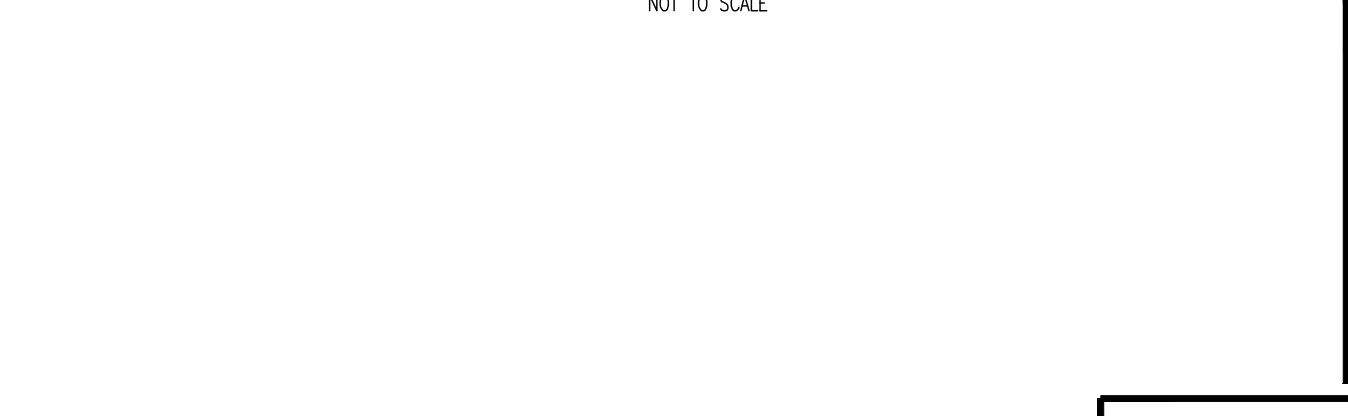
- NOTE: 1. CONTRACTOR TO CONFIRM ALL LIGHT POLE & FIXTURE DIMENSIONS PRIOR TO CONSTRUCTION.  
 2. CONTRACTOR TO PROVIDE ADJUSTED POLE HEIGHT RESULTING IN MOUNTING HEIGHT 'A', TAKING INTO CONSIDERATION PEDESTAL (PED) OR FLUSH MOUNT (FM) FOUNDATION DESIGNATION AT EACH POLE LOCATION.  
 3. PROPOSED CONCRETE FOUNDATION AND POLE TO BE CONSTRUCTED WITHIN SUBJECT PROPERTY UNLESS OTHERWISE NOTED. SETBACK FROM CURB IS PREFERRED BUT TO PREVENT ENCROACHMENT OVER PROPERTY LINE.  
 4. BASE PLATE & ANCHOR BOLTS PER POLE MANUFACTURER. LARGER FOOTING DIAMETER AND/OR ALTERNATE ARRANGEMENT OF REINFORCING STEEL MAY BE REQUIRED TO ACCOMMODATE ANCHOR BOLT CONFIGURATION. CONTRACTOR RESPONSIBLE TO COORDINATE DIMENSIONAL REQUIREMENTS FOR BASE PLATE, ANCHOR BOLTS & REINFORCING STEEL PRIOR TO CONSTRUCTION.

**LIGHT POLE FOUNDATION SCHEDULE**

MOUNTING HEIGHT ABOVE GRADE 'A'	21'-23'
POLE DIA. '8'	UP TO 6" SQUARE/ROUND (OR PER MANUFACTURER)
# OF FIXTURES	SINGLE OR DOUBLE
FOUNDATION DIAMETER 'C'	18" DIA. ROUND
FOUNDATION DEPTH 'D'	6.0'
REINFORCING TIES 'E'	#4 @ 12" O.C.
VERTICAL REINFORCEMENT 'F'	(6) #6 BARS EQUALLY SPACED

- SOIL NOTES**
1. FOOTING DESIGN BASED ON ASSUMED MAXIMUM ALLOWABLE SOILS BEARING CAPACITY OF 2,000 PSF. CONTRACTOR RESPONSIBLE TO VERIFY ADEQUACY OF ASSUMED BEARING CAPACITY PRIOR TO CONSTRUCTION. ENGINEER TO BE NOTIFIED IF INCONSISTENCIES EXIST.
  2. SUBGRADE TO BE FREE OF ORGANICS AND BE SUITABLE, COMPACTED MATERIAL.
- CONCRETE NOTES**
1. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS WITH A MINIMUM CEMENT CONTENT OF 600 POUNDS PER CUBIC YARD FOR ALL FOOTINGS.
  2. ALL CONCRETE SHALL HAVE A SLUMP OF NO GREATER THAN 4" TO WITHIN A TOLERANCE OF 1".
  3. ALL EXPOSED CONCRETE SHALL BE AIR-ENTRAINED (WITHIN 1% TOLERANCE), CONFORMING TO ASTM C260.
  4. REINFORCING FRAMEWORK AND PLACEMENT OF CONCRETE SHALL COMPLY WITH GOOD CONSTRUCTION PRACTICES AND BE IN ACCORDANCE WITH ALL LOCAL GOVERNING CODES AND REGULATIONS AS WELL AS THE ACI AND UNIFORM BUILDING CODE.

**AREA LIGHT FOUNDATION DETAIL**



PROFESSIONAL ENGINEER  
 NEW JERSEY LICENSE NO. 47204  
 JOSEPH C. SPARONE

PROFESSIONAL ENGINEER  
 NEW JERSEY LICENSE NO. 52588  
 TIAGO F. DUARTE

NEW JERSEY STATE HIGHWAY ROUTE NO. 73  
 (20' ROW WITH PER TAX MAP)  
 (ASPHALT ROADWAY (55 MPH SPEED LIMIT))

**BEACON RATIO Series AREASITE LIGHTER**

DATE: LOCATION: TYPE: PROJECT: CATALOG #:

**FEATURES**

- Low profile LED weather luminaire with a variety of ES distributions for lighting applications such as retail, commercial and campus parking lots.
- Featuring Micro Strike Optics which maximizes target zone illumination with minimal losses at the house-side, reducing light trespass issues.
- Visual comfort standard.
- Compact and lightweight design with low EPA.
- 30 rated for high vibration applications including bridges and overpasses.
- Control options including photo control, occupancy sensing, NKS Distributed Intelligence™ and 7-Fix with networked controls.
- Best in class surge protection available.

**CONTROL TECHNOLOGY**

**SPECIFICATIONS**

**CONSTRUCTION**

- Rectilinear form mimics the traditional incandescent form factor keeping a similar but updated style and appearance, ideal for retrofit applications.
- Die-cast housing with hidden vertical heat fins that are optional for heat dissipation while keeping a clean smooth exterior surface.
- Corrosion resistant, die-cast aluminum housing with powder coat paint finish.

**OPTICS**

- Entire optic aperture illuminates to create a bright luminous surface area resulting in high uniformity without sacrificing optical performance.
- 80, 160, 320 or 480 lm/watt LEDs.
- 3000K, 4000K or 5000K (70 CRI) CCT.
- Zero tilt/aim at 0 degrees of tilt.
- Field rotatable optics.

**ELECTRICAL**

- DALI (Design Lights Consortium) Qualified, with some Permitted Qualified configurations.
- Ambient operating temperature -40°C to 40°C.
- Drivers have greater than 90% power factor and less than 20% THD.
- LED drivers have input power over-voltage, over-current protection and short circuit protection with auto recovery.
- Field replaceable surge protection device provides 20kA surge protection and meets IEEE C62.42 Category C High and Surge Location Category C3, Ambient temperature 0 to 50°C.
- Meets DA recommendations using 3K CCT configurations at 0 degrees of tilt.
- This product qualifies as a "designated country construction material" per FAR 23.222 (b) by American Construction Materials under Trade Agreements effective 04/23/2020.

**CERTIFICATIONS**

- 3K rated for ANSI C83.31 high vibration applications.
- Feature a 95% rated.
- Meets DA recommendations using 3K CCT configurations at 0 degrees of tilt.
- This product qualifies as a "designated country construction material" per FAR 23.222 (b) by American Construction Materials under Trade Agreements effective 04/23/2020.

**WARRANTY**

- 5 year limited warranty.

**KEY DATA**

Lumen Range	3,000-48,000
Wattage Range	25-340
Efficacy Range (lm/w)	78-155
Fixture Projected Life (Hours)	170,000
Weights lbs. (kg)	13.5-24 (6.1-10.9)

**INSTALLATION**

- Standard square arm mount, compatible with 83 89 pattern.
- Optional universal mounting blank for ease of installation during retrofit applications. Available as an option or accessory for square and round poles.
- Includes arm flex option available for 3, 30° CD rotation. Max tilt of 60 degrees with 4 degree adjustable brackets. (Revisions apply for 7-pin options).

**Current®**

**BEACON RATIO Series AREASITE LIGHTER**

DATE: LOCATION: TYPE: PROJECT: CATALOG #:

**ORDERING GUIDE**

Example: RAR180L-25-30-2-LVW-ASO-BL-NVW-BC

**ORDERING INFORMATION**

Series	Ratio	Finish	Wattage	LED Count	CCT/CR	Optics	Options	Voltage
RAR-25	25W	ASO	25W	3,000 Lumens	3K	ES TYPICAL	Blank for rotation	LVW
RAR-30	30W	ASO	30W	3,600 Lumens	3K	ES TYPICAL	Color rotation w/ R	LVW
RAR-40	40W	ASO	40W	4,800 Lumens	3K	ES TYPICAL	Color rotation w/ R	LVW
RAR-50	50W	ASO	50W	6,000 Lumens	3K	ES TYPICAL	Color rotation w/ R	LVW
RAR-70	70W	ASO	70W	8,400 Lumens	3K	ES TYPICAL	Color rotation w/ R	LVW
RAR-100	100W	ASO	100W	12,000 Lumens	3K	ES TYPICAL	Color rotation w/ R	LVW
RAR-150	150W	ASO	150W	18,000 Lumens	3K	ES TYPICAL	Color rotation w/ R	LVW
RAR-200	200W	ASO	200W	24,000 Lumens	3K	ES TYPICAL	Color rotation w/ R	LVW
RAR-250	250W	ASO	250W	30,000 Lumens	3K	ES TYPICAL	Color rotation w/ R	LVW
RAR-300	300W	ASO	300W	36,000 Lumens	3K	ES TYPICAL	Color rotation w/ R	LVW
RAR-350	350W	ASO	350W	42,000 Lumens	3K	ES TYPICAL	Color rotation w/ R	LVW
RAR-400	400W	ASO	400W	48,000 Lumens	3K	ES TYPICAL	Color rotation w/ R	LVW

**STOCK ORDERING INFORMATION**

Series	Wattage	LED Count	CCT/CR	Optics	Options	Finish
RAR180-4K-3	180W	21,600	4000K/70CR	ES TYPICAL	Blank for rotation	ASO
RAR180-4K-4W	180W	21,600	4000K/70CR	ES TYPICAL	Color rotation w/ R	ASO
RAR180-4K-3	180W	21,600	4000K/70CR	ES TYPICAL	Blank for rotation	ASO
RAR180-4K-4W	180W	21,600	4000K/70CR	ES TYPICAL	Color rotation w/ R	ASO
RAR180-4K-3	180W	21,600	4000K/70CR	ES TYPICAL	Blank for rotation	ASO
RAR180-4K-4W	180W	21,600	4000K/70CR	ES TYPICAL	Color rotation w/ R	ASO

**Current®**

**SECURITY LIGHTING SES POLES SQUARE STEEL STRAIGHT POLES (SSP)**

**Specifications**

- The Square Steel Straight Pole has been successfully installed in projects of all types for over 20 years and has become the most popular and economical pole option for all site lighting applications including retail, commercial, industrial and residential projects.
- The popularity of this series is due to its full offering of sizes, heights and standard colors with complete offering of mounting options, accessories and select electrolytes stocked for immediate shipping.

**Ordering Information**

Ordering Example: SES-18-40-01-TA-D-DB

Series	Height	Top	Bottom	Mounting	Color
SES Square Steel Straight Pole	18' 0" Pole	18' 0" Pole	18' 0" Pole	18' 0" Pole	18' 0" Pole
SES Square Steel Straight Pole	22' 0" Pole	22' 0" Pole	22' 0" Pole	22' 0" Pole	22' 0" Pole
SES Square Steel Straight Pole	26' 0" Pole	26' 0" Pole	26' 0" Pole	26' 0" Pole	26' 0" Pole
SES Square Steel Straight Pole	30' 0" Pole	30' 0" Pole	30' 0" Pole	30' 0" Pole	30' 0" Pole

**Current®**

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**DYNAMIC ENGINEERING**  
 LAND DEVELOPMENT CONSULTING • PERMITTING • GEOTECHNICAL • ENVIRONMENTAL • SURVEY • PLANNING & ZONING

McDonald's USA, LLC  
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PREPARED BY: [Signature]

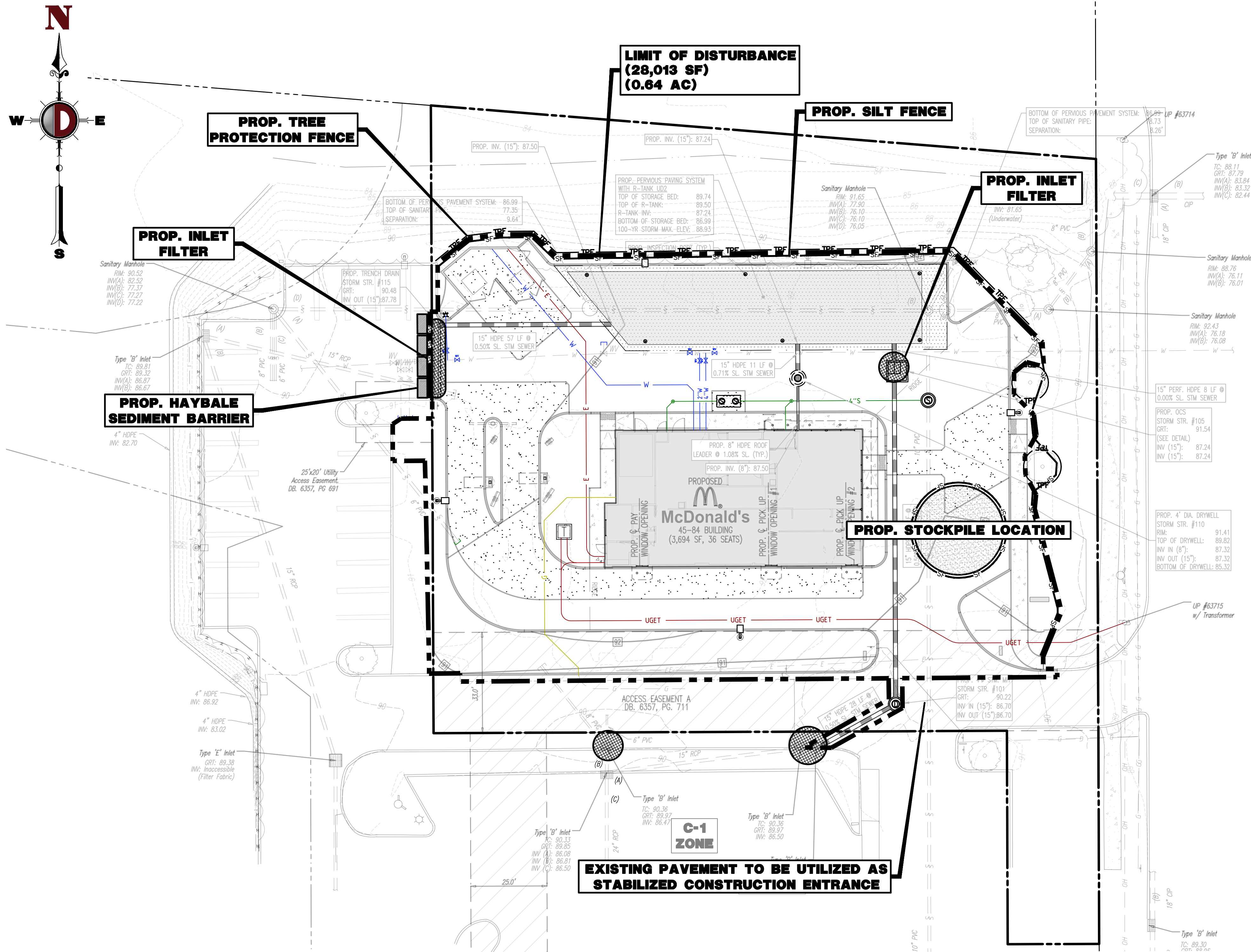
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DATE: 05/14/2025

PROJECT: PROPOSED McDONALD'S RESTAURANT BUILDING 45-84

SHEET 9 OF 21

THIS PLAN TO BE UTILIZED FOR SOIL EROSION & SEDIMENT CONTROL PURPOSES ONLY



**STANDARD FOR DUST CONTROL**

DEFINITION - THE CONTROL OF DUST ON CONSTRUCTION SITES AND ROADS.  
 PURPOSE - TO PREVENT BLOWING AND MOVEMENT OF DUST FROM EXPOSED SOIL SURFACES, REDUCE ON-AND OFF-SITE DAMAGE AND HEALTH HAZARDS, AND IMPROVE TRAFFIC SAFETY.  
 WHERE APPLICABLE - THE FOLLOWING METHODS SHOULD BE CONSIDERED FOR CONTROLLING DUST:  
 MULCHES - SEE STANDARDS FOR STABILIZATION WITH MULCHES ONLY.  
 VEGETATIVE COVER - SEE STANDARDS FOR TEMPORARY VEGETATIVE COVER, PERMANENT VEGETATIVE COVER, AND PERMANENT STABILIZATION WITH SOD.  
 SPRAY-ON ADHESIVES - ON MINERAL SOILS (NOT EFFECTIVE ON MOCK SOILS). KEEP TRAFFIC OFF THESE AREAS.

	WATER DILUTION	TYPE OF NOZZLE	APPLY GALLONS/ACRE
ANIONIC ASPHALT	7:1	COARSE SPRAY	1,200
EMULSION			
LATEX EMULSION	12.5:1	FINE SPRAY	235
RESIN IN WATER	4:1	FINE SPRAY	300

TILLAGE - TO ROUGHEN SURFACE AND BRING CLODS TO THE SURFACE. THIS IS A TEMPORARY EMERGENCY MEASURE WHICH SHOULD BE USED BEFORE SOIL BLOWING STARTS. BEGIN PLOWING ON WINDWARD SIDE OF SITE. CHISEL-TYPE PLOWS SPACED ABOUT 12 INCHES APART, AND SPRING - TOOTHED HARROWS ARE EXAMPLES OF EQUIPMENT WHICH MAY PRODUCE THE DESIRED EFFECT.  
 SPRINKLING - SITE IS SPRINKLED UNTIL THE SURFACE IS WET.  
 BARRIERS - SOLID BOARD FENCES, SNOW FENCES, BURLAP FENCES, CRATE WALLS, BALES OF HAY, AND SIMILAR MATERIAL CAN BE USED TO CONTROL AIR CURRENTS AND SOIL BLOWING.  
 CALCIUM CHLORIDE - SHALL BE IN THE FORM OF LOOSE, DRY GRANULES OR FLAKES FINE ENOUGH TO FEED THROUGH COMMONLY USED SPREADERS AT A RATE THAT WILL KEEP SURFACE MOIST BUT NOT CAUSE POLLUTION OR PLANT DAMAGE. IF USED ON STEEPER SLOPES, THEN USE OTHER PRACTICES TO PREVENT WASHING INTO STREAMS OR ACCUMULATION AROUND PLANTS.  
 STONE - COVER SURFACE WITH CRUSHED STONE OR COARSE GRAVEL.

**STANDARD FOR PERMANENT STABILIZATION WITH SOD**

**METHODS AND MATERIALS**  
 1. CULTIVATED SOD IS PREFERRED OVER NATIVE OR PASTURE SOD. SPECIFY "CERTIFIED SOD," OR OTHER HIGH QUALITY CULTIVATED SOD.  
 2. SOD SHOULD BE FREE OF WEEDS AND UNDESIRABLE COARSE WEEDY GRASSES.  
 3. SOD SHOULD BE OF UNIFORM THICKNESS, APPROXIMATELY 5/8 INCH, PLUS OR MINUS 1/4 INCH, AT TIME OF CUTTING. (EXCLUDES TOP GROWTH.)  
 4. SOD SHOULD BE VIGOROUS AND DENSE AND BE ABLE TO RETAIN ITS OWN SHAPE AND WEIGHT WHEN SUSPENDED VERTICALLY WITH A FIRM GRASP FROM THE UPPER 10 PERCENT OF THE STRIP. BROKEN PADS OR TORN AND UNEVEN ENDS WILL NOT BE ACCEPTABLE.  
 5. FOR DROUGHT SITES, A SOD OF KENTUCKY 31 TALL FESCUE AND BLUEGRASS IS PREFERRED OVER A STRAIGHT BLUEGRASS SOD.  
 6. ONLY MOST FRESH, UNWEATED SOD SHOULD BE USED. SOD SHOULD BE HARVESTED, DELIVERED, AND INSTALLED WITHIN A PERIOD OF 36 HOURS.

**I. SITE PREPARATION**  
 A. GRADE AS NECESSARY AND FEASIBLE TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR LIMING, FERTILIZING, AND SOIL PREPARATION. ALL GRADING SHOULD BE DONE IN ACCORDANCE WITH STANDARD FOR LAND GRADING, PAGE 4.11.  
 B. INSTALL NEEDED EROSION CONTROL PRACTICES AND FACILITIES, SUCH AS INTERCEPTOR DITCHES, DIKES AND TERRACES, EROSION STOPS, AND DE-SALTING BASINS. SEE STANDARDS 4.2 THROUGH 4.16.

**II. SOIL PREPARATION**  
 A. APPLY LIMESTONE AND FERTILIZER ACCORDING TO SOIL TESTS SUCH AS THOSE OFFERED BY RUTGERS UNIVERSITY SOIL TESTING LABORATORY. SOIL SAMPLE MAILERS ARE AVAILABLE FROM THE LOCAL COOPERATIVE EXTENSION SERVICE OFFICE. IF SOIL TESTING IS NOT FEASIBLE ON SMALL OR VARIABLE SITES, OR WHERE TIMING IS CRITICAL, FERTILIZER MAY BE APPLIED AT THE RATE OF 500 POUNDS PER ACRE OR 11 POUNDS PER 1,000 SQUARE FEET OF 10-10-10 OR EQUIVALENT WITH 50% WATER INSOLUBLE NITROGEN AND INCORPORATED INTO THE SURFACE 4". IN ADDITION, 300 POUNDS 38-0-0 PER ACRE OR EQUIVALENT OF SLOW RELEASE NITROGEN MAY BE USED IN LIEU OF TOP-DRESSING. APPLY LIMESTONE AS FOLLOWS:  
 SOIL TEXTURE TONS/ACRE LBS/1,000 SQ. FT.  
 CLAY, CLAY LOAM, AND HIGH ORGANIC SOIL 3 125  
 SANDY LOAM, LOAM, SILT LOAM 2 90  
 LOAMY SAND, SAND 1 45  
 PLURIVERTED DOLOMITE LIMESTONE IS PREFERRED FOR MOST SODS SOUTH OF THE NEW BRUNSWICK-TRENTON LINE.  
 B. WORK LIME AND FERTILIZER INTO THE SOIL AS NEARLY AS PRACTICAL TO A DEPTH OF 4 INCHES WITH A DISC, SPRING TOOTH HARROW, OR OTHER SUITABLE EQUIPMENT. THE FINAL HARROWING OR DISCOING OPERATION SHOULD BE ON THE GENERAL CONTOUR. CONTINUE TILLAGE UNTIL A REASONABLY UNIFORM, FINE SEEDBED IS PREPARED.  
 C. REMOVE FROM THE SURFACE ALL OBJECTS THAT WOULD PREVENT GOOD SOD TO SOIL CONTACT AND REMOVE ALL OTHER DEBRIS, SUCH AS WIRE, CABLE, TREE ROOTS, PIECES OF CONCRETE, CLODS, LUMPS, OR OTHER UNSUITABLE MATERIAL.  
 D. INSPECT SITE JUST BEFORE SEEDING. IF TRAFFIC HAS LEFT THE SOIL COMPACTED, THE AREA MUST BE RE-TILLED AND FIRMED AS ABOVE.

**III. SOD PLACEMENT**  
 A. SOD STRIPS SHOULD BE LAID ON THE CONTOUR, NEVER UP AND DOWN THE SLOPE, STARTING AT THE BOTTOM OF THE SLOPE AND WORKING UP ON STEEP SLOPES. THE USE OF LADDERS WILL FACILITATE THE WORK AND PREVENT DAMAGE TO THE SOD. DURING PERIODS OF HIGH TEMPERATURE, LIGHTLY BRIGADE THE SOIL IMMEDIATELY PRIOR TO LAYING THE SOD.  
 B. PLACE SOD STRIPS WITH SINUS, EVEN JOINTS THAT ARE STAGGERED. OPEN SPACES INVITE EROSION.  
 C. ROLL OR TAMP SOD IMMEDIATELY FOLLOWING PLACEMENT TO INSURE SOLID CONTACT OF ROOT MAT AND SOIL SURFACE. DO NOT OVERLAP SOD. ALL JOINTS SHOULD BE BUTTED TIGHTLY IN ORDER TO PREVENT VOIDS WHICH WOULD CAUSE DRYING OF THE ROOTS.  
 D. ON SLOPES GREATER THAN 3 TO 1, SECURE SOD TO SURFACE SOIL WITH WOOD PEGS, WIRE STAPLES, OR SPLIT SHINGLES (8 TO 10 INCHES LONG BY 3/4 INCH WIDE).  
 E. SURFACE WATER CANNOT ALWAYS BE DIVERTED FROM FLOWING OVER THE FACE OF THE SLOPE, BUT A CAPPING STRIP OF HEAVY JUTE OR PLASTIC NETTING, PROPERLY SECURED, ALONG THE CROWN OF THE SLOPE AND EDGES WILL PROVIDE EXTRA PROTECTION AGAINST LIFTING AND UNDERCROTCHING OF SOD. THE SAME TECHNIQUE CAN BE USED TO ANCHOR SOD IN WATER CARRYING CHANNELS AND OTHER CRITICAL AREAS. WIRE STAPLES MUST BE USED TO ANCHOR NETTING IN CHANNEL WORK.  
 F. IMMEDIATELY FOLLOWING INSTALLATION, SOD SHOULD BE WATERED UNTIL MOISTURE PENETRATES THE SOIL LAYER BENEATH SOD TO A DEPTH OF 4 INCHES. MAINTAIN OPTIMUM MOISTURE FOR AT LEAST TWO WEEKS.

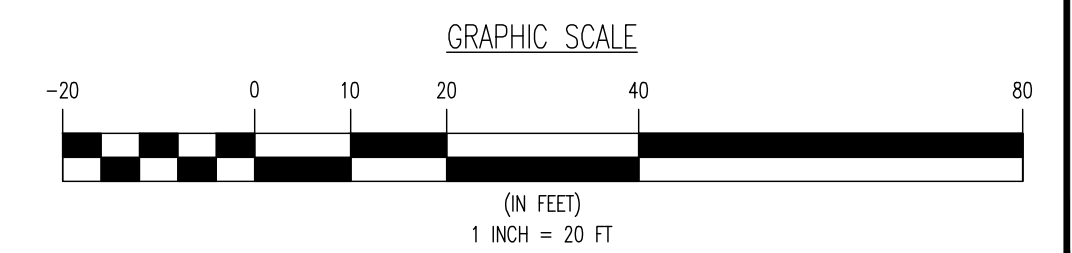
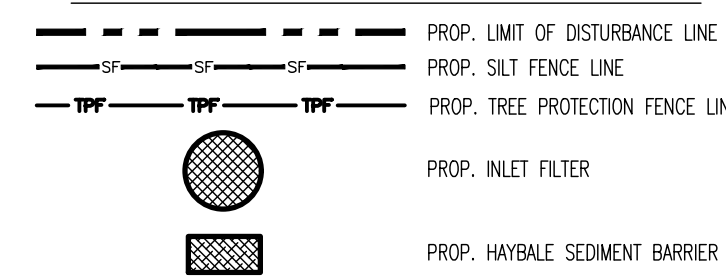
**IV. TOP-DRESSING**  
 IF SLOW RELEASE NITROGEN IS USED IN ADDITION TO SUGGESTED FERTILIZER, THEN A FOLLOW-UP OF TOP DRESSING IS NOT MANDATORY, EXCEPT WHERE GROSS NITROGEN DEFICIENCY EXISTS IN THE SOIL TO THE EXTENT THAT TURF FAILURE MAY DEVELOP.  
 TOP-DRESS WITH 10-0-10 OR EQUIVALENT AT 400 POUNDS PER ACRE OR 7 POUNDS PER 1,000 SQUARE FEET EVERY 3 TO 5 WEEKS UNTIL THE GROSS NITROGEN DEFICIENCY IN THE TURF IS AMELIORATED.

**EARTHWORK CALCULATIONS**

Volume Summary							
Name	Type	Cut Factor	Fill Factor	2d Area (Sq. Ft.)	Cut (Cu. Yd.)	Fill (Cu. Yd.)	Net (Cu. Yd.)
XP-EARTHWORKS	full	1.000	1.000	27016.04	186.53	110.34	76.19<Cut>
<b>Totals</b>							
				27016.04	186.53	110.34	76.19<Cut>

\* Value adjusted by cut or fill factor other than 1.0

**EROSION CONTROL LEGEND**



SEE SHEET 11 OF 21 FOR SOIL EROSION NOTES & DETAILS

NEW JERSEY STATE HIGHWAY ROUTE NO. 73  
 (126' ROW WIDTH PER TAX MAP)  
 (ASPHALT ROADWAY (55 MPH SPEED LIMIT))

Product: 05/16/25 - 12:00 PM, By: csmc007, Product Ver: 25.0  
 File: P:\DEPC PROJECTS\0114\_McDonald's\23-01590 Ewasham (Marlton) NJ LC 29-1564.Dwg Site Plans\01142301590SED.dwg, ----> 10 SOIL EROSION & SEDIMENT CONTROL PLAN

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 ALL STATES REQUIRE NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON  
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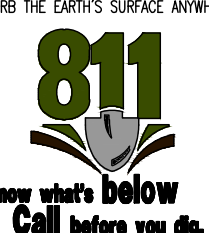
JOSEPH C. SPARONE  
 PROFESSIONAL ENGINEER  
 NEW JERSEY LICENSE No. 47204

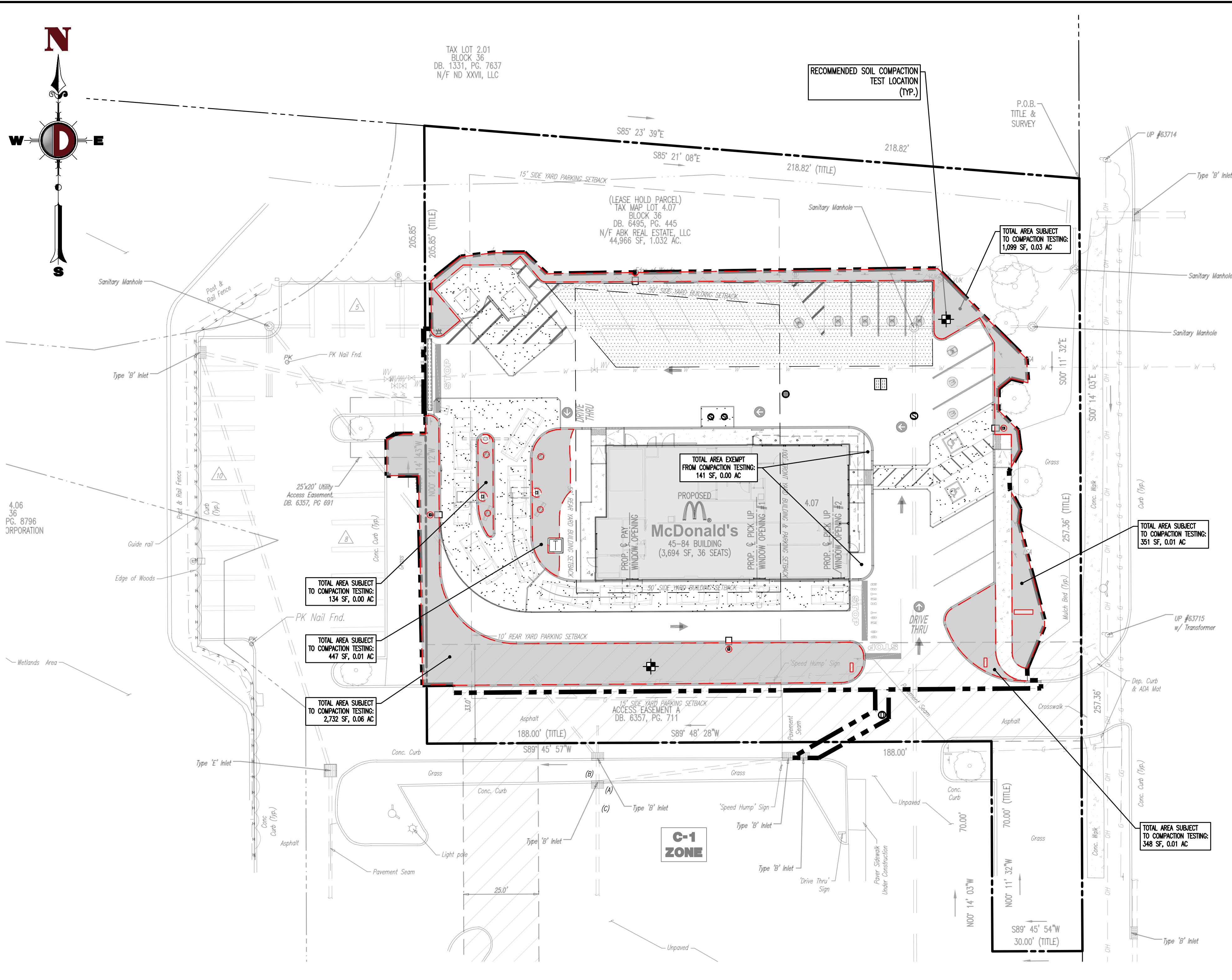
TIAGO F. DUARTE  
 PROFESSIONAL ENGINEER  
 NEW JERSEY LICENSE No. 52588

29-1564  
 0114-23-01590  
**C-10**  
 SHEET 10 OF 21

PREPARED FOR: **McDonald's USA, LLC**  
 PROJECT: PROPOSED McDONALD'S RESTAURANT BUILDING 45-84  
 TITLE: SOIL EROSION & SEDIMENT CONTROL PLAN  
 DRAWN BY: DUS  
 STD ISSUE DATE: -  
 REVIEWED BY: TFD  
 DATE ISSUED: 05/14/2025  
 SITE ADDRESS: BOX 98 LOT 407, 741 N.J. ROUTE 73 SOUTH, TOWNSHIP OF EWSHAM, BURLINGTON COUNTY, NEW JERSEY 08085  
 PREPARED BY: **DYNAMIC ENGINEERING**  
 LAND DEVELOPMENT CONSULTING • PERMITTING • GEOTECHNICAL • ENVIRONMENTAL • SURVEY • PLANNING & ZONING  
 50 Park Place, Suite 801  
 Newark, NJ 07102  
 www.dynamiceng.com  
 State License No. 1215-001818  
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 Professional Engineer License No. 1215-001818  
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TOTAL AREA SUBJECT TO COMPACTION TESTING: 134 SF, 0.00 AC

TOTAL AREA SUBJECT TO COMPACTION TESTING: 447 SF, 0.01 AC

TOTAL AREA SUBJECT TO COMPACTION TESTING: 2,732 SF, 0.06 AC

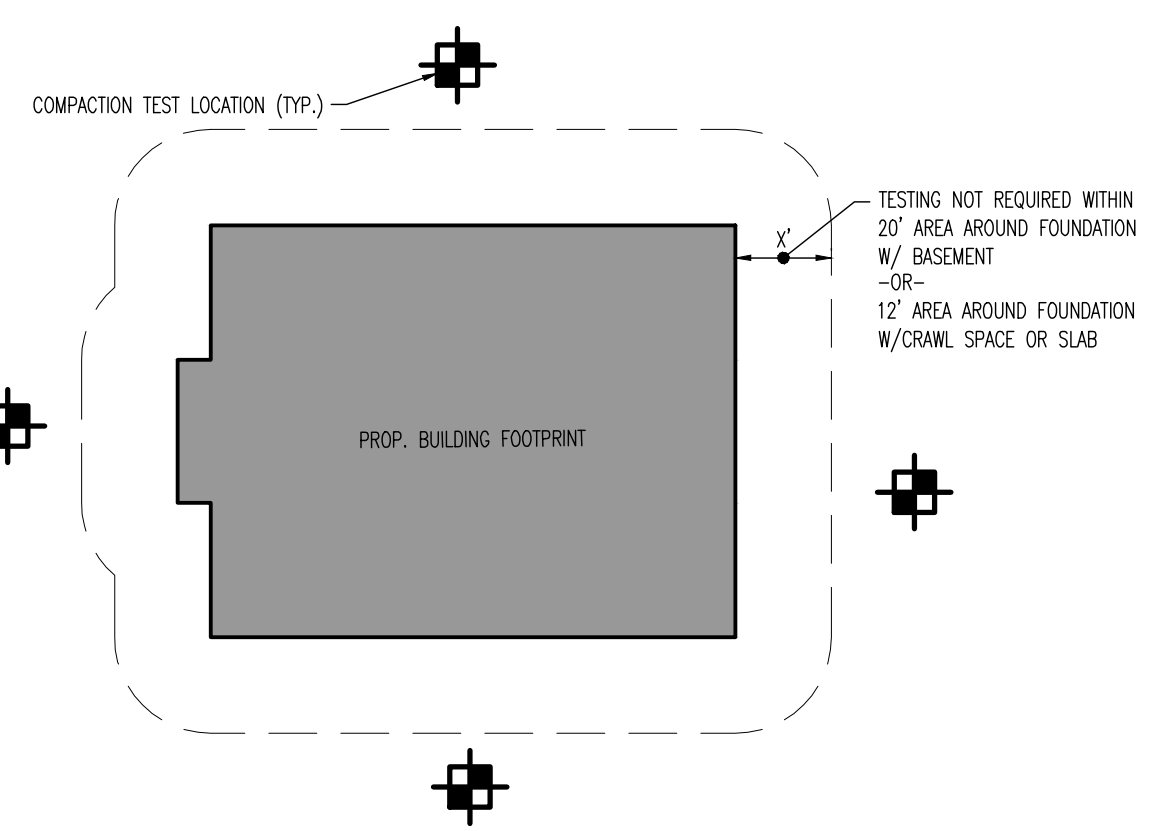
TOTAL AREA EXEMPT FROM COMPACTION TESTING: 141 SF, 0.00 AC

McDonald's  
 45-84 BUILDING  
 (3,694 SF, 36 SEATS)

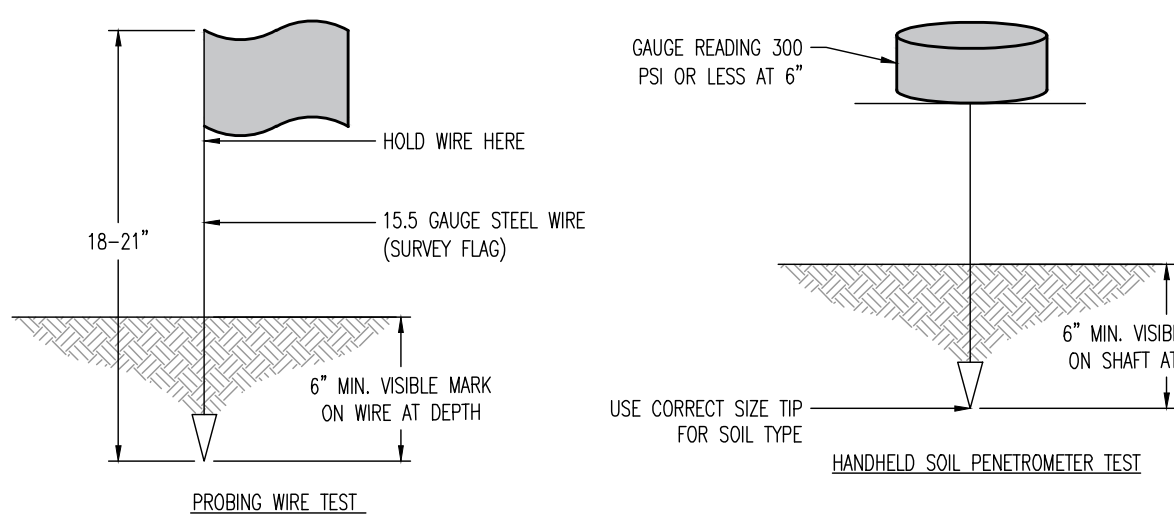
TOTAL AREA SUBJECT TO COMPACTION TESTING: 1,099 SF, 0.03 AC

TOTAL AREA SUBJECT TO COMPACTION TESTING: 351 SF, 0.01 AC

TOTAL AREA SUBJECT TO COMPACTION TESTING: 348 SF, 0.01 AC



NOTE:  
 SOIL COMPACTION TESTING LOCATIONS IDENTIFIED ARE RECOMMENDED LOCATIONS FOR GRADING/DISTURBED AREAS WITHIN THE VICINITY OF BUILDINGS AND STRUCTURES OR ON INDIVIDUAL LOTS. FOR GRADED/DISTURBED AREAS WITHIN OPEN OR COMMON SPACES.



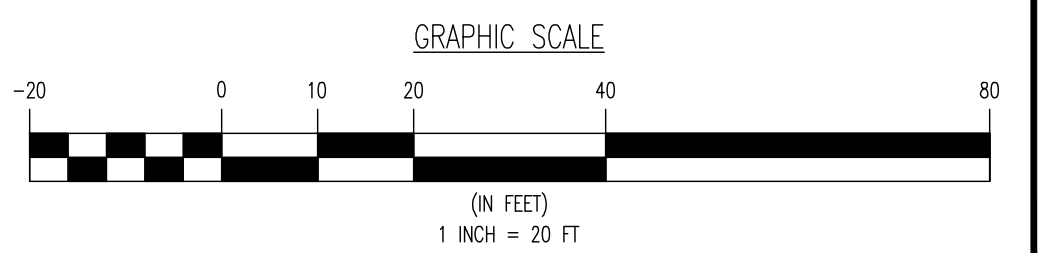
- NOTES:
- SOIL COMPACTION TESTING IS NOT REQUIRED WITHIN 20 FEET OF BUILDING FOUNDATIONS WITH BASEMENTS OR 12 FEET FROM SLAB OR CRAWL SPACE CONSTRUCTION.
  - A MINIMUM OF TWO (2) TESTS SHALL BE PERFORMED FOR PROJECTS WITH AN OVERALL LIMIT OF DISTURBANCE OF UP TO ONE (1) ACRE AND AT A RATE OF TWO (2) TESTS PER ACRE OF THE OVERALL LIMIT OF DISTURBANCE FOR LARGER AREAS, WHICH SHALL BE EVENLY DISTRIBUTED OVER THE AREA OF DISTURBANCE SUBJECT TO TESTING.
  - SOIL SHOULD BE MOIST, BUT NOT SATURATED. DO NOT TEST WHEN SOIL IS EXCESSIVELY DRY OR SUBJECT TO FREEZING TEMPERATURES. SLOW, STEADY DOWNWARD PRESSURE USED TO ADVANCE THE WIRE/PENETROMETER.
  - WIRE/PENETROMETER MAY BE RE-INSERTED IF/WHEN AN OBSTRUCTION (ROCK, ROOT, DEBRIS) IS ENCOUNTERED. RECORD DEPTH OF PENETRATION LESS THAN 6" IF WIRE DEFORMS AND/OR PENETROMETER GAGE MEASURES 300 PSI.
  - SUCCESSFUL TEST (NON-COMPACTED SOIL) OCCURS WHEN EITHER WIRE PENETRATES WITHOUT BENDING OR DEFORMING AT LEAST 6" INTO THE GROUND BY HAND WITHOUT THE USE OF TOOLS OR PROBE PENETRATES AT LEAST 6" WITH LESS THAN 300 PSI READING ON GAGE.
  - IF THE WIRE IS DIFFICULT TO INSERT (WIRE BENDS OR DEFORMS PRIOR TO REACHING 6 INCHES IN DEPTH), THE SOIL MAY BE EXCESSIVELY COMPACTED AND COMPACTION MITIGATION OR FURTHER TESTING VIA TUBE BULK DENSITY OR NUCLEAR DENSITY TESTING METHODS AT THE DISCRETION OF THE OWNER/CONTRACTOR.

**TYPICAL SOIL COMPACTION TESTING DETAIL**  
 NOT TO SCALE

**NEW JERSEY STATE HIGHWAY ROUTE NO. 73**  
 (126' ROW WIDTH PER TAX MAP)  
 (ASPHALT ROADWAY (55 MPH SPEED LIMIT))

**LEGEND**

- [Shaded Area] - SOIL COMPACTION TESTING AREAS
- [Crosshair Symbol] - RECOMMENDED SOIL COMPACTION TEST LOCATION (APPROX. 1 / 5 ACRE)



**SOIL COMPACTION MITIGATION NOTES**

- PROCEDURES SHALL BE USED TO MITIGATE EXCESSIVE SOIL COMPACTION PRIOR TO PLACEMENT OF TOPSOIL AND ESTABLISHMENT OF PERMANENT VEGETATIVE COVER.
- RESTORATION OF COMPACTED SOILS SHALL BE THROUGH DEEP SCARIFICATION/TILLAGE (6" MINIMUM DEPTH) WHERE THERE IS NO DANGER TO UNDERGROUND UTILITIES (CABLES, IRRIGATION SYSTEMS, ETC.) IN THE ALTERNATIVE, ANOTHER METHOD AS SPECIFIED BY A NEW JERSEY LICENSED PROFESSIONAL ENGINEER MAY BE SUBSTITUTED SUBJECT TO DISTRICT APPROVAL.
- SOIL COMPACTION TESTING IS NOT REQUIRED IF/WHEN SUBSOIL COMPACTION REMEDIATION (SCARIFICATION/TILLAGE 6" MINIMUM DEPTH) IS PROPOSED AS PART OF THE SEQUENCE OF CONSTRUCTION.

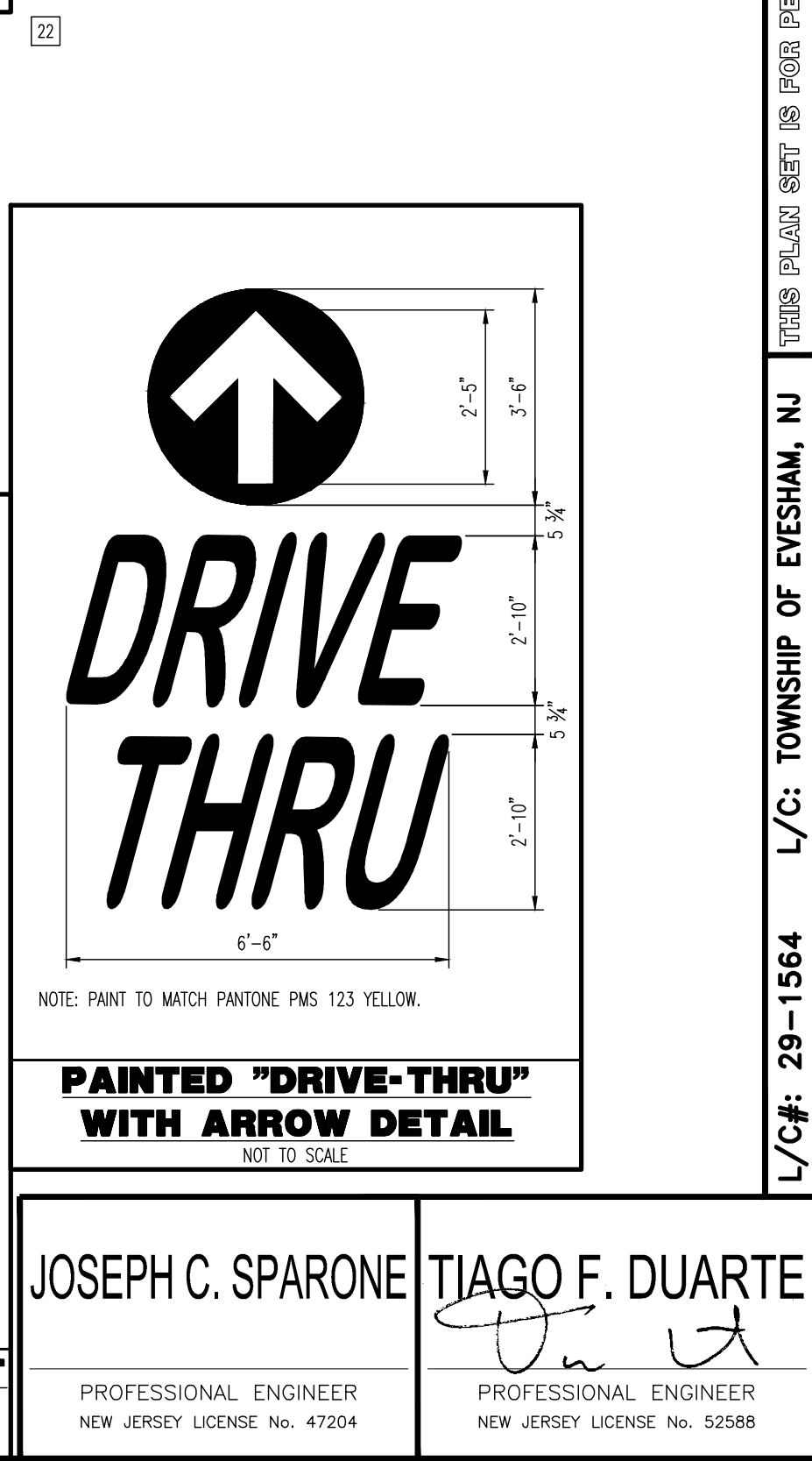
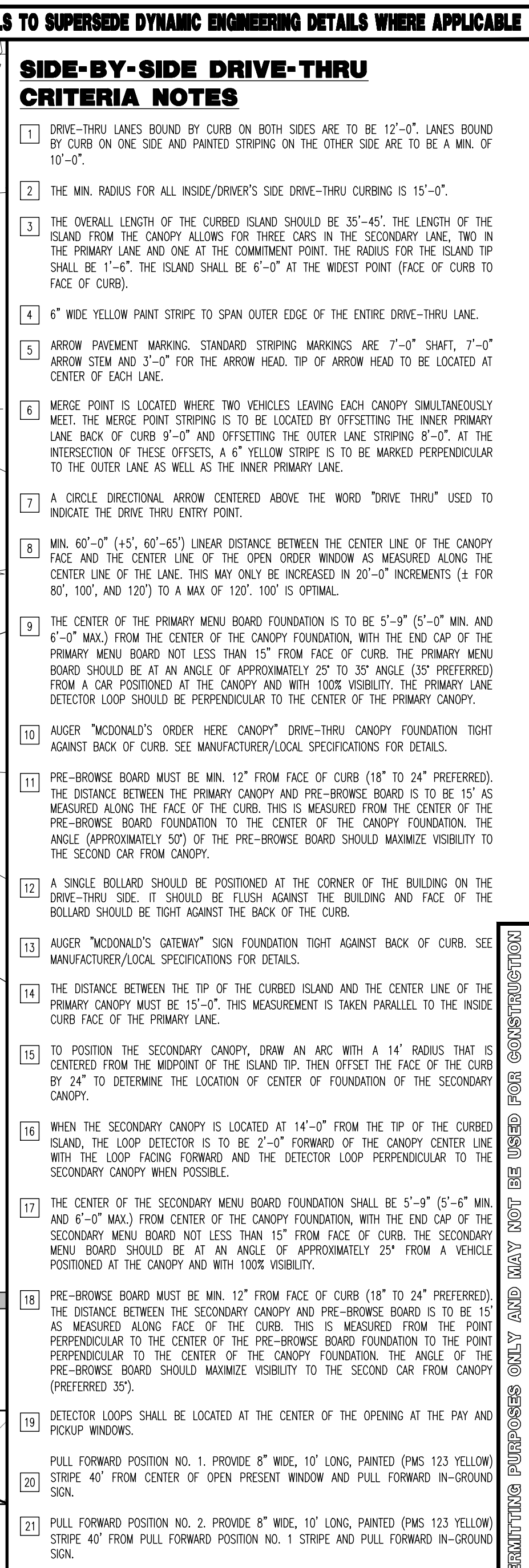
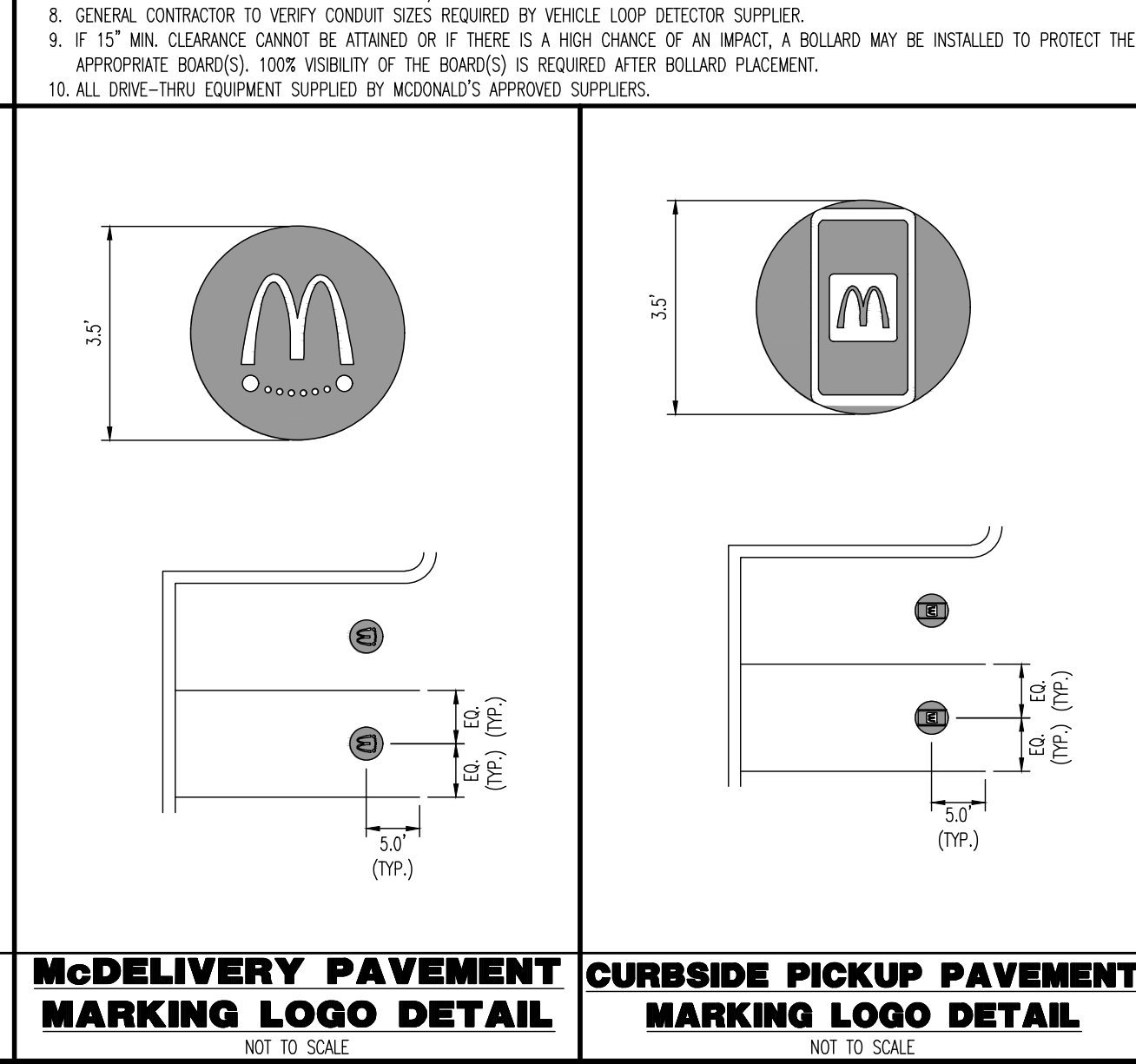
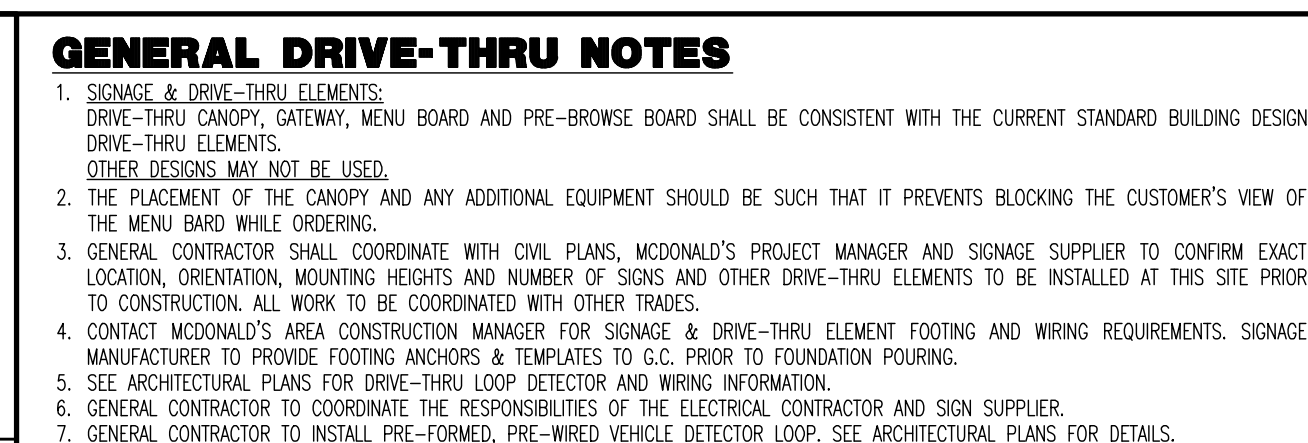
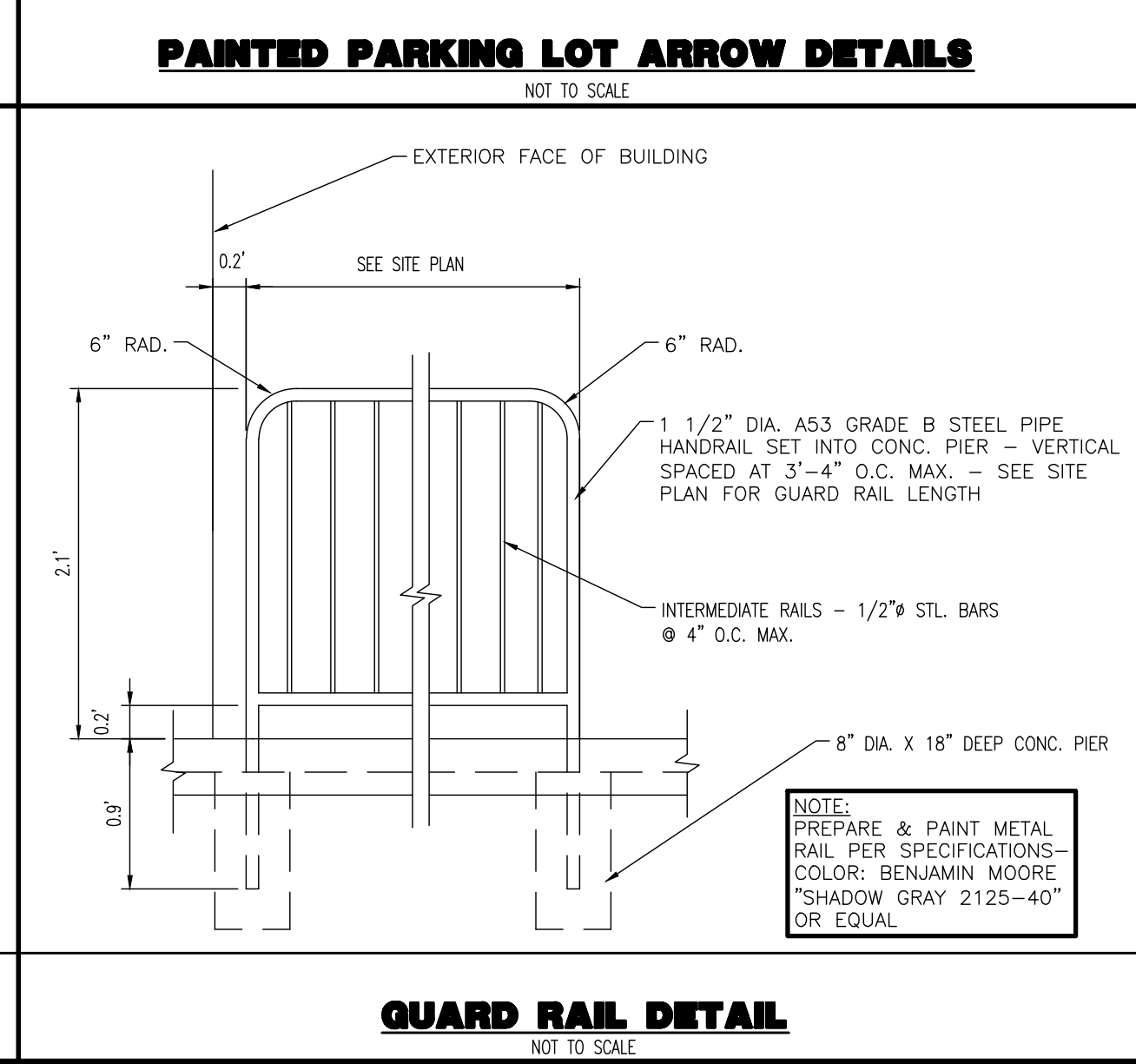
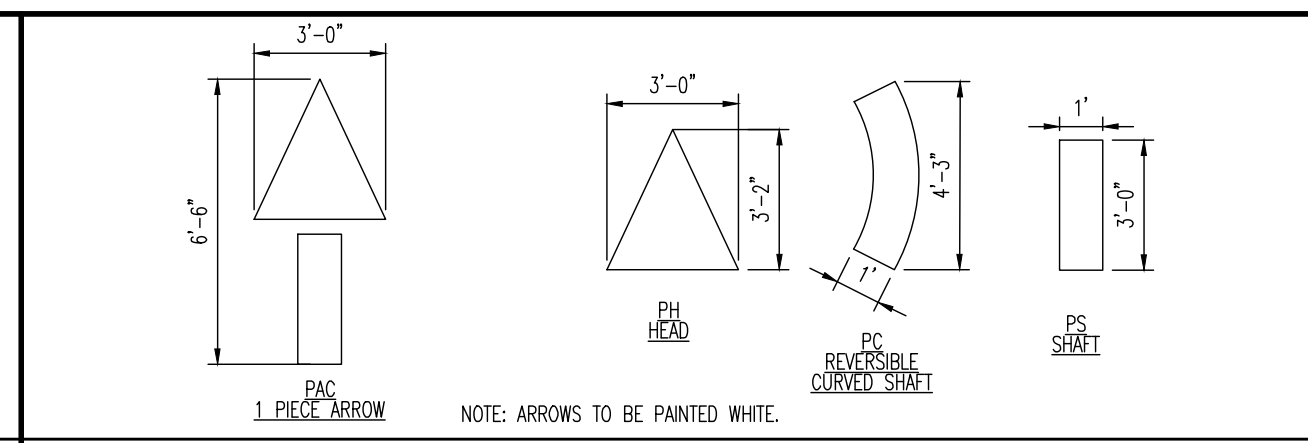
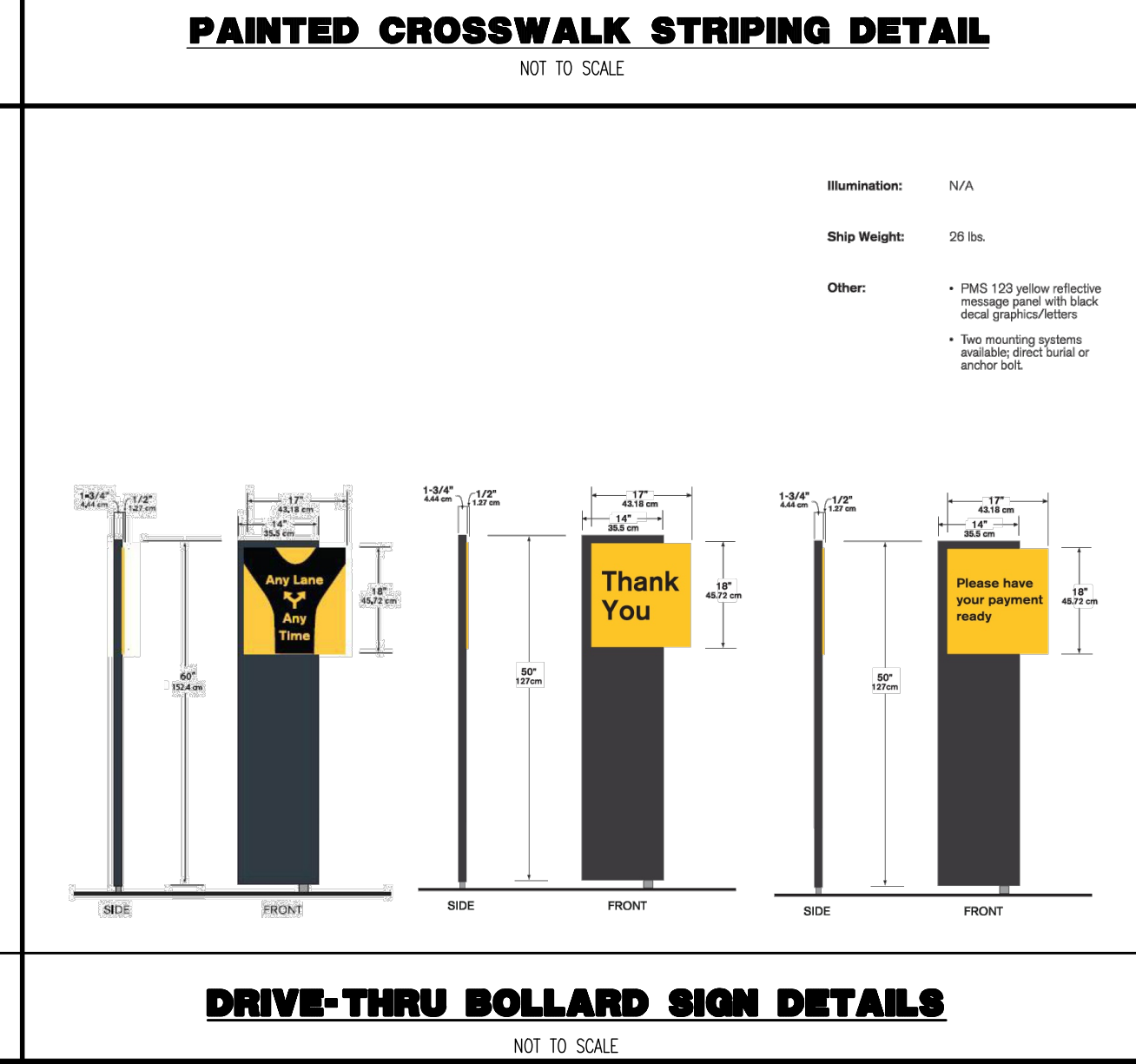
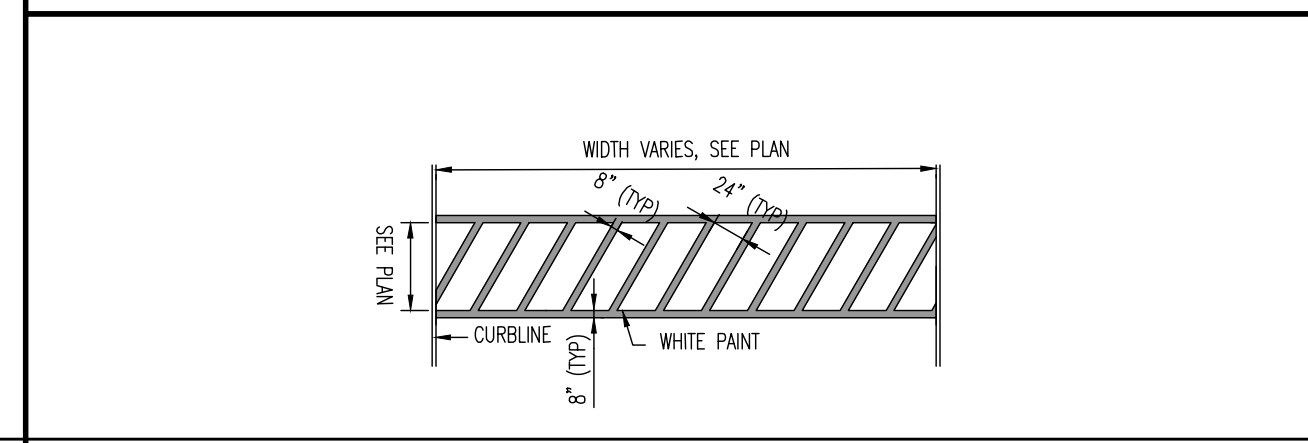
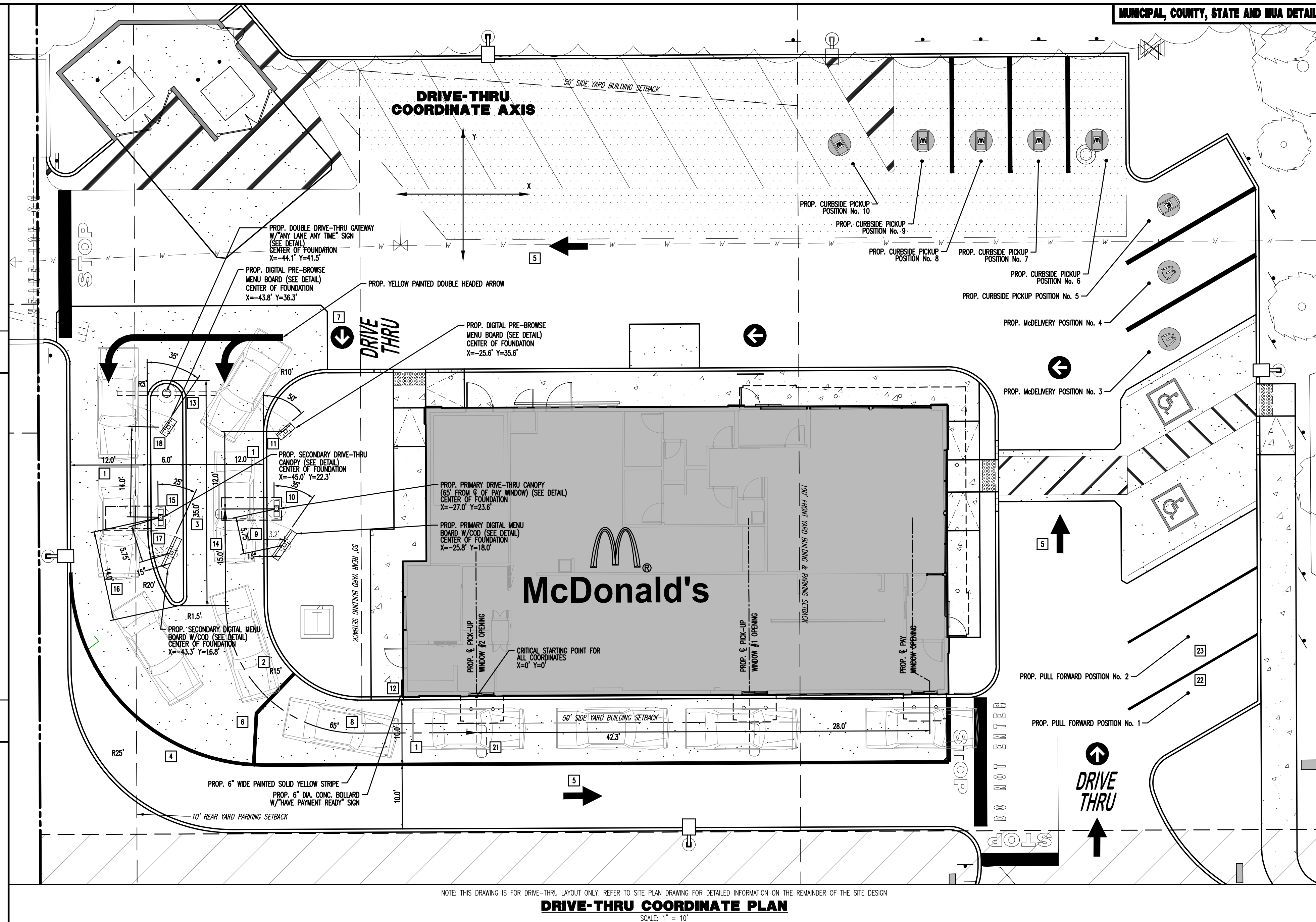
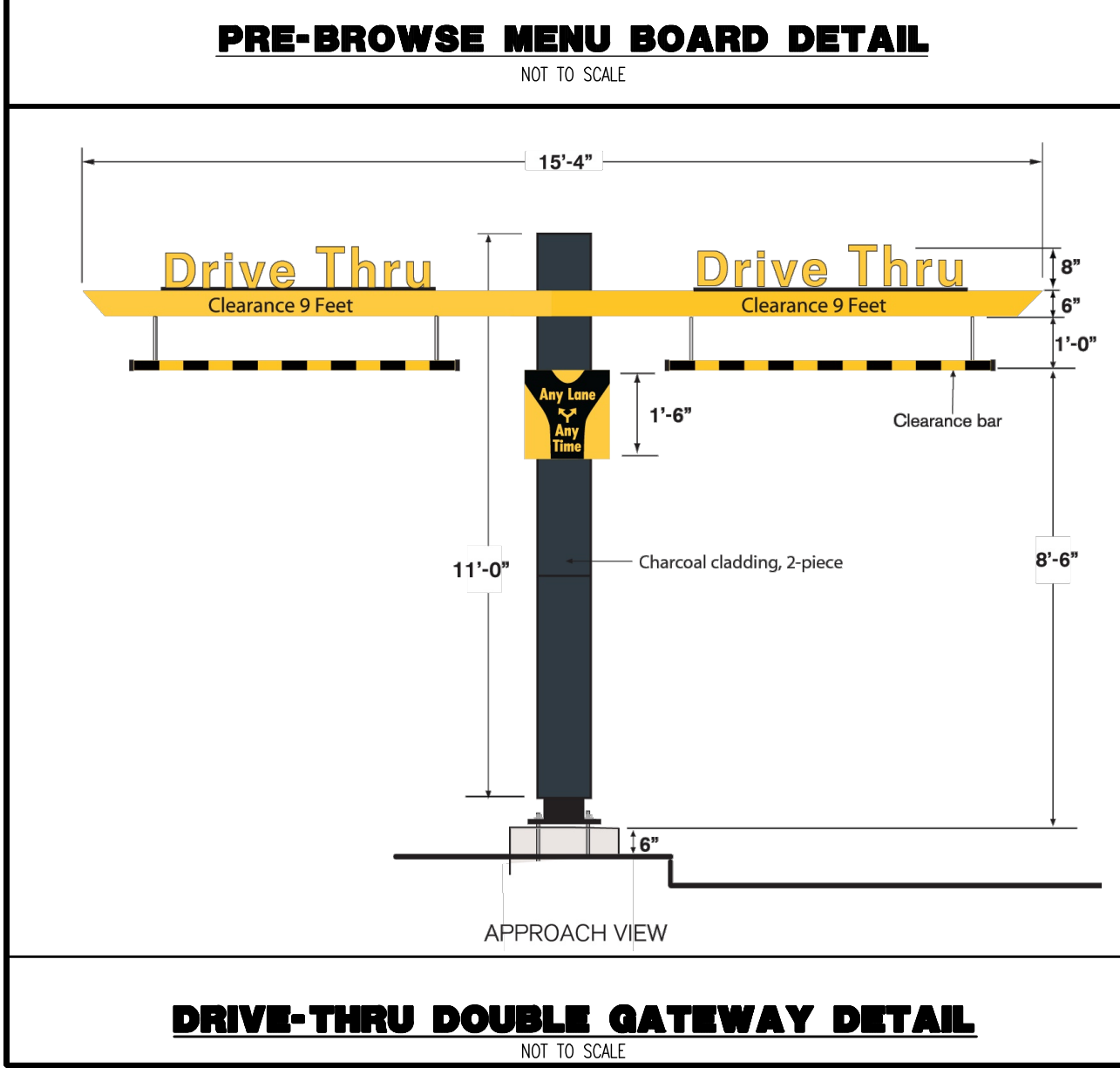
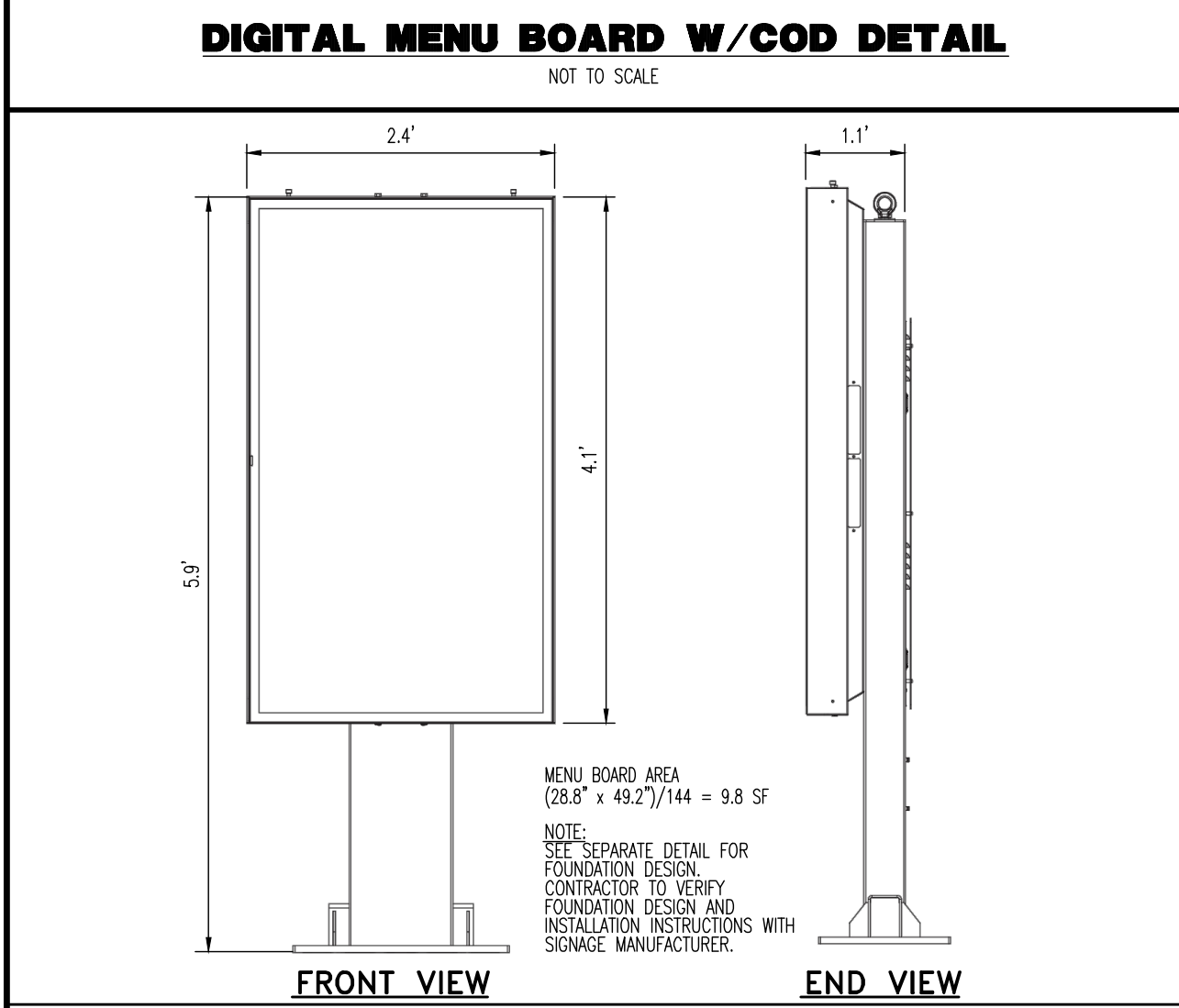
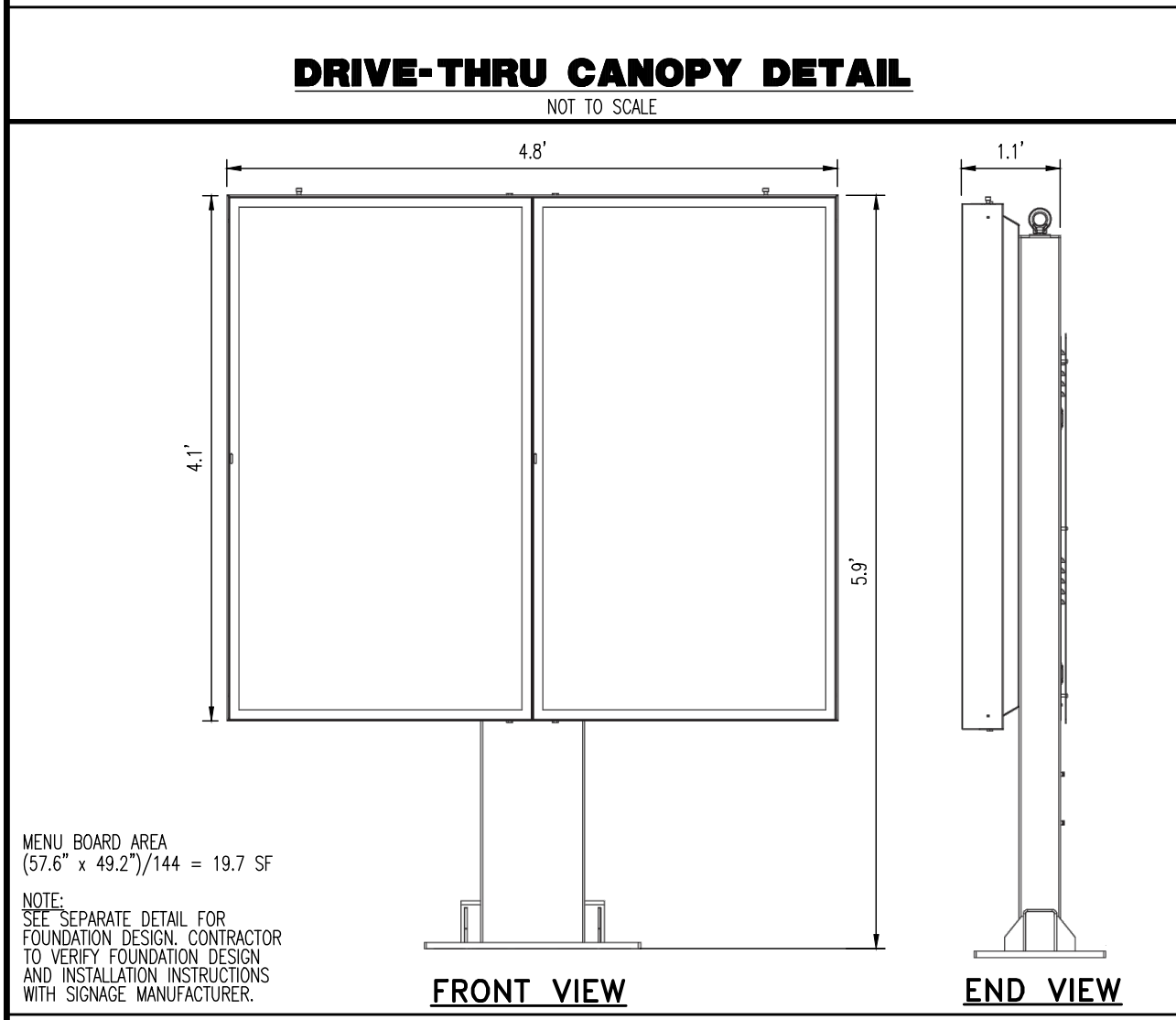
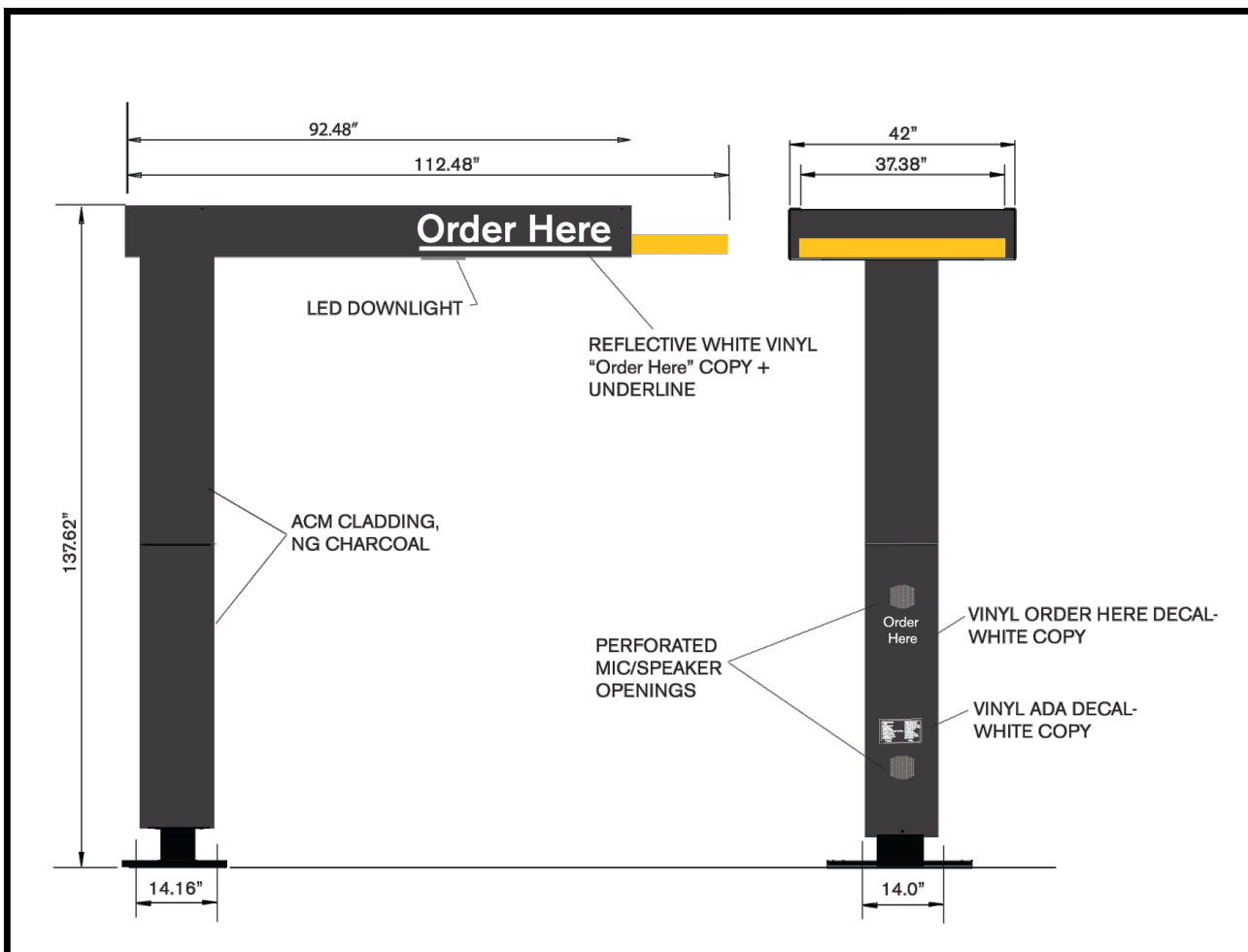
**JOSEPH C. SPARONE**  
 PROFESSIONAL ENGINEER  
 NEW JERSEY LICENSE NO. 47204

**TIAGO F. DUARTE**  
 PROFESSIONAL ENGINEER  
 NEW JERSEY LICENSE NO. 52588

DRAWN BY: XXX		DATE: -	
STANDARD: -		DATE: -	
REVIEWED BY: TFD		DATE ISSUED: 05/14/2025	
TITLE: PROPOSED McDONALD'S RESTAURANT BUILDING 45-84		PROJECT NO: 0114-23-01590	
DESCRIPTION: SOIL MANAGEMENT PLAN		SHEET NO: C-12 OF 21	
SITE ADDRESS: BLOCK 38 LOT 407, 741 WILSH, ROUTE 73 SOUTH, TOWNSHIP OF ESHAM, BURLINGTON COUNTY, NEW JERSEY		DATE: -	
L/C#: 29-1564		L/C: TOWNSHIP OF ESHAM, NJ	
PREPARED FOR: McDonald's USA, LLC		PREPARED BY: DYNAMIC ENGINEERING	
DYNAMIC ENGINEERING LAND DEVELOPMENT CONSULTING • PERMITTING • GEOTECHNICAL • ENVIRONMENTAL • SURVEY • PLANNING & TOWING 50 Park Place, Suite 801 Newark, NJ 07102 www.dyneng.com		REV: -	
BY: -		DATE: -	



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 File: P:\DEPC PROJECTS\0114 McDonald's\23-01590 Evesham (Marlton), NJ, LC 29-1564.Dwg Site Plans\01142301590SD.dwg, ---> 14 CONSTRUCTION DETAILS



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PREPARED FOR: **McDonald's USA, LLC**

PROJECT: **McDonald's RESTAURANT BUILDING 45-84**

CONSTRUCTION DETAILS

DATE ISSUED: 05/14/2025

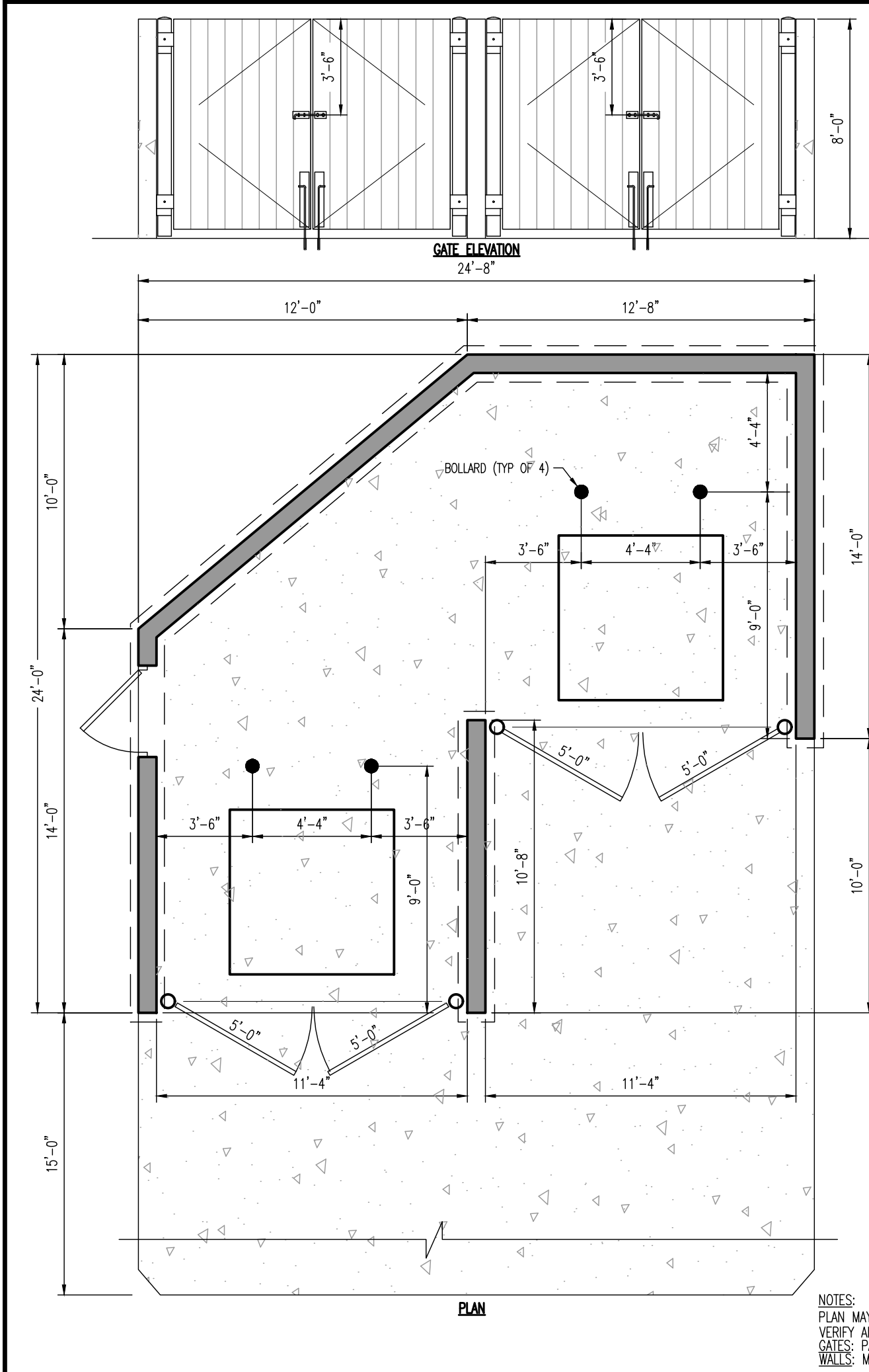
SITE ADDRESS: **29-1564, BLOCK 18, LOT 407, 741 WILSHA ROUTE 73 SOUTH, TOWNSHIP OF EVESHAM, BURLINGTON COUNTY, NEW JERSEY**

PROFESSIONAL ENGINEER  
 NEW JERSEY LICENSE No. 47204

PROFESSIONAL ENGINEER  
 NEW JERSEY LICENSE No. 52588

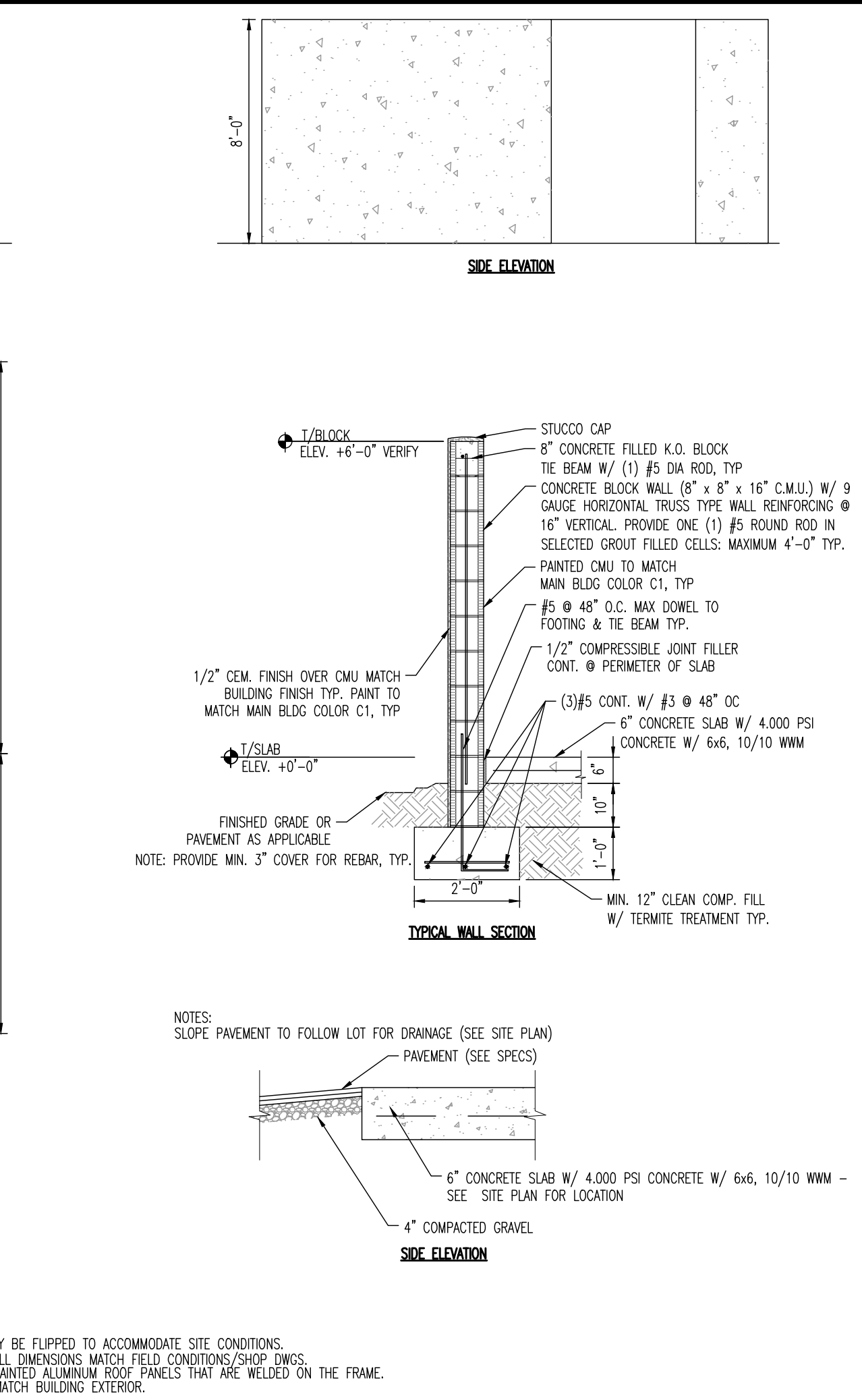
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 SHEET 14 OF 21

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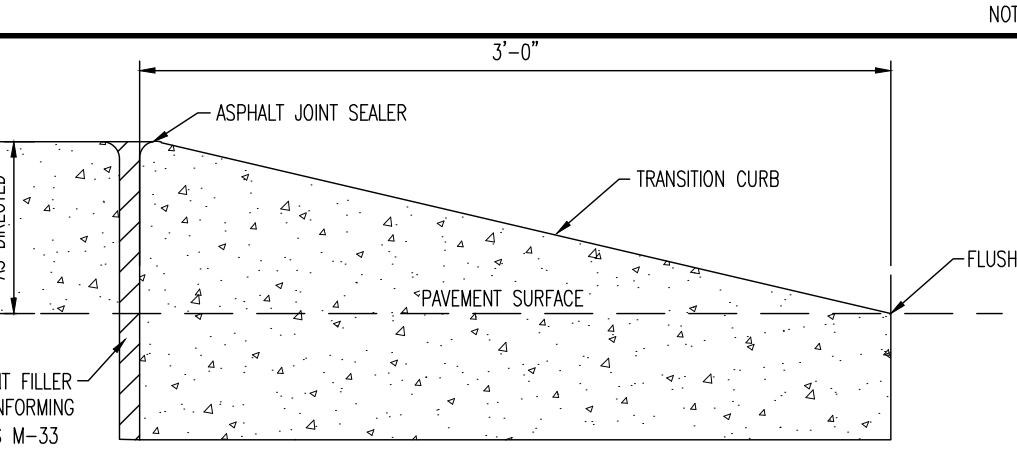
**24'x24'-8" TRASH ENCLOSURE DETAIL**  
NOT TO SCALE

NOTES:  
 PLAN MAY BE FLIPPED TO ACCOMMODATE SITE CONDITIONS.  
 VERIFY ALL DIMENSIONS MATCH FIELD CONDITIONS/SHOP DIMS.  
 GATES: PAINTED ALUMINUM ROOF PANELS THAT ARE WELDED ON THE FRAME.  
 WALLS: MATCH BUILDING EXTERIOR.



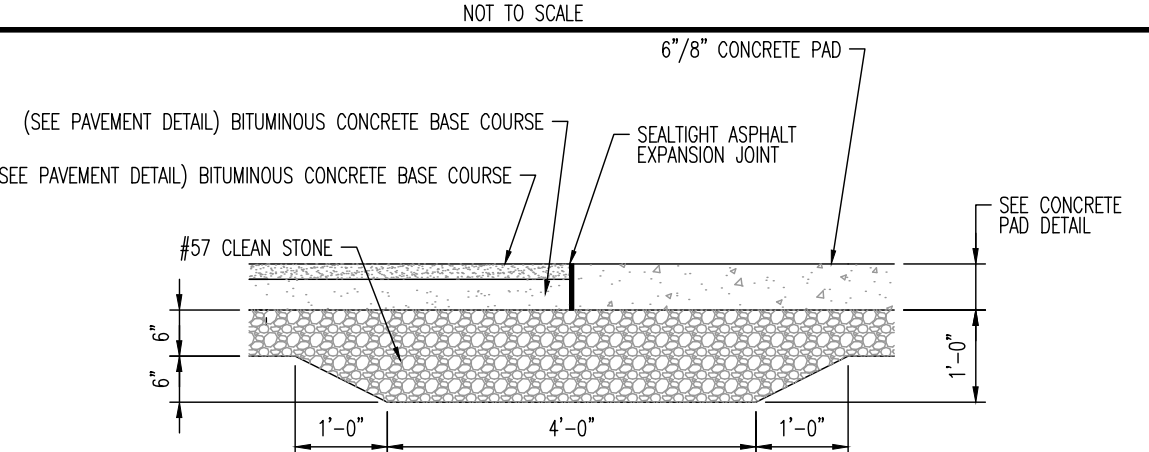
**CONCRETE CURB DETAIL**  
NOT TO SCALE

- NOTES:
1. ANY EXCAVATION BELOW DESIRED GRADE DUE TO OVER EXCAVATION OR WET SOIL CONDITIONS SHALL BE BACKFILLED WITH 3/4" CLEAN CRUSHED STONE. ALL SUBGRADES SHALL BE APPROVED BY THE TOWNSHIP ENGINEER PRIOR TO POURING.
  2. TRANSVERSE JOINTS 1/2" WIDE SHALL BE INSTALLED IN THE CURB 20'-0" APART AND SHALL BE FILLED WITH PREFORMED, BITUMINOUS-IMPREGNATED FIBER JOINT FILLER, COMPLYING WITH THE REQUIREMENTS OF ASTM-M-213, RECESSED 1/4" FROM THE FRONT FACE AND TOP OF THE CURB.
  3. DUMMY JOINTS (FORMED) SHALL BE INSTALLED MIDWAY BETWEEN EXPANSION JOINTS.
  4. WIDTH OF JOINT FILLER STRIP EQUAL TO THE THICKNESS OF THE PAVEMENT LESS 1/2".
  5. THESE SPECIFICATIONS ALSO MEET BDS DESIGN STANDARDS.

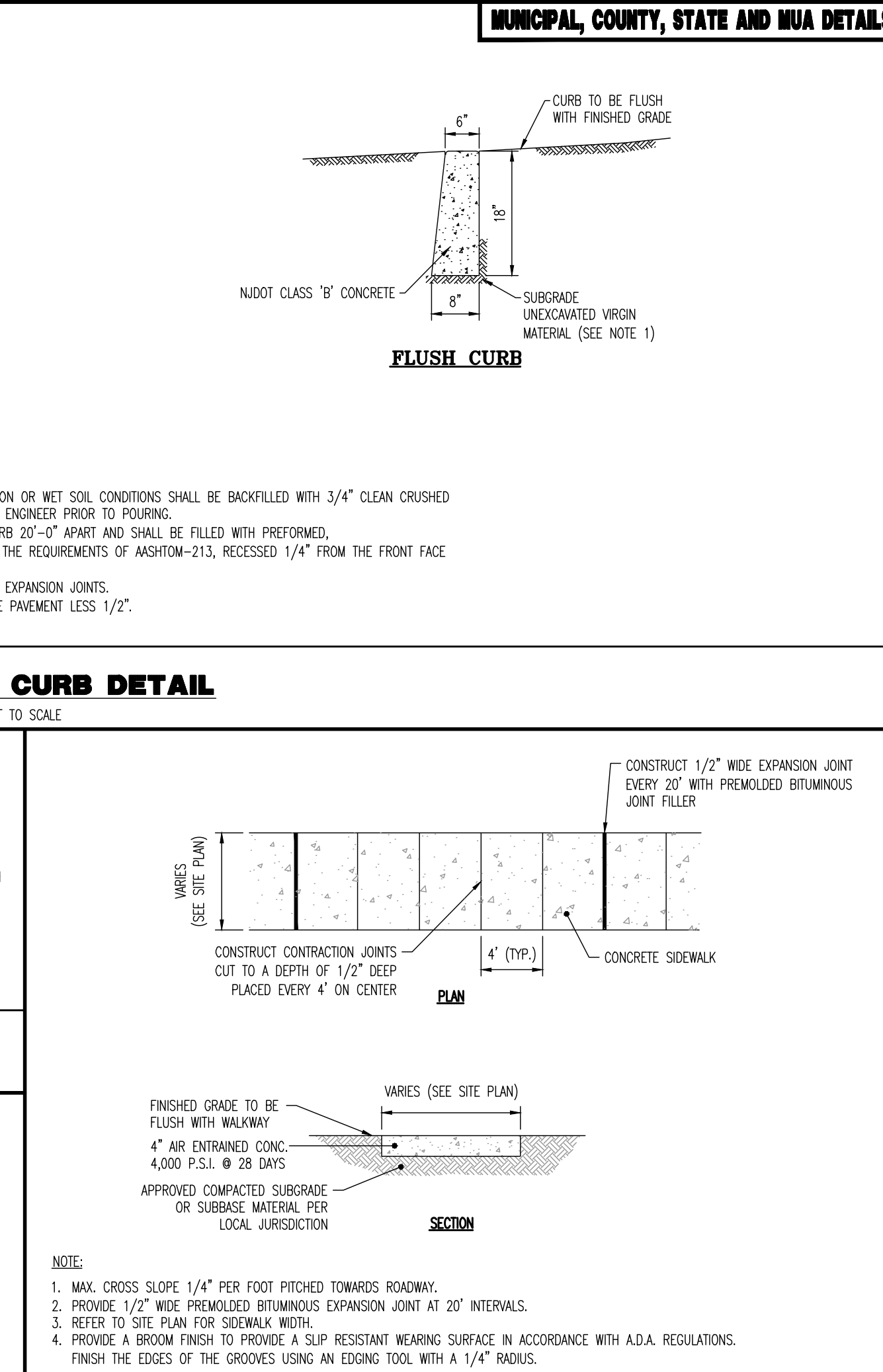


**VERTICAL CURB TAPER DETAIL**  
NOT TO SCALE

NOTE: SEE CURB DETAIL FOR MATERIAL SPECIFICATIONS, BEDDING REQUIREMENTS, ETC.

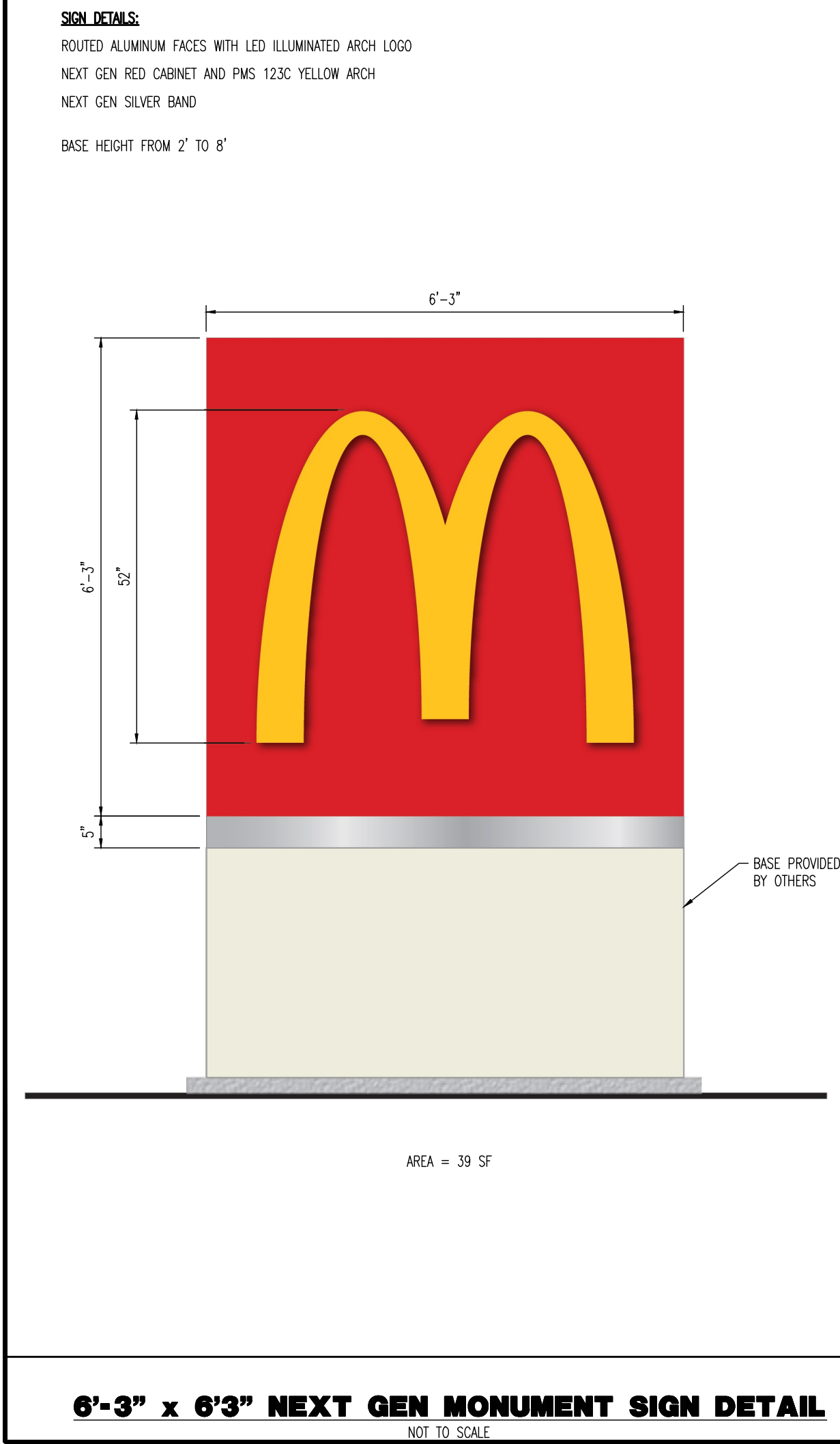


**CONCRETE TO ASPHALT TRANSITION DETAIL**  
NOT TO SCALE

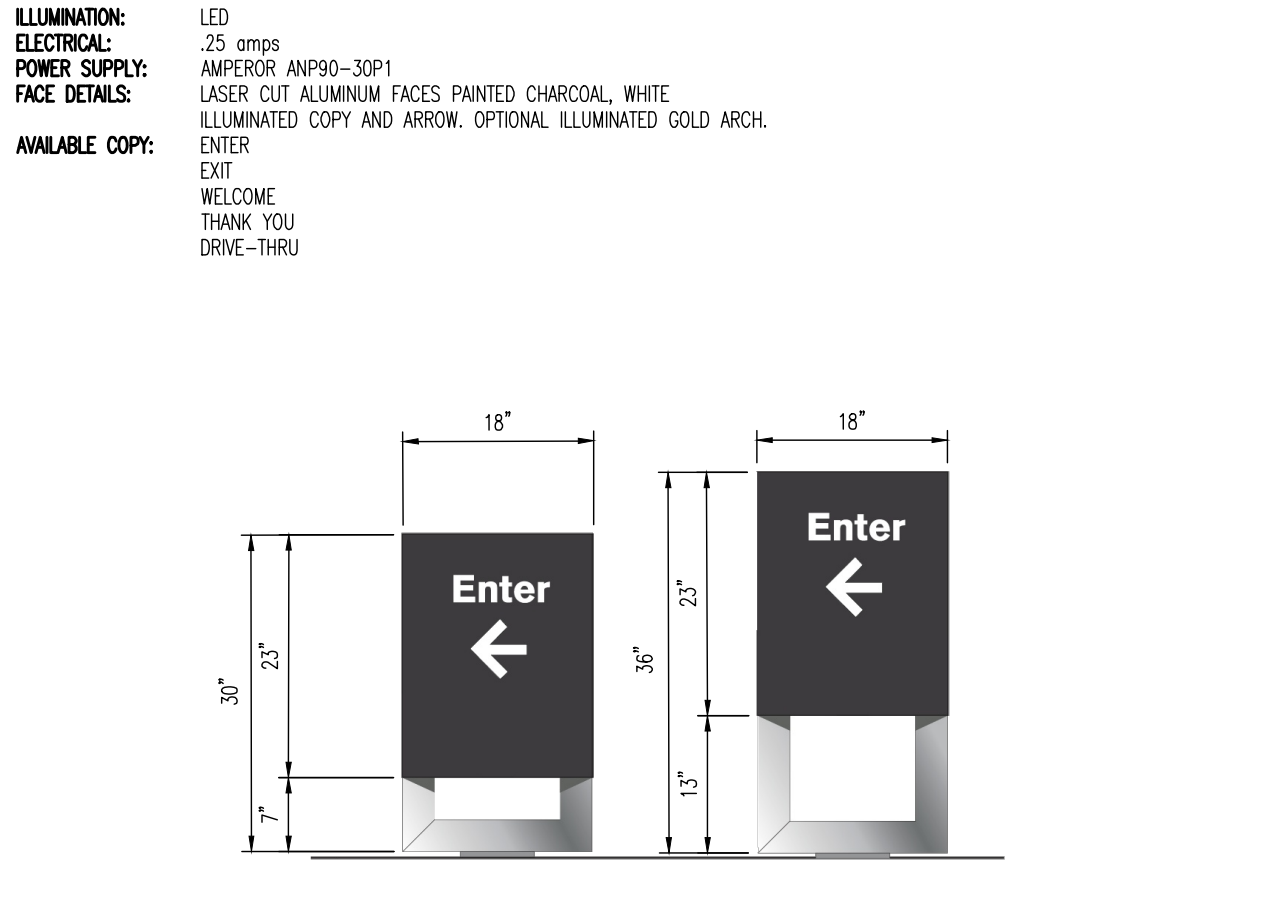


**SIDEWALK DETAIL**  
NOT TO SCALE

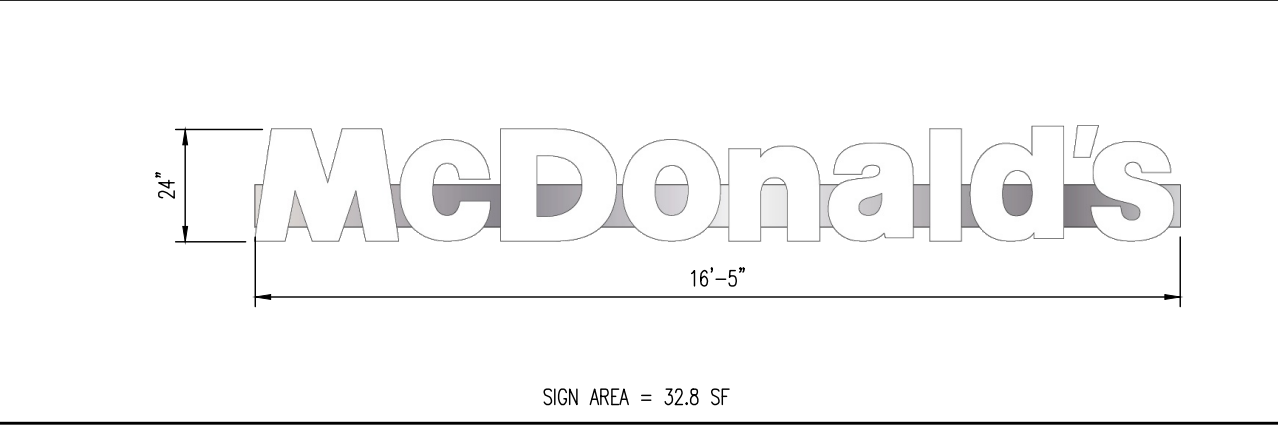
- NOTE:
1. MAX. CROSS SLOPE 1/4" PER FOOT PITCHED TOWARDS ROADWAY.
  2. PROVIDE 1/2" WIDE PREFORMED BITUMINOUS EXPANSION JOINT AT 20' INTERVALS.
  3. REFER TO SITE PLAN FOR SIDEWALK WIDTH.
  4. PROVIDE A BROOM FINISH TO PROVIDE A SLIP RESISTANT WEARING SURFACE IN ACCORDANCE WITH A.D.A. REGULATIONS. FINISH THE EDGES OF THE GROOVES USING AN EDGING TOOL WITH A 1/4" RADIUS.



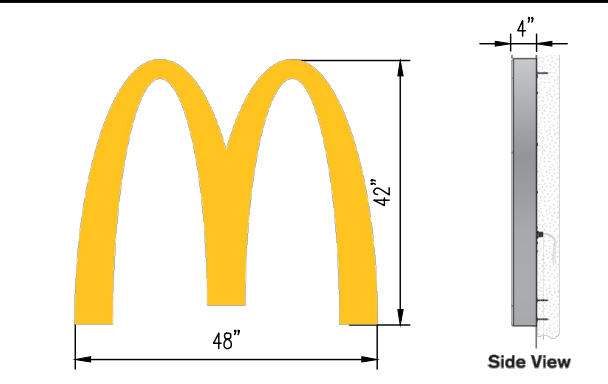
**SIGN DETAILS:**  
 ROUTED ALUMINUM FACES WITH LED ILLUMINATED ARCH LOGO  
 NEXT GEN RED CABINET AND PMS 123C YELLOW ARCH  
 NEXT GEN SILVER BAND  
 BASE HEIGHT FROM 2' TO 8'



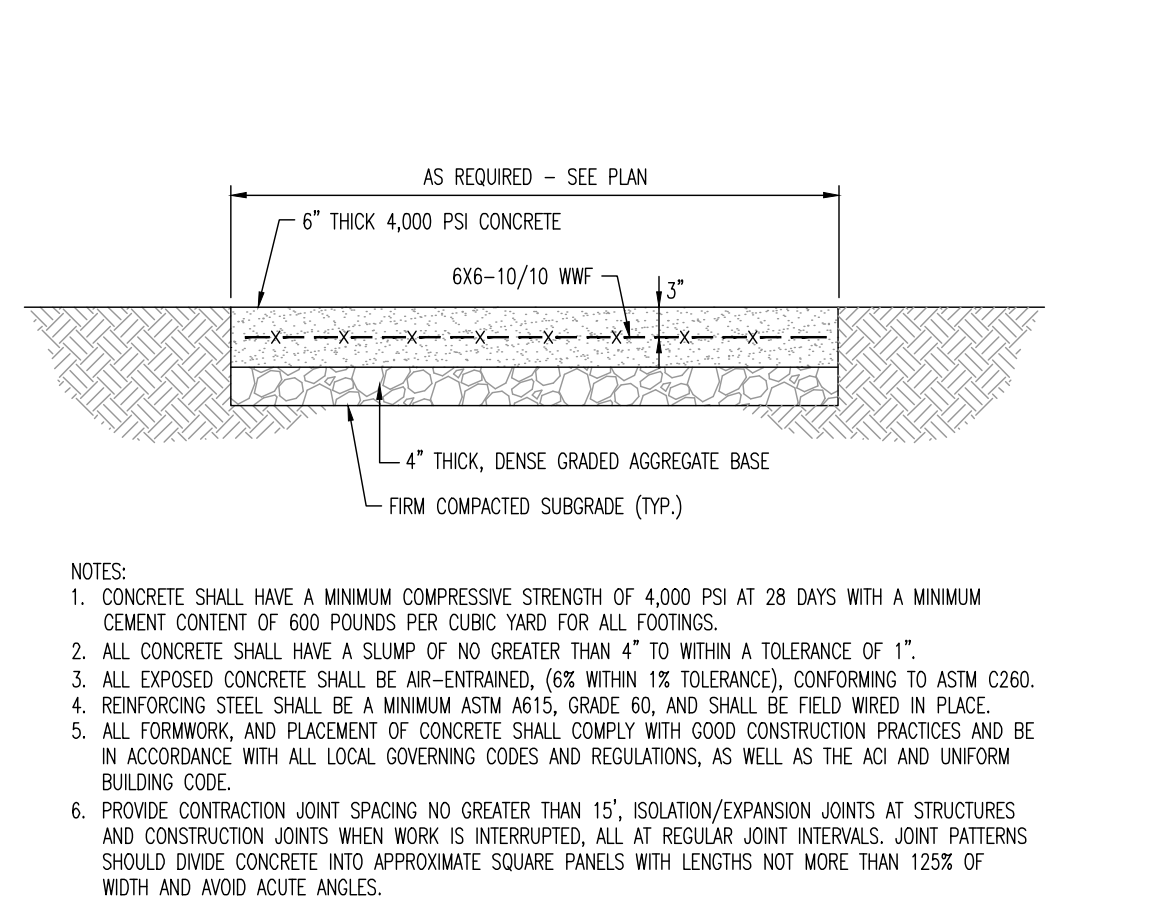
**NEXT GEN DIRECTIONAL SIGN DETAIL**  
NOT TO SCALE



**BUILDING ID SIGN DETAIL**  
NOT TO SCALE

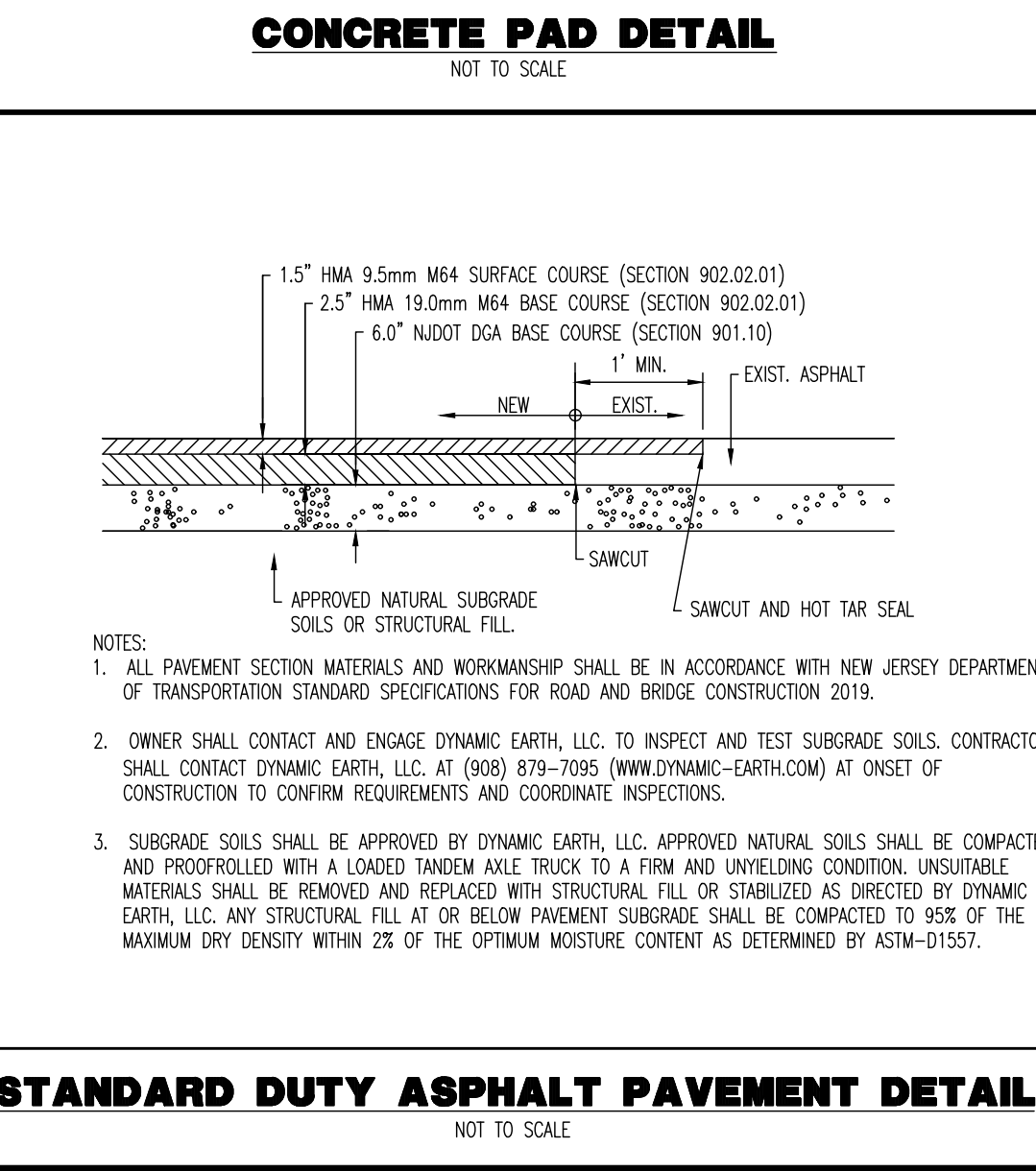


**BUILDING "M" LOGO SIGN DETAIL**  
NOT TO SCALE

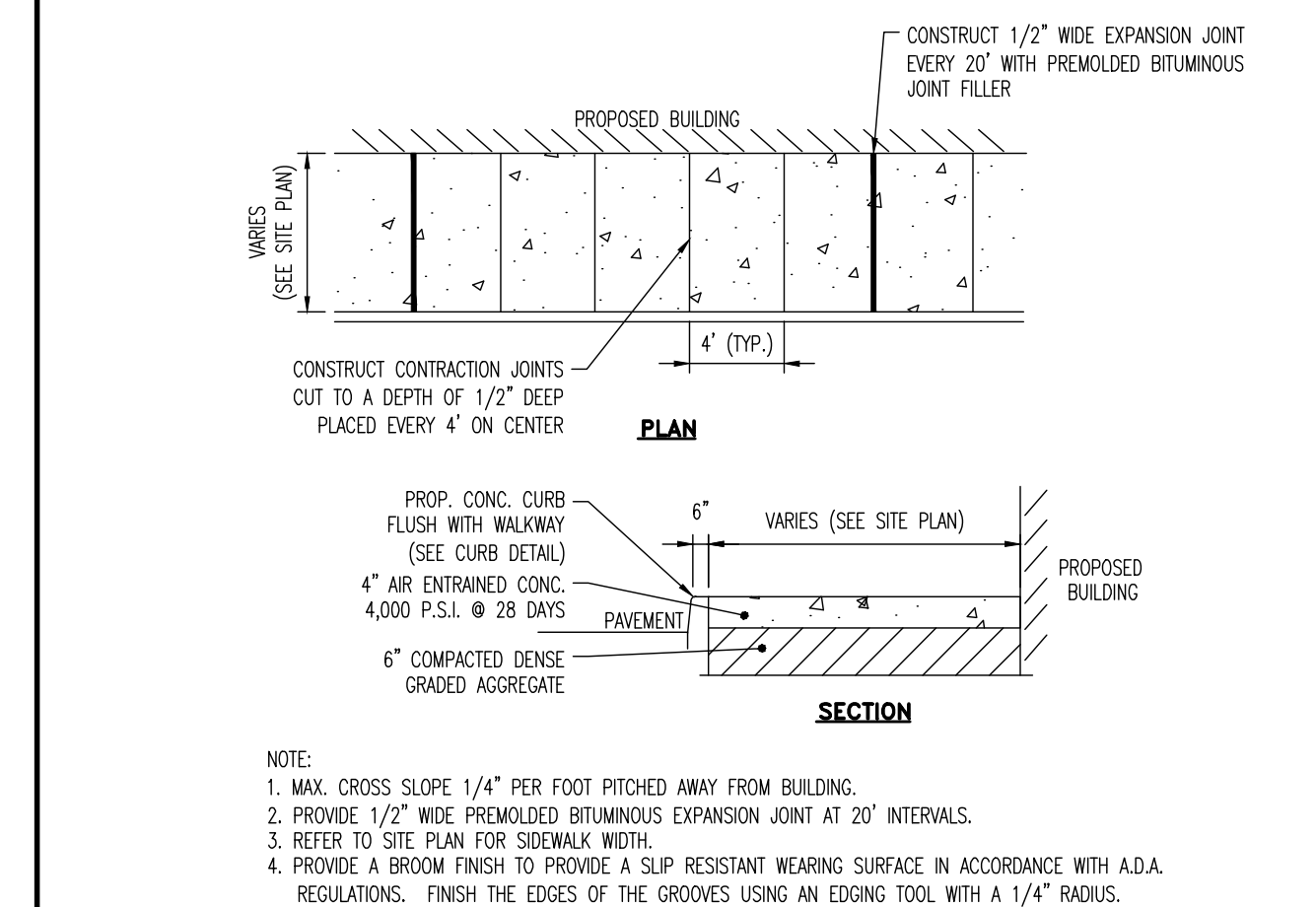


**CONCRETE PAD DETAIL**  
NOT TO SCALE

- NOTES:
1. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS WITH A MINIMUM CEMENT CONTENT OF 600 POUNDS PER CUBIC YARD FOR ALL FOOTINGS.
  2. ALL CONCRETE SHALL HAVE A SLUMP OF NO GREATER THAN 4" TO WITHIN A TOLERANCE OF 1".
  3. ALL EXPOSED CONCRETE SHALL BE AIR-ENTRAINED, (6% WITHIN 1% TOLERANCE), CONFORMING TO ASTM C260.
  4. REINFORCING STEEL SHALL BE A MINIMUM ASTM A615, GRADE 60, AND SHALL BE FIELD WIRED IN PLACE.
  5. ALL FORMWORK, AND PLACEMENT OF CONCRETE SHALL COMPLY WITH GOOD CONSTRUCTION PRACTICES AND BE IN ACCORDANCE WITH ALL LOCAL GOVERNING CODES AND REGULATIONS, AS WELL AS THE ACI AND UNIFORM BUILDING CODE.
  6. PROVIDE CONTRACTION JOINT SPACING NO GREATER THAN 15'. ISOLATION/EXPANSION JOINTS AT STRUCTURES AND CONSTRUCTION JOINTS WHEN WORK IS INTERRUPTED, ALL AT REGULAR JOINT INTERVALS. JOINT PATTERNS SHOULD DIVIDE CONCRETE INTO APPROXIMATE SQUARE PANELS WITH LENGTHS NOT MORE THAN 125% OF WIDTH AND AVOID ACUTE ANGLES.



**STANDARD DUTY ASPHALT PAVEMENT DETAIL**  
NOT TO SCALE



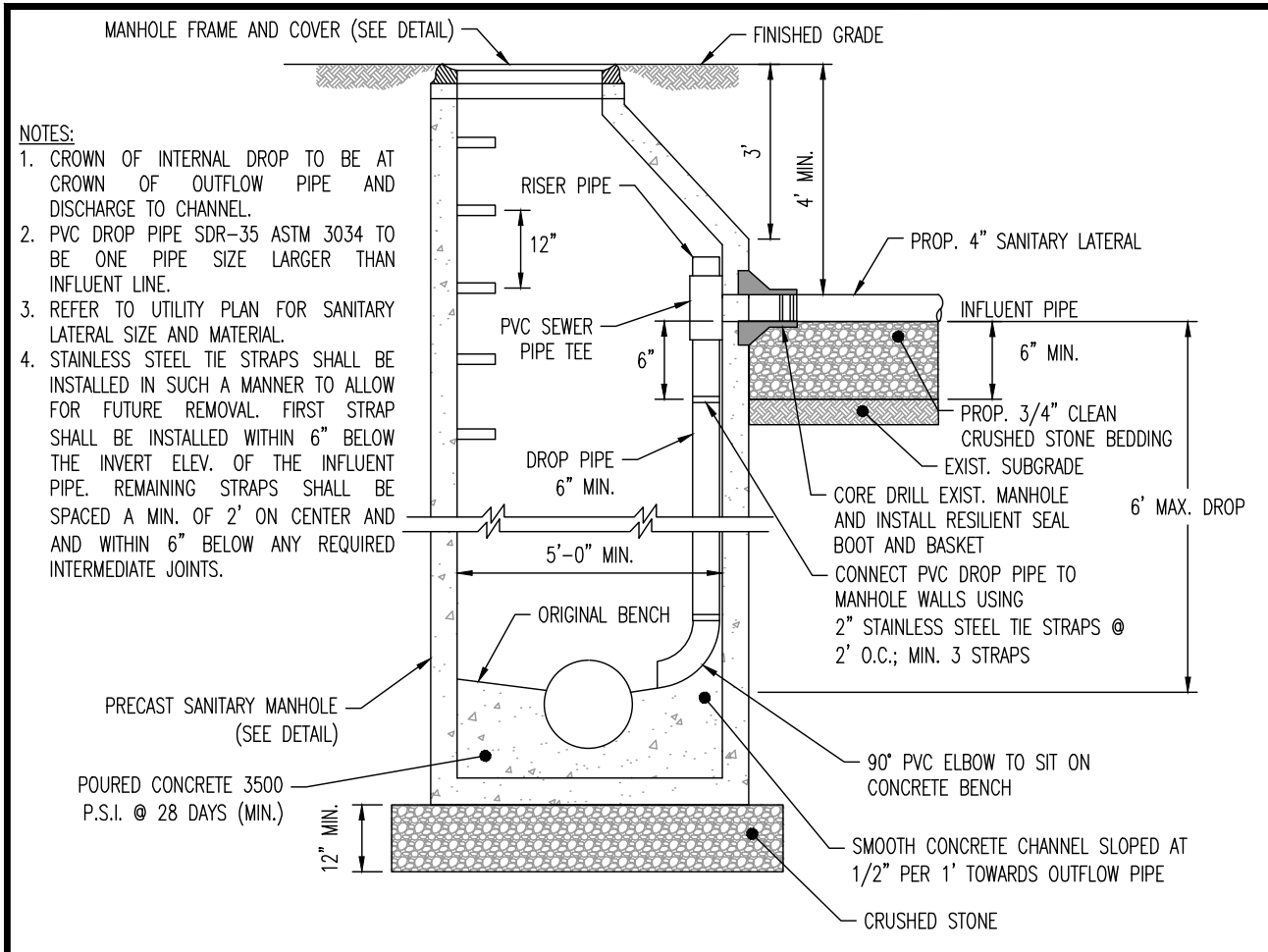
**CURB AND WALK DETAIL AT BUILDING**  
NOT TO SCALE

- NOTE:
1. MAX. CROSS SLOPE 1/4" PER FOOT PITCHED AWAY FROM BUILDING.
  2. PROVIDE 1/2" WIDE PREFORMED BITUMINOUS EXPANSION JOINT AT 20' INTERVALS.
  3. REFER TO SITE PLAN FOR SIDEWALK WIDTH.
  4. PROVIDE A BROOM FINISH TO PROVIDE A SLIP RESISTANT WEARING SURFACE IN ACCORDANCE WITH A.D.A. REGULATIONS. FINISH THE EDGES OF THE GROOVES USING AN EDGING TOOL WITH A 1/4" RADIUS.

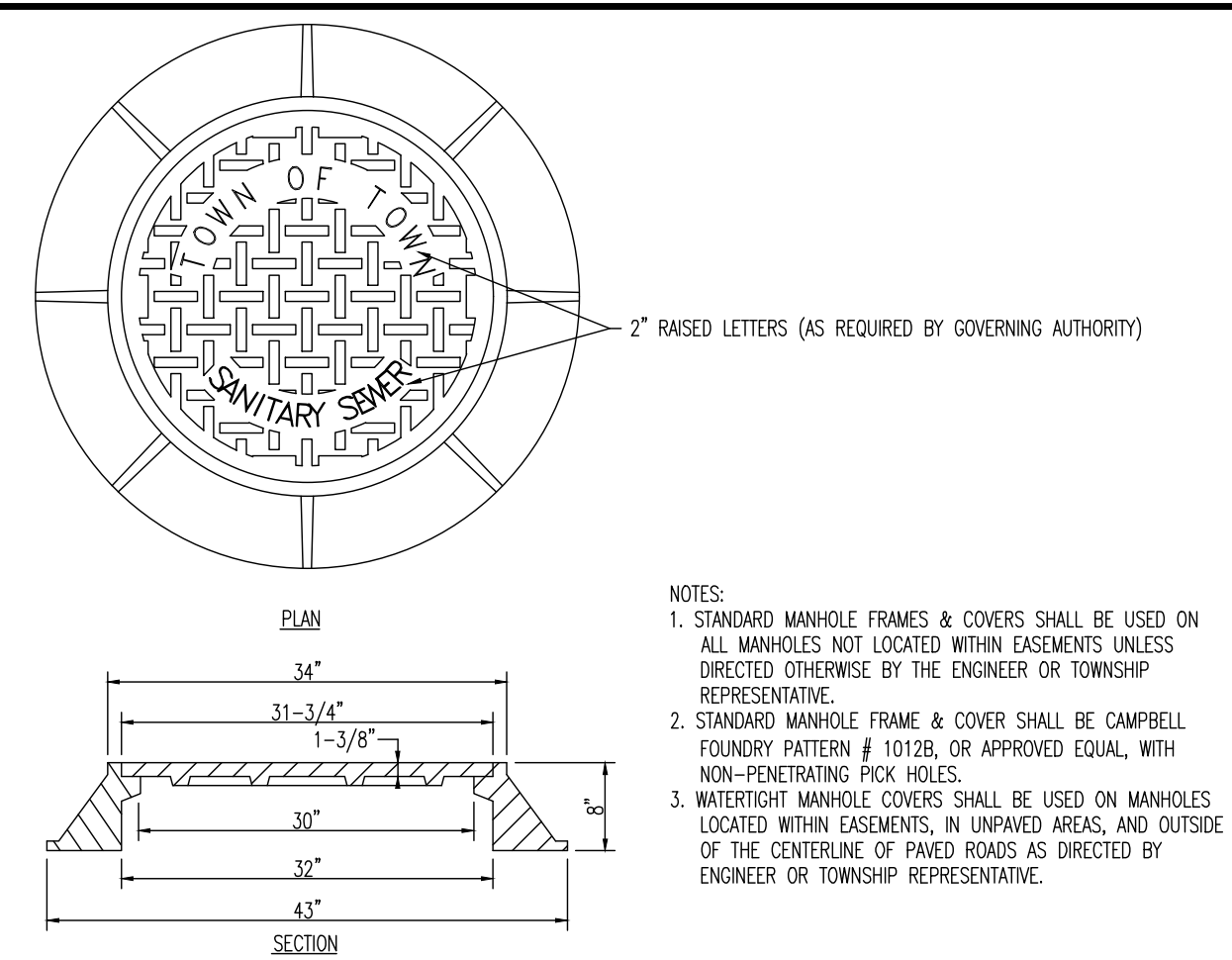
<p>50 Pdf Page - Size 8.5" x 11" (Portrait)          Newark, NJ 07102          www.dynamic.com</p> <p><b>DYNAMIC ENGINEERING</b>          LAND DEVELOPMENT CONSULTING • PERMITTING • GEOTECHNICAL • ENVIRONMENTAL • SURVEY • PLANNING &amp; ZONING</p> <p>1000 State Street, Suite 1000          Newark, New Jersey 07102          Phone: 973.235.2000          Fax: 973.235.2001          Email: info@dynamic.com          Website: www.dynamic.com</p>		<p>DATE: 05/14/2025</p> <p>REVISIONS:</p> <table border="1"> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	NO.	DATE	DESCRIPTION			
NO.	DATE	DESCRIPTION						
<p>PROJECT: PROPOSED McDONALD'S RESTAURANT BUILDING 45-84</p> <p>CLIENT: TOWNSHIP OF Evesham, NJ</p> <p>DATE: 05/14/2025</p>	<p>DESIGNED BY: JOSEPH C. SPARONE</p> <p>CHECKED BY: TIAGO F. DUARTE</p>	<p>PROJECT NO: 23-01590</p> <p>SHEET NO: 15 OF 21</p>						



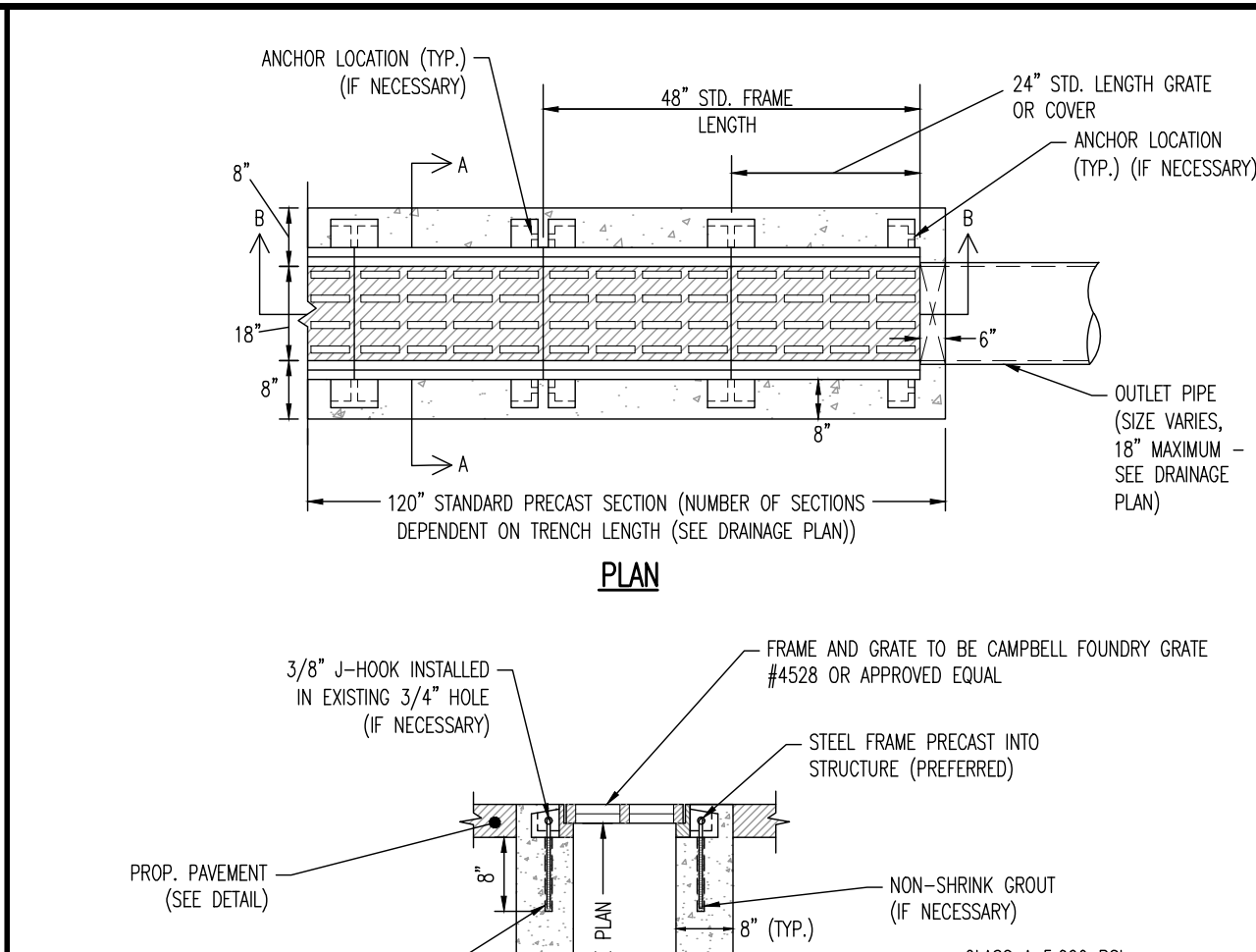
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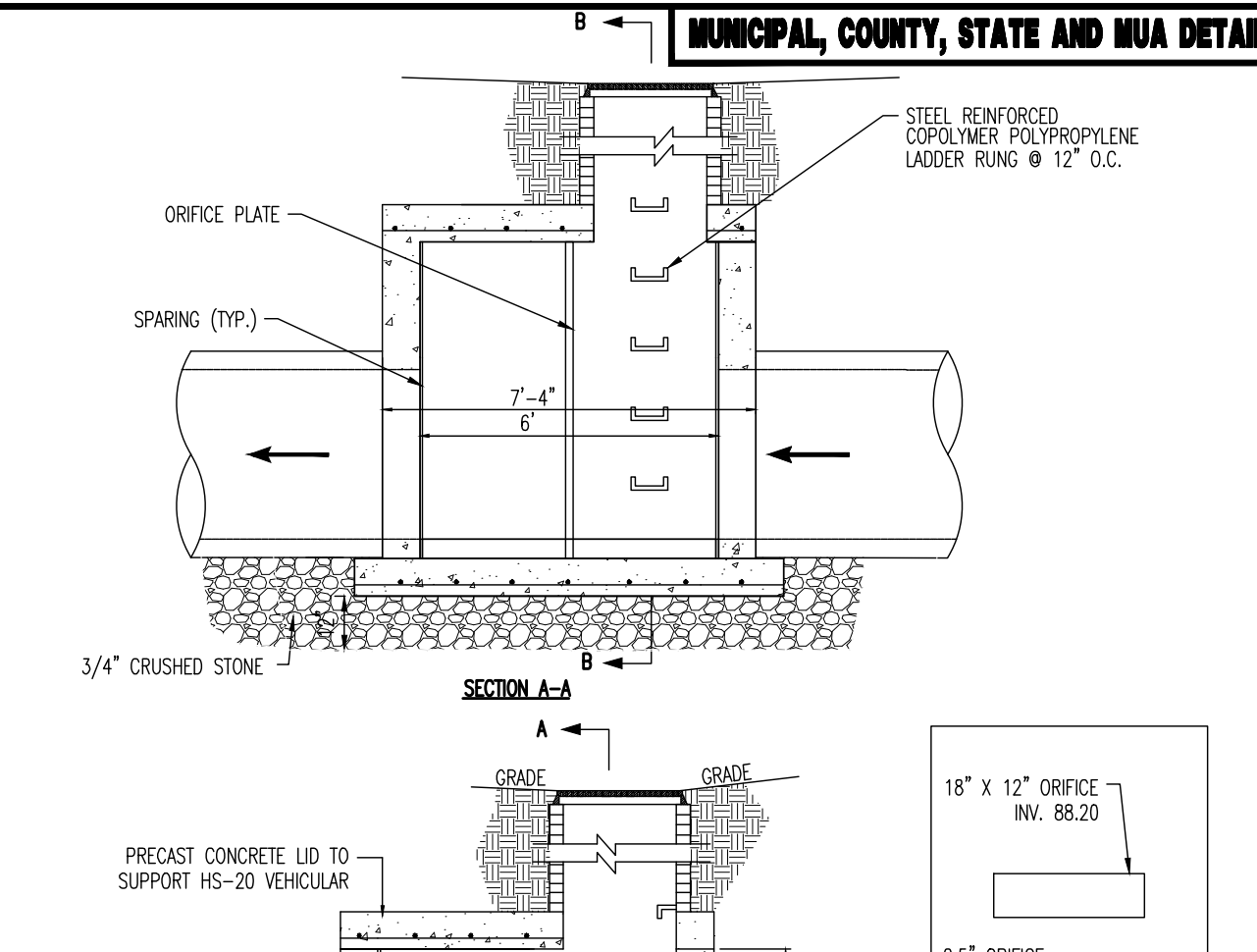
**SANITARY DROP CONNECTION (INTERNAL) MANHOLE DETAIL**  
NOT TO SCALE



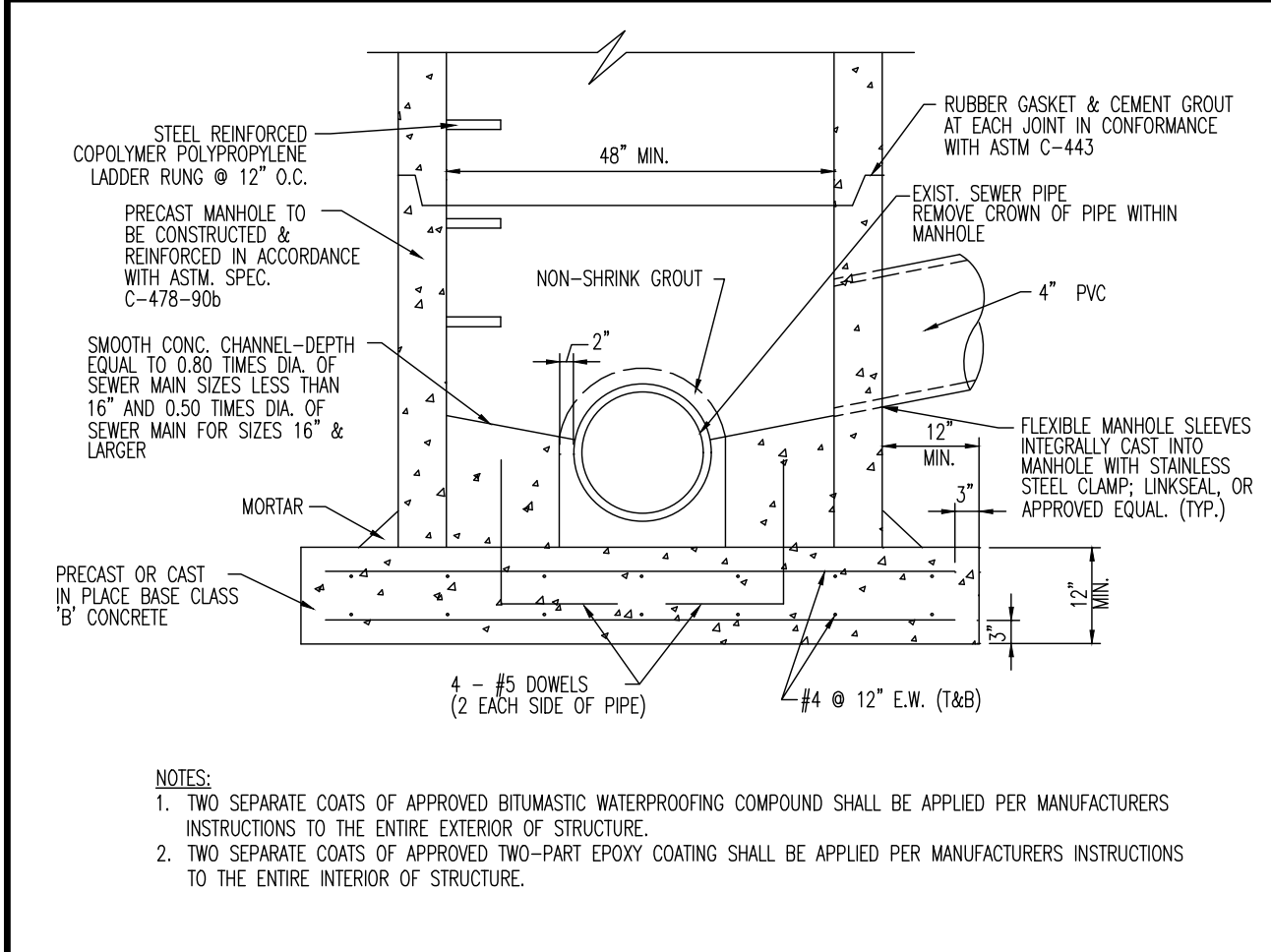
**SANITARY MANHOLE FRAME DETAIL**  
NOT TO SCALE



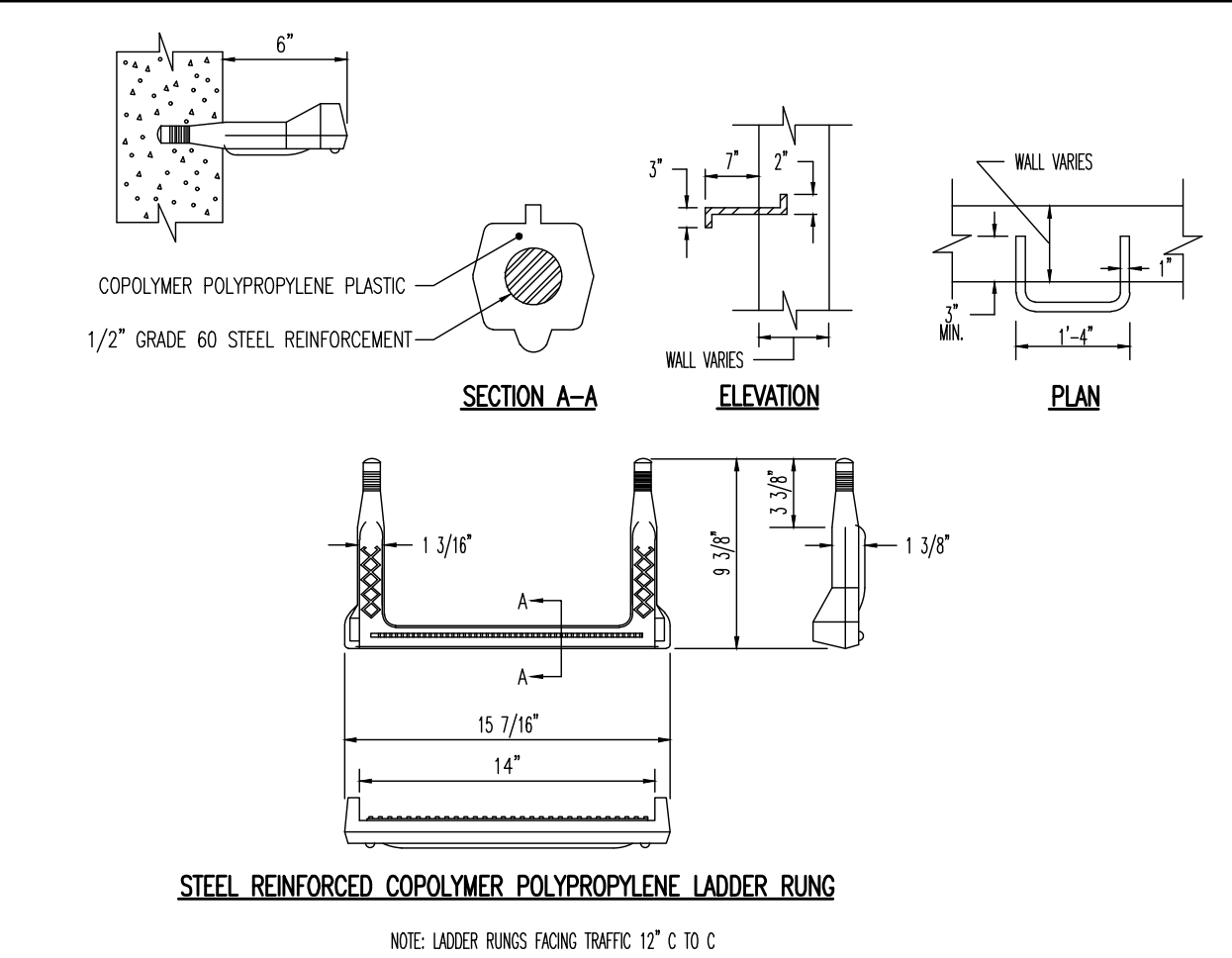
**SANITARY MANHOLE FRAME DETAIL (continued)**  
NOT TO SCALE



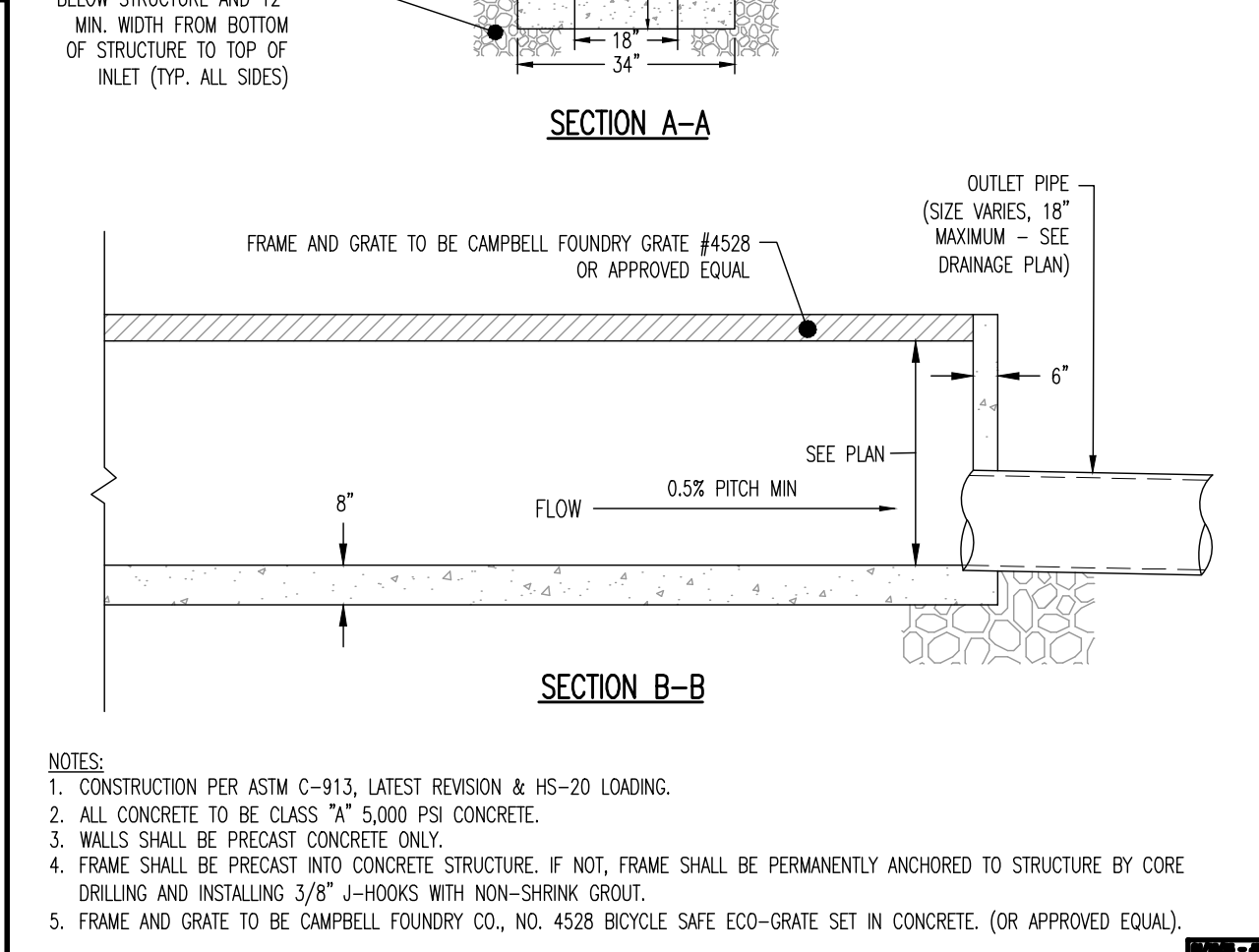
**MUNICIPAL, COUNTY, STATE AND MUA DETAILS TO SUPERSEDE DYNAMIC ENGINEERING DETAILS WHERE APPLICABLE**  
NOT TO SCALE



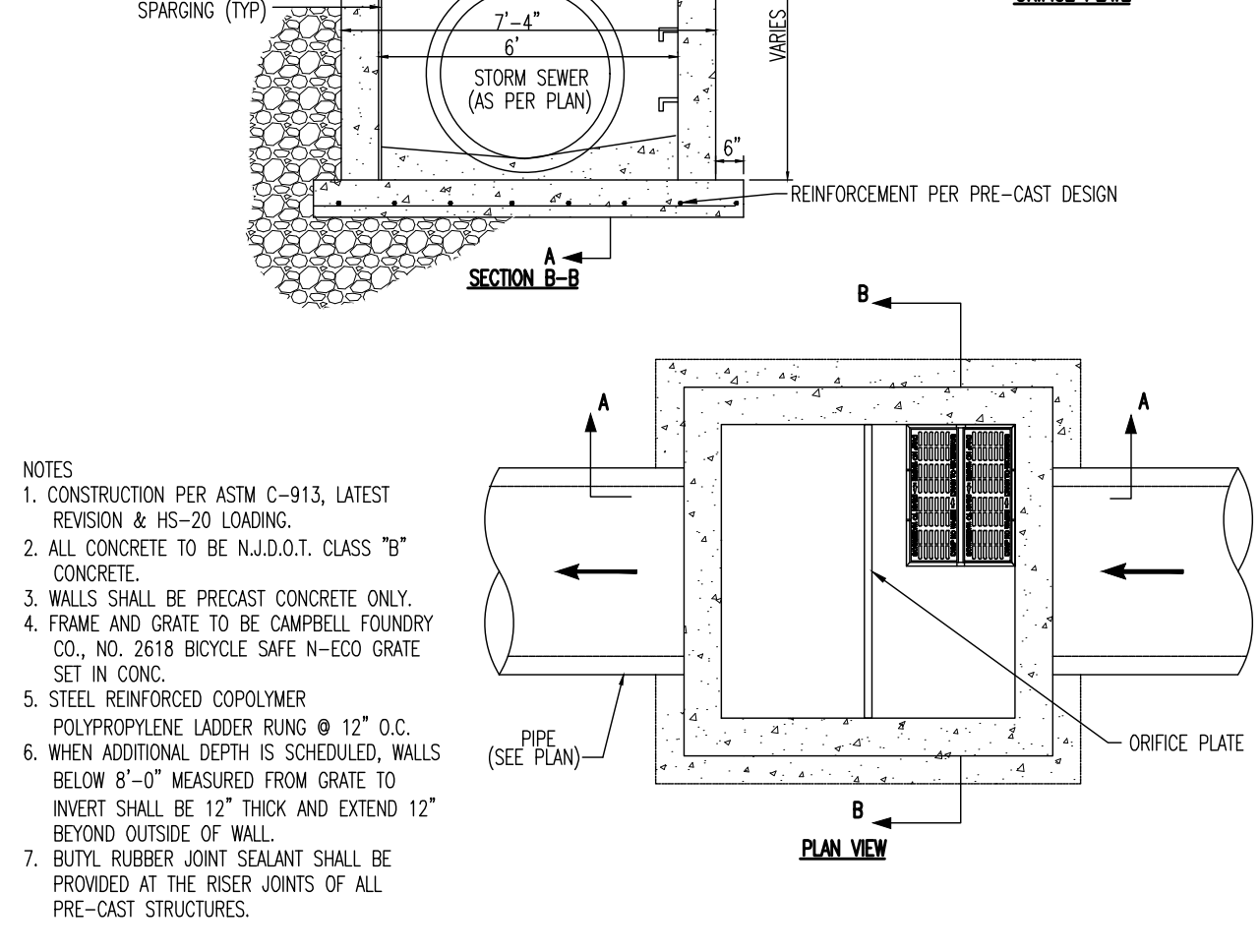
**SANITARY SEWER DOGHOUSE MANHOLE DETAIL**  
NOT TO SCALE



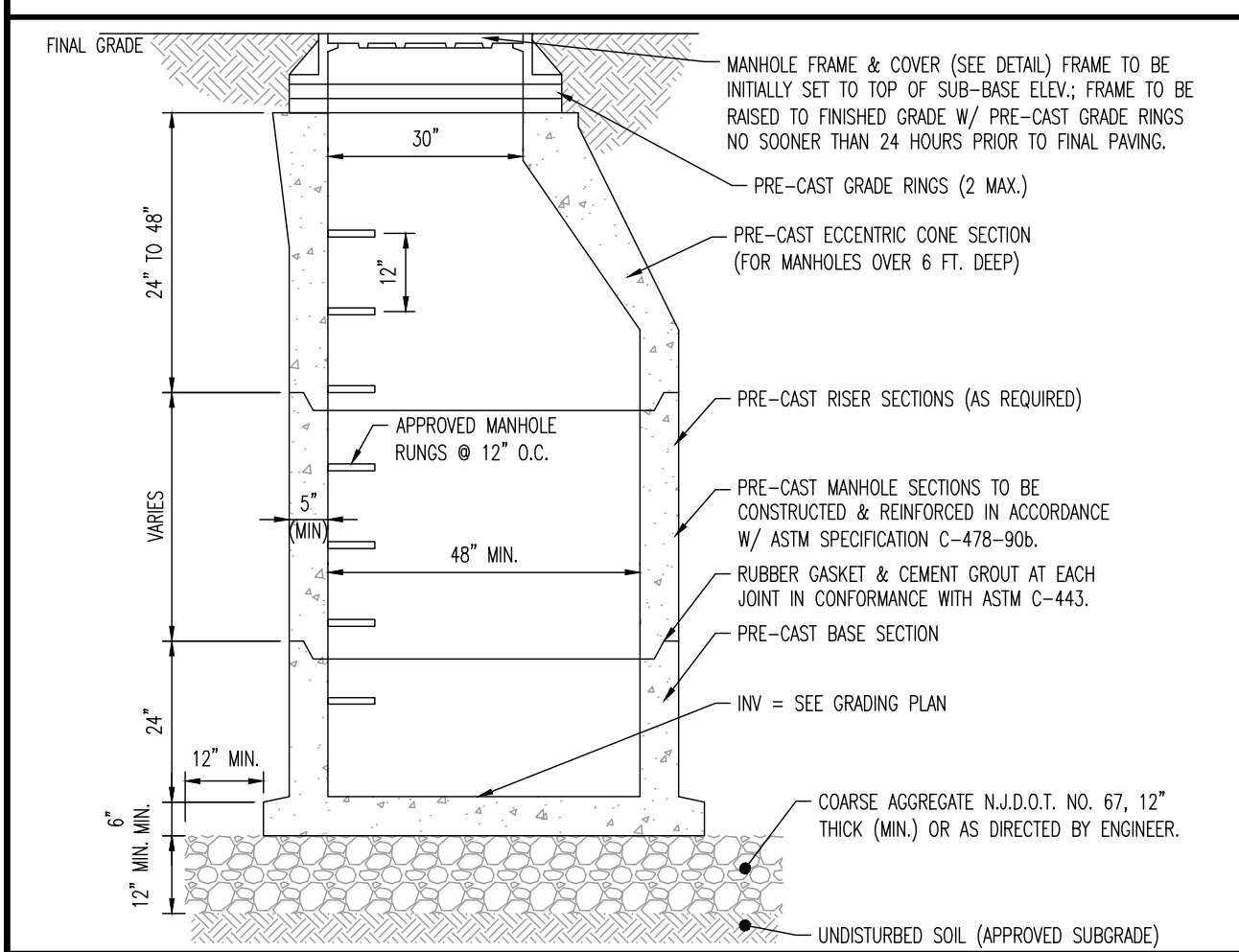
**LADDER RUNG DETAIL**  
NOT TO SCALE



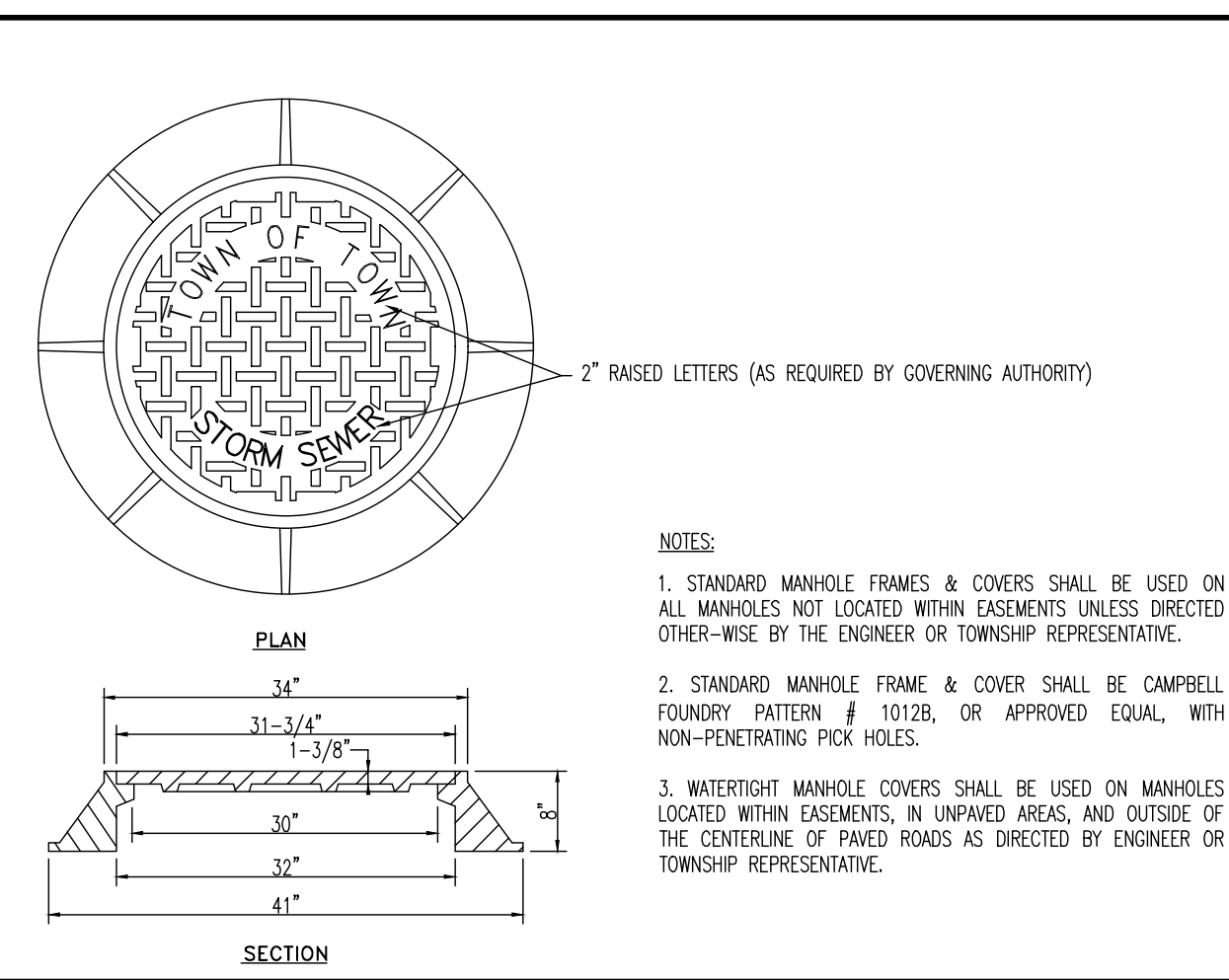
**PRECAST TRENCH DRAIN DETAIL**  
NOT TO SCALE



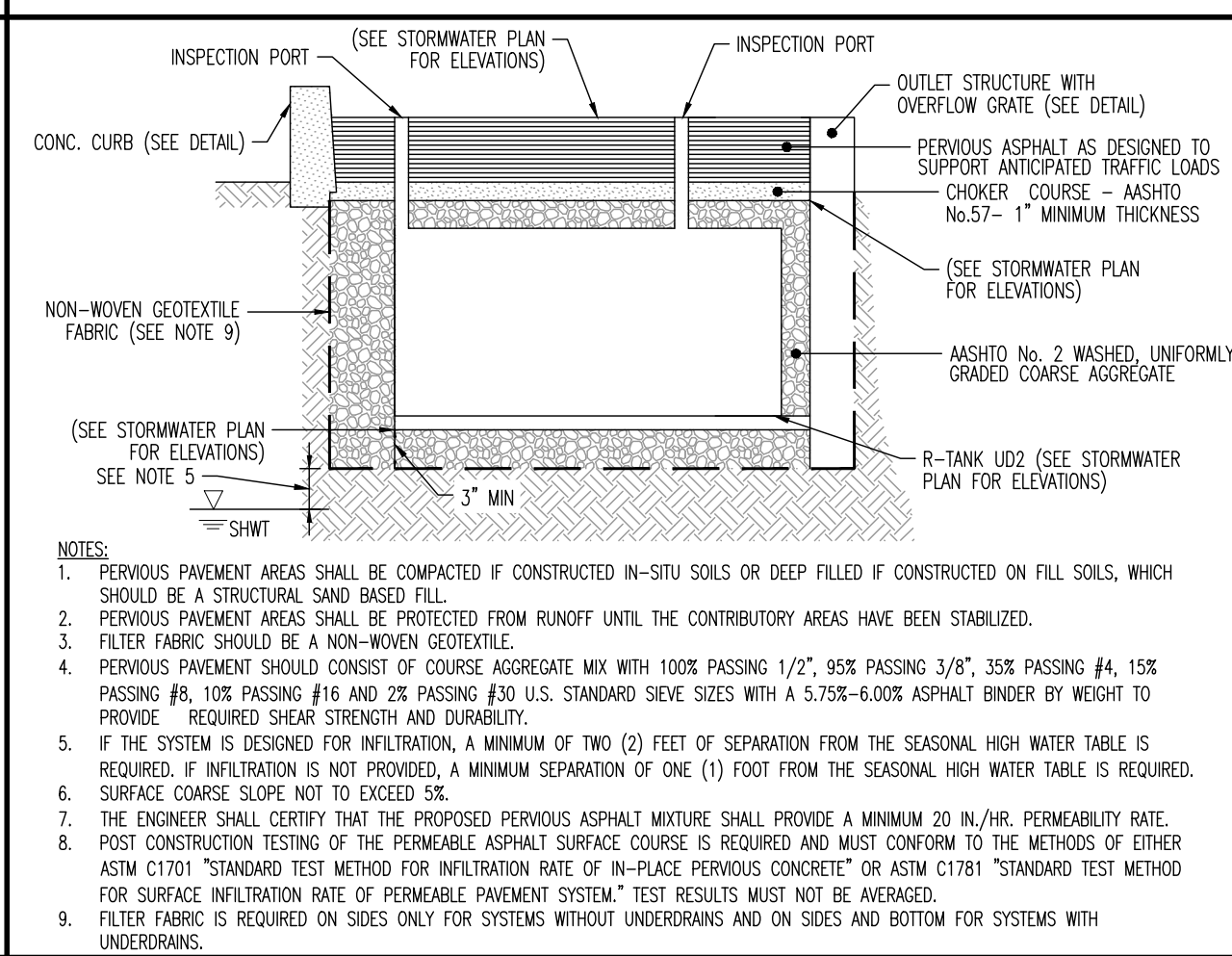
**OUTLET CONTROL STRUCTURE (OCS) #105 DETAIL**  
NOT TO SCALE



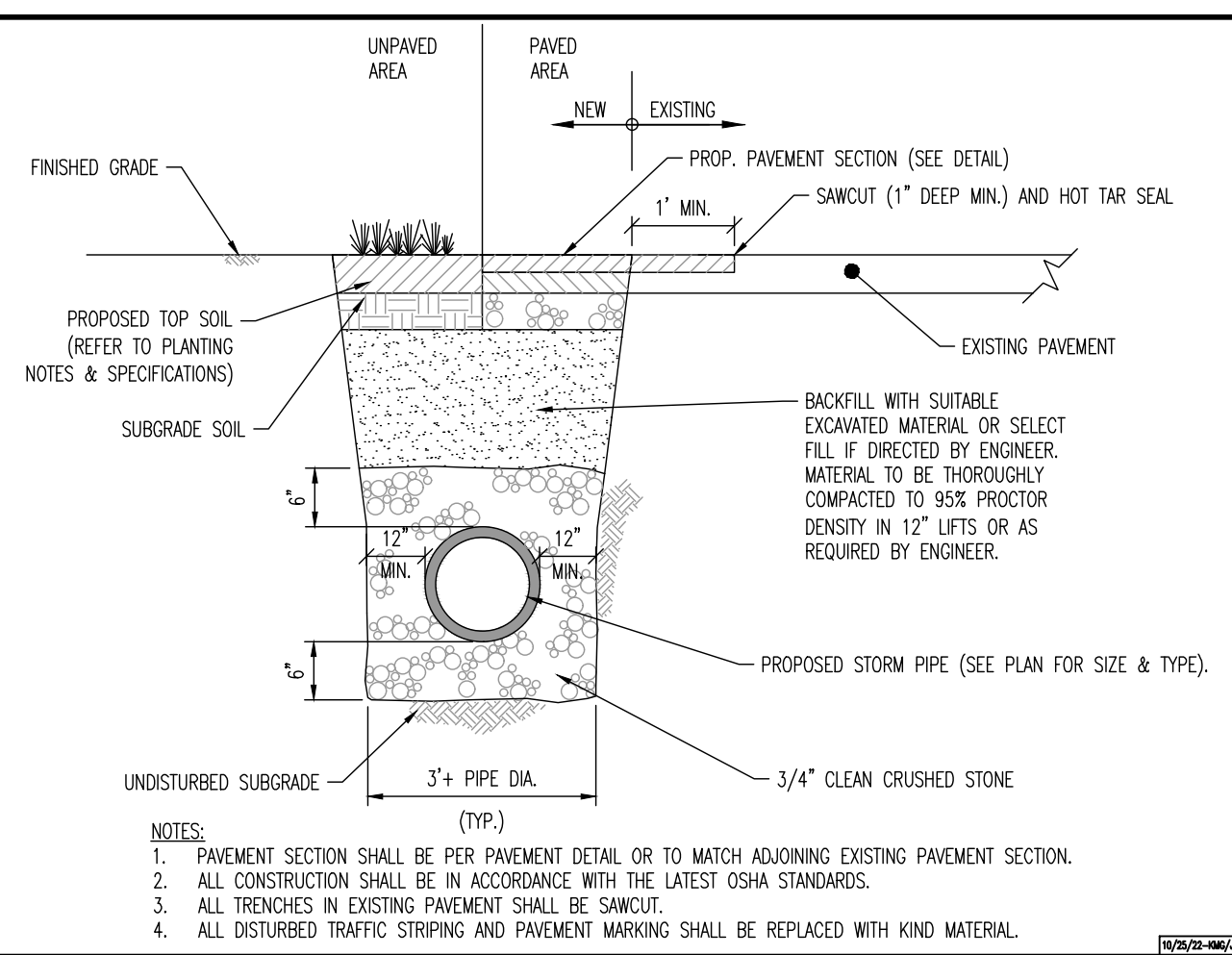
**TYPICAL PRECAST STORM MANHOLE**  
NOT TO SCALE



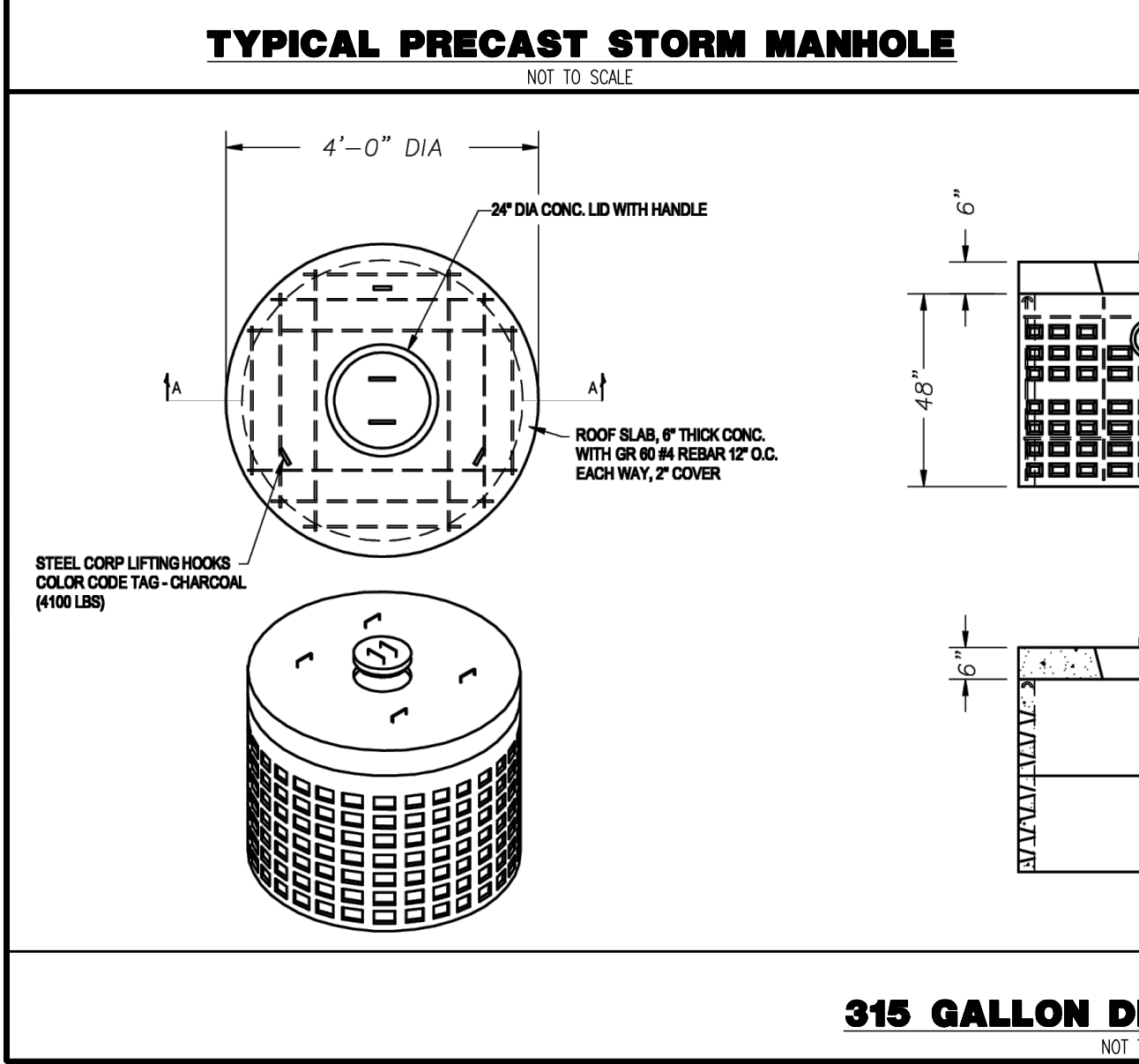
**STORM MANHOLE FRAME DETAIL**  
NOT TO SCALE



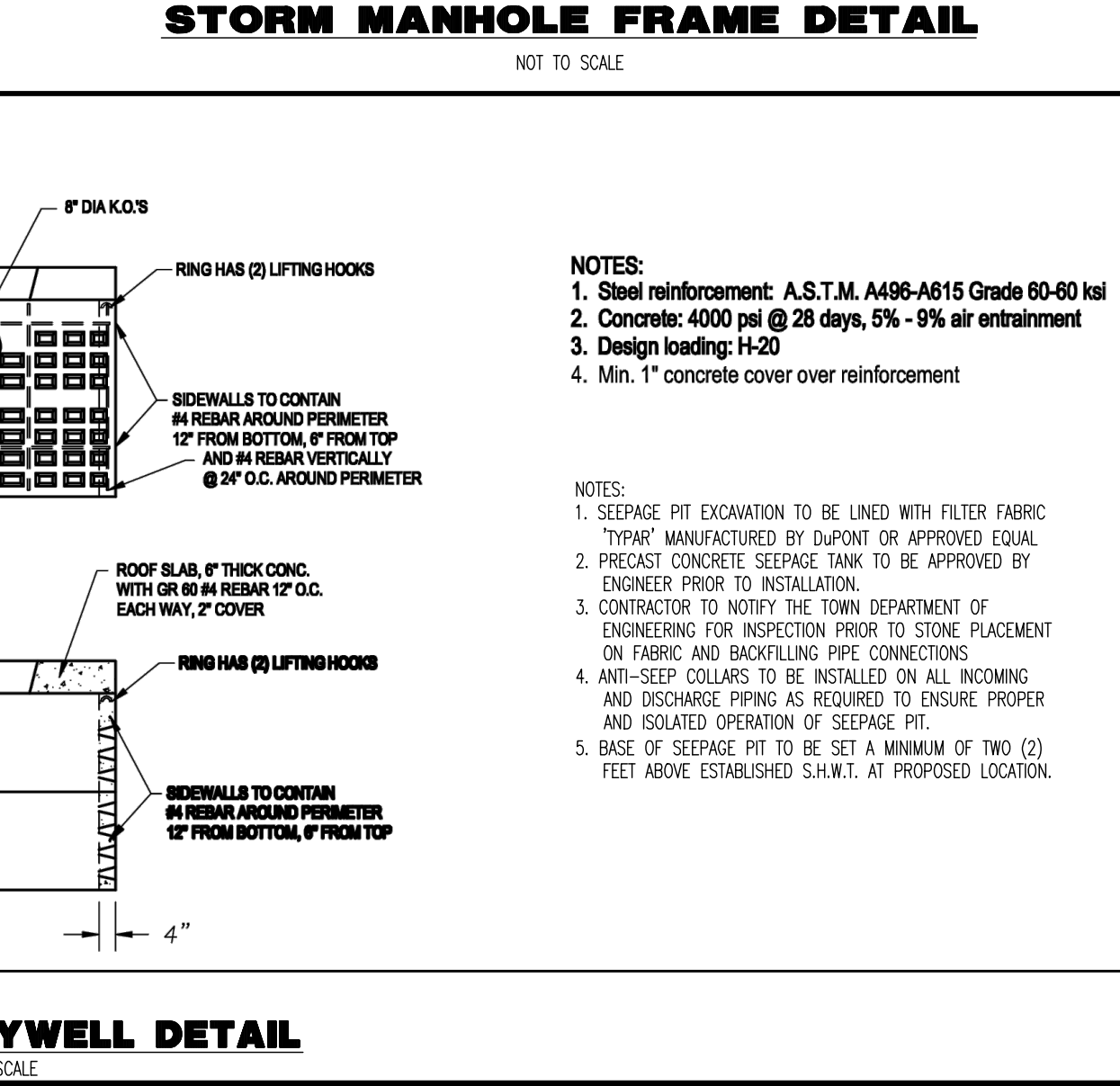
**PERVIOUS ASPHALT PAVEMENT DETAIL**  
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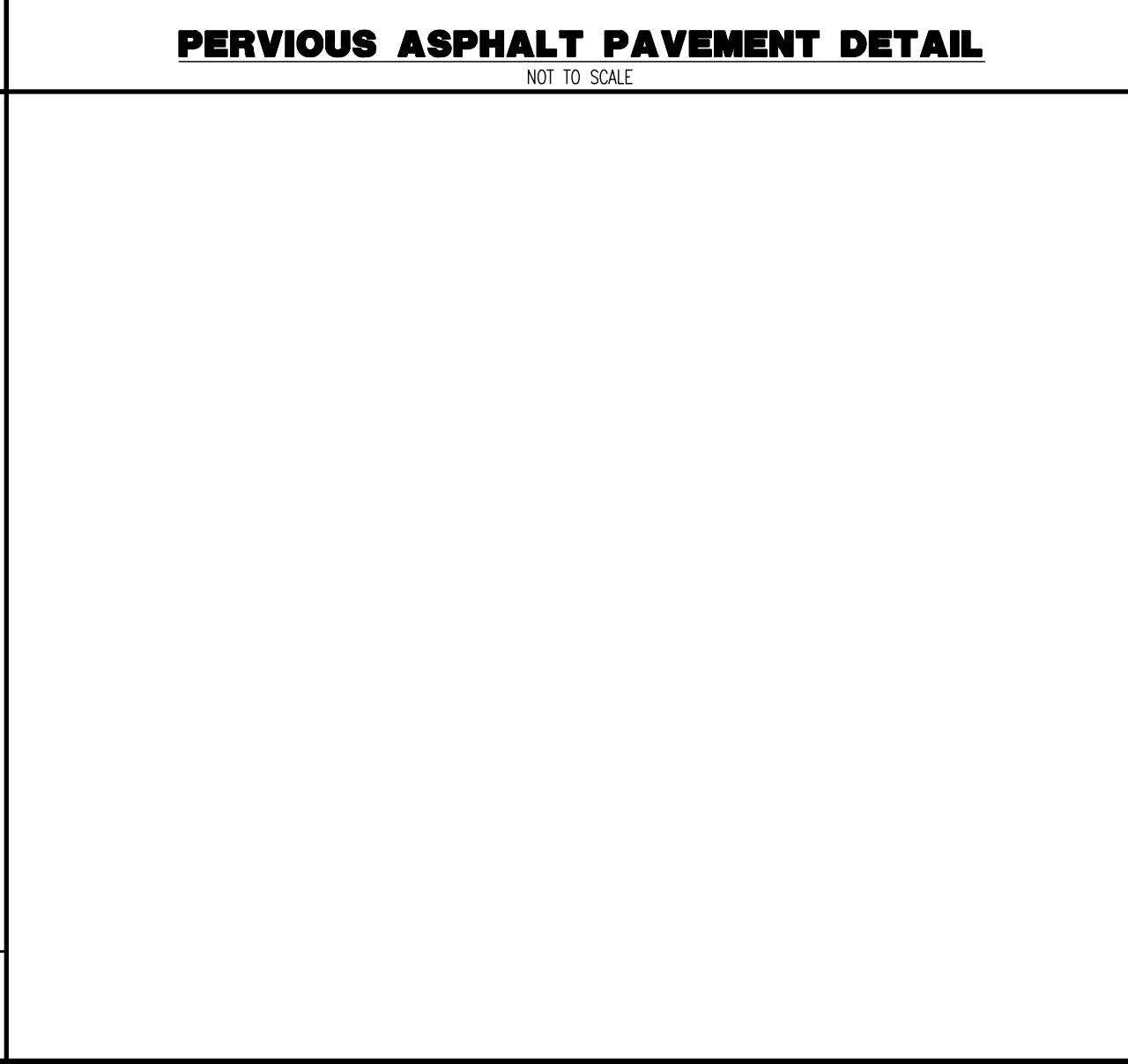
**STORM SEWER TRENCH DETAIL**  
NOT TO SCALE



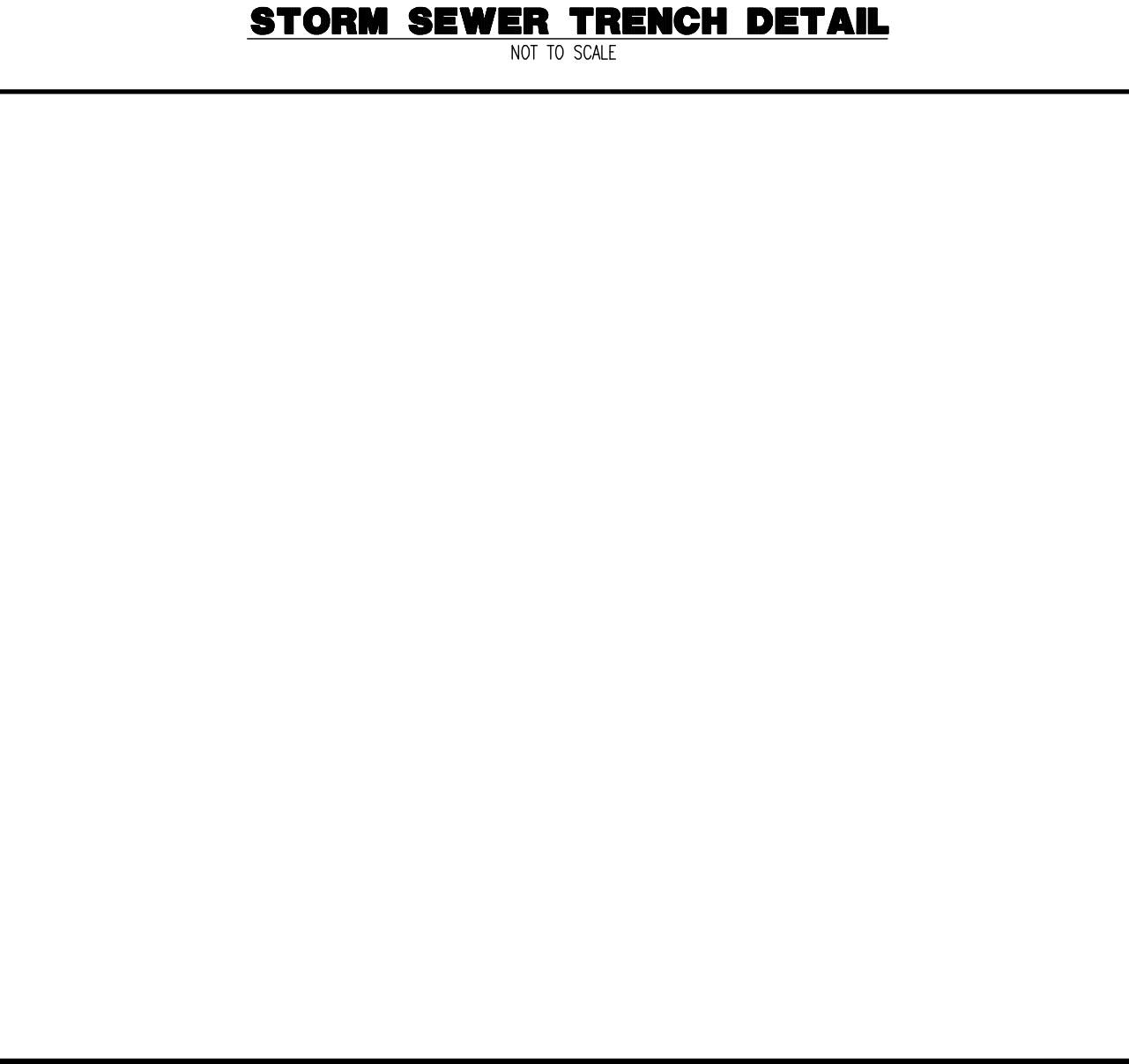
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NOT TO SCALE



**STORM MANHOLE FRAME DETAIL (continued)**  
NOT TO SCALE

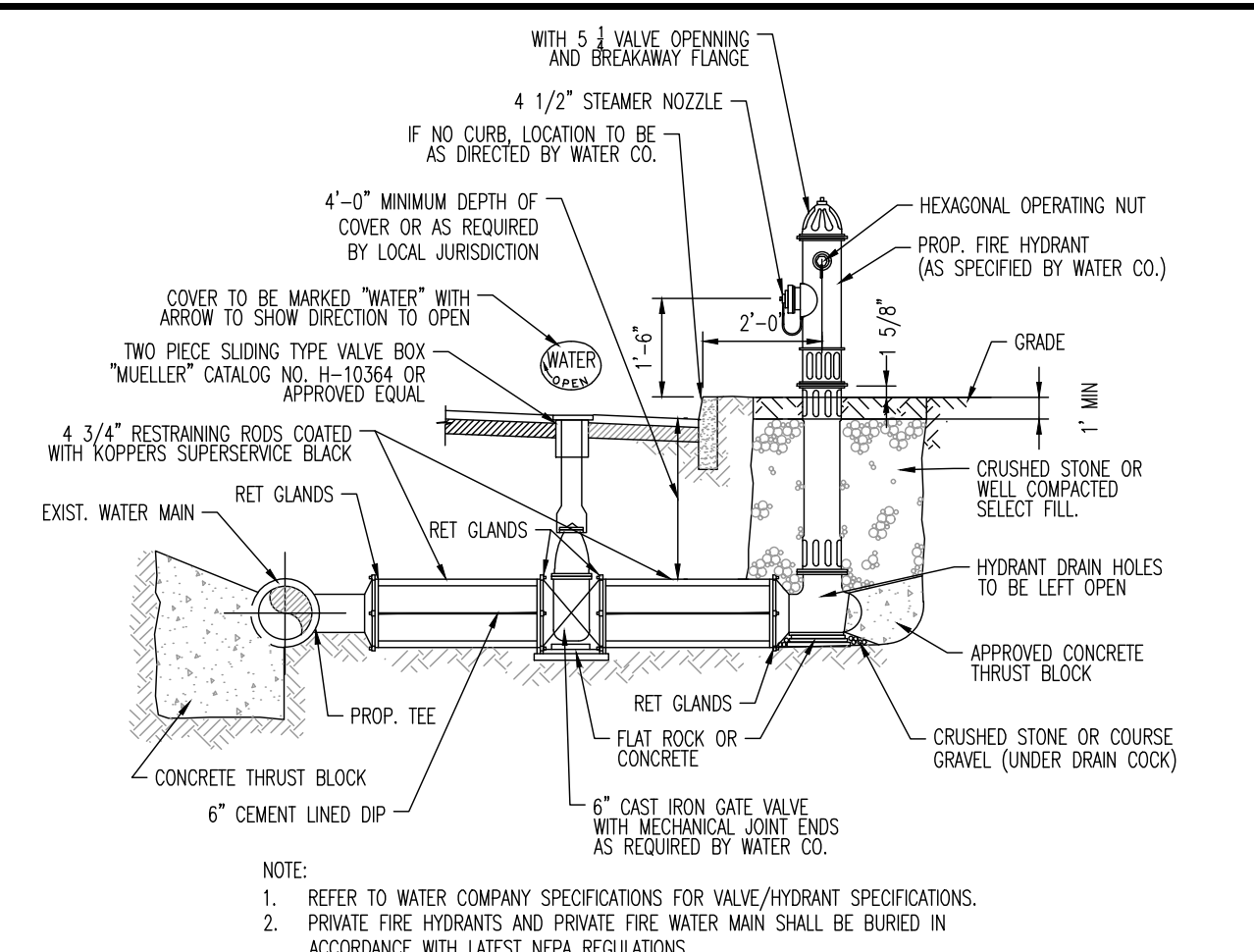


**PRECAST TRENCH DRAIN DETAIL (continued)**  
NOT TO SCALE

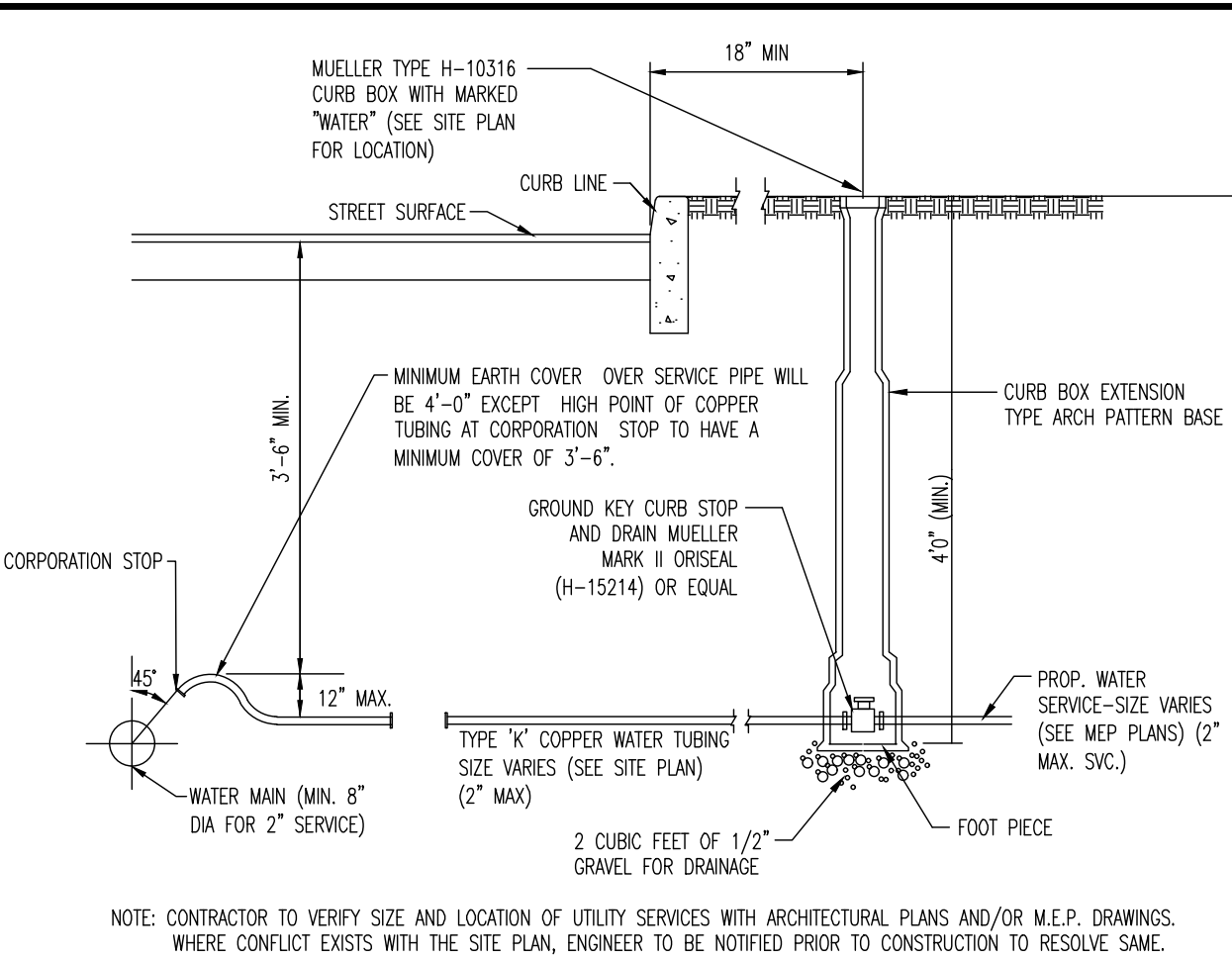


**OUTLET CONTROL STRUCTURE (OCS) #105 DETAIL (continued)**  
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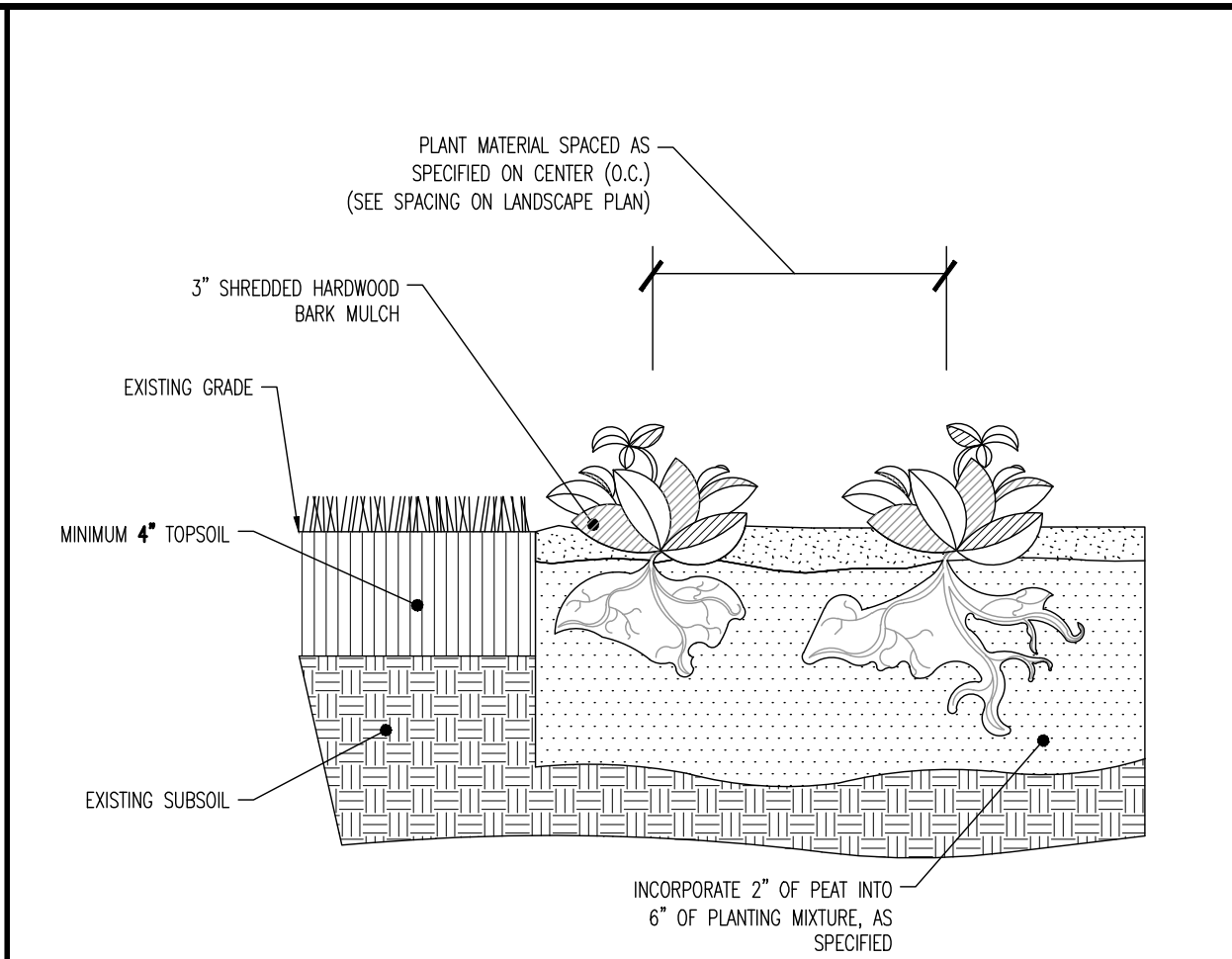
<p>50 Pdf Page - Sub 01 Newark, NJ 07102 www.dynaninc.com</p> <p><b>DYNAMIC ENGINEERING</b></p> <p>LAND DEVELOPMENT CONSULTING • PERMITTING • GEOTECHNICAL • ENVIRONMENTAL • SURVEY • PLANNING &amp; ZONING</p> <p>1000 New York Avenue, Suite 1000, Newark, NJ 07102        1000 New York Avenue, Suite 1000, Newark, NJ 07102        1000 New York Avenue, Suite 1000, Newark, NJ 07102        1000 New York Avenue, Suite 1000, Newark, NJ 07102</p>	<p>PREPARED BY: McDonald's Corporation</p> <p>PREPARED FOR: McDonald's USA, LLC</p> <p>PROJECT: PROPOSED McDONALD'S RESTAURANT BUILDING 45-84</p> <p>CONSTRUCTION DETAILS</p> <p>DATE ISSUED: 05/14/2025</p> <p>SITE ADDRESS: BLOCK 98 LOT 407, 741 WALSH ROUTE 73 SOUTH, TOWNSHIP OF Evesham, BERLINGTON COUNTY, NEW JERSEY</p>	<p>DATE: 05/14/2025</p> <p>REV:</p> <p>DATE:</p> <p>DESCRIPTION:</p>	<p>DATE:</p> <p>DESCRIPTION:</p>	<p>DATE:</p> <p>DESCRIPTION:</p>
<p>JOSEPH C. SPARONE</p> <p>PROFESSIONAL ENGINEER NEW JERSEY LICENSE No. 47204</p>	<p>TIAGO F. DUARTE</p> <p>PROFESSIONAL ENGINEER NEW JERSEY LICENSE No. 52588</p>	<p>0114-23-01590</p> <p><b>C-17</b></p> <p>SHEET 17 OF 21</p>		



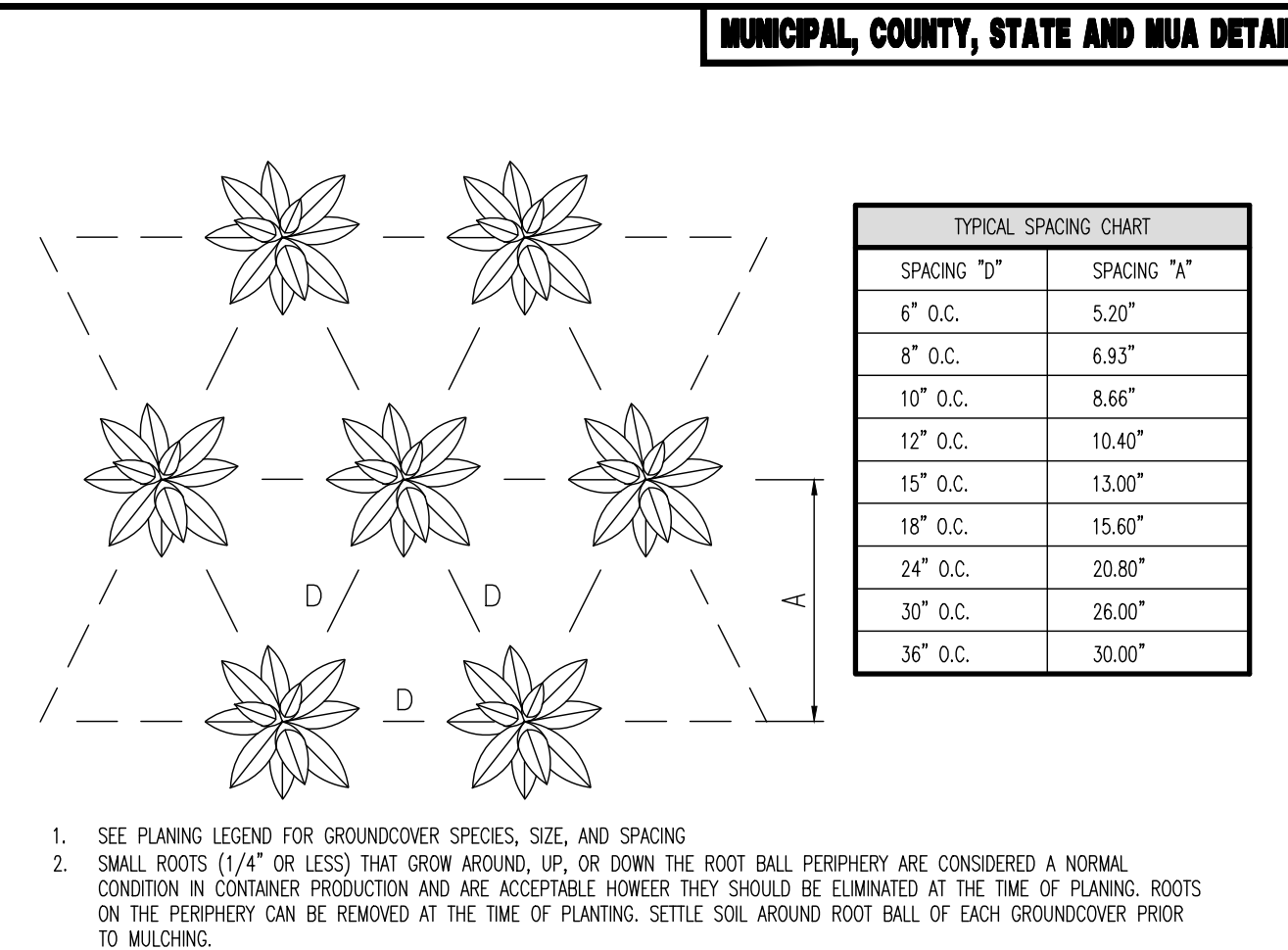
**TYPICAL FIRE HYDRANT & VALVE INSTALLATION**  
NOT TO SCALE



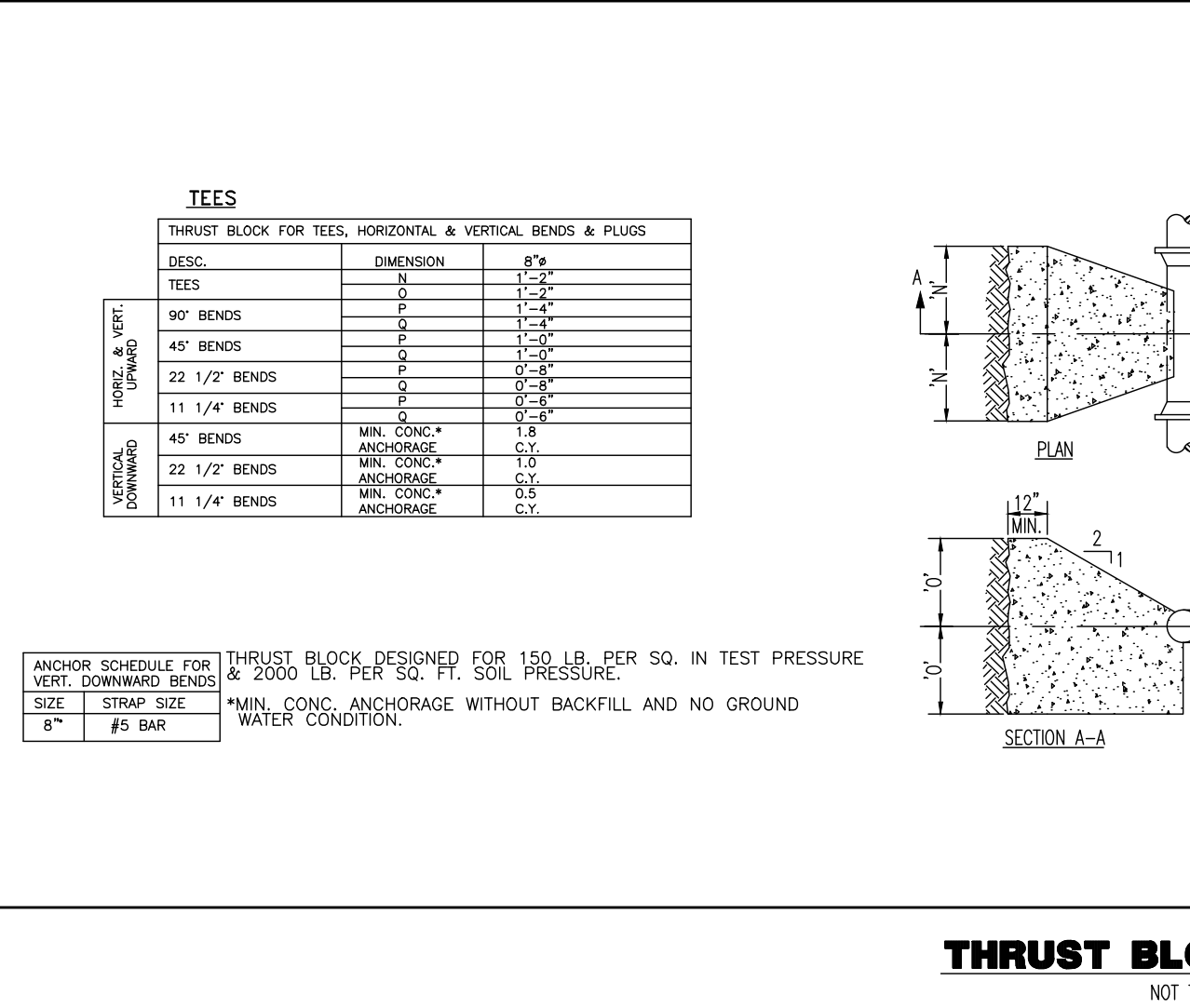
**WATER SERVICE CONNECTION**  
NOT TO SCALE



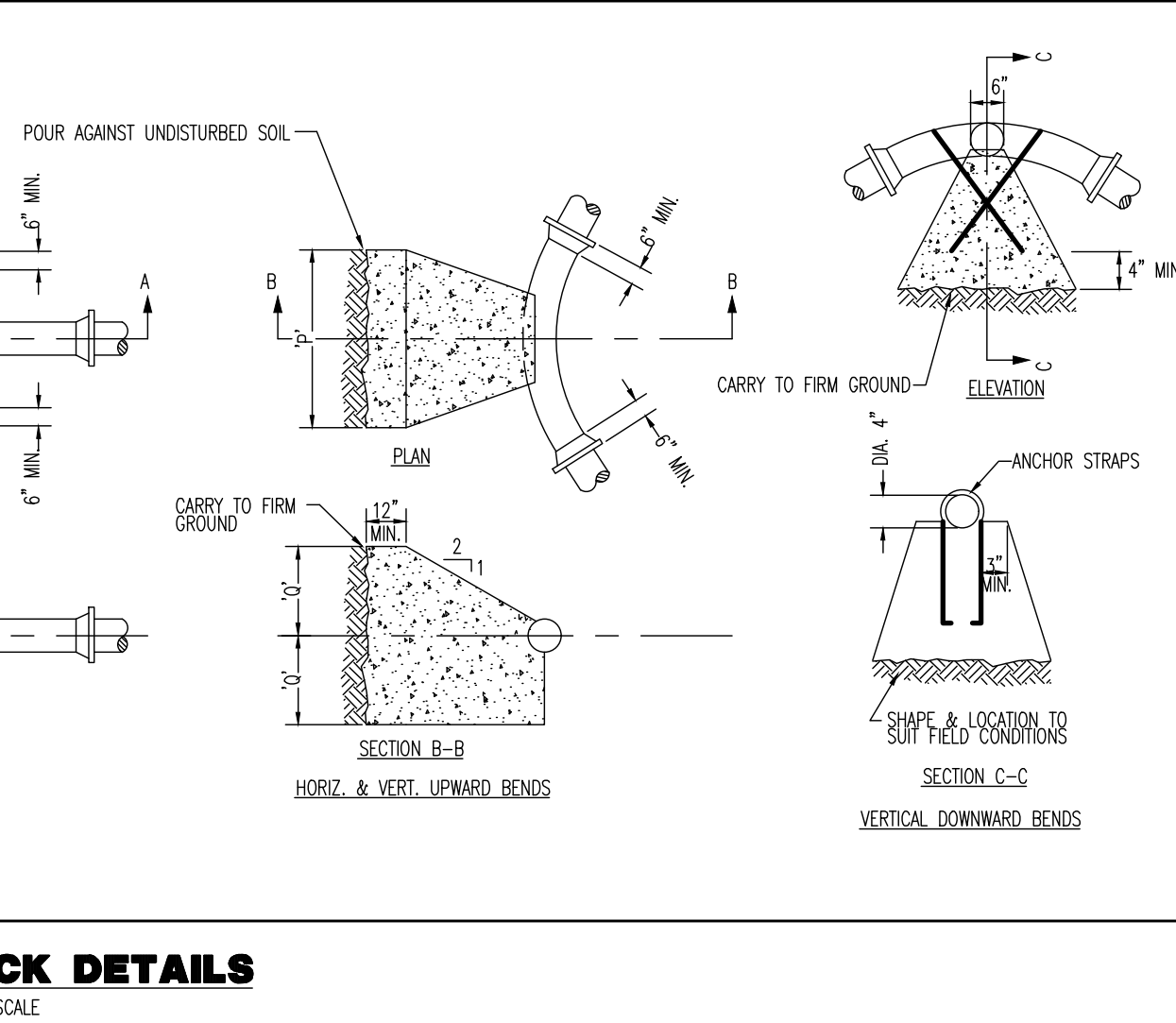
**PERENNIAL/GROUND COVER SPACING AND PLANTING DETAIL**  
NOT TO SCALE



**PERENNIAL/GROUND COVER SPACING AND PLANTING DETAIL**  
NOT TO SCALE



**THRUST BLOCK DETAILS**  
NOT TO SCALE



**PLANTING NOTES**

1. PLANT MATERIAL SHALL BE FURNISHED AND INSTALLED AS INDICATED, INCLUDING ALL LABOR, MATERIALS, PLANTS, EQUIPMENT, INCIDENTALS, AND CLEAN-UP.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PLANTING AT CORRECT GRADES AND ALIGNMENT. LAYOUT TO BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
3. PLANTS SHALL BE TYPICAL OF THEIR SPECIES AND VARIETY, HAVE NORMAL GROWTH HABITS, WELL DEVELOPED BRANCHES, DENSELY FOULATED, VIGOROUS ROOT SYSTEMS AND BE FREE FROM DEFECTS AND INJURIES.
4. CONTRACTOR SHALL REPORT ANY SOIL OR BRANCHES CONSIDERED DETRIMENTAL TO THE GROWTH OF PLANT MATERIAL.
5. ALL PLANT MATERIAL SHALL BE GUARANTEED BY THE CONTRACTOR TO BE IN VIGOROUS GROWING CONDITION. PROVISION SHALL BE MADE FOR A GROWTH GUARANTEE OF AT LEAST TWO (2) YEARS FROM THE DATE OF ACCEPTANCE FOR TREES AND SHRUBS. REPLACEMENTS SHALL BE MADE AT THE BEGINNING OF THE FIRST SUCCEEDING PLANTING SEASON. ALL REPLACEMENTS SHALL HAVE A GUARANTEE EQUAL TO THAT STATED ABOVE.
6. INSURANCE AS IT IS PRACTICABLE, PLANT MATERIAL SHALL BE PLANTED ON THE DAY OF DELIVERY IN THE EVENT THIS IS NOT POSSIBLE, THE CONTRACTOR SHALL PROTECT SUCH NOT PLANTED PLANTS SHALL NOT REMAIN UNPLANTED FOR LONGER THAN A THREE DAY PERIOD AFTER DELIVERY. ANY PLANTS NOT INSTALLED DURING THIS PERIOD WILL BE REJECTED.
7. QUALITY AND SIZE OF PLANTS, SPREAD OF ROOTS, AND SIZE OF BALLS SHALL BE IN ACCORDANCE WITH ANSI Z601 (REV. 2001) "AMERICAN STANDARD FOR NURSERY STOCK" AS PUBLISHED BY THE AMERICAN NURSERY & LANDSCAPE ASSOCIATION.
8. ALL PLANTS SHALL BE PLANTED IN AMENDED TOPSOIL THAT IS THOROUGHLY MIXED AND TAMPED AS BACK FILLING PROCESSES. PLANTING MIX TO BE AS SHOWN ON PLANTING DETAILS. LARGE PLANTING AREAS TO INCORPORATE FERTILIZER AND SOIL CONDITIONERS AS STATED IN PLANTING SPECIFICATIONS.
9. PLANTS SHALL NOT BE BOUND WITH WIRE OR ROPE AT ANY TIME SO AS TO DAMAGE THE BARK OR BREAK BRANCHES. PLANTS SHALL BE HANDLED FROM THE BOTTOM OF THE BALL ONLY.
10. PLANTING OPERATIONS SHALL BE PERFORMED DURING PERIODS WITHIN THE PLANTING SEASON WHEN WEATHER AND SOIL CONDITIONS ARE SUITABLE AND IN ACCORDANCE WITH ACCEPTED LOCAL PRACTICE. PLANTS SHALL NOT BE INSTALLED IN TOPSOIL THAT IS IN A MUDDY OR FROZEN CONDITION. ALL PLANT MATERIAL SHALL BE SPRAWLED WITH MULCH OR EQUAL AS PER MANUFACTURER'S INSTRUCTIONS.
11. NO PLANT EXCEPT GROUND COVER SHALL BE PLANTED LESS THAN TWO FEET FROM EXISTING STRUCTURES AND SIDEWALKS.
12. SET ALL PLANTS PLUMB AND STRAIGHT, SET AT SUCH LEVEL THAT A NORMAL OR NATURAL RELATIONSHIP TO THE CROWN OF THE PLANT WITH THE GROUND SURFACE WILL BE ESTABLISHED. LOCATE PLANT IN THE CENTER OF THE PIT.
13. ALL INJURED ROOTS SHALL BE PRUNED TO MAKE CLEAN ENDS BEFORE PLANTING UTILIZING CLEAN, SHARP TOOLS. IT IS ADVISABLE TO PRUNE APPROXIMATELY 1/3 OF THE GROWTH OF LARGE TREES (2" CALIPER AND OVER) BY THE REMOVAL OF SUPERFLUOUS BRANCHES, THOSE WHICH CROSS, THOSE WHICH RUN PARALLEL, ETC. MAIN LEADER OF TREES WILL NOT BE CUT BACK. LONG SIDE BRANCHES, HOWEVER, MUST BE SHARPENED.
14. EACH TREE AND SHRUB SHALL BE PRUNED IN ACCORDANCE WITH STANDARD HORTICULTURAL PRACTICE TO PRESERVE NATURAL CHARACTER OF PLANT. PRUNING SHALL BE DONE WITH CLEAN, SHARP TOOLS.
15. ALL EXISTING TREES TO REMAIN SHALL BE PRUNED TO REMOVE ANY DAMAGED BRANCHES AS A RESULT OF CONSTRUCTION OPERATIONS. ALL EXISTING TREES SHALL BE FERTILIZED WITH A REGULAR GARDEN FERTILIZER (5-10-5) UPON COMPLETION OF WORK. THE ENTIRE LIMB OF ANY DAMAGED BRANCH SHALL BE CUT OFF AT THE TRUNK, CONTAINING OR ENSURE THAT BRANCHES ARE SMOOTH AND STRAIGHT. ANY EXPOSED ROOTS SHALL BE CUT BACK WITH SHARP TOOLS AND FILLED AROUND WITH TOPSOIL. COMPLETELY SATURATE THESE AREAS WITH WATER. ROOTS SHALL NOT BE LEFT EXPOSED FOR MORE THAN ONE (1) DAY. CONTRACTOR IS TO PROTECT ALL EXISTING TREES TO REMAIN BY ERECTING TREE PROTECTION FENCE AT THE TRUNK LINE. THIS SHALL ENSURE NO COMPACTION OF THE ROOT MASS.
16. ALL PLANTING BEETS SHALL BE MULCHED WITH 4" LAYER OF DOUBLE SHREDDED HARDWOOD BARK MULCH.
17. NEW PLANTING AREAS AND SOIL SHALL BE ACCURATELY GRADDED OR WATERED TO ESTABLISH THE PROPOSED PLANTS AND LAWN.
18. PRIOR TO THE ISSUANCE OF ANY CERTIFICATE OF OCCUPANCY, THE PROPOSED LANDSCAPE AS SHOWN ON THE APPROVED LANDSCAPE PLAN MUST BE INSTALLED, INSPECTED AND APPROVED BY THE MUNICIPAL ENGINEER AND LANDSCAPE ARCHITECT. THE MUNICIPAL ENGINEER AND LANDSCAPE ARCHITECT SHALL TAKE ACCOUNT SEASONAL CONSIDERATIONS IN THE REGARD OF PLANTING TREES, SHRUBS, VINES OR GROUND COVER AS REQUIRED BY OR ASSOCIATED WITH A SUBDIVISION OR SITE PLAN APPROVAL BY THE PLANNING BOARD OR ZONING BOARD OF ADJUSTMENT SHALL BE INSTALLED DURING THE FOLLOWING PLANTING SEASONS:

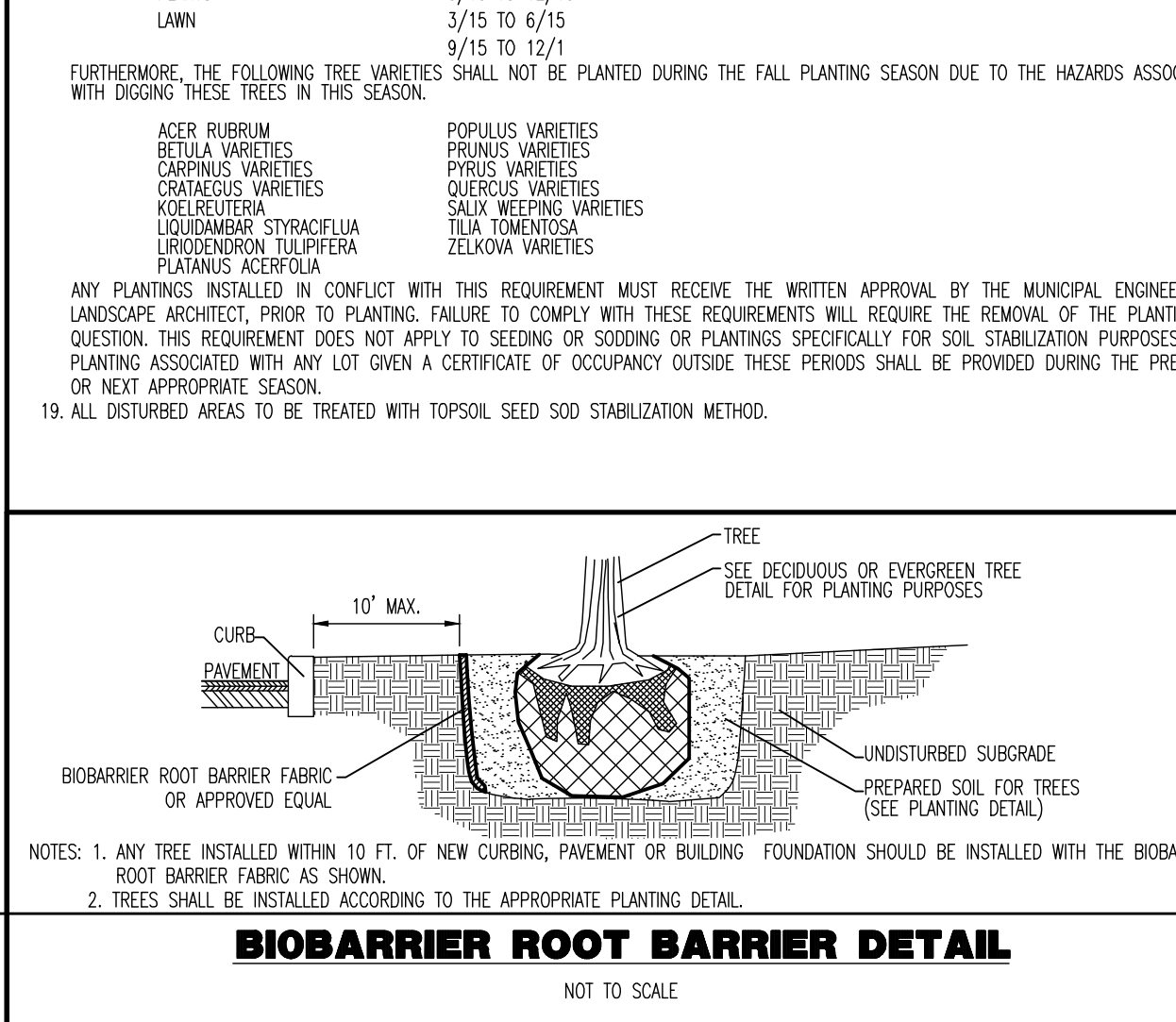
TYPE	DATES
PLANTS	3/15 TO 12/15
LAWN	3/15 TO 6/15
	9/15 TO 12/1

FURTHERMORE, THE FOLLOWING TREE VARIETIES SHALL NOT BE PLANTED DURING THE FALL PLANTING SEASON DUE TO THE HAZARDS ASSOCIATED WITH DIGGING THESE TREES IN THIS SEASON:

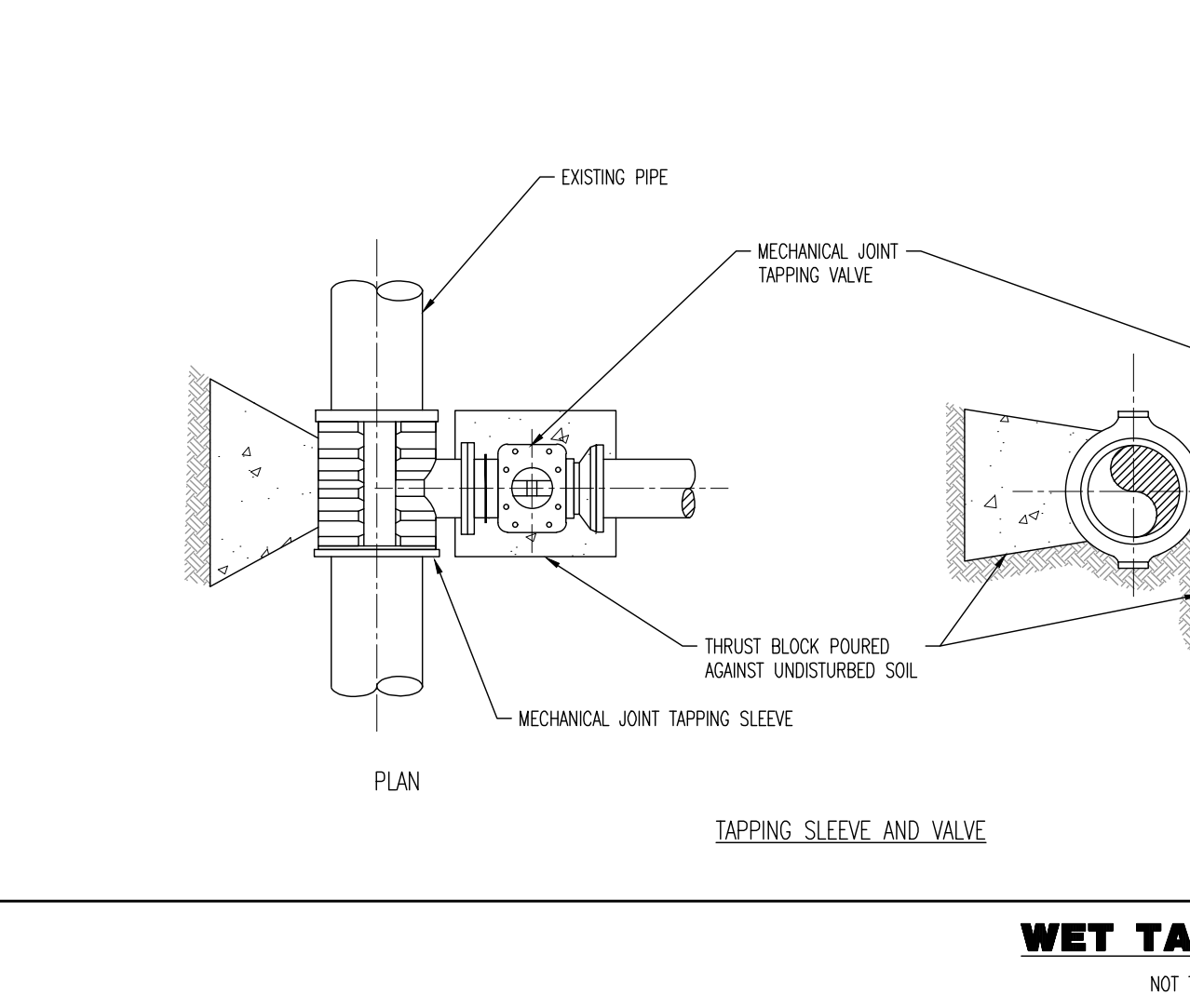
ACER FRIBRUM	POPULUS VARIETIES
BETULA VARIETIES	PRUNUS VARIETIES
CORNUS VARIETIES	QUERCUS VARIETIES
CRATAEGUS VARIETIES	QUERCUS VARIETIES
KOELTZIETTER	SAUX WEeping VARIETIES
LIQUIDAMBAR STYRACIFLUA	ULM VARIETIES
LIQUIDAMBAR STYRACIFLUA	ZELKOVA VARIETIES
PLATANUS ACERIFOLIA	

ANY PLANTINGS INSTALLED IN CONFLICT WITH THIS REQUIREMENT MUST RECEIVE THE WRITTEN APPROVAL BY THE MUNICIPAL ENGINEER OR LANDSCAPE ARCHITECT. PRIOR TO PLANTING, FAILURE TO COMPLY WITH THESE REQUIREMENTS WILL REQUIRE THE REMOVAL OF THE PLANTING IN QUESTION. THIS REQUIREMENT DOES NOT APPLY TO SEEDING OR SOODING OR PLANTINGS SPECIFICALLY FOR SOIL STABILIZATION PURPOSES. THE PLANTING ASSOCIATED WITH ANY LOT GIVEN A CERTIFICATE OF OCCUPANCY OUTSIDE THESE PERIODS SHALL BE PROVIDED DURING THE PREVIOUS OR NEXT APPROPRIATE SEASON.

19. ALL DISTURBED AREAS TO BE TREATED WITH TOPSOIL SEED SOIL STABILIZATION METHOD.



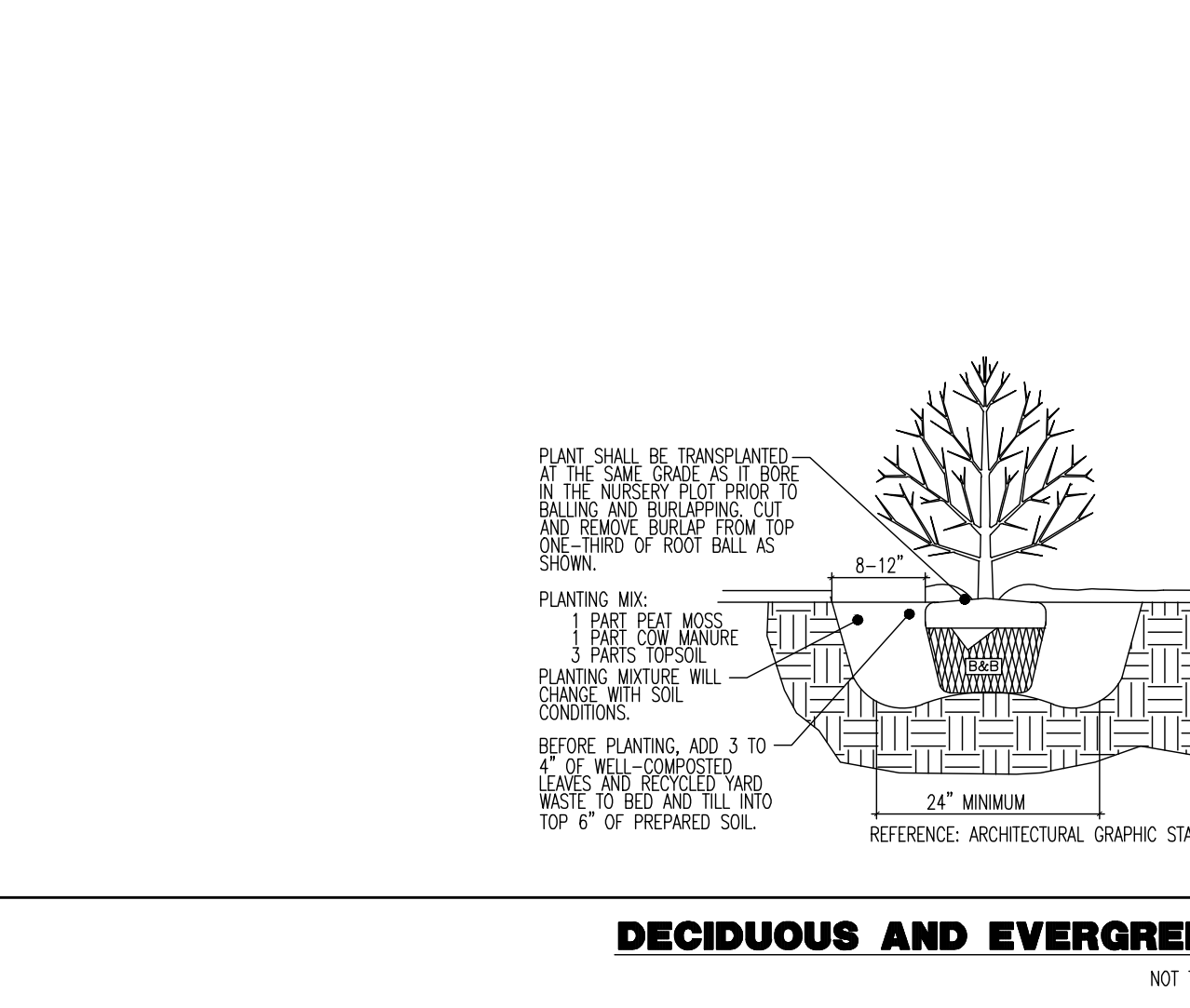
**BIOBARRIER ROOT BARRIER DETAIL**  
NOT TO SCALE



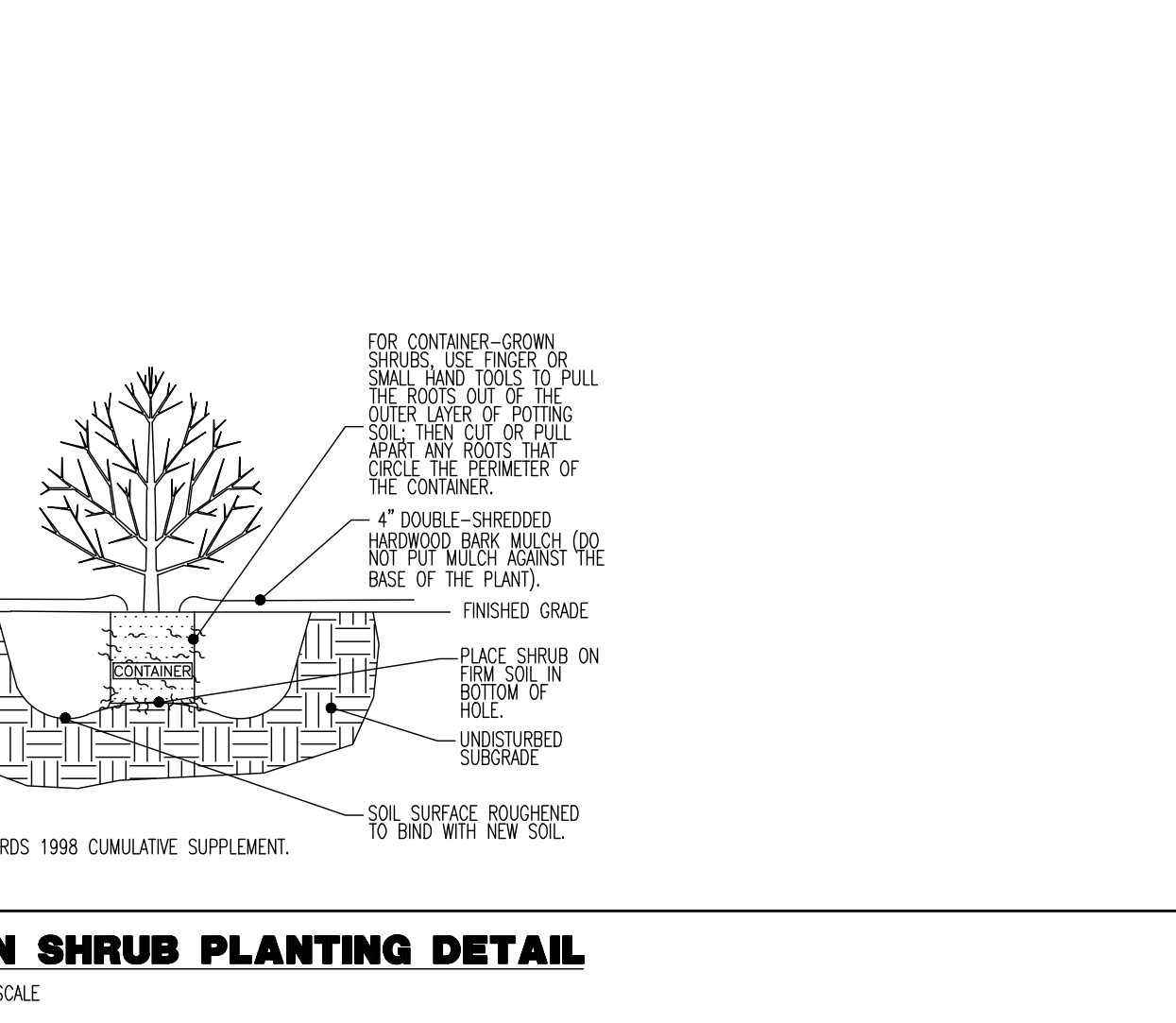
**WET TAP DETAIL**  
NOT TO SCALE

**TAPPING NOTES:**

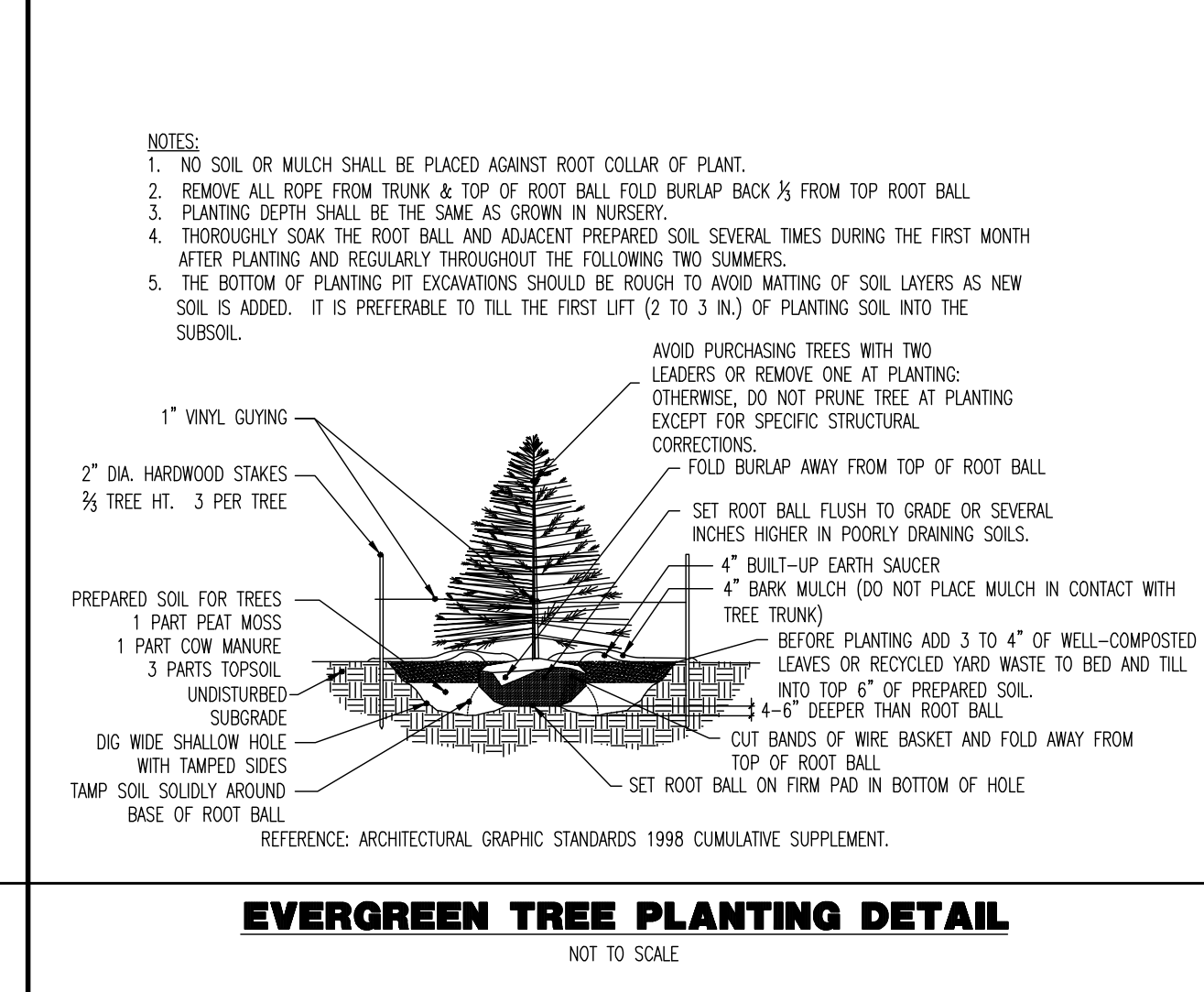
1. INSTALLATION OF TAPPING SLEEVE AND VALVE AND INSERTION VALVE SHALL BE CONDUCTED UNDER "WET" CONDITIONS. EXISTING MAINS SHALL BE LEFT IN SERVICE AT ALL TIMES DURING TAPPING OR INSERTION.
2. CONCRETE THRUST BLOCK UNDER VALVES SHALL HAVE A SOIL BEARING EQUAL TO THAT OF A 45° ELBOW.



**DECIDUOUS AND EVERGREEN SHRUB PLANTING DETAIL**  
NOT TO SCALE



**DECIDUOUS TREE PLANTING DETAIL**  
NOT TO SCALE



**EVERGREEN TREE PLANTING DETAIL**  
NOT TO SCALE

**McDonald's USA, LLC**  
LAND DEVELOPMENT CONSULTING • FERTILIZING • GEOTECHNICAL • ENVIRONMENTAL • SURVEY • PLANNING & ZONING

50 Park Place, Suite 801  
Newark, NJ 07102  
www.dynaninc.com

PREPARED BY: **DYNAMIC ENGINEERING**

FOR: **McDonald's USA, LLC**

PROJECT: **PROPOSED McDONALD'S RESTAURANT BUILDING 45-84**

DATE ISSUED: 05/14/2025

CONSTRUCTION DETAILS

SITE ADDRESS: **BOX 98 LOT 401, H.I. ROUTE 73 SOUTH, TOWNSHIP OF Evesham, BURLINGTON COUNTY, NEW JERSEY**

29-1564

0114-23-01590

**C-18**

SHEET 18 OF 21

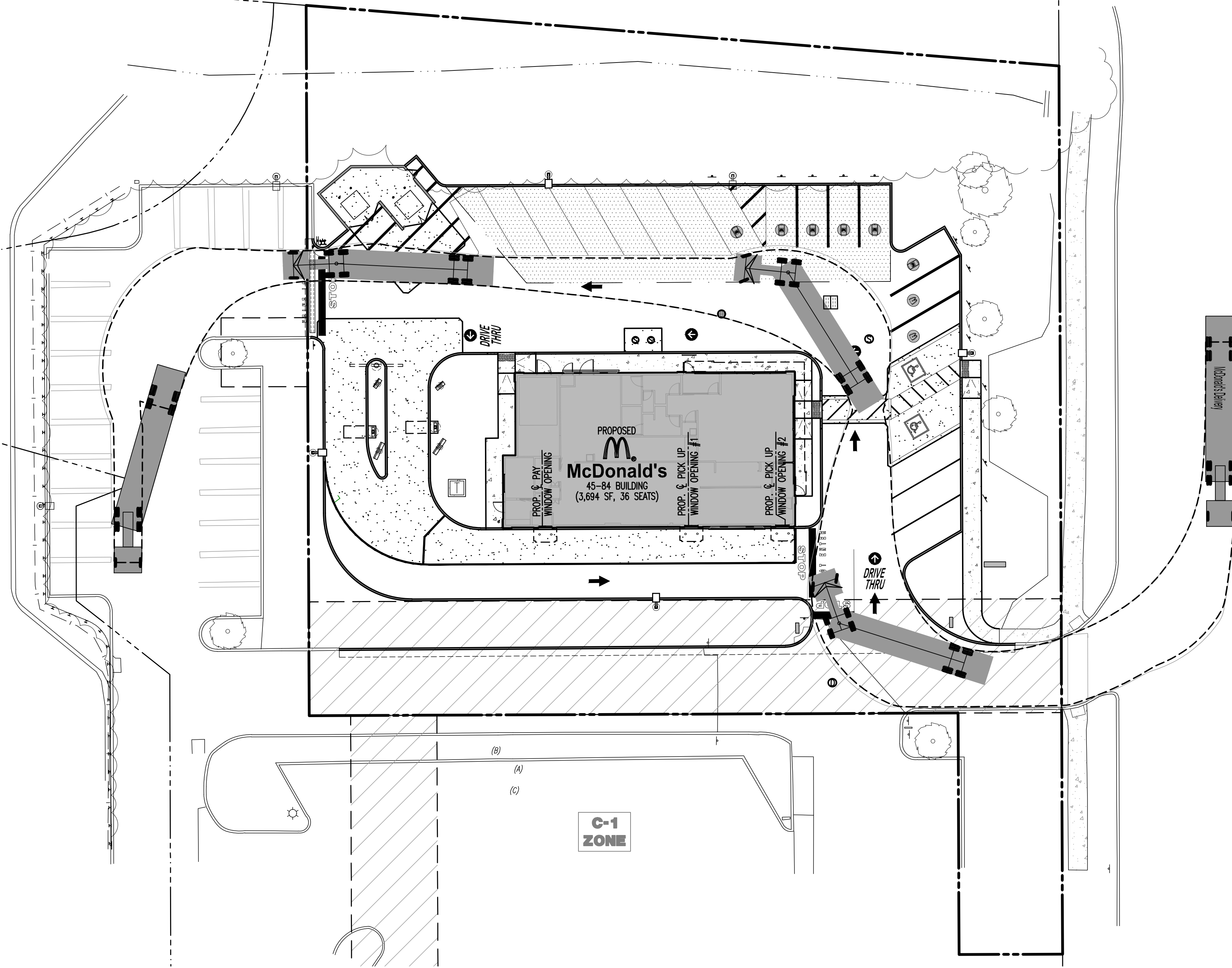
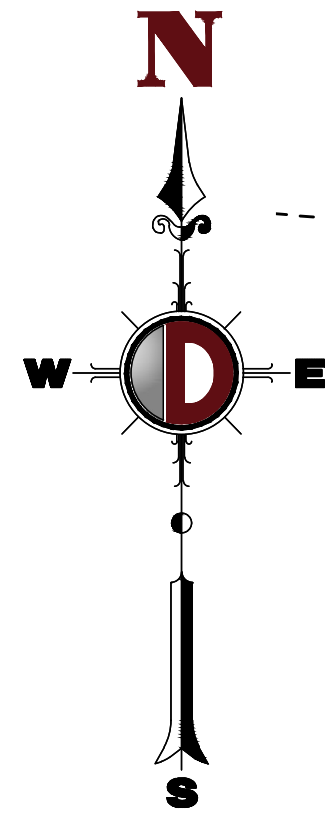
JOSEPH C. SPARONE  
PROFESSIONAL ENGINEER  
NEW JERSEY LICENSE No. 47204

TIAGO F. DUARTE  
PROFESSIONAL ENGINEER  
NEW JERSEY LICENSE No. 52588

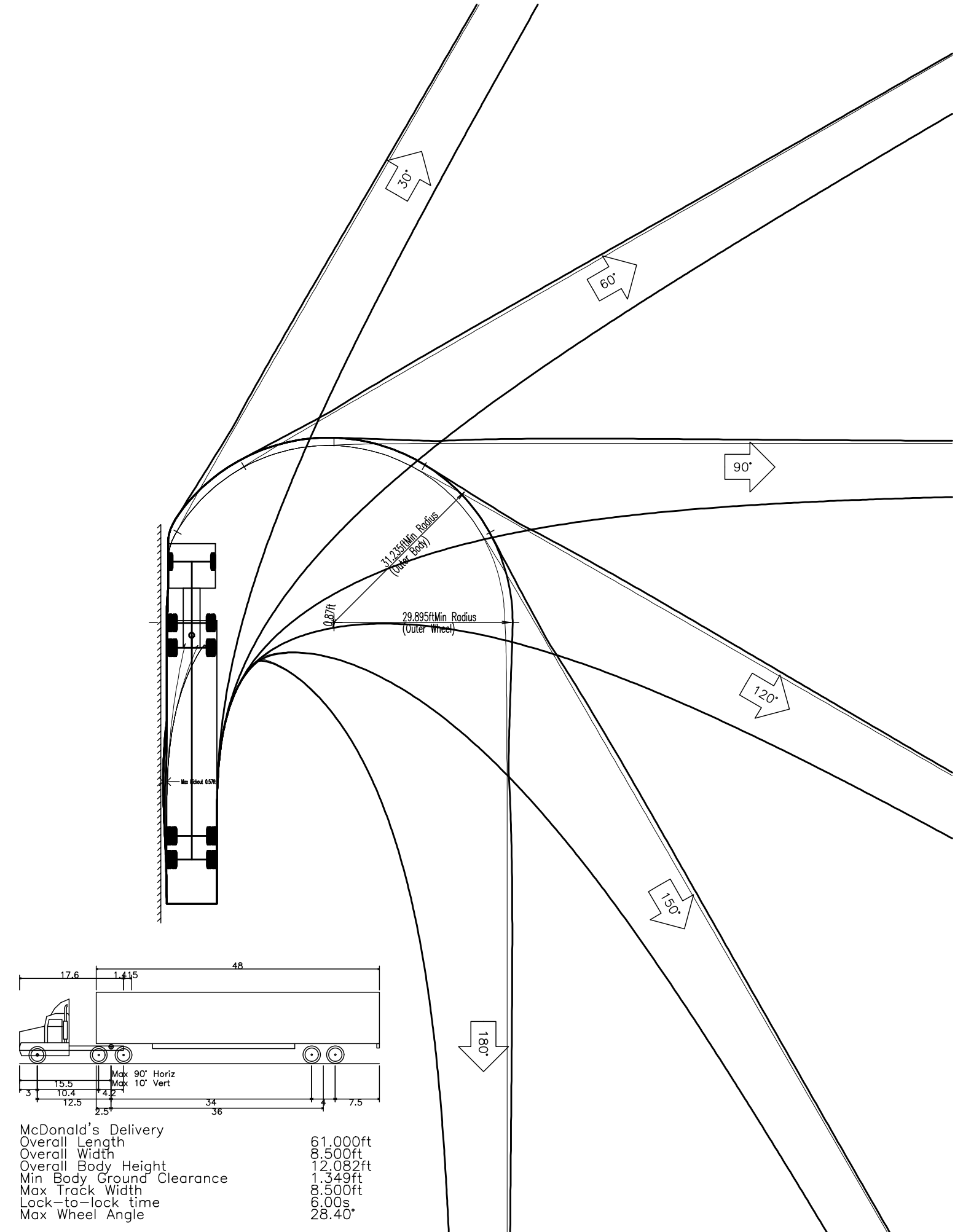
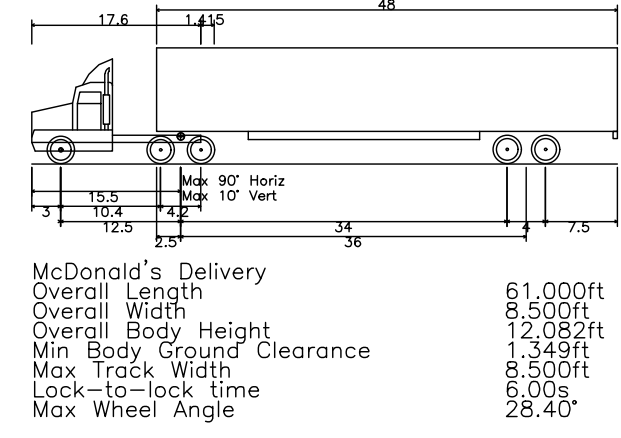
**PROTECT YOURSELF**  
 ALL STATES REQUIRE NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON  
 BEFORE ANY WORK BEGINS TO SECURE THE EXISTING SURFACE ANYWHERE IN ANY STATE.

**811**  
 Know what's below  
 Call before you dig.

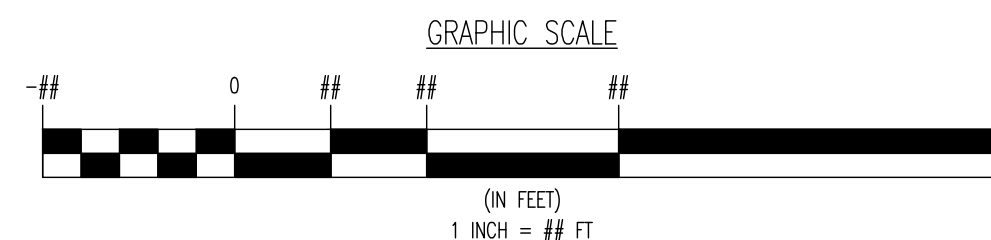
FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT:  
 WWW.CALL811.COM



**NEW JERSEY STATE HIGHWAY ROUTE NO. 73**  
 (26' ROW WIDTH PER TAX MAP)  
 (APPLICABLE PERMITS AND FEES ARE SHOWN IN LIGHT BLUE)



**THIS PLAN TO BE UTILIZED FOR VEHICLE CIRCULATION PURPOSES ONLY**



<b>JOSEPH C. SPARONE</b> PROFESSIONAL ENGINEER NEW JERSEY LICENSE No. 47204	<b>TIAGO F. DUARTE</b> PROFESSIONAL ENGINEER NEW JERSEY LICENSE No. 52588
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L/C#: 29-1564 L/C: TOWNSHIP OF EVESHAM, NJ		THIS PLAN SET IS FOR PERMITTING PURPOSES ONLY AND MAY NOT BE USED FOR CONSTRUCTION	
PREPARED FOR: <b>McDonald's USA, LLC</b> © 2024 McDonald's Corporation	PREPARED BY: DYNAMIC ENGINEERING LAND DEVELOPMENT CONSULTING • PERMITTING • GEOTECHNICAL • ENVIRONMENTAL • SURVEY • PLANNING & TOWING 1000 New York Avenue, Suite 200, Newark, NJ 07102 Newark, NJ 07102 www.dynamic.com	REVISIONS	
TITLE PROPOSED McDONALD'S RESTAURANT BUILDING 45-84	DRAWN BY DJS	DATE 05/14/2025	DESCRIPTION
DESCRIPTION VEHICLE CIRCULATION PLAN - DELIVERY	REVIEWED BY TFD	DATE ISSUED 05/14/2025	REV
SITE ADDRESS 29-1564 BOX 38 LOT 407, 741 MILSH ROUTE 73 SOUTH, TOWNSHIP OF EVESHAM, BURLINGTON COUNTY, NEW JERSEY	SHEET 19 OF 21		DATE



