Administrative Site Review Application

Office Use Only: Case #:



Planning and Development Customer Service Center • One Exchange Plaza, Suite 400 | Raleigh, NC 27601 | 919-996-2500

This form is required when submitting site plans as referenced in Unified Development Ordinance (UDO) Section 10.2.8. Please check the appropriate building types and include the plan checklist document when submitting.

Planner (print):

-		* *			
Please review UDO Section 10.2.8. to determine the site plan tier. If assistance determining a Site Plan Tier is needed a Site Plan Tier Verification request can be submitted online via the Permit and Development Portal. (Note: There is a fee for this verification service.)					
Site Plan Tier: Tier Tw	o Site Plan Tier Thr	ree Site Plan			
Building and Development Type Site Transaction History (Check all that apply)					
Detached Attached Townhouse Apartment Tiny house Open lot	General Mixed use Civic Cottage Court Frequent Transit Development Option	Subdivision case #: Scoping/sketch plan case #: Certificate of Appropriateness #: Board of Adjustment #: Zoning Case #: Design Alternate #:			
GENERAL INFORMATION Development name:					
Inside City limits? Ye Property address(es):	es No				
Site P.I.N.(s): Please describe the scop	e of work. Include any additions	s, expansions, and uses (UDO 6.1.4).			
Current Property Owner	r(s):				
Company: Title:					
Address:					
Phone #: Email:					
Applicant Name (If diffe	rent from owner. See "who ca	an apply" in instructions):			
Relationship to owner: Lessee or contract purchaser Owner's authorized agent Easement holder					
Company: Address:					

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Phone #:	Email:			
NOTE: please attach purchase agreement or contract, lease or easement when submitting this form.				
Developer Contact:				
Company:	Title:			
Address:				
Phone #: (404) 913-9131	Email:			
Applicant Name:				
Company:	Address:			
Phone #:	Email:			

DEVELOPMENT TYPE + SITE DATE TABLE (Applicable to all developments)		
SITE DATA	BUILDING DATA	
Zoning district(s) (please provide the acreage of each):	Existing gross floor area (not to be demolished):	
Gross site acreage:	Existing gross floor area to be demolished:	
# of parking spaces proposed:	New gross floor area:	
Max # parking permitted (7.1.2.C):	Total sf gross (to remain and new):	
Overlay District (if applicable):	Proposed # of buildings:	
Existing use (UDO 6.1.4):	Proposed # of stories for each:	
Proposed use (UDO 6.1.4):	Proposed # of basement levels (UDO 1.5.7.A.6)	

STORMWATER	INFORMATION
Imperious Area on Parcel(s):	Impervious Area for Compliance (includes ROW):
Existing (sf) Proposed total (sf)	Existing (sf) Proposed total (sf)

RESIDENTIAL & OVERNIGHT			LODGING DEVELOPI	MENTS			
Total # of dwelling units:			Total # of hotel bedro	oms:			
# of bedroom units: 1br	2br	3br	4br or more	N/A			
# of lots:			Is your project a cotta	ige court?	Yes	No	N/A
			A frequent transit dev	elopment?	Yes	No	N/A

Continue to Applicant Signature Block on Page Three.

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APPLICANT SIGNATURE BLOCK

Pursuant to state law (N.C. Gen. Stat. § 160D-403(a)), applications for development approvals may be made by the landowner, a lessee or person holding an option or contract to purchase or lease land, or an authorized agent of the landowner. An easement holder may also apply for development approval for such development as is authorized by the easement.

By submitting this application, the undersigned applicant acknowledges that they are either the property owner or one of the persons authorized by state law (N.C.G.S. 160D-403(a)) to make this application, as specified in the application. The undersigned also acknowledges that the information and statements made in the application are correct and the undersigned understands that developments approvals are subject to revocation for false statements or misrepresentations made in securing the development approval, pursuant to N.C. Gen. Stat. § 160D-403(f).

The undersigned indicates that the property owner(s) is aware of this application and that the proposed project described in this application will be maintained in all respects in accordance with the plans and specifications submitted herewith, and in accordance with the provisions and regulations of the City of Raleigh Unified Development Ordinance.

The undersigned hereby acknowledges that, pursuant to state law (N.C.G.S. 143-755(b1), if this permit application is placed on hold at the request of the applicant for a period of six consecutive months or more, or if the applicant fails to respond to comments or provide additional information requested by the City for a period of six consecutive months or more, then the application review is discontinued and a new application is required to proceed and the development regulations in effect at the time permit processing is resumed shall apply to the new application.

Signature:	Date:
Printed Name:	

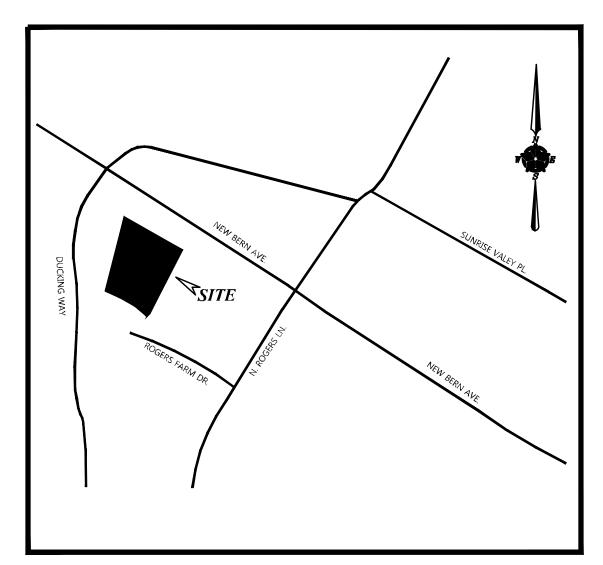
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SITE DEVELOPMENT PLANS FOR

TAKE FIVE EXPRESS CAR WASH

5150 NEW BERN AVE. RALEIGH, NC 27610

ZONING - PD



LOCATION MAP

OWNER/DEVELOPER:

DRIVEN BRANDS, INC.

CONTACT: ELANA FACHIN
440 SOUTH CHURCH ST. SUITE 600
CHARLOTTE, NC 28202
(520) 812-9003

ENGINEER:

JM CIVIL ENGINEERING

CONTACT: JOHN MEASELS, PE (ENGINEER)
1101 CENTRAL EXPRESSWAY S., SUITE 215
ALLEN, TEXAS 75013
JMEASELS@JMCIVILENG.COM
(214) 491-1830

SURVEYOR:

SITE DESIGN, INC.

CONTACT: GCOBB@SITEDESIGN-INC.COM 225 ROCKY CREEK ROAD GREENVILLE, SOUTH CAROLINA 29615 (864) 271-0496

UTILITY CONTACTS

ELECTRIC
DUKE ENERGY
MARIA
411 FAYATTEVILLE ST.
RALEIGH, NC 27601
TEL: (800) 636-0581

GAS

DOMINION ENERGY

MATT KOEHL

3516 SPRING FOREST RD

RALEIGH, NC 27616

TEL: (919) 501-7668

PHONE SPECTRUM BUSINESS KAYLEE BARLETT TEL: (315) 481–0297 FIRE DEPARTMENT
CITY OF RALEIGH
HERBERT GRIFFIN
310 WEST MARTIN ST. SUITE 200
RALEIGH, NC 27602
TEL: (919) 996-5954

WATER/SEWER
PUBLIC ÚTILITIES DEPARTMENT
BRIAN CASEY
ONE EXCHANGE PLAZA SUITE 620
RALEIGH, NC 27601
TEL: (919) 996-2207

CABLE



1101 Central Expressway South

Allen, TX 75013

Ph. 214-491-1830

John Measels, PE

CIVIL ENGINEER

TAKE FIVE CAR WASH 5150 NEW BERN AVE.

NO:	REV	REV DATE	DESCRIPTION	NAI
3004		07/24/23	INITIAL SUBMITTAL	MC
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TE:				
1/2023				

C 001

CAUTION NOTICE TO CONTRACTOR

SHEET INDEX

C 001

C 100

C 200

C 300

C 310

C 320

C 400

C 410

C 520

C 600

C 610

C 700

C 710

C 720

C 730

COVER SHEET

PAVING PLAN

GRADING PLAN

GRADING PLAN

GRADING PLAN

UTILITY PLAN

UTILITY PLAN

ADS DETAILS

CITY DETAILS

DETAILS

DETAILS

STORM DRAIN PLAN

SOIL EROSION AND SEDIMENT CONTROL PLAN

SOIL AND EROSION CONTROL DETAILS

PLAT 1

PLAT 2

SITE PLAN

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 7 DAYS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES HORIZONTALLY AND VERTICALLY WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.

BENCHMARKS

TBM; N=744,455.4397' E=2,133,279.8521; MAG NAIL FOUND ELEV.=249.66 (NAD83/NAVD88)

TBM; N=744,070.0571' E=2,133,322.3900; MAG NAIL FOUND ELEV.=229.70 (NAD83/NAVD88)

TBM; N=743,993.8481' E=2,133,552.3210; MAG NAIL FOUND ELEV.=241.02 (NAD83/NAVD88)

TBM; N=744,128.0792' E=2,133,806.6069; MAG NAIL FOUND ELEV.=256.69 (NAD83/NAVD88)

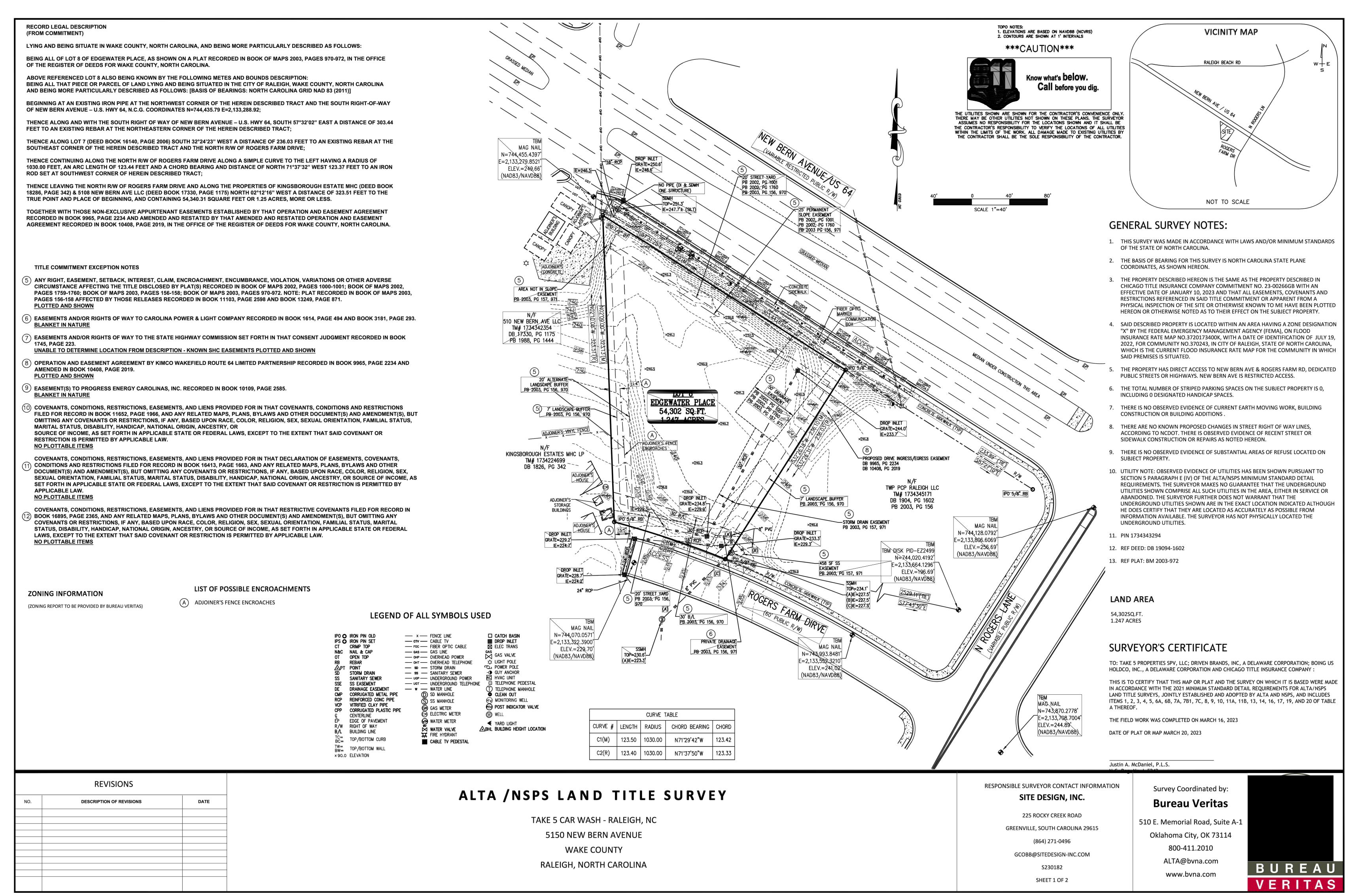
FLOODNOTE

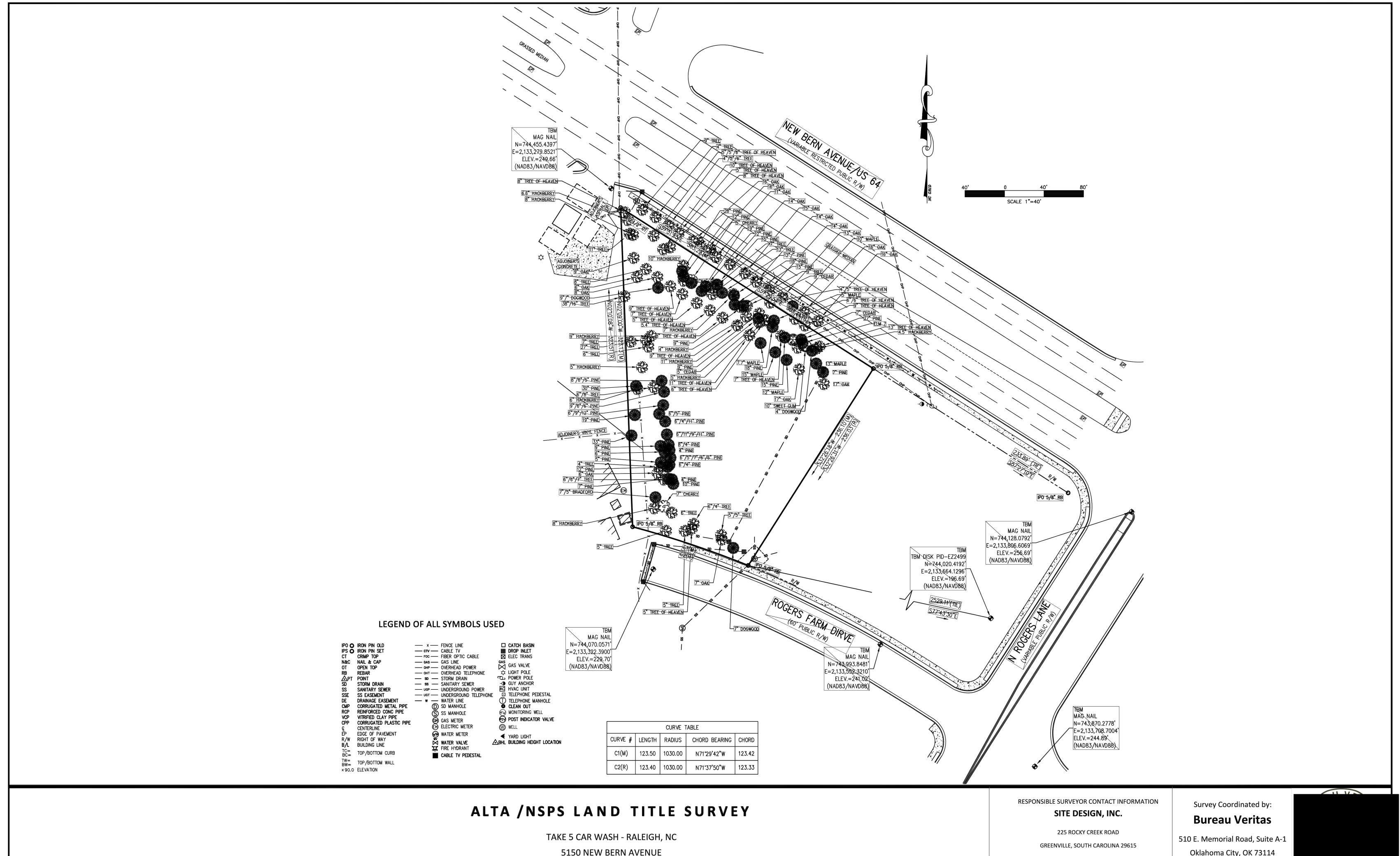
ACCORDING TO THE F.I.R.M. NO. 3720173400K, THE SUBJECT PROPERTY LIES IN ZONE X AND DOES NOT LIE WITHIN A FLOOD PRONE HAZARD AREA, PER MAP REVISION DATED JULY 19, 2022.

Know what's **below**.

Call before you dig.

INITIAL SUBMITTAL DATE: 07/24/2023





5150 NEW BERN AVENUE **WAKE COUNTY** RALEIGH, NORTH CAROLINA

(864) 271-0496 GCOBB@SITEDESIGN-INC.COM S230182

SHEET 2 OF 2

Oklahoma City, OK 73114 800-411.2010 ALTA@bvna.com

www.bvna.com



GENERAL SITE NOTES:

- 1. PRIOR TO STARTING CONSTRUCTION, THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY THAT ALL NECESSARY PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION SHALL BEGIN UNTIL ALL PERMITS HAVE BEEN RECEIVED.
- 2. SITE BOUNDARY, TOPOGRAPHY, UTILITY AND ROAD INFORMATION WAS TAKEN FROM A SURVEY BY COMPANY NAME, STREET ADDRESS, CITY, STATE ZIPCODE. CONTACT: PERSON OR EMAIL (XXX) XXX—XXXX.
- 3. IF THE CONTRACTOR, IN THE COURSE OF THE WORK, FINDS ANY DISCREPANCIES BETWEEN THE PLANS AND THE PHYSICAL CONDITIONS OF THE LOCALITY, OR ANY ERRORS OR OMISSIONS IN THE PLANS OR IN THE LAYOUT AS GIVEN BY THE ENGINEER, IT SHALL BE HIS DUTY TO IMMEDIATELY INFORM THE ENGINEER, IN WRITING, AND THE ENGINEER WILL PROMPTLY VERIFY THE SAME. ANY WORK DONE AFTER SUCH A DISCOVERY, UNTIL AUTHORIZED, WILL BE AT THE CONTRACTOR'S RISK.
- 4. CONTRACTOR SHALL REFER TO THE ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF VESTIBULES, SLOPE PAVING, SIDEWALKS, EXIT PORCHES, TRUCK DOCKS, PRECISE BUILDING DIMENSIONS AND EXACT BUILDING UTILITY ENTRANCE LOCATIONS.
- 5. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL SETBACKS, EASEMENTS, AND DIMENSIONS SHOWN HEREON BEFORE BEGINNING CONSTRUCTION.
- 6. ALL CONSTRUCTION MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE TO THE STATE AND LOCAL GOVERNMENT AGENCY LATEST CONSTRUCTION SPECIFICATIONS AND DETAILS.
- 7. ALL ACCESSIBLE SITE FEATURES SHALL BE CONSTRUCTED TO MEET ALL FEDERAL, STATE AND LOCAL CODE.
- 8. NOTIFY THE CITY INSPECTOR TWENTY—FOUR (24) HOURS BEFORE BEGINNING EACH PHASE OF CONSTRUCTION.
- 9. THE CONTRACTOR SHALL CAREFULLY PRESERVE BENCHMARKS, REFERENCE POINTS, AND STAKES.
- 10. ARCHITECTURAL PLANS ARE TO BE USED FOR BUILDING STAKE OUT.
- 11. ALL DIMENSIONS ARE FROM FACE OF BUILDING, CURB, AND WALL UNLESS OTHERWISE SPECIFIED ON PLANS.
- 12. CONTRACTOR SHALL MAINTAIN THE SITE IN A MANNER SO THAT WORKMEN AND PUBLIC SHALL BE PROTECTED FROM INJURY, AND ADJOINING PROPERTY PROTECTED FROM DAMAGE.
- 13. CONTRACTOR IS RESPONSIBLE FOR DAMAGE TO ANY EXISTING ITEM AND/OR MATERIAL INSIDE OR OUTSIDE CONTRACT LIMITS DUE TO CONSTRUCTION OPERATION.
- 14. ALL STREET SURFACES, DRIVEWAYS, CULVERTS, CURB AND GUTTERS, ROADSIDE DRAINAGE DITCHES AND OTHER STRUCTURES THAT ARE DISTURBED OR DAMAGED IN ANY MANNER AS A RESULT OF CONSTRUCTION SHALL BE REPLACED OR REPAIRED IN ACCORDANCE WITH THE SPECIFICATIONS.
- 15. FOR WORK IN, OR ADJACENT TO, HIGHWAY RIGHT OF WAYS, CONTRACTOR SHALL ENSURE APPROPRIATE PERMITS ARE OBTAINED PRIOR TO CONSTRUCTION. CONTRACTOR TO ERECT AND MAINTAIN TRAFFIC CONTROL SIGNS AND DEVICES IN CONFORMANCE WITH THE STATE MANUAL OF TRAFFIC CONTROL DEVICES, LATEST EDITION, ALONG WITH THE REQUIREMENTS OF THE LOCAL D.O.T. AREA OFFICE.
- 16. ALL CURB RADII SHALL BE 3' OR 10' UNLESS OTHERWISE NOTED ON THE PLANS.
- 17. DIMENSIONS AND RADII ARE TO THE FACE OF CURB UNLESS OTHERWISE NOTED.

GENERAL UTILITY NOTES:

- 1. CONTRACTOR IS TO VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION AND ENSURE NO CONFLICTS EXIST WITH PROPOSED IMPROVEMENTS. NOTIFY ENGINEER IMMEDIATELY IF UTILITIES ARE LOCATED DIFFERENTLY THAN SHOWN. THE CONTRACTOR SHALL COORDINATE WITH EACH RESPECTIVE UTILITY COMPANY IN ORDER TO RELOCATE IF NEEDED IN CONFORMANCE WITH THEIR GUIDELINES.
- 2. CONTRACTOR SHALL NOTIFY AND COORDINATE WITH THE APPROPRIATE UTILITY COMPANY PRIOR TO THE REMOVAL OF INDICATED UTILITIES ON SITE (SEE DEMOLITION PLAN). CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY PERMITS REQUIRED FOR DEMOLITION AND HAUL OFF FROM THE APPROPRIATE AUTHORITIES.
- 3. AUTHORIZATION MUST BE OBTAINED FROM THE LOCAL JURISDICTION WATER SYSTEM TO CONSTRUCT, ALTER OR MODIFY A WATER OR SEWER LINE. CONSTRUCTION OF WATER AND SEWER INFRASTRUCTURE WILL BE AUTHORIZED BY THE WATER SYSTEM UPON:

 APPROVAL OF SUBMITTED PLANS.
 - NOTIFICATION OF THE WATER SYSTEM AT LEAST 24 HOURS PRIOR TO STARTING CONSTRUCTION.
- 4. AT THE COMPLETION OF THE WATER AND/OR SEWER CONSTRUCTION AND PRIOR TO RECORDING THE FINAL PLAT, THE CONTRACTOR WILL FURNISH THE WATER SYSTEM INSPECTOR RECORD DRAWINGS OF THE PROJECT.
- 5. BUILDING CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH THE GAS COMPANY FOR THE CONSTRUCTION OF THE GAS LINE BETWEEN METER AND MAIN.
- 6. BUILDING CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH THE POWER COMPANY FOR THE CONSTRUCTION OF ELECTRICAL CONDUIT TO PROVIDE SERVICE TO THE TRANSFORMER.
- 7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING, PRIOR TO CONSTRUCTION, ALL EXISTING LOCATIONS AND INVERT ELEVATIONS OF SANITARY SEWERS, STORM DRAINAGE, AND WATER MAINS. IF ANY INVERT ELEVATION VARIES MORE THAN 0.1 FT. FROM RECORD ELEVATIONS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY. WORK SHALL NOT PROCEED UNTIL THE CONTRACTOR IS NOTIFIED BY THE ENGINEER.
- 8. CONNECT TO EXISTING UTILITIES AND INSTALL UTILITIES IN COMPLIANCE WITH REQUIREMENTS OF APPROPRIATE JURISDICTIONAL AGENCIES.
- 9. COORDINATE WITH BUILDING PLANS TO ASSURE ACCURACY OF UTILITY CONNECTIONS AND COMPLIANCE WITH LOCAL CODES.
- 10. ALL SEWERS TO BE MAINTAINED THROUGHOUT CONSTRUCTION, INCLUDING CLEANING OF ANY SILT OR DEBRIS ACCUMULATED IN STRUCTURES.
- 11. ALL SURPLUS EXCAVATED MATERIAL FROM THE TRENCH SHALL BE DISPOSED OFF THE SITE BY CONTRACTOR.
- 12. COORDINATE EXACT TRENCHING, ROUTING, AND POINT OF TERMINATION WITH ALL UTILITY COMPANIES.
- 13. MINIMUM SEPARATION BETWEEN WATER AND SANITARY SEWER LINES SHALL BE A MINIMUM OF 10' HORIZONTALLY AND 18" VERTICALLY.

GENERAL EROSION CONTROL NOTES:

- 1. ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED WITH STORM WATER POLLUTION PREVENTION SHALL OBTAIN A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN AND BECOME FAMILIAR WITH TCEQ TPDES GENERAL PERMIT TX150000 PLAN AND ITS CONTENTS.
- 2. CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES AS REQUIRED BY THE SWPPP. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS AT NO ADDITIONAL COST OF OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.
- 3. BEST MANAGEMENT PRACTICES (BMP'S) AND CONTROLS SHALL CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS OR MANUAL OF PRACTICE, AS APPLICABLE CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY PERMITTING AGENCY OR OWNER.
- 4. SITE MAP MUST CLEARLY DELINEATE ALL STATE WATERS. PERMITS FOR ANY CONSTRUCTION ACTIVITY IMPACTING STATE WATERS OR REGULATED WETLANDS MUST BE MAINTAINED ON SITE AT ALL TIMES.
- 5. CONTRACTOR SHALL MINIMIZE CLEARING TO THE MAXIMUM EXTENT PRACTICAL OR AS REQUIRED BY THE GENERAL PERMIT.
- 6. GENERAL CONTRACTOR SHALL DENOTE ON PLAN THE TEMPORARY PARKING AND STORAGE AREA WHICH SHALL ALSO BE USED AS THE EQUIPMENT MAINTENANCE AND CLEANING AREA, EMPLOYEE PARKING AREA, AND AREA FOR LOCATING PORTABLE FACILITIES, OFFICE TRAILERS, AND TOILET FACILITIES.
- 7. ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC.) SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.
- 8. SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLOTATION BOOMS SHALL BE MAINTAINED ON SITE OR READLY AVAILABLE TO CONTAIN AND CLEAN—UP FUEL

OR CHEMICAL SPILLS AND LEAKS.

- 9. DUST ON THE SITE SHALL BE CONTROLLED. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED.
- 10. RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORMWATER DISCHARGE INTO DRAINAGE DITCHES OR WATERS OF THE STATE.
- 11. ALL STORM WATER POLLUTION PREVENTION MEASURES PRESENTED ON THIS PLAN SHALL BE INITIATED AS SOON AS PRACTICABLE.
- 12. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS STOPPED FOR AT LEAST 14 DAYS, SHALL BE TEMPORARILY SEEDED. THESE AREAS SHALL BE SEEDED NO LATER THAN 14 DAYS FROM THE LAST CONSTRUCTION ACTIVITY OCCURRING IN THESE AREAS.
- 13. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS PERMANENTLY STOPPED SHALL BE PERMANENTLY SEEDED. THESE AREAS SHALL BE SEEDED NO LATER THAN 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURRING IN THESE AREAS. REFER TO THE GRADING PLAN AND/OR LANDSCAPE
- 14. IF THE ACTION OF VEHICLES TRAVELING OVER THE GRAVEL CONSTRUCTION ENTRANCES IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF DIRT OR MUD, THEN THE TIRES MUST BE WASHED BEFORE THE VEHICLES ENTER A PUBLIC ROAD. IF WASHING IS USED, PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF THE SITE.
- 15. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.
- 16. CONTRACTORS OR SUBCONTRACTORS WILL BE RESPONSIBLE FOR REMOVING SEDIMENT IN THE DETENTION POND AND ANY SEDIMENT THAT MAY HAVE COLLECTED IN THE STORM SEWER DRAINAGE SYSTEMS IN CONJUNCTION WITH THE STABILIZATION OF THE SITE.
- 17. ON—SITE & OFFSITE SOIL STOCKPILE AND BORROW AREAS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGH IMPLEMENTATION OF BEST MANAGEMENT PRACTICES. STOCKPILE AND BORROW AREA LOCATIONS SHALL BE NOTED ON THE SITE MAP AND PERMITTED IN ACCORDANCE WITH GENERAL PERMIT REQUIREMENTS.
- 18. SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION. SLOPES LEFT EXPOSED WILL, WITHIN 14 CALENDAR DAYS OF COMPLETION OF ANY PHASE OF GRADING, BE PLANTED OR OTHERWISE PROVIDED WITH TEMPORARY OR PERMANENT GROUND COVER, DEVICES, OR STRUCTURES SUFFICIENT TO RESTRAIN EROSION.
- 19. DUE TO THE GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION CONTROL MEASURES (SILT FENCES, STRAW BALES, ETC.) TO PREVENT EROSION.
- 20. ALL CONSTRUCTION SHALL BE STABILIZED AT THE END OF EACH WORKING DAY, THIS INCLUDES BACKFILLING OF TRENCHES FOR UTILITY CONSTRUCTION AND PLACEMENT OF GRAVEL OR BITUMINOUS PAVING FOR ROAD CONSTRUCTION.

GENERAL DEMOLITION NOTES:

- 1. ANY DEMOLITION IS TO BE PERFORMED IN STRICT CONFORMANCE WITH ALL APPLICABLE CITY, COUNTY AND STATE, AND/OR GOVERNING BODY'S STANDARDS.
- 2. THE DEMOLITION PLAN SHALL BE DONE IN CONJUNCTION WITH THE GEOTECHNICAL INVESTIGATION REPORT.
- 3. EROSION AND SEDIMENT CONTROL MEASUREMENTS SHALL BE MAINTAINED AT ALL TIMES DURING DEMOLITION.
- 4. THE PURPOSE OF THIS DRAWING IS TO CONVEY THE OVERALL SCOPE OF WORK AND IT IS NOT INTENDED TO COVER ALL DETAILS OR SPECIFICATIONS REQUIRED TO COMPLY WITH GENERALLY ACCEPTED DEMOLITION PRACTICES. CONTRACTOR SHALL THOROUGHLY FAMILIARIZE HIMSELF WITH THE SITE, SCOPE OF WORK, AND ALL EXISTING CONDITIONS AT THE JOB SITE PRIOR TO BIDDING AND COMMENCING THE WORK. THE DEMOLITION CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR MEANS, METHODS, TECHNIQUES, OR PROCEDURES USED TO COMPLETE THE WORK IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS AND IS LIABLE FOR THE SAFETY OF THE PUBLIC OR CONTRACTOR'S EMPLOYEES DURING THE COURSE OF THE PROJECT.
- 5. THE DEMOLITION PLAN IS INTENDED TO SHOW REMOVAL OF KNOWN SITE FEATURES AND UTILITIES AS SHOWN ON THE SURVEY. THERE MAY BE OTHER SITE FEATURES, UTILITIES, STRUCTURES, AND MISCELLANEOUS ITEMS BOTH BURIED AND ABOVE GROUND THAT ARE WITHIN THE LIMITS OF WORK THAT MAY NEED TO BE REMOVED FOR THE PROPOSED PROJECT THAT ARE NOT SHOWN HEREON. THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL OF SUCH ITEMS AT NO ADDITIONAL COST TO THE OWNER.
- 6. THE CONTRACTOR SHALL CONTACT RESPECTIVE UTILITY COMPANIES PRIOR TO DEMOLITION TO COORDINATE DISCONNECTION AND REMOVAL OF EXISTING UTILITIES WITHIN THE AREA OF WORK.
- 7. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES THAT ARE INTENDED TO CONTINUE TO PROVIDE SERVICE WHETHER THESE UTILITIES ARE SHOWN ON THE PLAN OR NOT.
- 8. UPON DISCOVERY OF ANY UNDERGROUND TANKS, CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER'S REPRESENTATIVE. NO REMOVAL OF TANKS SHALL OCCUR UNTIL AUTHORIZED BY OWNER
- 9. BUILDING AND APPURTENANCES DESIGNATED FOR DEMOLITION SHALL NOT BE DISTURBED BY THE CONTRACTOR UNTIL HE HAS FURNISHED WITH NOTICE TO PROCEED BY THE OWNER. AS SOON AS SUCH NOTICE HAS BEEN GIVEN, THE CONTRACTOR SHALL PERFORM THE DEMOLITION, UNDER THE DIRECTION OF THE OWNER'S REPRESENTATIVE.
- 10. ALL EXISTING UTILITIES WITHIN THE EXISTING BUILDING ARE TO BE REMOVED, WHERE CONFLICTS OCCUR WITH GRADE, BEAMS, PILES, PROPOSED UTILITIES AND TRENCH BACKFILLED AND COMPACTED IN ACCORDANCE WITH THE SPECIFICATIONS AND GEOTECHNICAL REPORT.
- 11. FOUNDATIONS, FLOORS, FLOOR SLABS, AND ANY OTHER UNDERGROUND BUILDING STRUCTURES SHALL BE REMOVED IN ACCORDANCE WITH THE SPECIFICATIONS. AREAS OF STRUCTURE REMOVAL SHALL BE BACKFILLED IN ACCORDANCE WITH SPECIFICATIONS AND THE GEOTECHNICAL REPORT.
- 12. DEBRIS SHALL NOT BE BURIED ON THE SUBJECT SITE. ALL UNSUITABLE MATERIAL AND DEBRIS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN ACCORDANCE WITH ALL CITY, STATE, AND FEDERAL LAWS AND ORDINANCES.
- 13. ALL MATERIAL, EXCEPT THAT BELONGING TO A PUBLIC UTILITY COMPANY OR DENOTED FOR SALVAGE, SHALL BECOME PROPERTY OF THE CONTRACTOR. THE CONTRACTOR SHALL NOTIFY THE OWNER OF WATER, ELECTRIC, OR GAS METERS WHEN THE METERS ARE READY FOR REMOVAL, AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISCONNECTING ALL UTILITIES IN COMPLIANCE WITH LOCAL REQUIREMENTS. DISCONNECT TRANSFORMERS AS REQUIRED FOR BUILDING DEMOLITION.
- 14. AS SOON AS DEMOLITION WORK HAS BEEN COMPLETED, THE FINAL GRADE OF BACKFILL IN DEMOLITION AREAS SHALL BE COMPACTED PER THE GEOTECHNICAL REPORT TO PRESENT A NEAT, WELL DRAINED APPEARANCE, AND TO PREVENT WATER FROM DRAINING UNNECESSARILY ONTO ADJACENT PROPERTIES. CONTRACTOR SHALL GRADE SITE TO EXISTING STORM DRAINAGE SYSTEM TO REMAIN ON SITE.
- 15. EXISTING TREES TO REMAIN SHOULD BE PROTECTED FROM DAMAGE DURING DEMOLITION AND CONSTRUCTION.
- 16. THE CONTRACTOR IS TO COORDINATE WORK IN THIS PROJECT TO ENSURE ACCESS TO ADJACENT PROPERTIES AT ALL TIMES.

GENERAL PAVING NOTES:

- 1. CONTRACTOR MUST SECURE ALL NECESSARY PERMITS PRIOR TO STARTING WORK.
- 2. REFER TO GEOTECH REPORT FOR PREPARATION OF THE SUBGRADE.
- 3. IF THE CONTRACTOR, IN THE COURSE OF THE WORK, FINDS ANY DISCREPANCIES BETWEEN THE PLANS AND THE PHYSICAL CONDITIONS OF THE LOCALITY, OR ANY ERRORS OR OMISSIONS IN THE PLANS OR IN THE LAYOUT AS GIVEN BY THE ENGINEER, IT SHALL BE HIS DUTY TO IMMEDIATELY INFORM THE ENGINEER, IN WRITING, AND THE ENGINEER WILL PROMPTLY VERIFY THE SAME. ANY WORK DONE AFTER SUCH A DISCOVERY, UNTIL AUTHORIZED, WILL BE AT THE CONTRACTOR'S RISK.
- 4. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL SETBACKS, EASEMENTS, AND DIMENSIONS SHOWN HEREON BEFORE BEGINNING CONSTRUCTION.
- 5. ALL CONSTRUCTION MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE TO THE STATE AND LOCAL GOVERNMENT AGENCY LATEST CONSTRUCTION SPECIFICATIONS AND DETAILS
- 6. ALL ACCESSIBLE SITE FEATURES SHALL BE CONSTRUCTED TO MEET ALL FEDERAL, STATE AND LOCAL CODE.
- 7. NOTIFY THE CITY INSPECTOR TWENTY-FOUR (24) HOURS BEFORE BEGINNING EACH PHASE OF CONSTRUCTION.
- 8. THE CONTRACTOR SHALL CAREFULLY PRESERVE BENCHMARKS, REFERENCE POINTS, AND STAKES.
- 9. ARCHITECTURAL PLANS ARE TO BE USED FOR BUILDING STAKE OUT.

OR OUTSIDE CONTRACT LIMITS DUE TO CONSTRUCTION OPERATION.

- 10. ALL DIMENSIONS ARE FROM FACE OF BUILDING, CURB, AND WALL UNLESS OTHERWISE SPECIFIED ON PLANS.
- 11. CONTRACTOR SHALL MAINTAIN THE SITE IN A MANNER SO THAT WORKMEN AND PUBLIC SHALL BE PROTECTED FROM INJURY, AND ADJOINING PROPERTY PROTECTED FROM DAMAGE.
- 12. CONTRACTOR IS RESPONSIBLE FOR DAMAGE TO ANY EXISTING ITEM AND/OR MATERIAL INSIDE
- 13. ALL STREET SURFACES, DRIVEWAYS, CULVERTS, CURB AND GUTTERS, ROADSIDE DRAINAGE DITCHES AND OTHER STRUCTURES THAT ARE DISTURBED OR DAMAGED IN ANY MANNER AS A RESULT OF CONSTRUCTION SHALL BE REPLACED OR REPAIRED IN ACCORDANCE WITH THE SPECIFICATIONS.
- 14. ALL ROAD WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE STATE AND LOCAL GOVERNMENT AGENCY SPECIFICATIONS.

GENERAL GRADING/DRAINAGE NOTES:

- 1. ALL GRADING AND SITE PREPARATION SHALL CONFORM WITH SPECIFICATIONS CONTAINED IN THE GEOTECHNICAL REPORT.
- 2. ALL CONSTRUCTION MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE TO THE CITY LATEST CONSTRUCTION SPECIFICATIONS AND DETAILS.
- THE CITY LATEST CONSTRUCTION SPECIFICATIONS AND DETAILS.
- 3. PRIOR TO ANY EXCAVATION OF THE PROJECT SITE, THE CONTRACTOR SHALL NOTIFY THE CITY 48 HOURS PRIOR TO THE START OF CONSTRUCTION.
- 4. THE CONTRACTOR SHALL CAREFULLY PRESERVE BENCHMARKS, REFERENCE POINTS
- 5. ALL INDICATED ELEVATIONS ARE FINISHED ELEVATIONS.
- 6. FIELD VERIFY LOCATIONS, SIZES AND IF APPLICABLE INVERTS OF EXISTING UTILITIES FOR PROPOSED CONNECTIONS PRIOR TO CONSTRUCTION.
- 7. LOCATE AND PROTECT ALL UTILITIES ASSOCIATED WITH THE PROJECT PRIOR TO CONSTRUCTION.
- 8. INSTALL SILT CONTROL MEASURES BEFORE BEGINNING SITE WORK. THESE MEASURES SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION.
- 9. MAINTAIN PROPER SITE DRAINAGE AT ALL TIMES DURING CONSTRUCTION. PREVENT STORM WATER FROM RUNNING INTO OR STANDING IN EXCAVATED AREAS.
- 10. INSTALL ALL APPROPRIATE TREE PROTECTION MEASURES PRIOR TO GRADING.
- 11. CUT AND FILL SLOPES SHALL HAVE A MAXIMUM SLOPE OF 4:1.
- 12. ALL EXCAVATION SHALL INCLUDE CLEARING, STRIPPING AND STOCKPILING TOPSOIL, REMOVING UNSUITABLE MATERIALS, THE CONSTRUCTION OF EMBANKMENTS, CONSTRUCTION FILLS, AND THE FINAL SHAPING AND TRIMMING TO THE THE LINES AND GRADES SHOWN ON THE PLANS.
- 13. ALL TREES, BRUSH, AND ORGANIC TOPSOIL AND OTHER OBJECTIONABLE MATERIAL SHALL BE REMOVED, UNLESS OTHERWISE SPECIFIED, AND DISPOSED OF AT AN OFF-SITE LOCATION, WITH THE EXCEPTION THAT ENOUGH TOPSOIL SHALL BE RETAINED FOR RESPREAD AND GENERAL LANDSCAPING. AREAS WHICH ARE TO BE FILLED SHALL BE COMPACTED TO A MAXIMUM DENSITY OF 95% AS DETERMINED BY THE MODIFIED AASHTO COMPACTION TEST IN THE PAVED AREAS AND 85% IN THE OTHER AREAS.
- 14. STRIP AND STOCKPILE TOPSOIL. SPREAD FOUR (4) INCHES MINIMUM OF TOPSOIL ON LANDSCAPE AREAS AND REMOVE EXCESS TOPSOIL FROM SITE. PREPARE SUB-GRADE FOR PAVEMENT AND CURBS AND BACKFILL CURBS AFTER CURB CONSTRUCTION.
- 15. PROVIDE SUPPLY OF TOPSOIL FOR LANDSCAPE CONTRACTOR FOR INSTALLATION IN ALL LANDSCAPE ISLANDS.
- 16. PROVIDE AND INSTALL TOPSOIL IN DISTURBED AREAS TO BE GRASSED, TO INCLUDE PAVEMENT SHOULDERS AND DETENTION AREAS.
- 17. ALL EARTHWORK AND BASE COURSE FOR THE PARKING AREA SHALL BE COMPACTED TO A MINIMUM OF 95% MODIFIED LABORATORY DENSITY. CERTIFICATION SAID COMPACTION SHALL BE SUBMITTED BY THE CONTRACTOR TO THE ENGINEER, OR HIS/HER REPRESENTATIVE, PRIOR TO THE PLACEMENT OF THE BASE COURSE MATERIAL. BOTH PROOF ROLLING AND COMPACTION TESTING MUST BE APPROVED AND WITNESSED BY THE ENGINEER OR OWNER REPRESENTATIVE.
- 18. THE PAVEMENT SUBGRADE AND BASE COURSE MATERIAL SHALL BE INSPECTED AND APPROVED BY THE ENGINEER OR OWNER REPRESENTATIVE PRIOR TO CONSTRUCTING THE BASE AND SURFACE COURSES THEREON.
- 19. CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE TO ALL INLETS AND CATCH BASINS. AREAS OF SURFACE PONDING SHALL BE CORRECTED BY CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER.
- 20. IF AREAS ARE DISTURBED BEYOND PROPOSED GRADES BY NEGLIGENCE OF THE CONTRACTOR, THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY REGRADING OR REPAIR TO MATCH ORIGINAL EXISTING CONDITIONS.
- 21. SHORING SHALL BE DONE AS NECESSARY FOR THE PROTECTION OF THE WORK AND FOR THE SAFETY OF PERSONNEL. SHORING SHALL BE IN ACCORDANCE WITH ALL O.S.H.A AND LOCAL REGULATIONS.
- 22. STRUCTURES FOR STORM SEWERS SHALL BE IN ACCORDANCE WITH THESE IMPROVEMENT PLANS AND THE APPLICABLE STANDARD SPECIFICATIONS. WHERE GRANULAR TRENCH BACKFILL IS REQUIRED AROUND THESE STRUCTURES, THE COST SHALL BE CONSIDERED AS INCIDENTAL AND SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE STRUCTURE.
- 23. CONFIRM INVERTS OF ALL EXISTING STORM INLETS AND SANITARY SEWER MANHOLES BEFORE COMMENCING CONSTRUCTION.
- 24. ALL STORM SEWER LINES 18"-54" DIAMETER ARE TO BE REINFORCED CONCRETE PIPE ACCORDING TO ASTM C-76 TYPE III, UNLESS OTHERWISE SPECIFIED ON PLANS.
- EROSION CONTROL AN ALL SLOPES GREATER THAN 3H:1V.

25. A GEOTEXTILE MATTING (LANDLOCK TRM 450 OR EQUIVALENT) SHALL BE USED FOR

- 26. DRAINAGE STRUCTURES AND DETENTION POND SHALL BE MAINTAINED BY PROPERTY OWNERS.
- 27. CONTRACTOR SHALL ADHERE TO PROPOSED GRADES ALONG CREEKS, ESPECIALLY IN THE AREA OF THE PROPOSED DETENTION POND. IF AREAS ARE DISTURBED BEYOND PROPOSED GRADES BY NEGLIGENCE OF THE CONTRACTOR, THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY PENALTIES INCURRED.
- 28. ALL PROPOSED SPOT ELEVATIONS SHOWN INDICATE FINISHED GRADED ELEVATIONS AT EDGE OF PAVEMENT AND/OR GRADE BREAKS, UNLESS OTHERWISE NOTED.



Allen, TX 75013 Ph. 214-491-1830

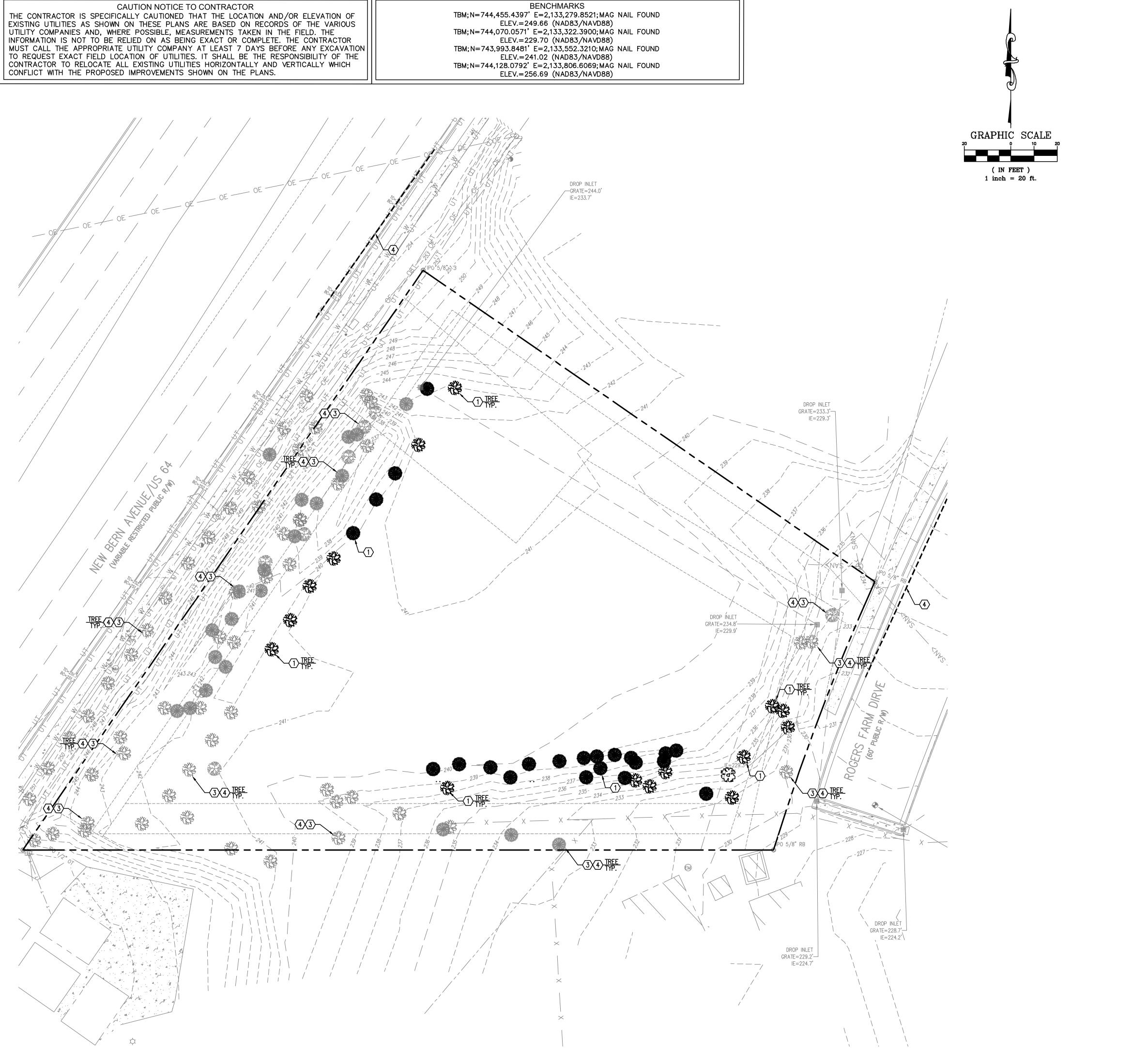
John Measels, PE

CIVIL ENGINEER

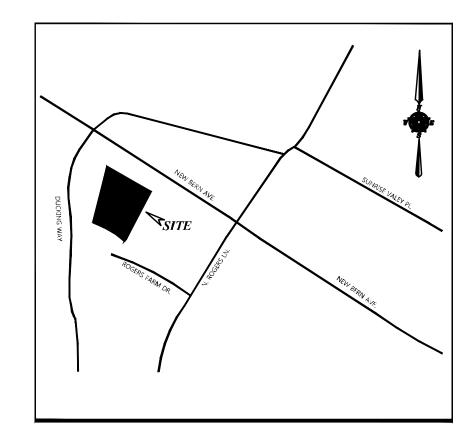


KE FIVE CAR WASI O NEW BERN AVE.

REV DATE DESCRIPTION NA O7/24/23 INITIAL SUBMITTAL JIM



CAUTION NOTICE TO CONTRACTOR



LOCATION MAP

NOT TO SCALE

LEGEND:

— — — PROPERTY LINE EXISTING CURB & GUTTER — — — LIMITS OF FULL DEPTH SAWCUT

DEMOLITION KEY NOTES:

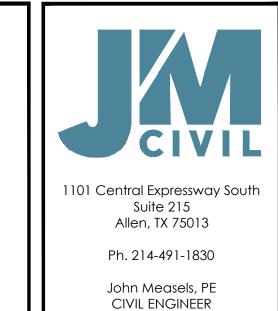
- 1) EXISTING TO BE REMOVED.
- 2 EXISTING TO REMAIN.
- (3) EXISTING TO BE PROTECTED.
- 4 LIMITS OF FULL DEPTH SAWCUT AND PAVEMENT REMOVAL.

EXISTING SURVEY LEGEND

TW= BW= ×90.0 **ELEVATION** WALL

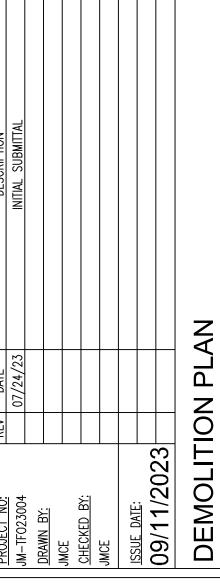
	STING SURVE	I LEG	PEND		
IPO 🔘	IRON PIN OLD	— ×—	FENCE LINE		CATCH BASIN
IPS 🔘	IRON PIN SET	—— CTV ——	CABLE TV	-	DROP INLET
CT	CRIMP TOP	— FOC —	FIBER OPTIC CABLE	\boxtimes	ELEC TRANS
N&C	NAIL & CAP	—— GAS ——	GAS LINE	GAS	CAC VALVE
OT	OPEN TOP	OHP	OVERHEAD POWER	\bowtie	GAS VALVE
RB	REBAR		OVERHEAD TELEPHONE		LIGHT POLE
△ PT	POINT		STORM DRAIN		POWER POLE
SD	STORM DRAIN		SANITARY SEWER	-	GUY ANCHOR
SS	SANITARY SEWER	—— UGP ——	UNDERGROUND POWER	_	HVAC UNIT
SSE	SS EASEMENT	UGT	UNDERGROUND TELEPHONE		TELEPHONE PEDESTAL
DE	DRAINAGE EASEMENT	— w —	WATER LINE		TELEPHONE MANHOLE
CMP	CORRUGATED METAL PIPE	(D)	SD MANHOLE	0	CLEAN OUT
RCP	REINFORCED CONC PIPE	(S)	SS MANHOLE	(MW)	MONITORING WELL
VCP	VITRIFIED CLAY PIPE	(GM)	GAS METER	(IV)	POST INDICATOR VALVE
CPP ©	CORRUGATED PLASTIC PIPE CENTERLINE	€M)	ELECTRIC METER	W	WELL
ĒΡ	EDGE OF PAVEMENT	(WM)	WATER METER	4	YARD LIGHT
R/W	RIGHT OF WAY	WV	WATER VALVE	A DUI	BUILDING HEIGHT LOCAT
B/L	BUILDING LINE	\bowtie	WATER VALVE FIRE HYDRANT	- ZBUL	DUILDING TILIGITI LOCATI
TC=	TOP/BOTTOM CURB	₩			
BC=	TOLYBOTTOM COND		CABLE TV PEDESTAL		







TAKE FIVE CAR



CAUTION NOTICE TO CONTRACTOR THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE ELEV.=229.70 (NAD83/NAVD88) INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR TBM; N=743,993.8481' E=2,133,552.3210; MAG NAIL FOUND MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 7 DAYS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE ELEV.=241.02 (NAD83/NAVD88) CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES HORIZONTALLY AND VERTICALLY WHICH TBM; N=744,128.0792' E=2,133,806.6069; MAG NAIL FOUND CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS. ELEV.=256.69 (NAD83/NAVD88) -GRATE=244.0' IE=233.7' F.F.E. = 236.68CAR WASH BUILDING F.F.E. = 236.35-236.60 20' AL TERNATE LA24 SCAPE BUFFER

BENCHMARKS FLOODNOTE TBM; N=744,455.4397' E=2,133,279.8521; MAG NAIL FOUND ACCORDING TO THE F.I.R.M. NO. 3720173400K, THE SUBJECT PROPERTY LIES IN ZONE X AND DOES NOT LIE WITHIN A FLOOD PRONE HAZARD AREA, PER MAP REVISION DATED ELEV.=249.66 (NAD83/NAVD88) JULY 19, 2022. TBM; N=744,070.0571' E=2,133,322.3900; MAG NAIL FOUND

> (IN FEET) 1 inch = 20 ft.

DROP INLET

GRATE=233.3'-

RETAINING WALL WITH HANDRAIL

DROP INLET

GRATE=229.2'

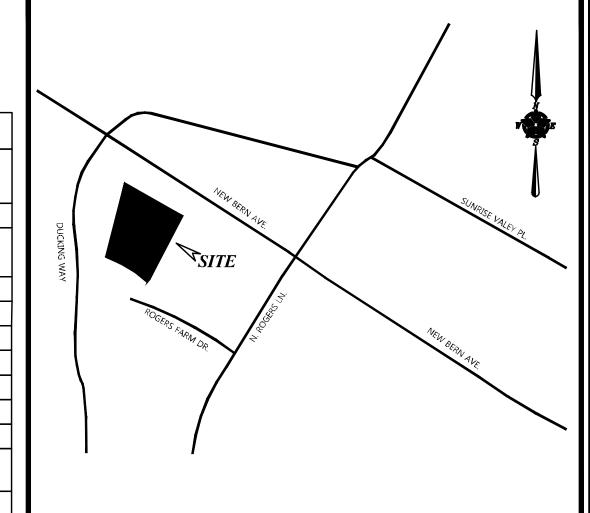
IE=224.7'

IE=229.3'

SITE DATA	TABLE	
LOCATION:	5150 NEW BE RALEIGH, NC	· · · · · · · _ ·
LOT AREA:	1.247 AC. (54	4,302 S.F.)
ZONING:	ZONING — PD USE OVERLAY	
CURRENT USE:	VACANT	
PROPOSED USE:	CAR WASH	
BUILDING DATA:		
BUILDING AREA	4,308 S.F.	
BUILDING HEIGHT	25'-0" (1 ST	ORY)
BUILDING COVERAGE	7.93%	
F.A.R.		
PARKING SUMMARY:	REQUIRED	PROVIDED
PARKING SPACES (9.5'x18')	5	6
ADA PARKING SPACES	1	1
TOTAL PARKING SPACES	6	7
VACUUM SPACES	12	12
LANDSCAPE:		

PERVIOUS:

IMPERVIOUS:



LOCATION MAP NOT TO SCALE

SITE LEGEND: PROPERTY LINE PROPOSED CURB & GUTTER ---- LIMITS OF FULL DEPTH SAWCUT # PARKING COUNT - LIGHT POLE FIRELANE ■ AREA DRAIN ACCESSIBLE SPACES O GREASE TRAP ADA RAMP CLEAN-OUT BOLLARD DD DOUBLE CLEAN-OUT TRAFFIC SIGN GM GAS METER WM WATER METER IM IRRIGATION METER S MANHOLE CURB INLET

☐ CATCH BASIN

■ DROP INLET

EXISTING SURVEY LEGEND IPO (IRON PIN OLD — × — FENCE LINE IPS IRON PIN SET — CTV — CABLE TV CRIMP TOP — FOC — FIBER OPTIC CABLE

24,204.29 S.F.

30,097.71 S.F.

NAIL & CAP OPEN TOP REBAR POINT STORM DRAIN SANITARY SEWER SS EASEMENT

REINFORCED CONC PIPE VITRIFIED CLAY PIPE CORRUGATED PLASTIC PIPE CENTERLINE

RIGHT OF WAY BUILDING LINE TOP/BOTTOM CURB

TOP/BOTTOM WALL BW =×90.0 **ELEVATION**

--- GAS LINE GAS VALVE --- OHP --- OVERHEAD POWER ☆ LIGHT POLE --- OHT --- OVERHEAD TELEPHONE O POWER POLE — SD — STORM DRAIN - GUY ANCHOR — ss — SANITARY SEWER HVAC UNIT --- USP --- UNDERGROUND POWER TELEPHONE PEDESTAL ---- UNDERGROUND TELEPHONE DRAINAGE EASEMENT - WATER LINE TELEPHONE MANHOLE CORRUGATED METAL PIPE SD MANHOLE CLEAN OUT W MONITORING WELL SS MANHOLE PIV POST INDICATOR VALVE GAS METER ELECTRIC METER WELL EDGE OF PAVEMENT WATER METER ◀ YARD LIGHT BHL BUILDING HEIGHT LOCATION WATER VALVE

FIRE HYDRANT

CABLE TV PEDESTAL

SITE KEY NOTES:

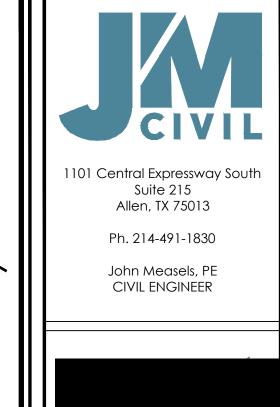
- (1) CONCRETE CURB AND GUTTER. (PER LOCAL CODES)
- (2) TAPER CURB TO MATCH EXISTING.
- MATCH EXISTING PAVEMENT ELEVATION.
- 4 LIMITS OF FULL DEPTH SAWCUT AND PAVEMENT REMOVAL
- EXISTING PAVEMENT TO REMAIN.
- CONCRETE SIDEWALK. 2% MAX. CROSS SLOPE AND 5% MAX. STRAIGHT SLOPE (PER LOCAL CODES).
- (7) SIDEWALK RAMP @ 8.33% MAX. (PER LOCAL CODES)
- (8) VACUUM UNIT ENCLOSURE.
- (9) STOP BAR. (PER LOCAL CODES)
- 10 DIRECTIONAL TRAFFIC ARROW. (PER LOCAL CODES)
- (11) PARKING STALL STRIPING. (PER LOCAL CODES)
- PEDESTRIAN/ACCESSIBLE CROSSWALK STRIPING.
- ACCESSIBLE STRIPING & SYMBOL. (TYPICAL—PER ADA AND LOCAL REQUIREMENTS)
 ACCESSIBLE SIGNS. (TYPICAL—PER ADA AND LOCAL REQUIREMENTS)
- (15) BOLLARD.

DROP INLET GRATE=228.7'

IE=224.21

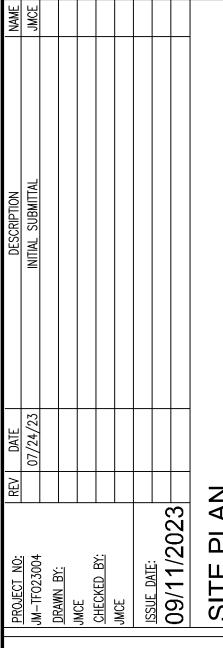
- (6) DUMPSTER ENCLOSURE. (PER ARCH. PLANS)
- (17) PROPOSED PAD MOUNTED TRANSFORMER. (18) "STOP" SIGN.
- "THANK YOU" AND "DO NOT ENTER" SIGN.
- 20 LANDSCAPE AREA. (PER LANDSCAPE PLAN)
- (21) MENU BOARD AND SPEAKER BOX.
- 22 PREVIEW MENU BOARD.
- TRAFFIC SENSOR.
- 24 INLET. (SEE PLAN FOR SIZE)
- 25 RETAINING WALL







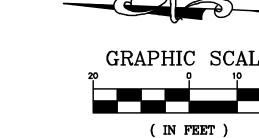
CAR FIVE

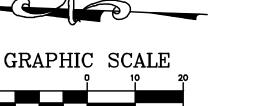


CAUTION NOTICE TO CONTRACTOR THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 7 DAYS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES HORIZONTALLY AND VERTICALLY WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.

BENCHMARKS TBM; N=744,455.4397' E=2,133,279.8521; MAG NAIL FOUND ELEV.=249.66 (NAD83/NAVD88) TBM; N=744,070.0571' E=2,133,322.3900; MAG NAIL FOUND ELEV.=229.70 (NAD83/NAVD88) TBM; N=743,993.8481' E=2,133,552.3210; MAG NAIL FOUND

ELEV.=241.02 (NAD83/NAVD88) TBM; N=744,128.0792' E=2,133,806.6069; MAG NAIL FOUND ELEV.=256.69 (NAD83/NAVD88)





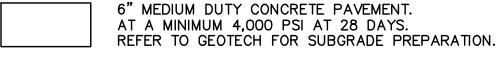
1 inch = 20 ft.



PROPOSED PAVING LEGEND:



CONCRETE SIDEWALK. 5' MINIMUM WIDTH WITH FIBER REINFORCEMENT, 5'x5' TOOOLED JOINTS, AN FULL CONSTRUCTION JOINTS EVERY 50'.



8" HEAVY DUTY CONCRETE PAVEMENT. AT A MINIMUM 4,000 PSI AT 28 DAYS.

REFER TO GEOTECH FOR SUBGRADE PREPARATION.



---- CONSTRUCTION JOINT

PAVING KEY NOTES:

- (1) MATCH EXISTING PAVEMENT ELEVATION.
- (2) LIMITS OF FULL DEPTH SAWCUT AND PAVEMENT REMOVAL.
- 3 EXISTING PAVEMENT TO REMAIN.
- CONCRETE SIDEWALK. 2% MAX. CROSS SLOPE AND 5% MAX. STRAIGHT SLOPE.
- (5) SIDEWALK RAMP @ 8.33% MAX. (PER LOCAL CODES)
- (6) MEDIUM DUTY CONCRETE PAVEMENT.
- (7) HEAVY DUTY CONCRETE PAVEMENT.
- (8) CONCRETE CURB AND GUTTER.

(9) RETAINING WALL.

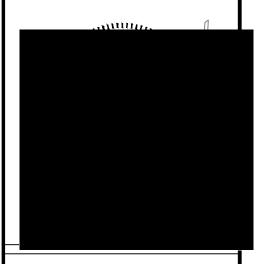
PAVING NOTES:

- 1. PANELS WIDTH/LENGTH SHALL BE BETWEEN 12'-17'.
- 2. PANELS SHALL HAVE A MAXIMUM LENGTH TO WIDTH RATIO OF 1.25:1
- 3. ALL JOINTS SHALL CONTINUE THROUGH THE CURBING 4. EXPANSION JOINTS SHALL BE PLACED NO MORE THAN 60' O.C.E.W.
- 5. CONCRETE TO BE PLACE WITH A FIBER OR WOVEN WIRE OVER 6" OF COMPACTED ABC STONE WITH A DENSITY OF 95% OR BETTER.
- 6. NEW CONCRETE SLAB REINFORCED WITH WWR 6X6 W2.9XW2.9 DELIVERED IN SHEETS (NOT ROLLS) AND PLACED IN THE CENTER OF THE SLAB. SECURE LOCATION SO THAT LIFTING OF STEEL GRID IS NOT NECESSARY AFTER THE POUR. STAGGER JOINT LOCATIONS OF
- WWR RELATIVE TO THE CONTROL JOINTS. 7. PLACE #5 DOWEL BARS AT COLD JOINTS @ 12" O.C.



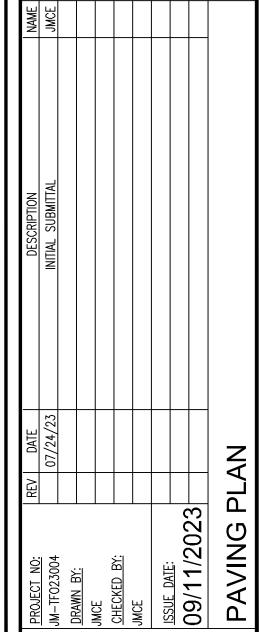
Ph. 214-491-1830

John Measels, PE CIVIL ENGINEER

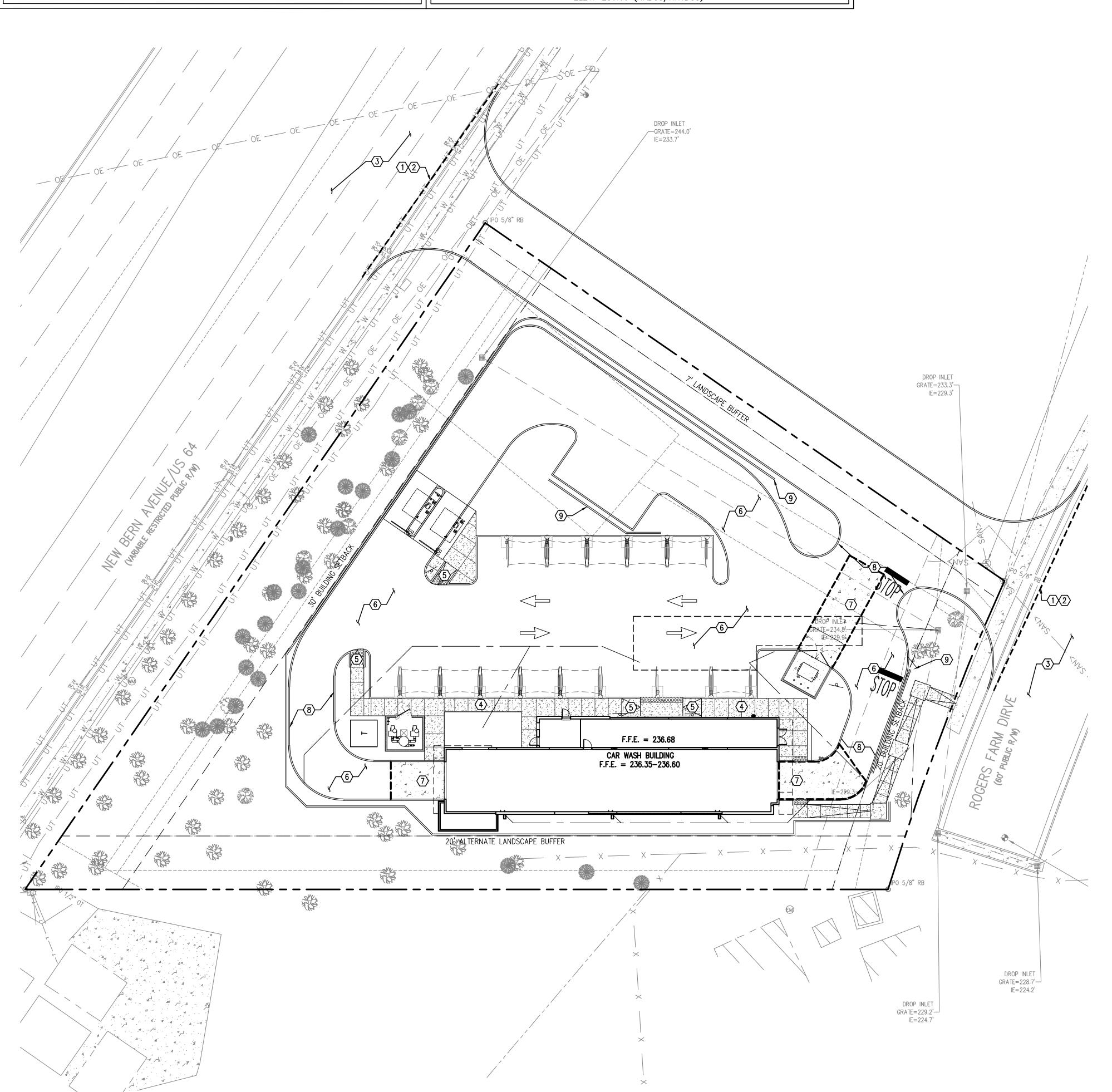


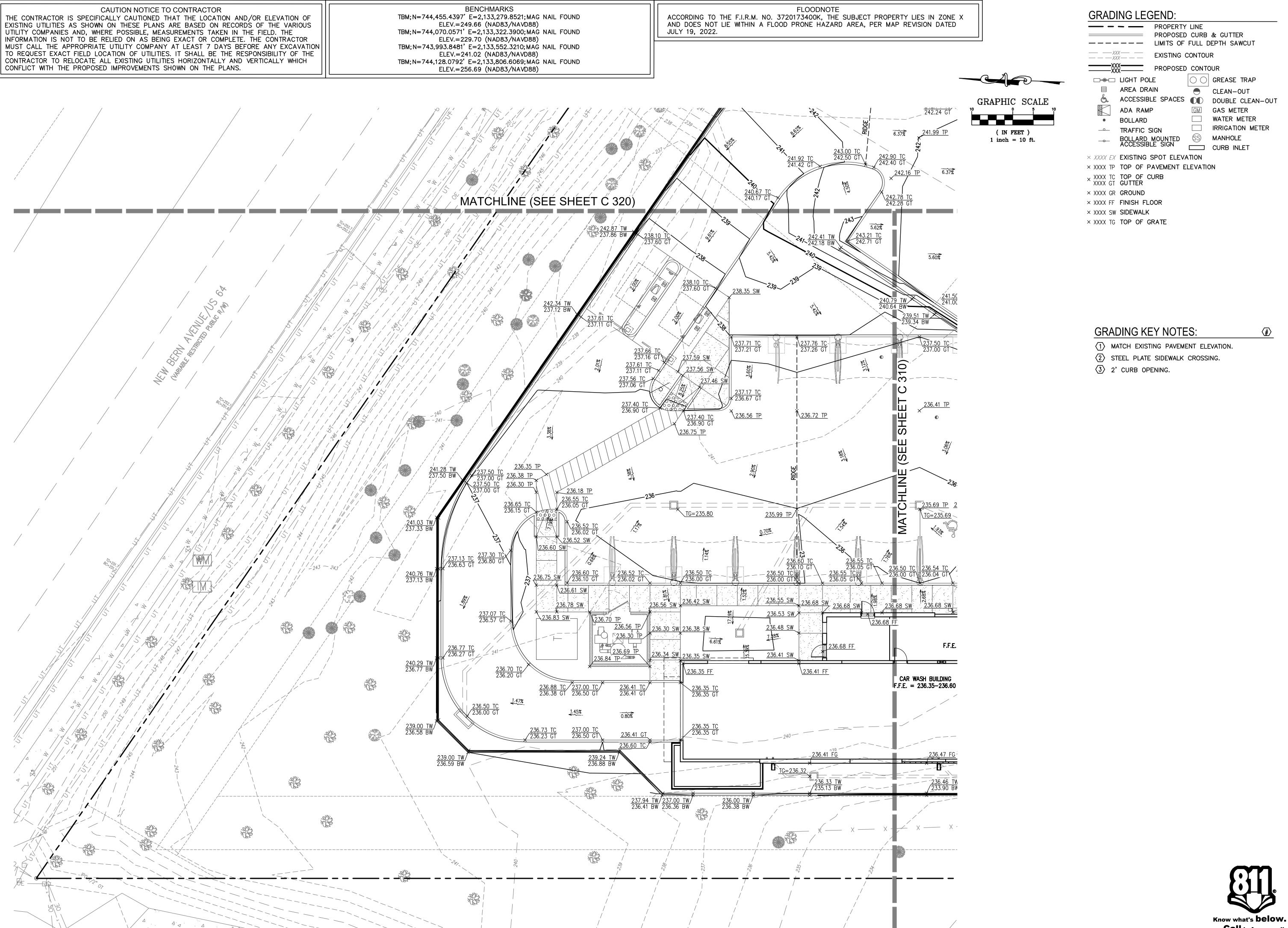


TAKE FIVE CAR



Know what's below.





1101 Central Expressway South Suite 215 Allen, TX 75013 Ph. 214-491-1830

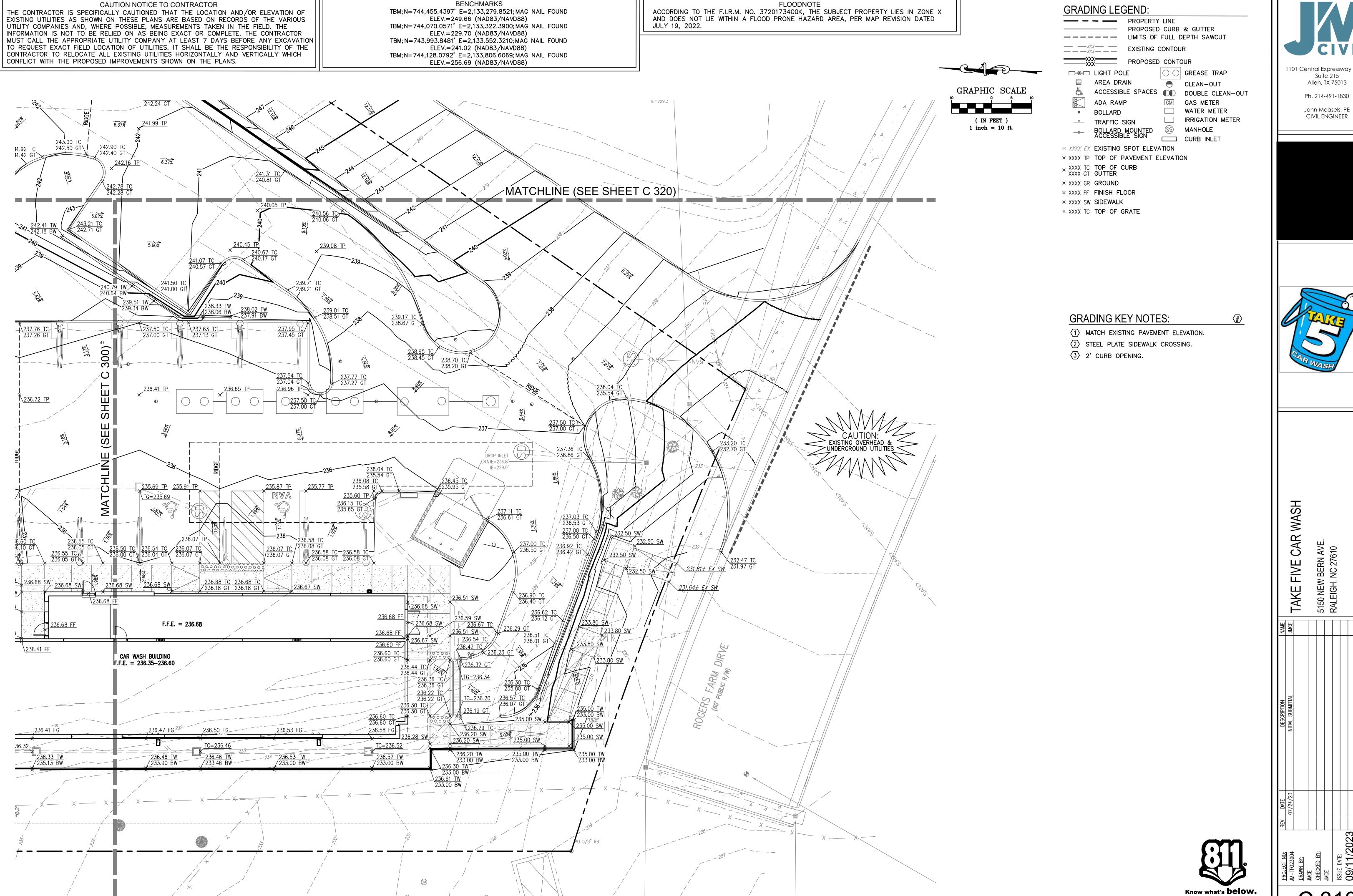
John Measels, PE

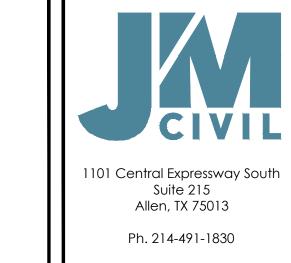
CIVIL ENGINEER

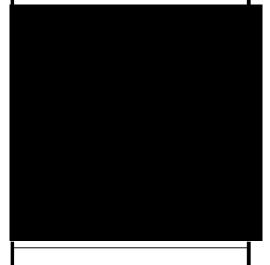


TAKE FIVE CAR WASH
5150 NEW BERN AVE.
RALEIGH, NC 27610

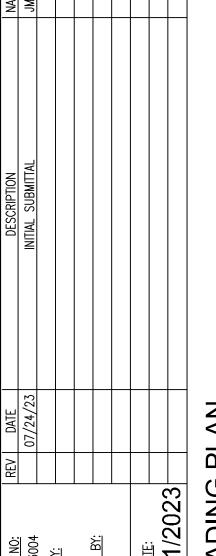
now what's **below.**Call before you dig.



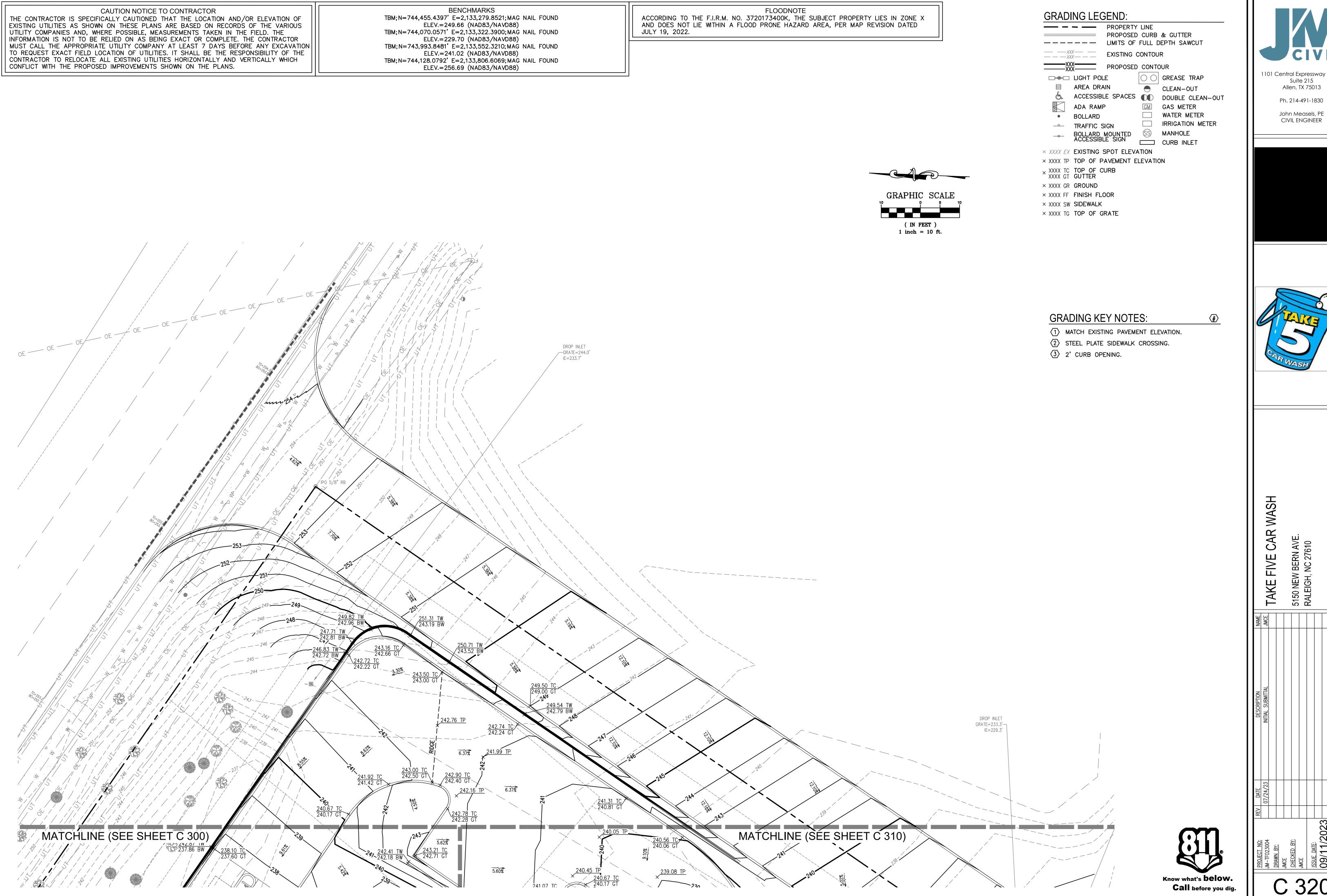






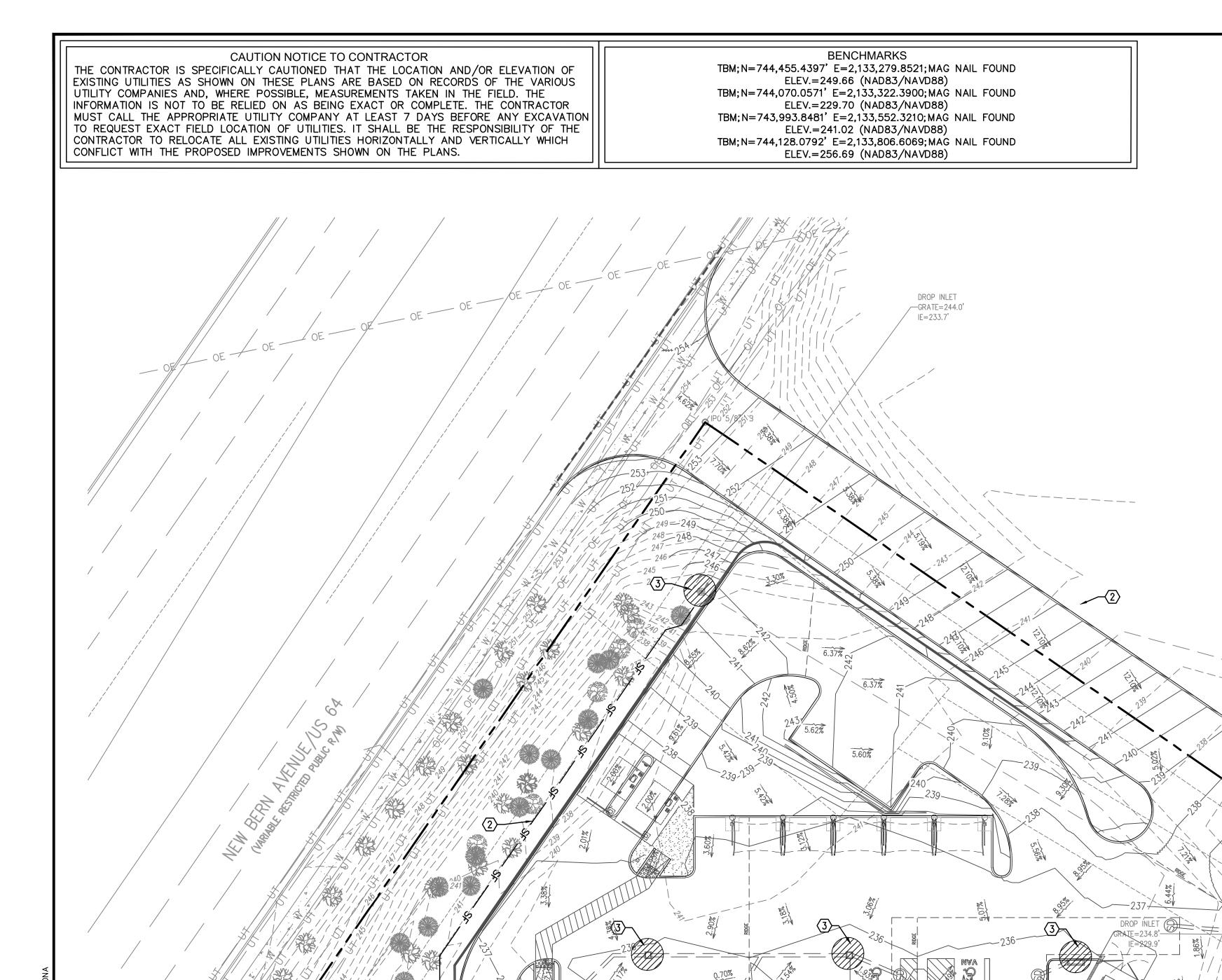


Call before you dig.



1101 Central Expressway South Suite 215

Allen, TX 75013 Ph. 214-491-1830



1.45%

F.F.E. = 236.68

CAR WASH BUILDING

F.F.E. = 236.35 - 236.60



(IN FEET

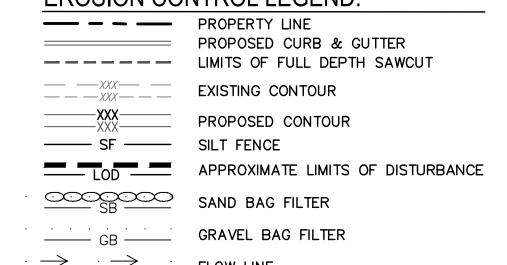
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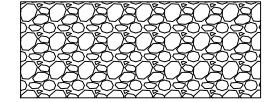
DROP INLET

GRATE=233.3'-

DROP INLÈT GRATE=228.7' IE=224.2'\

DROP INLET GRATE=229.2'— IE=224.7'





EROSION CONTROL KEY NOTES:

1 TEMPORARY CONSTRUCTION ENTRANCE.

2 TEMPORARY SILT FENCE.

TEMPORARY INLET PROTECTION.

4 10'x10' CONCRETE WASH AREA.

SEQUENCE OF CONSTRUCTION ACTIVITIES:

- A. CONSTRUCT TEMPORARY CONSTRUCTION ENTRANCE AND SILT FENCE ACCORDING TO THE APPROXIMATE LOCATION SHOWN ON THE EROSION CONTROL PLAN.
- B. CONSTRUCT TEMPORARY INLET TREATMENT AROUND OPEN STORM DRAIN INLETS ACCORDING TO THE EROSION CONTROL PLAN.
- C. KEEP ALL STORM WATER POLLUTION PREVENTION MEASURES IN PLACE.
- D. BEGIN CLEARING AND GRADING OF SITE.
- E. INSTALL WATER, SANITARY SEWER AND STORM DRAIN AS SPECIFIED ON PLAN SHEETS.
- F. PAVE STREETS AND SIDEWALKS AS SPECIFIED ON PLAN SHEETS.
- G. RE-VEGETATE LOTS, PARKWAYS AND ALL DISTURBED AREAS.
- H. REMOVE ALL TEMPORARY EROSION CONTROL DEVICES.

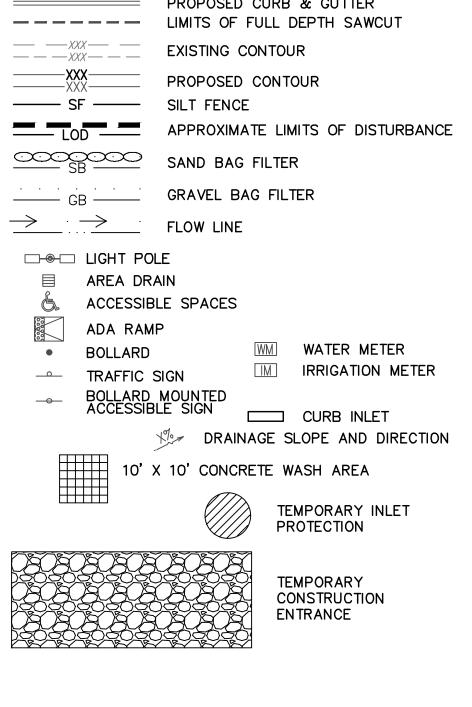
MAINTENANCE:

- A. CONTRACTOR TO KEEP ALL STORM WATER POLLUTION PREVENTION MEASURES IN PLACE DURING CONSTRUCTION.
- B. CONTRACTOR SHALL MAINTAIN ALONG WITH THE SIGNED EFFECTIVE COPY OF SWP3 DRAWINGS AN UPDATED LIST IDENTIFYING ALL POTENTIAL SOURCES OF POLLUTION INCLUDING PORTA-POTTYS. FUEL TANKS, STAGING AREAS, WASTE CONTAINERS, CHEMICAL STORAGE AREAS, CONCRETE CURE, PAINTS SOLVENTS, ETC., AND A DESCRIPTION OF THE LOCATION.
- C. CONTRACTOR TO REMOVE ALL STORM WATER POLLUTION PREVENTION MEASURES AFTER CONSTRUCTION IS COMPLETE AND INSPECTED FOR APPROVAL. LONG TERM MAINTENANCE TO BE PROVIDED BY OWNER.

NOTES:

- CONTRACTOR SHALL POLICE SITE REGULARLY AND AND KEEP SITE FREE OF TRASH AND CONSTRUCTION DEBRIS.
- 2. ALL EROSION CONTROL DEVICES SHALL BE CONSTRUCTED AND MAINTAINED IN COMPLIANCE WITH CITY STANDARD EROSION CONTROL
- 3. TOTAL DISTURBED AREA=1.2 ACRES.
- 4. REFER TO LANDSCAPE PLAN FOR FINAL GROUND STABILIZATION

	OSION AND SEDIMENT CONTROL NSTRUCTION PHASING:	DURATION OF PHASE	APPROX. DATE FOR START OF EACH PHASE
1.	TOP SOIL REMOVAL, CLEARING, GRUBBING AND PAVING REMOVAL	15 DAYS	TBD
2.	GRADING.	30 DAYS	TBD
3.	UTILITY INSTALLATION.	30 DAYS	TBD
4.	PAVING.	30 DAYS	TBD
5.	BUILDING CONSTRUCTION.	60 DAYS	TBD
6.	FINE GRADING.	15 DAYS	TBD
7.	LANDSCAPE AND VEGETATION.	15 DAYS	TBD
8.	BMP REMOVAL.	5 DAYS	TBD





1101 Central Expressway South

Suite 215

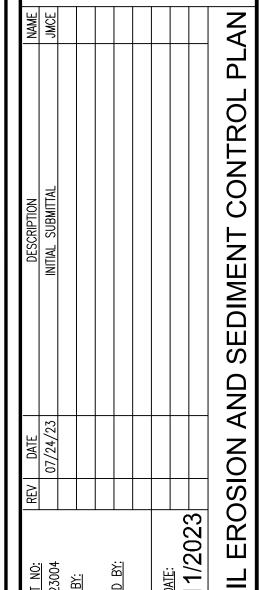
Allen, TX 75013

Ph. 214-491-1830

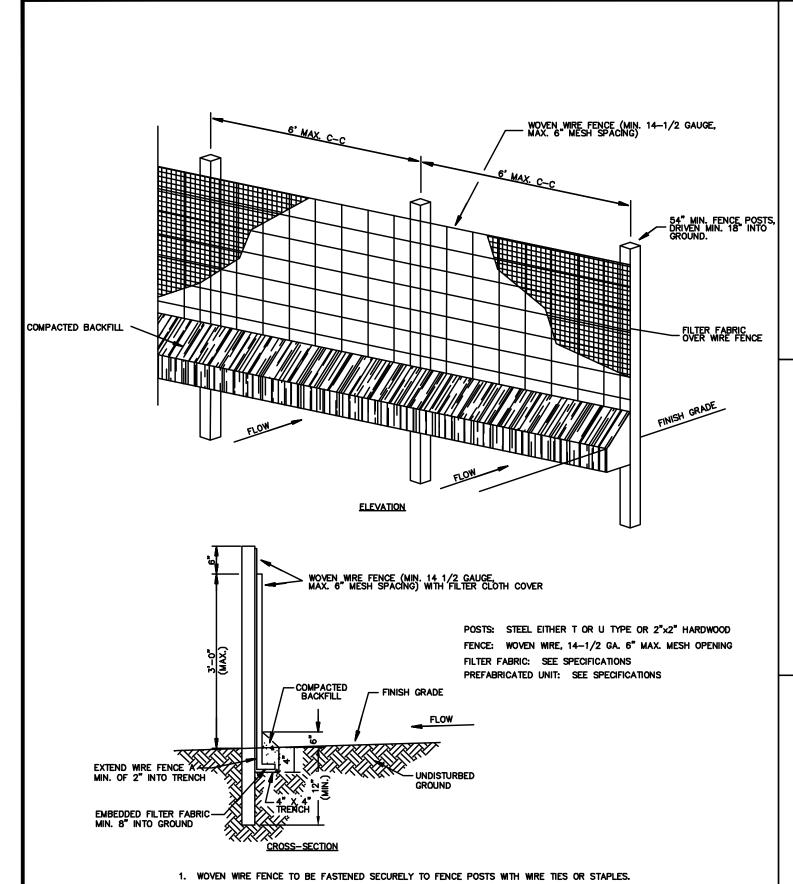
John Measels, PE CIVIL ENGINEER

WASH

CAR FIVE





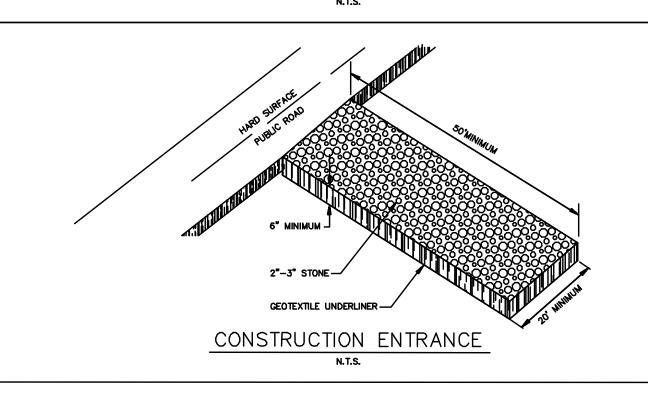


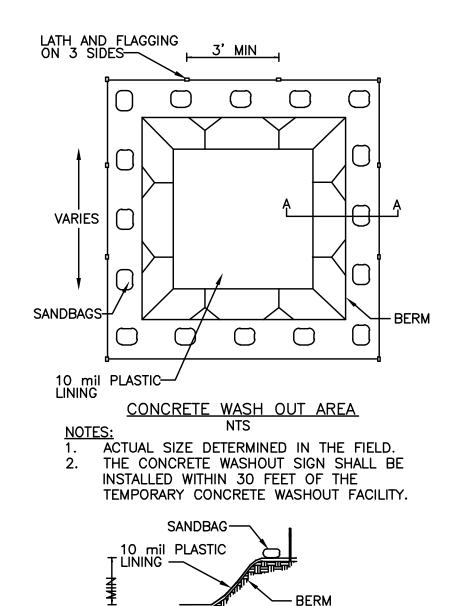
SILT FENCE

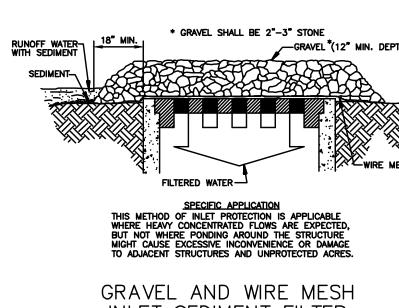
2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.

WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.

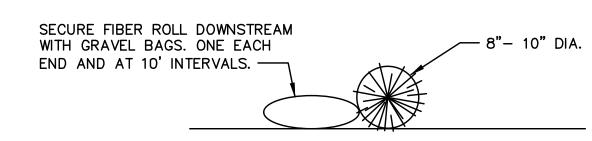
4. MAINTENANCE SHALL BE PERFORMED AS NOTED IN THE EROSION CONTROL PLAN. COLLECTED MATERIAL SHALL BE REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.







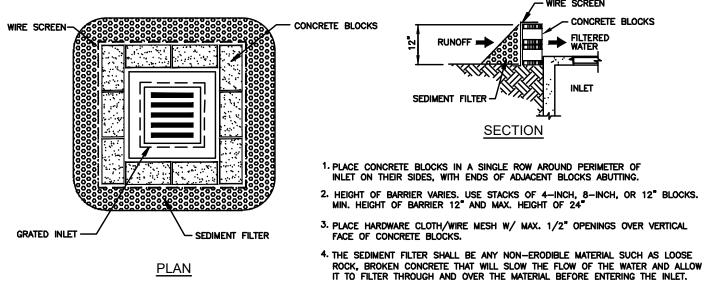
INLET SEDIMENT FILTER



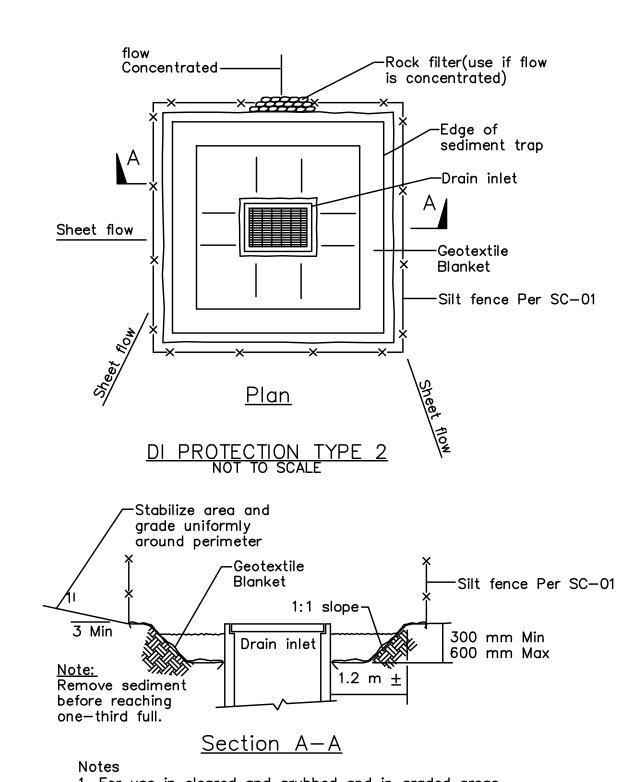
NOTES:

1. STRAW FIBER ROLL SHALL BE PLACED IN A POSITION WHERE RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND ROLL.

FIBER ROLLS (WATTLES)



BLOCK AND AGGREGATE INLET SEDIMENT FILTER



1. For use in cleared and grubbed and in graded areas.

2. Shape basin so that longest inflow area faces longest length of trap. 3. For concentrated flows, shape basin in 2:1 ratio with length oriented towards direction flow.

CATCH BASIN INLET PROTECTION DETAIL

N.T.S.

BEST MANAGEMENT PRACTICES

- 1. STRUCTURAL MEASURES SHALL BE MAINTAINED THROUGHOUT THE LIFE OF THE PROJECT IN EFFECTIVE OPERATING CONDITION.
- 2. DOCUMENTATION OF MAINTENANCE ACTIVITIES INCLUDING FREQUENCY, LOT DESIGNATION, INSPECTION OF STRUCTURAL CONTROLS, MATERIAL STORAGE AREAS, VEHICLE ENTRANCES AND EXITS: ACTIONS TAKEN AND INSPECTORS NAME.
- 3. CONSTRUCTION SITE NOTICE WILL BE MAINTAINED ON SITE
- 4. COPY OF SWPPP SHALL BE KEPT ON SITE
- 5. PERIMETER MUST RETAIN THE SWPPP, NOI AND INSPECTION LOG FOR A MINIMUM OF 3 YEARS FROM THE TERMINATION AND FINAL STABILIZATION OF PROJECT

I. WASTE MATERIALS

ALL WASTE MATERIALS INCLUDING CONSTRUCTION DEBRIS, SHALL BE COLLECTED AND STORED IN A SECURED LIDDED METAL DUMPSTER. NO CONSTRUCTION MATERIALS SHALL BE BURIED ON SITE. THE DUMPSTER SHALL BE EMPTIED AS NECESSARY OR AS REQUIRED BY ORDINANCE 9.04 (SOLID WASTE MANAGEMENT) AND THE TRASH BE HAULED TO A LICENSED LANDFILL.

II. HAZARDOUS WASTE

AT A MINIMUM, ANY PRODUCTS IN THE FOLLOWING CATEGORIES SHALL BE CONSIDERED HAZARDOUS: PAINT, ACIDS FOR CLEANING MASONRY SURFACES, CLEANING SOLVENTS. ASPHALT PRODUCTS, CHEMICAL ADDITIVES FOR SPILL STABILIZATION, CURING, COMPOUNDS AND ADDITIVES. IN EVENT OF SPILL WHICH MAY BE HAZARDOUS, THE CONTRACTOR SHALL TAKE IMMEDIATE ACTION AND CONTACT THE FIRE DEPARTMENT AND NMED.

III. SANITARY WASTE

ALL SANITARY WASTE SHALL BE COLLECTED FROM THE CONSTRUCTION PORTABLE UNITS AS NECESSARY BY A LICENSED SANITARY WASTE MANAGEMENT CONTRACTOR. ALL WASTE MATERIAL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

IV. SPILL PREVENTION

THE FOLLOWING PRACTICES SHALL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURES OF MATERIALS TO STORM WATER RUNOFF.

V. GOOD HOUSEKEEPING

- A. STORE ONLY ENOUGH PRODUCTS REQUIRED TO DO THE JOB
- B. NEATLY STORE MATERIALS ON-SITE IN A SECURE MANNER
- C. KEEP PRODUCTS IN THEIR ORIGINAL CONTAINER
- D. DO NOT MIX SUBSTANCES WITH ANOTHER, UNLESS OTHERWISE RECOMMENDED BY THE MANUFACTURER
- E. USE ENTIRE CONTENTS OF A PRODUCT BEFORE DISPOSING OF THE CONTAINER
- F. FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR PROP USE AND DISPOSAL

VI. HAZARDOUS CONDITIONS

- PRACTICES TO REDUCE RISKS:
- A. KEEP PRODUCTS IN THEIR ORIGINAL CONTAINER IF AT ALL POSSIBLE
- B. RETAIN ORIGINAL LABELS, PRODUCT INFORMATION AND MATERIAL SAFETY DATA SHEETS (MSDS)
- C. DISPOSE SURPLUS PRODUCT IN ACCORDANCE WITH MANUFACTURERS

VII. PETROLEUM PRODUCTS

PRODUCTS SHALL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED, ANY ASPHALT SUBSTANCES USED ON-SITE SHALL BE APPLIED ACCORDING TO THE MANUFACTURER RECOMMENDATION.

VIII. SPILL CONTROL PRACTICES:

- A. MANUFACTURERS RECOMMENDED METHODS FOR SPILL CLEAN UP SHALL BE CLEARLY POSTED AND SITE PERSONNEL SHALL BE MADE
- B. MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP SHALL BE KEPT IN THE MATERIAL STORAGE AREA ON-SITE
- C. ALL SPILLS SHALL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY
- D. SPILL AREA SHALL BE WELL VENTILATED AND APPROPRIATE CLOTHING WILL BE WORN
- E. ANY SPILL SHALL BE REPORTED TO THE APPROPRIATE GOVERNMENTAL AGENCY
- F. MEASURES SHALL BE TAKEN TO PREVENT A SPILL FROM REOCCURRING

IX. MAINTENANCE AND INSPECTION PROCEDURES

ALL POLLUTION PREVENTION MEASURES SHALL BE INSPECTED AT LEAST ONCE EVERY 14 DAYS AND FOLLOWING A STORM EVENT OF 0.5 INCHES OR MORE BEST MANAGEMENT PRACTICES AND POLLUTION CONTROL PROCEDURES SHALL BE INSPECTED FOR ADEQUACY. A RECORD OF THE RESULTS OF THE INSPECTIONS OF THE SITE SHALL BE KEPT ON-SITE

X. REMARKS

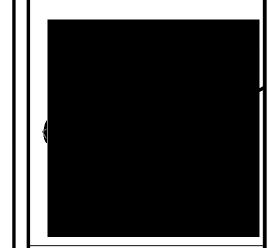
DISPOSAL AREAS, STOCKPILES, AND HAUL ROADS SHALL BE CONSTRUCTED IN A MANNER THAT WILL MINIMIZE AND CONTROL THE AMOUNT OF SEDIMENT THAT MAY ENTER RECEIVING WATERS, CONSTRUCTION STAGING AREAS AND VEHICLE MAINTENANCE AREAS SHALL BE CONSTRUCTED BY THE CONTRACTOR IN A MANNER TO MINIMIZE THE RUNOFF OF POLLUTANTS



Ph. 214-491-1830

John Measels, PE

CIVIL ENGINEER





CAR FIVE TAKE

JMCE
DESCRIPTION INITIAL SUBMITTAL
DATE 07/24/23
REV.

BENCHMARKS FLOODNOTE CAUTION NOTICE TO CONTRACTOR TBM; N=744,455.4397' E=2,133,279.8521; MAG NAIL FOUND THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF ACCORDING TO THE F.I.R.M. NO. 3720173400K, THE SUBJECT PROPERTY LIES IN ZONE X AND DOES NOT LIE WITHIN A FLOOD PRONE HAZARD AREA, PER MAP REVISION DATED EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE BASED ON RECORD'S OF THE VARIOUS ELEV.=249.66 (NAD83/NAVD88) UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE TBM; N=744,070.0571' E=2,133,322.3900; MAG NAIL FOUND JULY 19, 2022. INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR ELEV.=229.70 (NAD83/NAVD88) MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 7 DAYS BEFORE ANY EXCAVATION TBM; N=743,993.8481' E=2,133,552.3210; MAG NAIL FOUND TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE ELEV.=241.02 (NAD83/NAVD88) CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES HORIZONTALLY AND VERTICALLY WHICH TBM; N=744,128.0792' E=2,133,806.6069; MAG NAIL FOUND CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS. ELEV.=256.69 (NAD83/NAVD88) DROP INLET __GRATE=244.0' IE=233.7' TOP=234.1' /-(A)IE = 227.5'(B)IE=227.5' (C)IE=227.3'DROP INLET GRATE=233.3'-IE = 229.3'CAUTION: 2
EXISTING OVERHEAD & CAUTION:

EXISTING OVERHEAD &

UNDERGROUND UTILITIES CONSTRUCT 5' CURB INLET.
END 12" HDPE STORM DRAIN
AT INSIDE INLET FACE. 16.5 LF 12" HDPE ON 0.5% ON 0.5% CONSTRUCT 2'X2' GRATE INLET. CONSTRUCT 2'X2' GRATE INLET. 57.85 LF 12" HDPE ON 0.5% 77.8 LF 12" HDPE CONSTRUCT 2'X2' GRATE INLET. 35.2 LF 12" HDPE ON 0.5% 13.5 LF 12" HDPE ON 0.5% F.F.E. = 236.68CAR WASH BUILDING F.F.E. = 236.35-236.60 4.5 LF 6" HDPE ON 0.5% 4.5 LF 6" HDPE ON 0.5% ₃₉ FL 6" 233.35 FL 6" 233.35 CONSTRUCT 5' CURB INLET. +28 LF 12" HDPE ON END 12" HDPE STORM DRAIN AT INSIDE INLET FACE. 20' ALTERNATE LANDSCAPE B CONSTRUCT 2'X2' CONSTRUCT 2'X2' GRATE INLET. CONSTRUCT 2'X2' GRATE INLET. GRATE INLET.
 38.6 LF 8" HDPE
 12" HDPE -ON 0.5% ON 0.5% CONSTRUCT 5' CURB INLET. END 12" HDPE STORM DRAIN AT INSIDE INLET FACE. CONSTRUCT 1'x14' TRENCH DRAIN PER DETAIL SHEET C 710. \ DROP INLÈT GRATE=228.7'—

STORM DRAIN LEGEND:

PROPERTY LINE PROPOSED CURB & GUTTER ---- LIMITS OF FULL DEPTH SAWCUT ____XXX_____ EXISTING CONTOUR

STORM DRAIN PIPE ---- SAN> --- SANITARY SEWER LINE ---- W ---- WATER LINE ----- GAS LINE ELECTRIC SERVICE LINE

TELEPHONE SERVICE LINE

ADA RAMP □-
□ LIGHT POLE BOLLARD TRAFFIC SIGN

■ AREA DRAIN GREASE TRAP CLEAN-OUT

IM IRRIGATION METER SS MANHOLE CURB INLET

(IN FEET) 1 inch = 20 ft.

PIPING MATERIAL SCHEDULE

STORM SEWER - 12" OR LARGER (PRIVATE)

STORM SEWER — WITHIN PUBLIC EASEMENT OR RIGHT—OF—WAY.

STORM SEWER SMALLER THAN 12"

IE=224.2'\

GRATE=229.2'-IE=224.7'

DD DOUBLE CLEAN-OUT GM GAS METER WM WATER METER



1101 Central Expressway South

Suite 215

Allen, TX 75013

Ph. 214-491-1830

John Measels, PE

CIVIL ENGINEER

CAR

FIVE

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

SDR-35 PVC PER ATSM D3034

RCP, C-76, CLASS III

DUAL WALLED HDPE, AASHTO M252 &M294

CAUTION NOTICE TO CONTRACTOR THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 7 DAYS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES HORIZONTALLY AND VERTICALLY WHICH

CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.

1" METER 14

CAUTION:

EXISTING OVERHEAD &

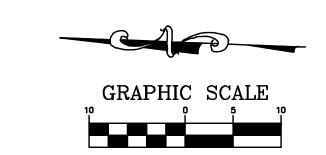
UNDERGROUND UTILITIES

BENCHMARKS TBM; N=744,455.4397' E=2,133,279.8521; MAG NAIL FOUND ELEV.=249.66 (NAD83/NAVD88) TBM; N=744,070.0571' E=2,133,322.3900; MAG NAIL FOUND

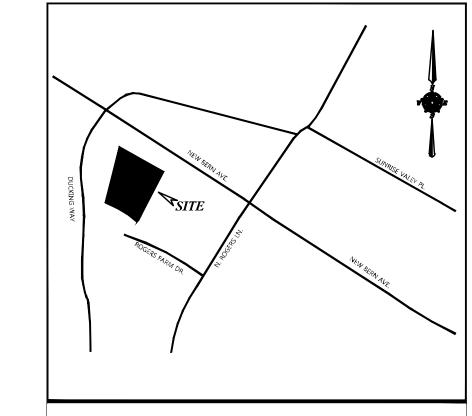
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ELEV.=229.70 (NAD83/NAVD88)

FLOODNOTE ACCORDING TO THE F.I.R.M. NO. 3720173400K, THE SUBJECT PROPERTY LIES IN ZONE X AND DOES NOT LIE WITHIN A FLOOD PRONE HAZARD AREA, PER MAP REVISION DATED JULY 19, 2022.



(IN FEET) 1 inch = 10 ft.



UTILITY KEY NOTES:

(1) SANITARY SEWER CLEAN-OUT.

SANITARY SEWER DOUBLE CLEAN-OUT.

(3) RECLAMATION TANKS. (UNIT SPECIFIC PER MEP)

LOCATION MAP NOT TO SCALE

(4) SAND/OIL INTERCEPTOR (UNIT SPECIFIC PER MEP)

SANITARY SEWER LINE. (SEE NOTE FOR TYPE, SIZE AND SLOPE)

SANITARY SEWER POINT OF ENTRY. (PER MEP PLANS)

SANITARY SEWER POINT OF CONNECTION. (CONTRACTOR TO FIELD VERIFY LOCATION AND ELEVATION)

SANITARY SEWER SAMPLE PORT

SANITARY SEWER WYE.

DOMESTIC WATER METER. (SEE NOTE FOR SIZE)

11) DOMESTIC WATER LINE. (SEE NOTE FOR SIZE)

DOMESTIC WATER LINE POINT OF ENTRY. (PER MEP PLANS)

DOMESTIC WATER LINE POINT OF CONNECTION.

(14) IRRIGATION WATER METER. (SEE NOTE FOR SIZE)

IRRIGATION WATER LINE. (SEE NOTE FOR SIZE)

IRRIGATION WATER LINE POINT OF CONNECTION.

CONTRACTOR SHALL COORDINATE WITH WATER UTILITY DEPARTMENT TO ENSURE THAT SERVICE IS NOT INTERRUPTED AT ANY TIME.

PROPOSED LIGHT POLE.

PAD MOUNTED TRANSFORMER.

UNDERGROUND ELECTRIC LINE. (COORDINATE WITH ELECTRIC COMPANY FOR CONDUIT SIZES)

METERING EQUIPMENT AND ELECTRIC LINE POINT OF ENTRY.

(PER MEP PLANS)
ELECTRIC LINE POINT OF CONNECTION.

UNDERGROUND TELEPHONE LINE $\sim 2-1$ " CONDUITS. (VERIFY SIZE WITH TELEPHONE COMPANY)

TELEPHONE LINE POINT OF ENTRY. (PER MEP PLANS)

TELEPHONE LINE POINT OF CONNECTION.

GAS METER.

GAS LINE. (PER GAS COMPANY STANDARDS)

GAS LINE POINT OF ENTRY. (PER MEP PLANS)

GAS LINE POINT OF CONNECTION.

MAINTAIN 12" MIN VERTICAL SEPARATION, AND 18" AT ALL WATER CROSSINGS

② STORM LINE .



1101 Central Expressway South Suite 215 Allen, TX 75013

Ph. 214-491-1830

John Measels, PE CIVIL ENGINEER

CAR TAKE FIVE

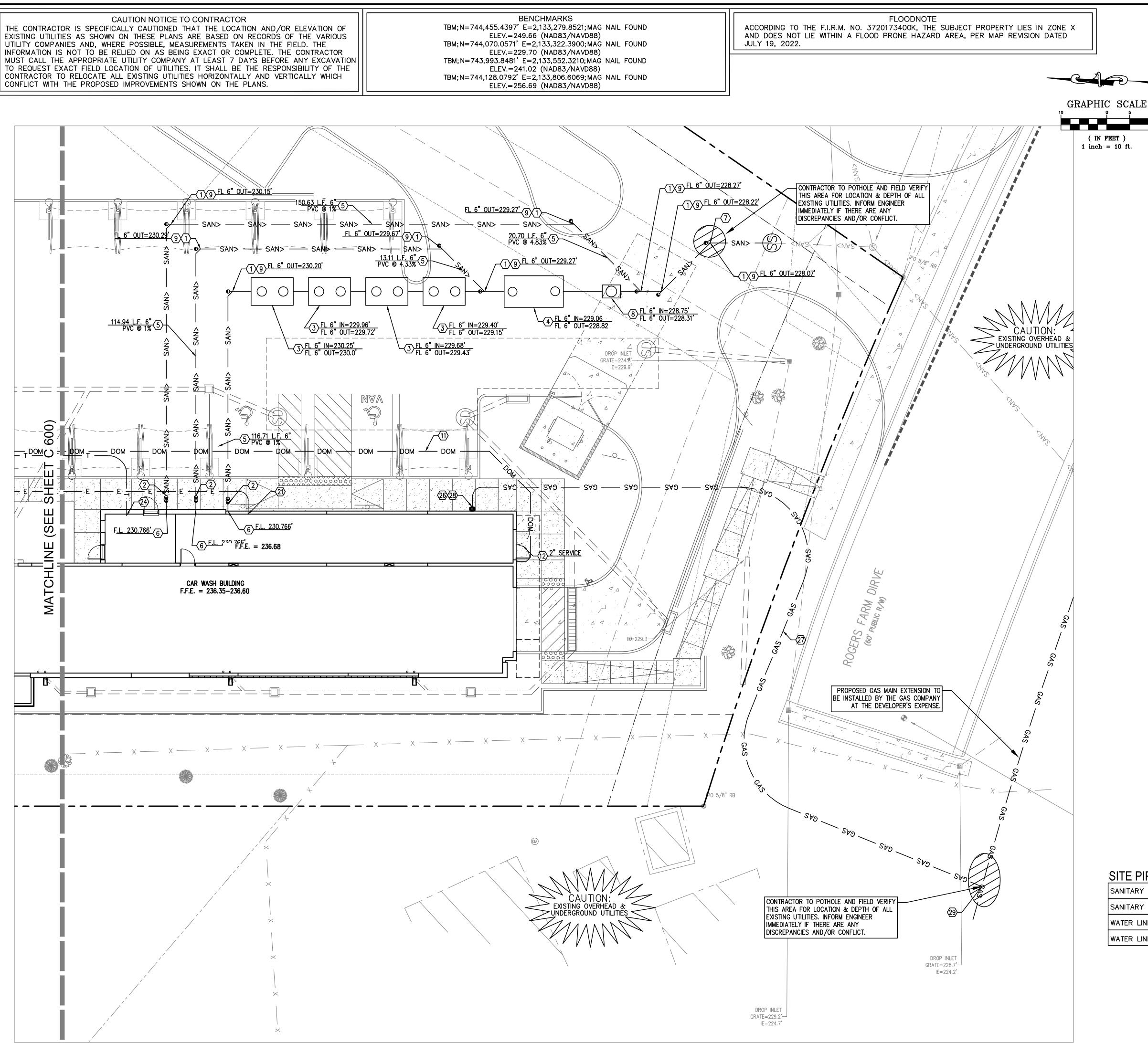
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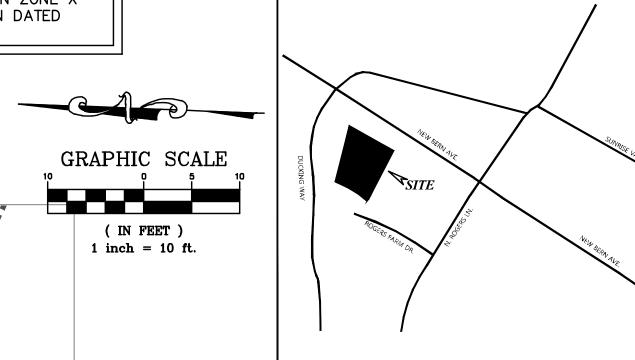
SITE PIPING MATERIAL SCHEDULE

OTTET IT IN O WIN THE TOTAL OUT IED C	/
SANITARY SEWER - SMALLER THAN 4"	SCHEDULE 40 PVC
SANITARY SEWER - 4" AND LARGER	SDR-26 PVC. PER ASTM D-3034.
WATER LINE SMALLER THAN 4"	SCHEDULE 40 PVC AS PER ATSM D1785
WATER LINE 4" - 12"	PVC CLASS 150, DR-18, AWWA C-900









LOCATION MAP NOT TO SCALE

UTILITY KEY NOTES:

(1) SANITARY SEWER CLEAN-OUT.

SANITARY SEWER DOUBLE CLEAN-OUT.

RECLAMATION TANKS

(4) SAND/OIL INTERCEPTOR (PER ARCH./MEP PLANS)

SANITARY SEWER LINE. (SEE NOTE FOR TYPE, SIZE AND SLOPE)

SANITARY SEWER POINT OF ENTRY. (PER MEP PLANS)

SANITARY SEWER POINT OF CONNECTION. (CONTRACTOR TO FIELD VERIFY LOCATION AND ELEVATION)

SANITARY SEWER SAMPLE PORT

SANITARY SEWER WYE.

DOMESTIC WATER METER. (SEE NOTE FOR SIZE)

DOMESTIC WATER LINE. (SEE NOTE FOR SIZE)

DOMESTIC WATER LINE POINT OF ENTRY. (PER MEP PLANS)

DOMESTIC WATER LINE POINT OF CONNECTION.

14 IRRIGATION WATER METER. (SEE NOTE FOR SIZE)

IRRIGATION WATER LINE. (SEE NOTE FOR SIZE)

IRRIGATION WATER LINE POINT OF CONNECTION.

CONTRACTOR SHALL COORDINATE WITH WATER UTILITY DEPARTMENT TO ENSURE THAT SERVICE IS NOT INTERRUPTED AT ANY TIME.

PROPOSED LIGHT POLE.

PAD MOUNTED TRANSFORMER.

UNDERGROUND ELECTRIC LINE. (COORDINATE WITH ELECTRIC COMPANY FOR CONDUIT SIZES) METERING EQUIPMENT AND ELECTRIC LINE POINT OF ENTRY.

(PER MEP PLANS)

22 ELECTRIC LINE POINT OF CONNECTION.

UNDERGROUND TELEPHONE LINE $\sim 2-1$ " CONDUITS. (VERIFY SIZE WITH TELEPHONE COMPANY)

TELEPHONE LINE POINT OF ENTRY. (PER MEP PLANS)

TELEPHONE LINE POINT OF CONNECTION.

GAS METER.

GAS LINE. (PER GAS COMPANY STANDARDS)

GAS LINE POINT OF ENTRY. (PER MEP PLANS)

GAS LINE POINT OF CONNECTION.

MAINTAIN 12" MIN VERTICAL SEPARATION, AND 18" AT ALL WATER CROSSINGS

SITE PIPING MATERIAL SCHEDULE

OTTET IN INCOMPLETABLE		
	SANITARY SEWER - SMALLER THAN 4"	SCHEDULE 40 PVC
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	WATER LINE SMALLER THAN 4"	SCHEDULE 40 PVC AS PER ATSM D1785
	WATER LINE 4" - 12"	PVC CLASS 150, DR-18, AWWA C-900



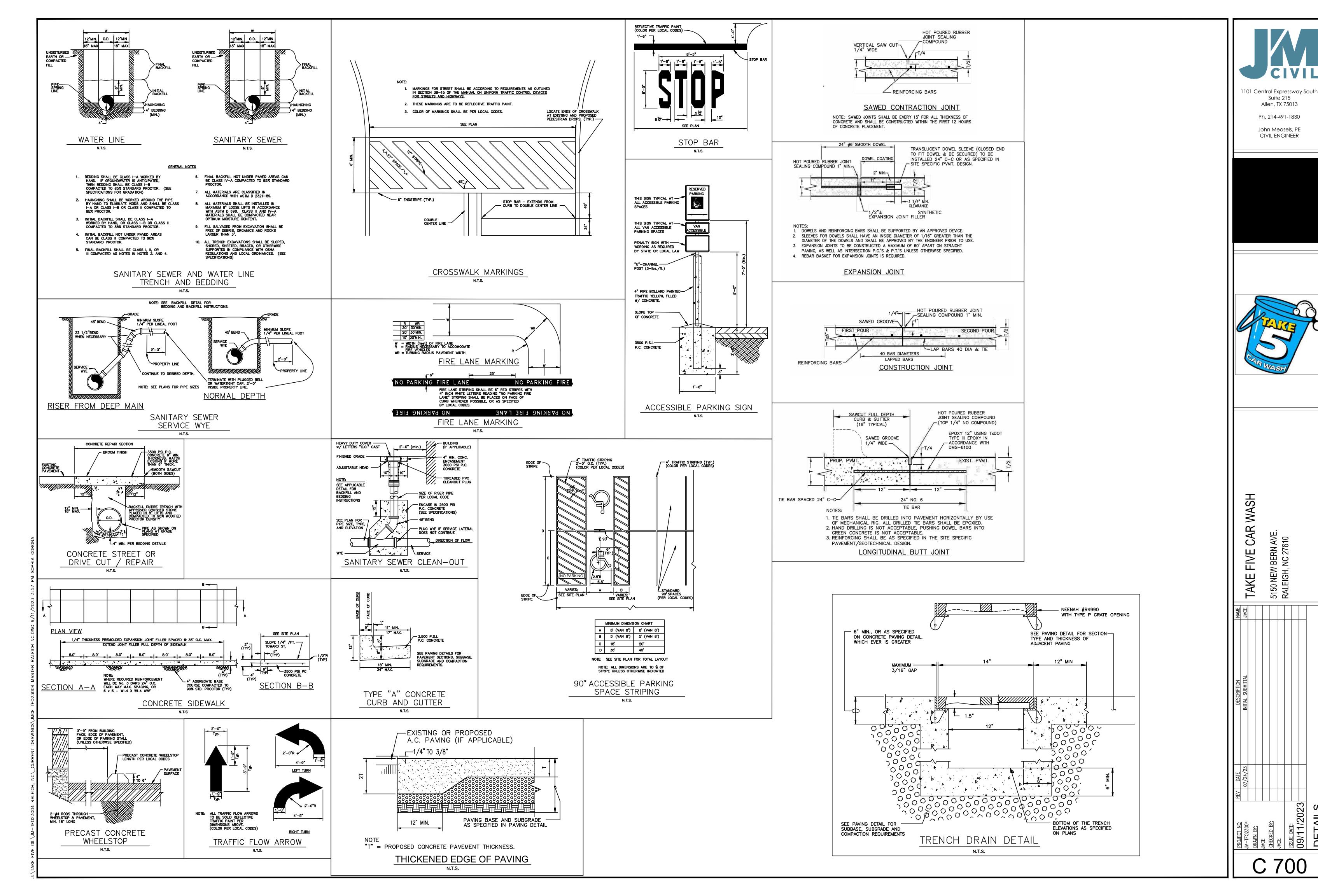


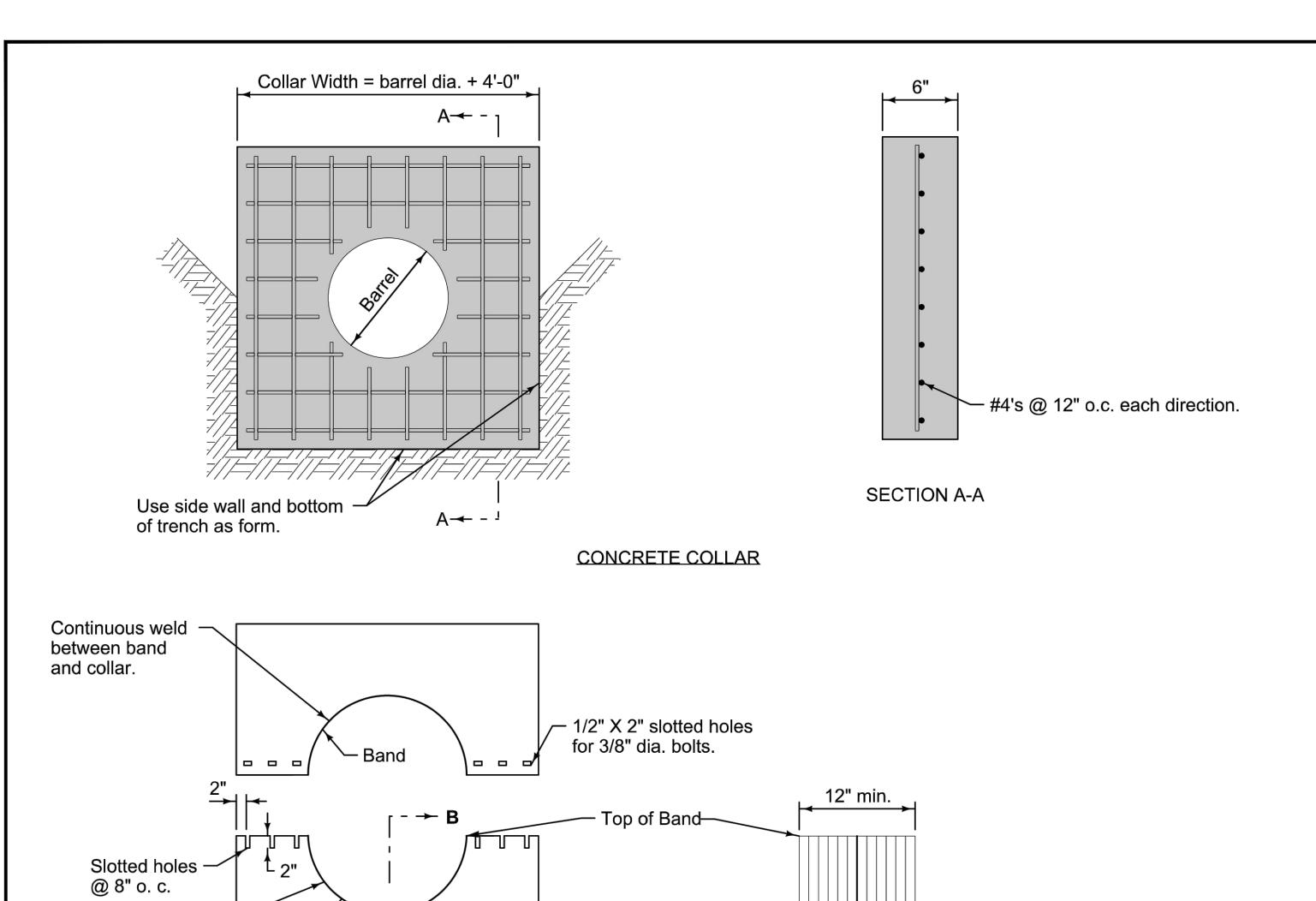
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CAR FIVE





CMP COLLAR

- Bottom of Collar-

Bottom of Band

 Corrugated metal sheet welded to center of band.

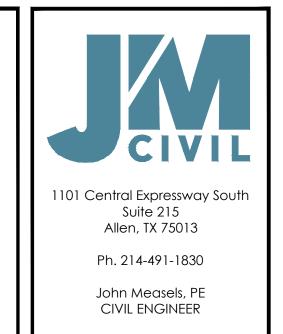
Continuous weld

between band and collar.

_____Band —∕

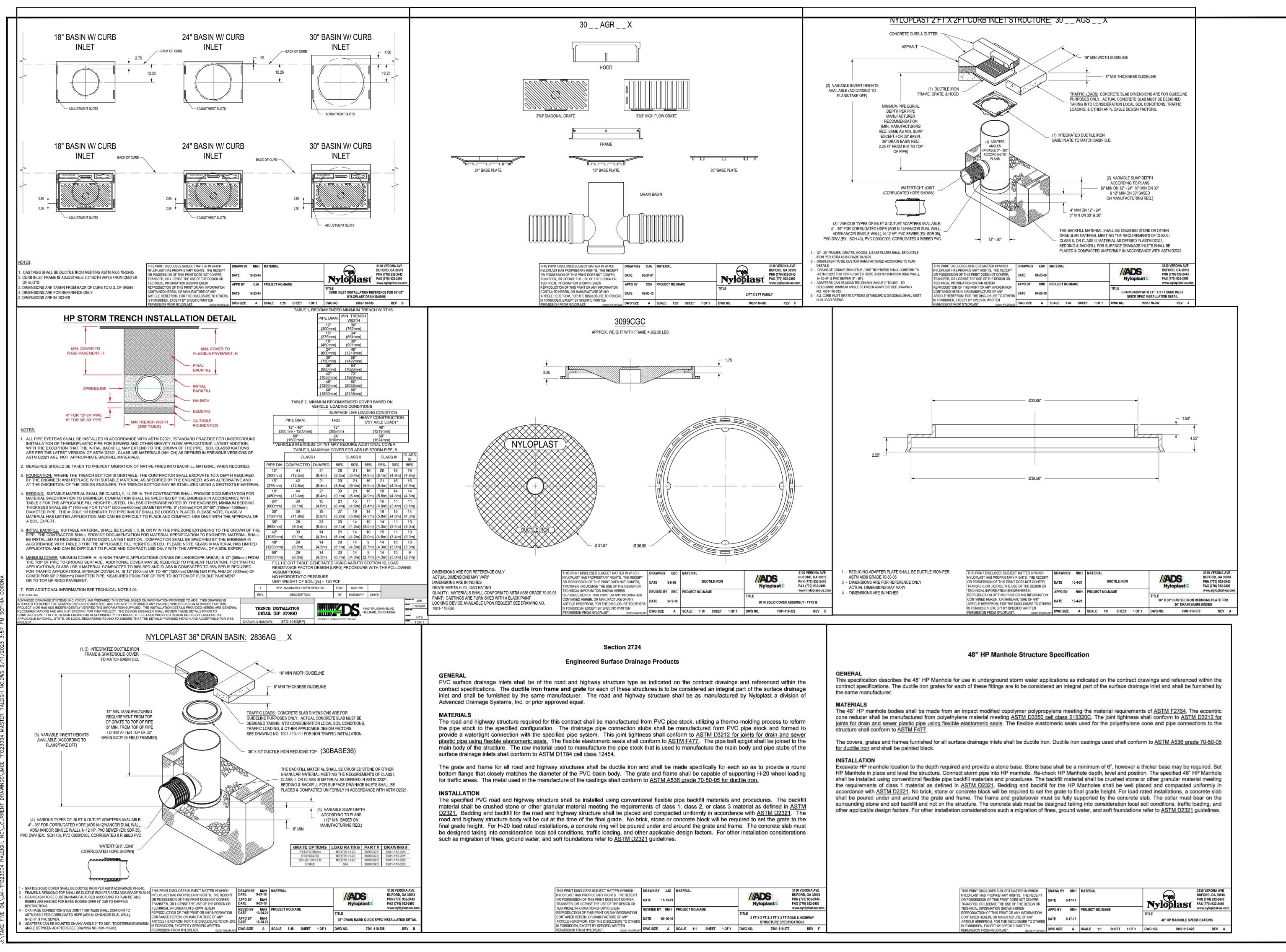
l - → B

Collar Width = barrel dia. + 4'-0"





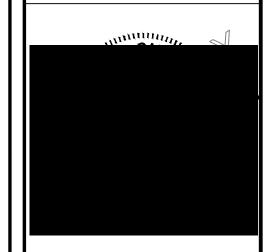
TAKE FIVE CAR WASH
5150 NEW BERN AVE.



1101 Central Expressway South Suite 215 Allen, TX 75013 Ph. 214-491-1830

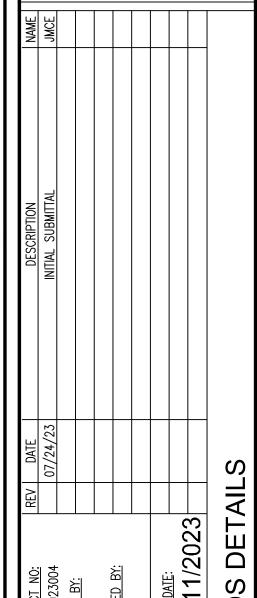
John Measels, PE

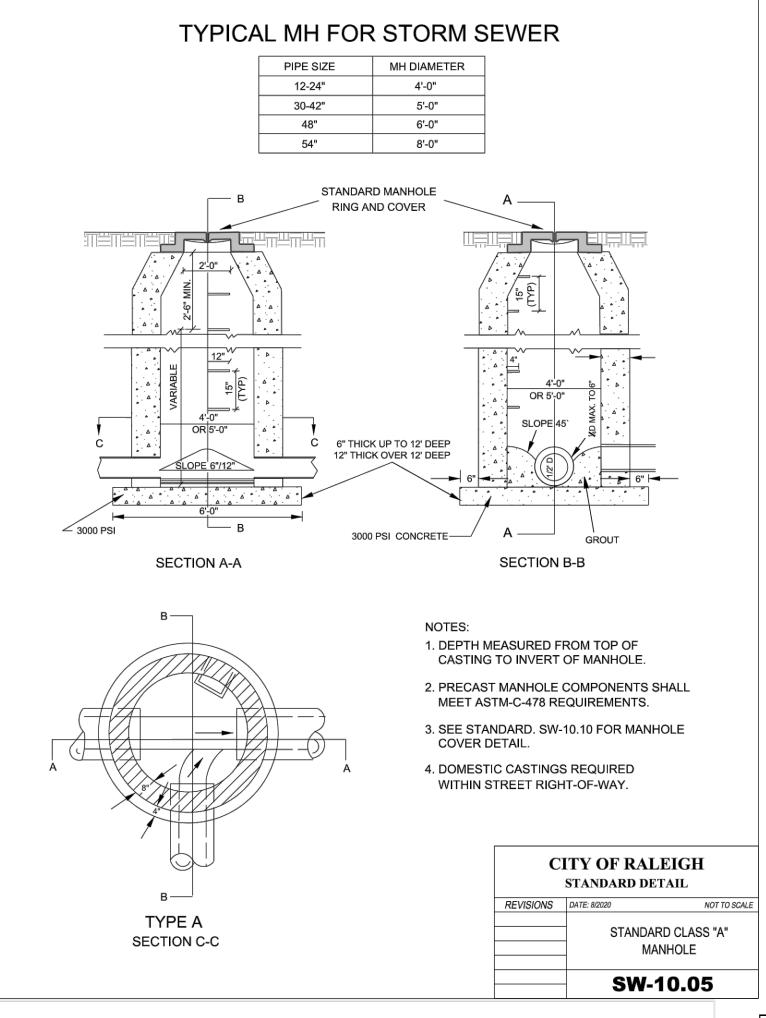
CIVIL ENGINEER

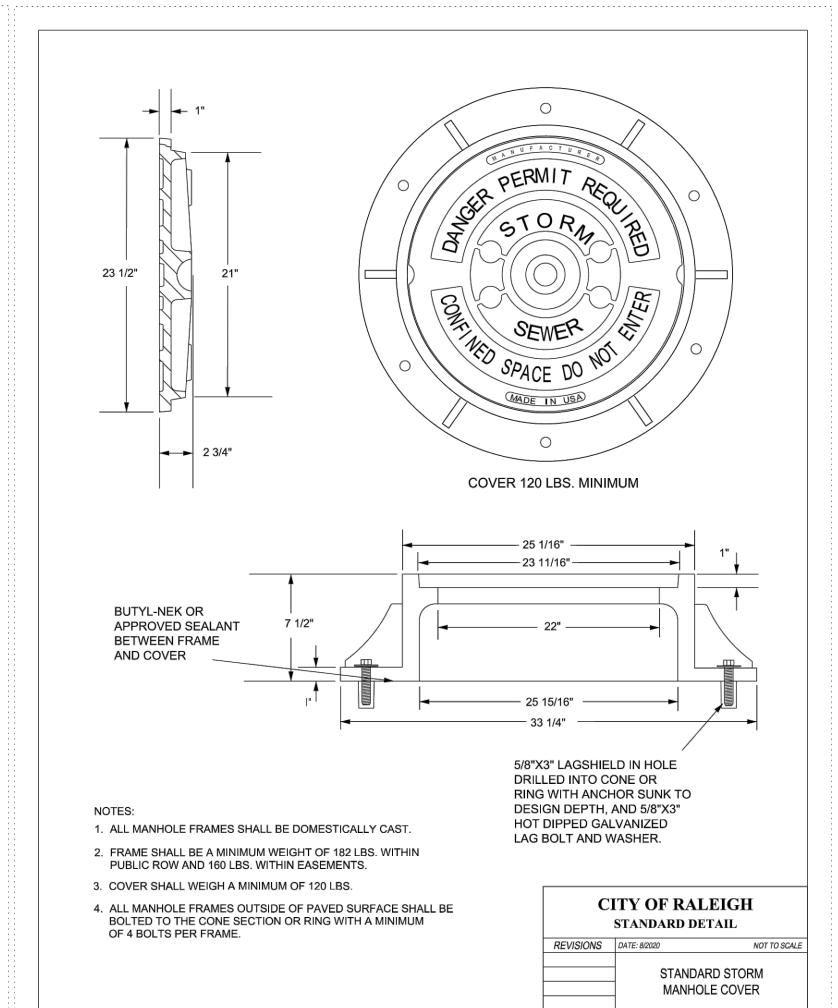




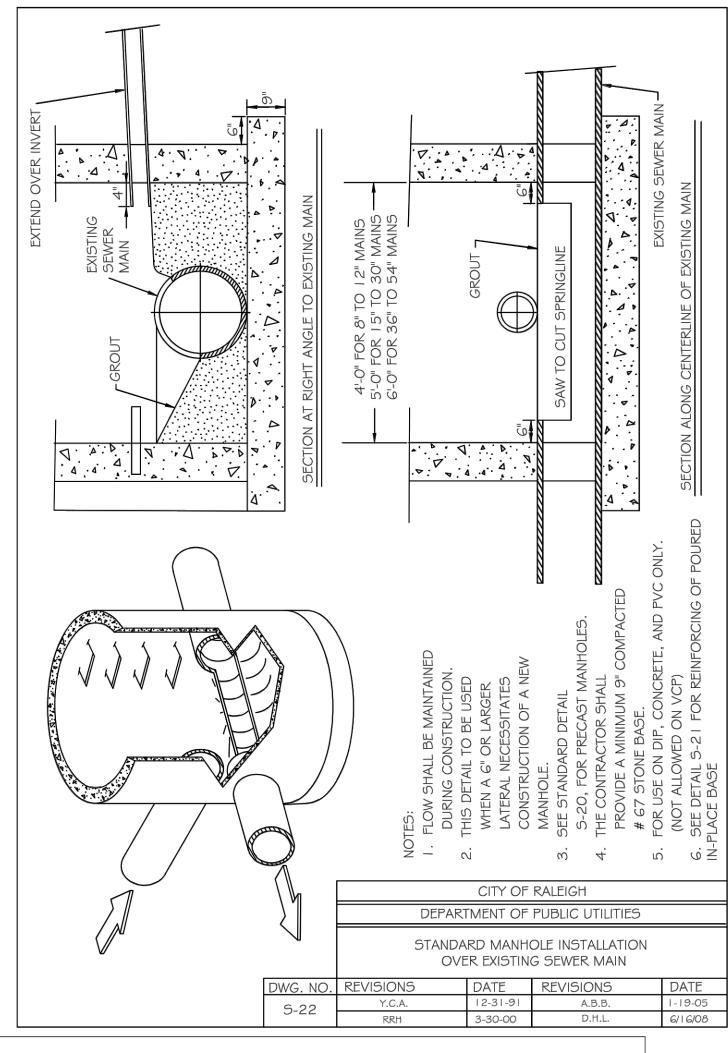
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5150 NEW BERN AVE.

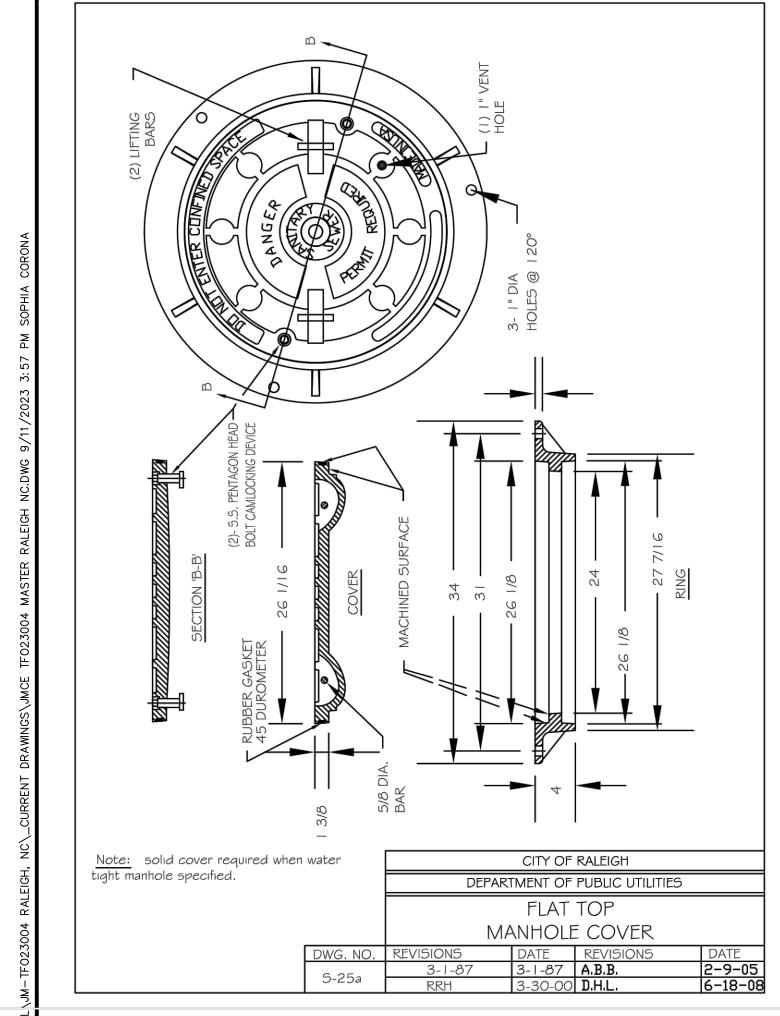


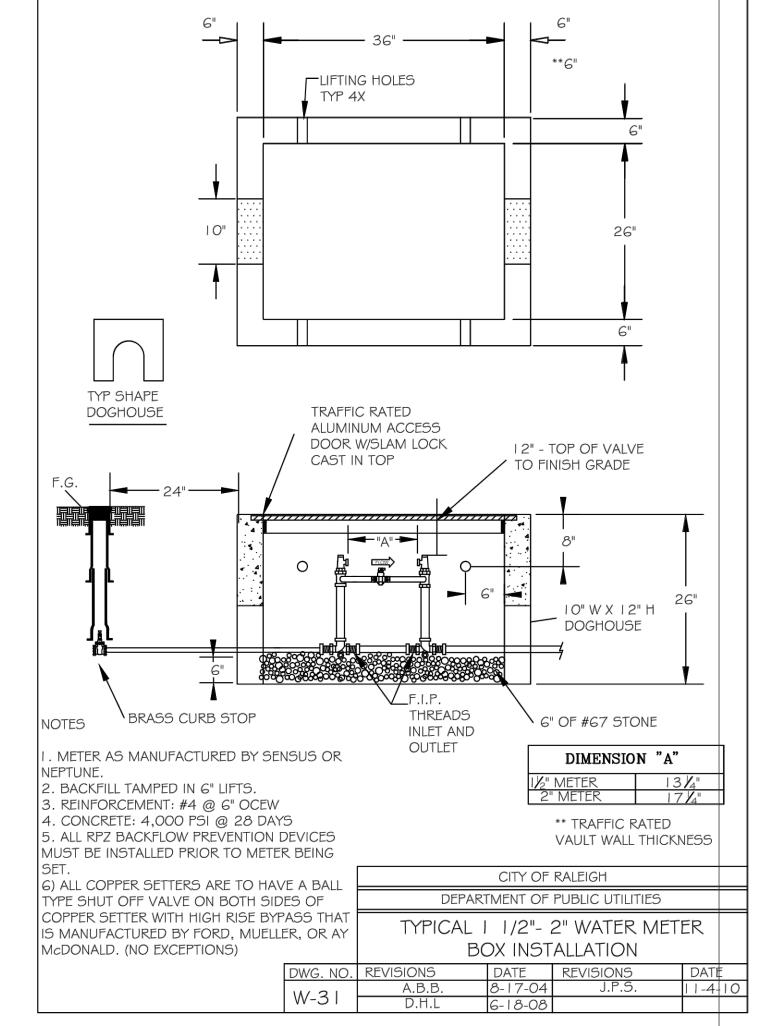


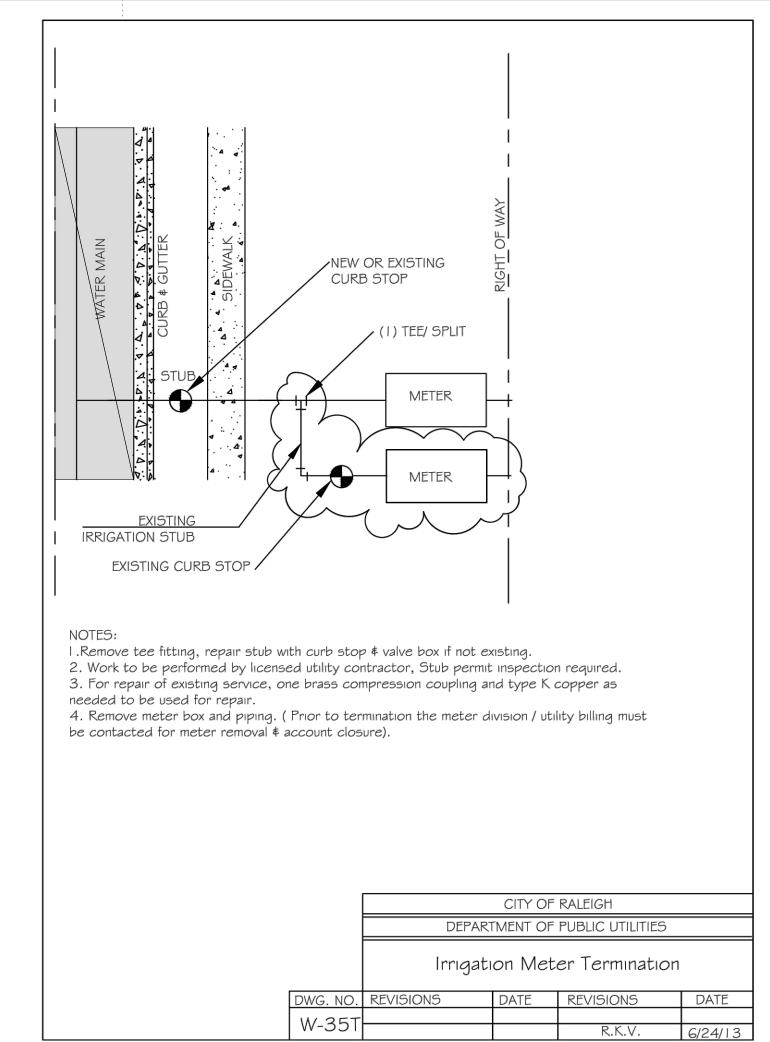


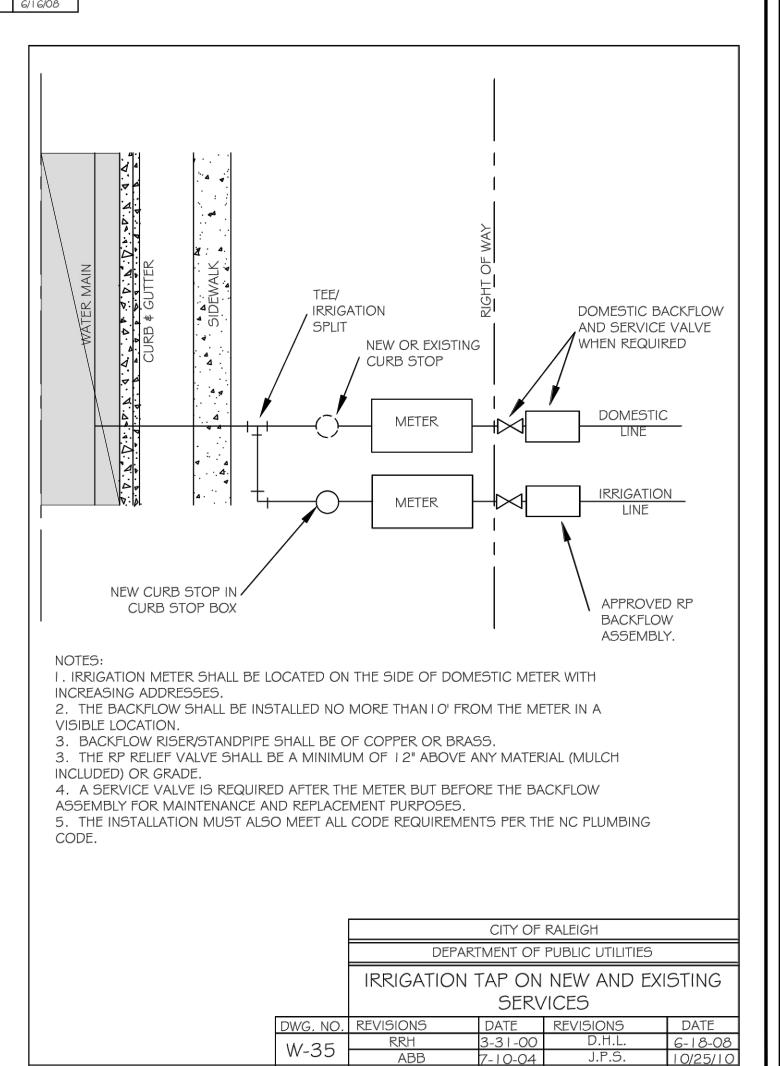
SW-10.10

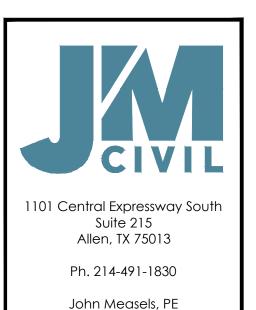




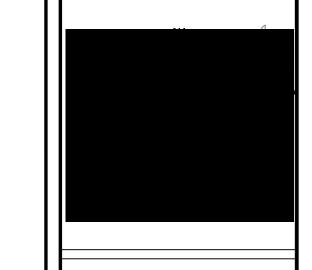








CIVIL ENGINEER





| TAKE FIVE CAR | DESCRIPTION | NAME | TAKE FIVE CAR | DESCRIPTION | NAME | DETAILS | DESCRIPTION | NAME | DESCRIP