



STARBUCKS 16506 NORTH NEBRASKA AVENUE LUTZ, FLORIDA 33549

JURISDICTION: HILLSBOROUGH COUNTY
FOLIO #: 015780-0156
SECTION 25, TOWNSHIP 27 SOUTH, RANGE 18 EAST
ZONING : COMMERCIAL GENERAL (CG)

VERTICAL DATA IS BASED ON NAVD (NORTH AMERICAN VERTICAL DATUM) 1988

REVISION	DATE	REVISION	DATE
△ FDOT COMMENTS	02-05-24		

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PROJECT REVISIONS

REV. NO.	DATE	DESCRIPTION	SHEETS	BY
1	10-25-23	COUNTY COMMENTS	C0, C2, C3, C4, C6.1, C6.2, L1, L2, L3, SURVEY	SR
2	11-13-23	FDOT LANDSCAPE COMMENTS	C2, C6.2	SR
3	11-13-23	SWFWMD COMMENTS	C6.3	SR
4	01-25-24	COUNTY COMMENTS	C2, C4	SR
5	02-05-24	FDOT COMMENTS	C1.1, C1.2, C2.2, C2.3, C4.1, C4.2, C6.2, C8	SR
6	02-05-24	COUNTY WRD UTILITY COORDINATION	C1, C3, C6.2, C7.1	SR

LEGAL DESCRIPTION

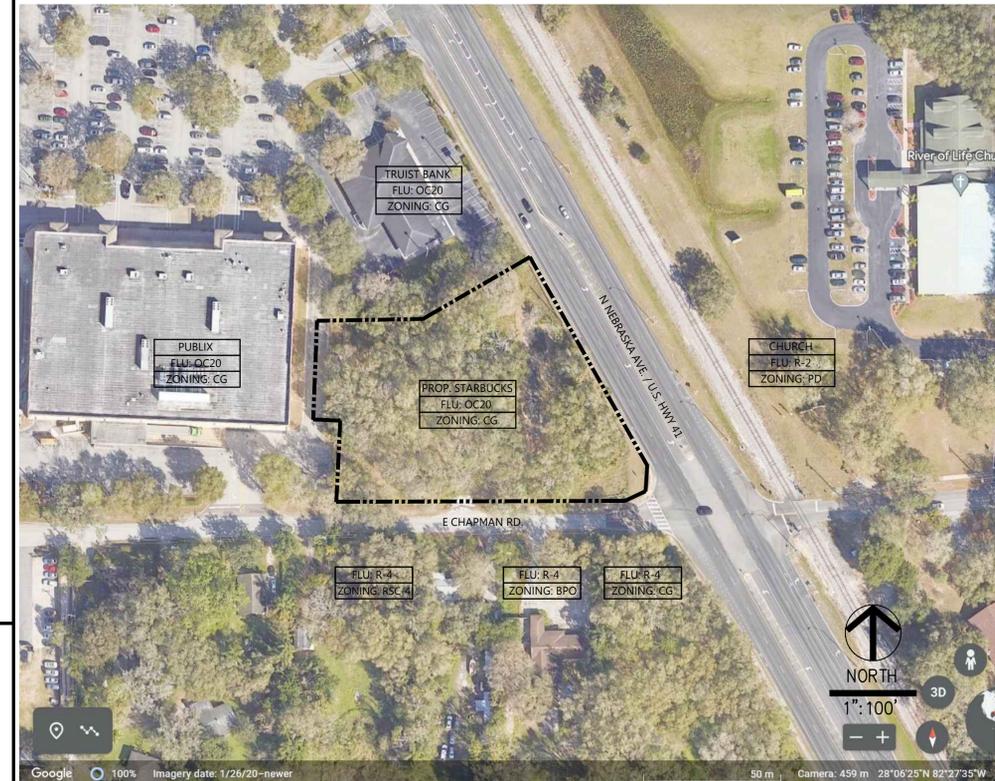
LOT 3, APEX COMMERCIAL CENTER, ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK 93, PAGE 94, OF THE PUBLIC RECORDS OF HILLSBOROUGH COUNTY, FLORIDA.

LESS AND EXCEPT:

THAT CERTAIN PARCEL OF LAND CONTAINED IN THE WARRANTY DEED TO HILLSBOROUGH COUNTY, A POLITICAL SUBDIVISION OF THE STATE OF FLORIDA RECORDED IN OFFICIAL RECORDS BOOK 18590, PAGE 629, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTHWEST CORNER OF LOT 3, APEX COMMERCIAL CENTER, ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK 93, PAGE 94, OF THE PUBLIC RECORDS OF HILLSBOROUGH COUNTY, FLORIDA, THENCE RUN NORTH 02°41'43" EAST ALONG THE WEST LINE OF SAID LOT 3, A DISTANCE OF 10.02 FEET; THENCE DEPARTING SAID WEST LINE RUN NORTH 89°01'05" EAST, A DISTANCE OF 344.70 FEET TO THE SOUTHEASTERLY LINE OF SAID LOT, SAID LINE ALSO BEING THE EXISTING NORTHERLY RIGHT OF WAY LINE OF CHAPMAN ROAD; THENCE RUN SOUTH 66°54'31" WEST ALONG SAID LINE, A DISTANCE OF 26.57 FEET TO THE SOUTH LINE OF SAID LOT 3, THENCE RUN SOUTH 89°01'05" WEST ALONG SAID LINE, A DISTANCE OF 320.73 FEET TO THE POINT OF BEGINNING.

VICINITY MAP NTS



STARBUCKS
16506 NEBRASKA AVENUE
LUTZ, FLORIDA

DATE: 08-04-23
DRAWN: SR
CHECKED: SC

CV
COVER SHEET

PROJECT NO.: 2021.187

DEMOLITION NOTES

- PRIOR TO THE START OF CONSTRUCTION THE CONTRACTOR SHALL COORDINATE ACTIVITIES WITH ALL UTILITY SERVICE PROVIDERS IN THE AREA. THE LOCATION OF ALL EXISTING UTILITIES SHOULD BE VERIFIED PRIOR TO ANY EXCAVATION ACTIVITIES.
- THE CONTRACTOR SHALL COMPLETELY REMOVE AND DISPOSE OF ALL STRUCTURES AND OTHER IMPROVEMENTS AS NOTED ON THE PLANS. THIS INCLUDES FOUNDATIONS, TIMBER, BRUSH, STUMPS, ROOTS, PAVEMENT AND BASE MATERIAL AND OTHER STRUCTURES AS SHOWN OR REASONABLY IMPLIED IN THE DRAWINGS.
- WHERE EXISTING BUILDINGS ARE TO BE DEMOLISHED, ALL TRACES OF FOUNDATIONS AND UNDERGROUND UTILITIES ARE TO BE REMOVED (UNLESS OTHERWISE NOTED ON PLANS). THE CONTRACTOR IS RESPONSIBLE FOR PROPER DISPOSAL OF ALL WASTE MATERIAL.
- WHERE PAVING OR STRUCTURES ARE TO BE REMOVED WHICH ABOUT OR ARE A PART OF CONNECTED FACILITIES (THAT ARE OFF-SITE), ANY DAMAGE THAT MIGHT RESULT FROM DEMOLITION IS TO BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN EXISTING UNLESS SPECIFICALLY EXEMPTED BY THE PLANS. THE COST FOR SUCH RESTORATION SHALL BE INCIDENTAL TO OTHER CONSTRUCTION AND NO EXTRA COMPENSATION WILL BE ALLOWED.
- THE LOCATION OF ALL EXISTING UTILITIES AND TREES SHOWN ON THE PLANS HAVE BEEN DETERMINED BASED UPON THE BEST AVAILABLE INFORMATION. THE ENGINEER AND OWNER ASSUME NO RESPONSIBILITY FOR ACCURACY. ALL UTILITIES, SURFACE IMPROVEMENTS AND TREE LOCATIONS SHOULD BE VERIFIED BY THE CONTRACTOR.
- THE CONTRACTOR SHALL COORDINATE THE RELOCATION OR REMOVAL OF ALL OVERHEAD/UNDERGROUND UTILITIES, UTILITY POLES, LIGHTS AND LINES IN THE RIGHT-OF-WAY AND ON THE PROPERTY WITH THE APPROPRIATE SERVICE PROVIDER.
- THE CONTRACTOR SHALL REFERENCE AND RESTORE PROPERTY CORNERS AND LAND MARKERS DISTURBED DURING CONSTRUCTION. (UNDER THE DIRECTION OF A REGISTERED LAND SURVEYOR).
- ALL EROSION CONTROL MEASURES NOTED BELOW AND IN THE PLANS SHOULD BE IN PLACE PRIOR TO THE START OF DEMOLITION.

EROSION CONTROL NOTES

ALL EROSION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL COMPLETION OF CONSTRUCTION.

- ALL EROSION AND SEDIMENT CONTROL WORK SHALL CONFORM WITH LOCAL CITY/COUNTY AND WATER MANAGEMENT DISTRICT SPECIFICATIONS, SUBJECT TO AUTHORIZED AND APPROVED VARIANCES, WAIVERS AND/OR CONDITIONAL CHANGES.
- EROSION AND SEDIMENT CONTROL MEASURES SHALL BE PLACED PRIOR TO OR AS THE FIRST STEP IN CONSTRUCTION. SEDIMENT CONTROL PRACTICES WILL BE APPLIED AS A PERIMETER DEFENSE AGAINST ANY TRANSPORTATION OF SILT OFF THE SITE.
- ALL AREAS AFFECTED BY THIS WORK SHALL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN EXISTING CONDITION, UNLESS SPECIFICALLY EXEMPTED BY THE PLANS. THE COST FOR SUCH RESTORATION SHALL BE INCIDENTAL TO OTHER CONSTRUCTION AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.
- THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY DISCREPANCIES BETWEEN THESE PLANS AND FIELD CONDITIONS PRIOR TO CONSTRUCTION.
- PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL PROVIDE TREE PROTECTION BARRIERS TO MEET THE REQUIREMENTS OF LOCAL SPECIFICATIONS.
- THE CONTRACTOR SHALL SELECTIVELY CLEAR ONLY THE AREAS REQUIRED FOR CONSTRUCTION AND STABILIZE ANY POTENTIAL EROSION AREAS IMMEDIATELY FOLLOWING COMPLETION OF CONSTRUCTION.
- CONTRACTOR SHALL KEEP ANY AND ALL SAND, SILT OR OTHER DEBRIS FROM MOVING OFF-SITE. USE AND MAINTAIN SILT FENCE JUST INSIDE THE LIMITS OF CONSTRUCTION.
- CONTRACTOR SHALL BLOCK INTRUSION OF SAND, SILT OR OTHER DEBRIS INTO ANY DRAINAGE OR SANITARY SEWER STRUCTURE OR PIPING ON OR ADJACENT TO THE SITE.
- ALL CLEARED AREAS FOR IMPROVEMENT AND/OR CONSTRUCTION SHALL BE WATERED TO PREVENT WIND EROSION.
- FOR ADDITIONAL INFORMATION AND DETAILS, SEE STATE OF FLORIDA EROSION AND SEDIMENT CONTROL MANUAL.
- UNLESS SPECIFIED, SILT FENCES MAY BE USED IN LIEU OF SYNTHETIC BARRIERS.
- ADDITIONAL POSTS AND RAILS MAY BE NECESSARY TO SECURE AND SUPPORT BARRIERS.
- ADDITIONAL BARRIER LENGTHS MAY BE REQUIRED BY THE GOVERNING JURISDICTION OR BY OTHER REGULATORY AGENCIES.
- FILTER FABRIC MUST BE INSTALLED UNDER ALL INLET GRATES, AT ALL TIMES WHEN INLETS ARE NOT PROTECTED BY SILT FENCE OR SYNTHETIC BALES/WATLES, UNTIL THE LIMEROCK BASE IS FINISHED AND PRIMED.

UTILITY DISINFECTING & TESTING NOTES

WATER MAINS THAT ARE INCLUDED IN THIS PROJECT THAT WILL BE CONSTRUCTED OF POLYVINYL CHLORIDE PIPE WILL BE PRESSURE AND LEAKAGE TESTED IN ACCORDANCE WITH AWWA STANDARD C600. ALL OTHER WATER MAINS INCLUDED IN THIS PROJECT WILL BE PRESSURE AND LEAKAGE TESTED IN ACCORDANCE WITH AWWA STANDARD C600.

LEAKAGE TESTS ARE REQUIRED AS FOLLOWS: 1) THE LEAKAGE EXFILTRATION OR INFILTRATION DOES NOT EXCEED 200 GALLONS PER INCH OF PIPE DIAMETER PER MILE PER DAY FOR ANY SECTION OF THE PIPE; 2) EXFILTRATION OR INFILTRATION TESTS BE PERFORMED WITH A MINIMUM POSITIVE HEAD OF 2 FEET; 3) AIR TESTS, AS A MINIMUM, CONFORM TO THE TEST PROCEDURE DESCRIBED IN ASTM C 828 FOR CLAY PIPE, ASTM C 924 FOR CONCRETE PIPE, ASTM F-1417 FOR PLASTIC PIPE, AND FOR OTHER MATERIALS APPROPRIATE TEST PROCEDURES.

DISINFECTION OF THE WATER DISTRIBUTION SYSTEM SHALL BE PERFORMED IN ACCORDANCE WITH AWWA C651 DISINFECTING WATER MAINS. SATISFACTORY BACTERIOLOGICAL TEST RESULTS SHALL BE SUBMITTED TO ENGINEER PRIOR TO FINAL CERTIFICATION.

THE CONTRACTOR SHALL MAKE PROVISIONS TO PROTECT THE ACTIVE EXISTING MAIN FROM BACKFLOW CONTAMINATION DURING FILLING, FLUSHING, AND TESTING OF THE NEW MAIN, AS SPECIFIED IN AWWA C651-92.

CONTRACTOR SHALL UTILIZE VALVES TO SUPPLY WATER FOR FLUSHING AND DISINFECTION.

UTILITY NOTES

PRIOR TO COMMENCING ANY CONSTRUCTION, THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITIES, INCLUDING WITHOUT LIMITATION POTABLE WATER, RECLAIMED WATER, SANITARY SEWER, AND SERVICE UTILITIES, AT POINTS OF CONNECTION, POINTS OF CROSSING, AND/OR POTENTIAL CONFLICT. NOTIFY ENGINEER OF ANY DISCREPANCIES BETWEEN THE PLANS AND FIELD CONDITIONS.

A. GENERAL

- THE LOCATIONS OF EXISTING UTILITIES, SUCH AS WATER MAINS, SEWERS, GAS LINES, ETC., SHOWN ON THE PLANS ARE BASED ON THE BEST AVAILABLE INFORMATION AND ARE SHOWN FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER AND OWNER ASSUME NO LIABILITY FOR ACCURACY AND COMPLETENESS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT ALL UTILITY COMPANIES AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION OR DEMOLITION AND TO HAVE THEIR FACILITIES LOCATED IN THE FIELD PRIOR TO ANY WORK.
- DUE TO GRAPHIC LIMITATIONS OF THE DRAWING SCALE, ALL STORM SEWER, DRAINAGE, WATER AND SANITARY SEWER MAINS, SERVICES, LATERALS, CONNECTIONS, AND APPURTENANCES DEPICTED HEREIN – UNLESS OTHERWISE LOCATED BY DIMENSIONS – REFLECT SCHEMATIC LOCATIONS ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FINAL LOCATIONS DURING THE CONSTRUCTION AND INSTALLATION OF THE PROPOSED IMPROVEMENTS, INCLUDING ANY REQUISITE COORDINATION WITH THE RESPECTIVE GOVERNING AGENCY/UTILITY PROVIDER.
- ALL WATER AND SEWER CONSTRUCTION SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF HILLSBOROUGH COUNTY PUBLIC UTILITIES, AND WILL BE SUBJECT TO THEIR INSPECTION AND ACCEPTANCE.
- CONTRACTOR SHALL INSPECT PIPING AND MATERIALS BEFORE INSTALLATION TO DETECT APPARENT DEFECTS. MARK DEFECTIVE MATERIALS WITH WHITE PAINT AND PROMPTLY REMOVE FROM SITE.
- LAY SEWER PIPING BEGINNING AT LOW POINT OF SYSTEM (CONNECTION TO OFF SITE SYSTEM OR PUMP STATION), TRUE TO GRADES AND ALIGNMENT INDICATED WITH UNBROKEN CONTINUITY OF INVERTS. PLACE BELL ENDS OR GROOVE ENDS OF PIPING FAING UPSTREAM.
- CLEAR INTERIOR OF PIPE OF DIRT AND OTHER SUPERFLUOUS MATERIAL AS WORK PROGRESSES. MAINTAIN SWAB OR DRAG IN LINE AND PULL PAST EACH JOINT AS IT IS COMPLETED. PLACE PLUGS IN ENDS OF UNCOMPLETED CONDUIT WHENEVER WORK STOPS.
- MAINTAIN 36" COVER OVER MAINS, AND 30" OVER SERVICES/LATERALS UNLESS OTHERWISE NOTED.
- WHEN PROPOSED CONSTRUCTION OCCURS AT EXISTING MANHOLES, INLETS, VAULTS, AND OTHER STRUCTURES, THE CONTRACTOR SHALL MODIFY THE STRUCTURES, FRAMES, AND GRATES TO MEET THE PROPOSED GRADES UNLESS OTHERWISE DIRECTED.
- INSTALL CONTINUOUS LOCATOR TAPE/WRE, LOCATED DIRECTLY OVER POTABLE WATER MAINS AND SANITARY SEWER MAINS AT 6" TO 8" ABOVE PIPE.
- WHERE APPLICABLE, UTILITY TRENCHES CROSSING PAVEMENT AREAS SHALL BE BACK FILLED WITH COMPACTED GRANULAR MATERIAL IN ACCORDANCE WITH A.A.S.H.T.O.–1–99.
- CONTRACTOR SHALL PROVIDE SLEEVES FOR IRRIGATION LINES AND SITE LIGHTING UNDER PAVEMENT. COORDINATE WITH GENERAL CONTRACTOR.
- ALL TRENCHES EXCAVATED FOR THE PURPOSES OF UTILITY/STORM INSTALLATION SHALL BE KEPT DRY FOR THE DURATION OF UTILITY/STORM CONSTRUCTION. DEWATERING OF UTILITY/STORM TRENCHES MAY BE REQUIRED TO PREVENT FLOATATION OF UTILITY/STORM PIPES DURING INSTALLATION.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER WHEN CONSTRUCTION IS COMPLETE FOR WATER, WASTEWATER AND STORMWATER SYSTEMS SO TIMELY CERTIFICATIONS MAY BE INITIATED. SATISFACTORY BACTERIOLOGICAL TEST RESULTS, PRESSURE TEST RESULTS, AND AN AS-BUILT SURVEY SHALL BE SUBMITTED TO ENGINEER PRIOR TO FINAL CERTIFICATION.
- SUITABLE COUPLINGS COMPLYING WITH ASTM SPECIFICATIONS ARE REQUIRED FOR JOINING DISSIMILAR MATERIALS.
- DEFLECTION TESTS ARE REQUIRED FOR ALL FLEXIBLE PIPE. TESTING REQUIREMENTS: 1) NO PIPE SHALL EXCEED A DEFLECTION OF 5% (2) USING A RIGID BALL OR MANDREL FOR THE DEFLECTION TEST WITH A DIAMETER NOT LESS THAN 95% OF THE BASE INSIDE DIAMETER OR AVERAGE INSIDE DIAMETER OF THE PIPE; 3) PERFORMING THE TEST WITHOUT MECHANICAL PULLING DEVICES.

B. MATERIALS (WATER)

- SERVICE PIPE SHALL BE POLYETHYLENE (PE) TUBING, DR9 MINIMUM.
- WATER MAINS SHALL BE PVC ASTM C900, DR 14 WITH INTEGRAL BELLS AND ELASTOMERIC JOINTS PER ASTM C3139 AND GASKETS PER ASTM F477.
- DUCTILE IRON PIPE (D.I.P.), IF REQUIRED, SHALL CONFORM TO ANSI/AWWA A21.51/C151, CLASS 50 (MIN.) PIPE FOR ALL SIZES.
- CORPORATION STOPS SHALL BE BRASS, SIZED TO MATCH THE TAP DIAMETER, EQUIPPED WITH CONNECTIONS COMPATIBLE WITH SERVICE PIPE AND THREADED IN ACCORDANCE WITH SPECIFICATIONS IN AWWA C800. CURB STOPS SHALL BE SIZED TO MATCH THE METER SIZE AND CONFORM WITH AWWA C800 AND AWWA C901.
- FITTINGS SHALL BE BRASS, CAST AND MACHINED IN ACCORDANCE WITH AWWA C800 AND AWWA C901, WITH COMPATIBLE PIPE CONNECTIONS.
- TAPPING SADDLES SHALL BE USED FOR ALL SERVICE LINE TAPS. SERVICE SADDLES SHALL BE DOUBLE STRAP, ANCHORED BY A MINIMUM FOUR (4) BOLT PATTERN ON A DUCTILE IRON SADDLE BODY. FOR PVC PIPE, DOUBLE STRAPS SHALL BE CORROSION RESISTANT ALLOY STEEL, SIZED EXACTLY TO THE PIPE OUTER DIAMETER. SEALING GASKETS SHALL BE BUNA-N RUBBER.
- ALL POTABLE WATER PIPE AND PIPE FITTINGS INSTALLED UNDER THIS PROJECT SHALL BE BLUE IN COLOR VIA INTEGRAL PIPE COLOR, STRIPING, OR OTHER METHODS.

C. MATERIALS (SEWER)

- ALL GRAVITY SEWER PIPE AND FITTINGS SHALL BE NON-PRESSURE POLYVNYL CHLORIDE PIPE (PVC) CONFORMING TO ASTM D 3034, SDR 26, WITH PUSH-ON RUBBER GASKET JOINTS.
- ALL FITTINGS AND ACCESSORIES SHALL BE MANUFACTURED OR SUPPLIED BY THE PIPE MANUFACTURER OR PRIOR-APPROVED EQUAL.
- BEDDING AND INITIAL BACK FILL OVER SEWER MAINS AND SERVICES SHALL BE SAND WITH NO ROCK LARGER THAN 1" IN DIAMETER.
- MATERIALS (STORM)
- REINFORCED CONCRETE PIPE (RCP): O-RING PIPE SHALL CONFORM TO ASTM C 76 (CLASS III, UNLESS OTHERWISE SPECIFIED) AND AASHTO M 170 STANDARD SPECIFICATIONS, AND ASTM C 443 STANDARD SPECIFICATION FOR JOINTS FOR RCP USING RUBBER GASKETS.
- ELLIPTICAL RCP SHALL CONFORM TO ASTM C 507 (CLASS III) AND AASHTO M 207 STANDARD SPECIFICATIONS.
- HOPE PIPE AND FITTINGS SHALL MEET THE REQUIREMENTS OF AASHTO M-252 (3"-10"), M-294 (12" AND LARGER), TYPE S (CORRUGATED OUTSIDE – SMOOTH INSIDE, 4"-60") AND MP7 (60" TYPE S).
 - BELL/SPIGOT GASKET FOR HOPE PIPE SHALL BE SOIL/SILT TIGHT PER AASHTO SECTION 26 WITH RUBBER GASKET MEETING ASTM F-477.
- PVC STORM SEWER PIPE (12" OR LESS) AND FITTINGS SHALL BE NON-PRESSURE POLYVNYL CHLORIDE PIPE (PVC) CONFORMING TO ASTM D3034, SDR26, WITH PUSH-ON RUBBER GASKET JOINTS.

GENERAL NOTES

THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE SITE CONDITIONS AND THESE PLANS PRIOR TO THE START OF CONSTRUCTION. ANY CONFLICTS BETWEEN CONDITIONS IN THE FIELD AND THESE PLANS SHALL BE REPORTED TO THE ENGINEER OF RECORD AT ONCE.

- ALL INFRASTRUCTURE AND IMPROVEMENTS SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF THE LOCAL JURISDICTION AND WILL BE SUBJECT TO THEIR INSPECTION AND ACCEPTANCE.
- SITE LOCATION: 16506 N. NEBRASKA AVENUE, LUTZ, FL 33549.
- THIS SITE LIES IN ZONE "X", BASED ON FLOOD INSURANCE RATE MAP NO. 12057C0205H, COMMUNITY 120112, UN-INCORPORATED HILLSBOROUGH COUNTY FLORIDA EFFECTIVE 8–28–2008.
- BOUNDARY, TOPOGRAPHIC AND TREE SURVEY BY ALTAMAX SURVEYING, 910 BELLE AVENUE, SUITE 1110 CASSELLBERRY, FLORIDA 32708, DATED MAY 2, 2022. TELEPHONE NUMBER: 407–677–0200.
- BENCHMARK – REFER TO BOUNDARY, TOPOGRAPHIC AND TREE SURVEY BY ALTAMAX SURVEYING, DATED MAY 2, 2022.
- LEGAL DESCRIPTION SHOWN HEREIN IS FURNISHED BY SURVEYOR, AND IS INCLUDED FOR PERMITTING AND APPROVAL PURPOSES, AND AS A COURTESY FOR THE CONTRACTOR. THE ENGINEER ASSUMES NO LIABILITY FOR ITS ACCURACY OR COMPLETENESS.
- SITE GEOTECHNICAL INVESTIGATION PERFORMED BY UNIVERSAL ENGINEERING SCIENCES. THE CIVIL ENGINEER ASSUMES NO RESPONSIBILITY FOR THE CORRECTNESS, ACCURACY AND COMPLETENESS OF THEIR WORK. THE CONTRACTOR SHALL OBTAIN A COPY OF THE GEOTECHNICAL ENGINEER'S REPORT FOR THIS SITE AND COMPLY WITH RECOMMENDATIONS CONTAINED THEREIN. IF ADDITIONAL SERVICES ARE REQUIRED, THE CONTRACTOR SHALL MAKE A REQUEST TO THE OWNER.
- CONTRACTOR SHALL PROVIDE AND INSTALL EROSION CONTROL DEVICES (SILT FENCE OR OTHER METHODS) AT LIMITS OF CONSTRUCTION AND AROUND EACH STORM INLET PRIOR TO CONSTRUCTION, AND SHALL MAINTAIN SAID EROSION CONTROL DEVICES DURING CONSTRUCTION, ALL IN CONFORMANCE WITH CURRENT LOCAL, COUNTY AND STATE CRITERIA.
- THE SITE SHALL BE CLEARED AS MAY BE NOTED ON THE PLANS, OF ALL OBSTRUCTIONS AND DELETERIOUS MATERIAL SUCH AS FENCES, WALLS, FOUNDATIONS, LOGS, SHRUBS, BRUSH, WEEDS, OTHER VEGETATION, AND ACCUMULATION OF RUBBISH OF WHATEVER NATURE. OFF-SITE DISPOSAL, INCLUDING ANY HAZARDOUS MATERIAL ENCOUNTERED, SHALL BE IN ACCORDANCE WITH APPLICABLE LOCAL, STATE, AND FEDERAL RULES AND REGULATIONS.
- THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY DISCREPANCIES BETWEEN THE PLANS AND FIELD CONDITIONS PRIOR TO START OF CONSTRUCTION.
- THE CONTRACTOR SHALL REMAIN SOLELY RESPONSIBLE FOR ANY DESIGN CHANGES WHICH HE MAY INCORPORATE INTO THE PLANS WITHOUT PRIOR WRITTEN CONSENT AND/OR APPROVAL FROM THE OWNER AND THE ENGINEER.
- THE CONTRACTOR SHALL COORDINATE ALL WORK WITHIN THE CAUSEWAY RIGHT-OF-WAYS WITH HILLSBOROUGH COUNTY AND THE FLORIDA DEPARTMENT OF TRANSPORTATION.
- THE CONTRACTOR SHALL RESTORE OFF-SITE AREAS TO A CONDITION EQUAL TO OR BETTER THAN THE CONDITION EXISTING PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- ALL DISTURBED AREAS SHALL BE SODED.
- AT LEAST 30 DAYS PRIOR TO ANTICIPATED COMPLETION OF SITE CONSTRUCTION, THE FINAL CERTIFICATION PROCESS WILL BEGIN. THE CONTRACTOR SHALL PROVIDE DOCUMENTS AND INFORMATION, IN A TIMELY MANNER, TO ENGINEER, INCLUDING, WITHOUT LIMITATION:
 - SURVEYED "AS-BUILTS" MEETING THE REQUIREMENTS OF THE LOCAL JURISDICTION.
 - COMPACTION AND DENSITY TEST REPORTS.
 - PRESSURE TESTING AND BACTERIOLOGICAL TESTING RESULTS, AS REQUIRED, FOR WATER DISTRIBUTION AND/OR WASTEWATER COLLECTION/TRANSMISSION SYSTEMS.

- THE CONTRACTOR SHALL HAVE TWO (2) SETS OF AS-BUILT PLANS, SIGNED AND SEALED BY SURVEYOR OF RECORD, ON SITE THE DAY OF THE CIVIL ENGINEERING FINAL PUNCH LIST INSPECTION. THE GENERAL CONTRACTOR IS TO GIVE THE TWO AS-BUILT PLANS TO THE REPRESENTATIVE FROM Z DEVELOPMENT SERVICES COMPLETING THE INSPECTION. IF ANY DEFICIENCIES ARE NOTED, ONE SET OF RED-LINED AS-BUILT PLANS WILL BE GIVEN TO THE GC FOR REVISIONS TO BE MADE. REVISED AS-BUILTS WILL NEED TO BE FORWARDED TO THE ENGINEER BEFORE ANY CERTIFICATIONS CAN BE INITIATED.
- ALL TRAFFIC CONTROL DEVICES, EQUIPMENT AND INSTALLATION SHALL MEET THE REQUIREMENTS OF THE LOCAL JURISDICTION AND FLORIDA DEPARTMENT OF TRANSPORTATION.
- VEHICLE PARKING SPACES SHALL CONFORM WITH LOCAL CODE. ACCESSIBLE PARKING SPACES AND ACCESS ROUTES SHALL FURTHER CONFORM WITH CURRENT ADA REQUIREMENTS.
- ACCESSIBLE PAVEMENT MARKINGS AND SIGNAGE SHALL CONFORM WITH CURRENT ADA REQUIREMENTS AND LOCAL ORDINANCE.
- LANDSCAPE SHALL BE TRIMMED TO ENSURE SIGHT VISIBILITY OF TRAFFIC CONTROL DEVICES.
- ALL PAVEMENT IS DIMENSIONED TO FACE OF CURB.
- ALL BUILDING DIMENSIONS AND TIES ARE TO FACE OF BUILDING. SEE ARCHITECTURAL PLANS.

THE CONTRACTOR SHALL HAVE TWO (2) SETS OF AS-BUILT PLANS, SIGNED AND SEALED BY SURVEYOR OF RECORD, ON SITE THE DAY OF THE CIVIL ENGINEERING FINAL PUNCH LIST INSPECTION. THE GENERAL CONTRACTOR IS TO GIVE THE TWO AS-BUILT PLANS TO THE REPRESENTATIVE FROM Z DEVELOPMENT SERVICES COMPLETING THE INSPECTION. IF ANY DEFICIENCIES ARE NOTED, ONE SET OF RED-LINED AS-BUILT PLANS WILL BE GIVEN TO THE GC FOR REVISIONS TO BE MADE. REVISED AS-BUILTS WILL NEED TO BE FORWARDED TO THE ENGINEER BEFORE ANY CERTIFICATIONS CAN BE INITIATED.

- ALL TRAFFIC CONTROL DEVICES, EQUIPMENT AND INSTALLATION SHALL MEET THE REQUIREMENTS OF THE LOCAL JURISDICTION AND FLORIDA DEPARTMENT OF TRANSPORTATION.
- VEHICLE PARKING SPACES SHALL CONFORM WITH LOCAL CODE. ACCESSIBLE PARKING SPACES AND ACCESS ROUTES SHALL FURTHER CONFORM WITH CURRENT ADA REQUIREMENTS.
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- ALL PAVEMENT IS DIMENSIONED TO FACE OF CURB.
- ALL BUILDING DIMENSIONS AND TIES ARE TO FACE OF BUILDING. SEE ARCHITECTURAL PLANS.

UTILITY CONTACTS

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SEWER/ WATER	HILLSBOROUGH COUNTY PUBLIC UTILITIES 332 N. FALKENBURG ROAD TAMPA, FLORIDA 33619 CONTACT: JOANNE BOERNER PHONE: 813-272-5977 EXT. 43139 EMAIL: BOERNERJ@HCFCLGOV.NET
ELECTRIC	TECO ENERGY 702 N FRANKLIN STREET TAMPA, FLORIDA 33602 PHONE: 813-228-1111
PHONE	VERIZON 8800 ADOMO DRIVE FLTP0937 TAMPA, FLORIDA 33619 PHONE: 813-664-6100 OR 877-728-7469
GAS	TECO ENERGY 8416 PALM RIVER ROAD TAMPA, FLORIDA 33619 CONTACT: FRANK HERNANDEZ PHONE: 813-275-3772 EMAIL: FHERNANDEZ@TECOENERGY.COM

UTILITY SEPARATION NOTES

- NEW OR RELOCATED, UNDERGROUND WATER MAINS INCLUDED IN THIS PROJECT WILL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST THREE FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED VACUUM-TYPE SANITARY SEWER, STORM SEWER, STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.; A HORIZONTAL DISTANCE OF AT LEAST SIX FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED GRAVITY-TYPE SANITARY SEWER (OR A HORIZONTAL DISTANCE OF AT LEAST THREE FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED GRAVITY-TYPE SANITARY SEWER IF THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST SIX INCHES ABOVE THE TOP OF THE SEWER); A HORIZONTAL DISTANCE OF AT LEAST SIX FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED PRESSURE-TYPE SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.; AND A HORIZONTAL DISTANCE OF AT LEAST TEN FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND ALL PARTS OF ANY EXISTING OR PROPOSED "ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEM."
- NEW OR RELOCATED, UNDERGROUND WATER MAINS THAT ARE INCLUDED IN THIS PROJECT AND THAT WILL CROSS ANY EXISTING OR PROPOSED GRAVITY – OR VACUUM – TYPE SANITARY SEWER OR STORM SEWER WILL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST SIX INCHES ABOVE THE OTHER PIPELINE OR AT LEAST 12 INCHES BELOW THE OTHER PIPELINE; AND NEW OR RELOCATED, UNDERGROUND WATER MAINS THAT ARE INCLUDED IN THIS PROJECT AND THAT WILL CROSS ANY EXISTING OR PROPOSED PRESSURE-TYPE SANITARY SEWER, WASTEWATER OR STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER WILL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST 12 INCHES ABOVE OR BELOW THE OTHER PIPELINE.
- AT THE UTILITY CROSSINGS DESCRIBED ABOVE, ONE FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED ABOVE OR BELOW THE OTHER PIPELINE SO THE WATER MAIN JOINTS WILL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE OR THE PIPES SHALL BE ARRANGED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST THREE FEET FROM ALL JOINTS IN VACUUM-TYPE SANITARY SEWERS, STORM SEWERS, STORMWATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C., AND AT LEAST SIX FEET FROM ALL JOINTS IN GRAVITY – OR PRESSURE – TYPE SANITARY SEWERS, WASTEWATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.

LEGEND

PROPOSED CONTOUR	PROPOSED — 73.50 —
MEET EXISTING GRADE	MEG
EDGE OF PAVEMENT	EOP
SIDEWALK	SW
GRADE BREAK	--- GB --- 12.55
SPOT ELEVATION	12.55 ↙ 10%
DIRECTION OF FLOW AND PERCENT SLOPE	↙ 10%
STORM SEWER & INLET	
DOWN SPOUT DRAINS	— DSD —
SANITARY SEWER & MANHOLE	— SS — — C.O. —
CLEANOUT	— W —
WATER SERVICE	— W —
FIRE HYDRANT	— FH —
WATER METER	— M —
BACKFLOW PREVENTION DEVICE	— BFP —
GATE VALVE	— G —
REDUCER	— R —
UNDERGROUND TELEPHONE	— UGT —
UNDERGROUND ELECTRIC	— UGE —
SITE LIGHTING	
TRANSFORMER	
AIR CONDITIONING UNIT	
PARKING SPACE TOTALS	
6" CURBING WITH DIMENSION (TO FACE OF CURB U.N.O.)	
DETAIL NUMBER	
SHEET NUMBER	

HILLSBOROUGH COUNTY FIRE DEPARTMENT NOTES

FIRE DEPT ACCESS ROADS SHALL BE INSTALLED TO AN ALL-WEATHER DRIVING SURFACE ABLE TO WITHSTAND THE LIVE LOADS OF FIRE DEPT APPARATUS (42 TONS) PRIOR TO COMBUSTIBLES COMING ON TO THE JOBSITE AND THEY SHALL BE MAINTAINED DURING CONSTRUCTION. THE SITE SHALL COMPLY NFPA-1, CHAPTER 16.1.4. & 18.3.

WATER SUPPLY FOR FIRE PROTECTION AND FIRE HYDRANTS SHALL BE INSTALLED, COMPLETED, AND IN SERVICE PRIOR TO COMBUSTIBLES COMING ON TO THE JOBSITE AND THEY SHALL BE MAINTAINED DURING CONSTRUCTION. THE SITE SHALL COMPLY NFPA-1, CHAPTER 16.4.3.1

SITE DATA

ZONING	CG (COMMERCIAL GENERAL)
FUTURE LAND USE	OC 20 (OFFICE COMMERCIAL – 20)
FOLIO NUMBER	015780-0156
CONSTRUCTION TYPE	II (000) – UNSPRINKLERED
BUILDING FLOOR AREA	2,500 S.F.
NUMBER OF STORIES	1
PROPOSED USE	EATING ESTABLISHMENT WITH DRIVE-THRU WINDOW
FLOOR AREA RATIO	2,500 S.F. / 74,937 SF = 0.03
EXISTING USE	VACANT
SITE AREA CALCULATIONS	
SITE AREA	74,937 S.F. (1.720 AC.)
PRE-DEVELOPMENT	
PERVIOUS AREA	65,319 S.F. (87.2%)
IMPERVIOUS AREA	9,618 S.F. (12.8%)
POST-DEVELOPMENT	
PERVIOUS AREA	29,863 S.F. (39.9%)
IMPERVIOUS AREA	45,074 S.F. (60.1%)
IMPERVIOUS AREA BREAKDOWN	
BUILDING AREA	2,500 S.F. (3.3%)
PAVEMENT	42,574 S.F. (56.8%)

BUILDING SETBACKS	REQUIRED	PROVIDED
FRONT (NORTHEAST – NEBRASKA AVE.)	30 FT.	85.9 FT.
SIDE (NORTH)	10 FT.	77.5 FT.
SIDE (SOUTH – CHAPMAN RD.)	30 FT.	94.6 FT.
REAR (WEST)	10 FT.	109 FT.

LANDSCAPE BUFFER	REQUIRED	PROVIDED
FRONT (NORTHEAST – NEBRASKA AVE.)	8 FT.	8 FT.
SIDE (NORTH)	6 FT.	6 FT. (MIN.)
SIDE (SOUTH – CHAPMAN RD.)	8 FT.	26.9 FT. (MIN.)
REAR (WEST)	6 FT.	7.8 FT. (MIN.)

PARKING CALCULATIONS

PARKING REQUIRED
RESTAURANT WITH DRIVE THRU: 10 PARKING SPACES PER 1,000 S.F. OF GROSS FLOOR AREA

= 10 (2,500 S.F. / 1,000 S.F.)
= 25 PARKING SPACES

PARKING PROVIDED	
REGULAR PARKING	31 SPACES
ACCESSIBLE PARKING	2 SPACES
TOTAL PARKING	33 SPACES
BICYCLE PARKING	
PARKING PROVIDED	4 SPACES



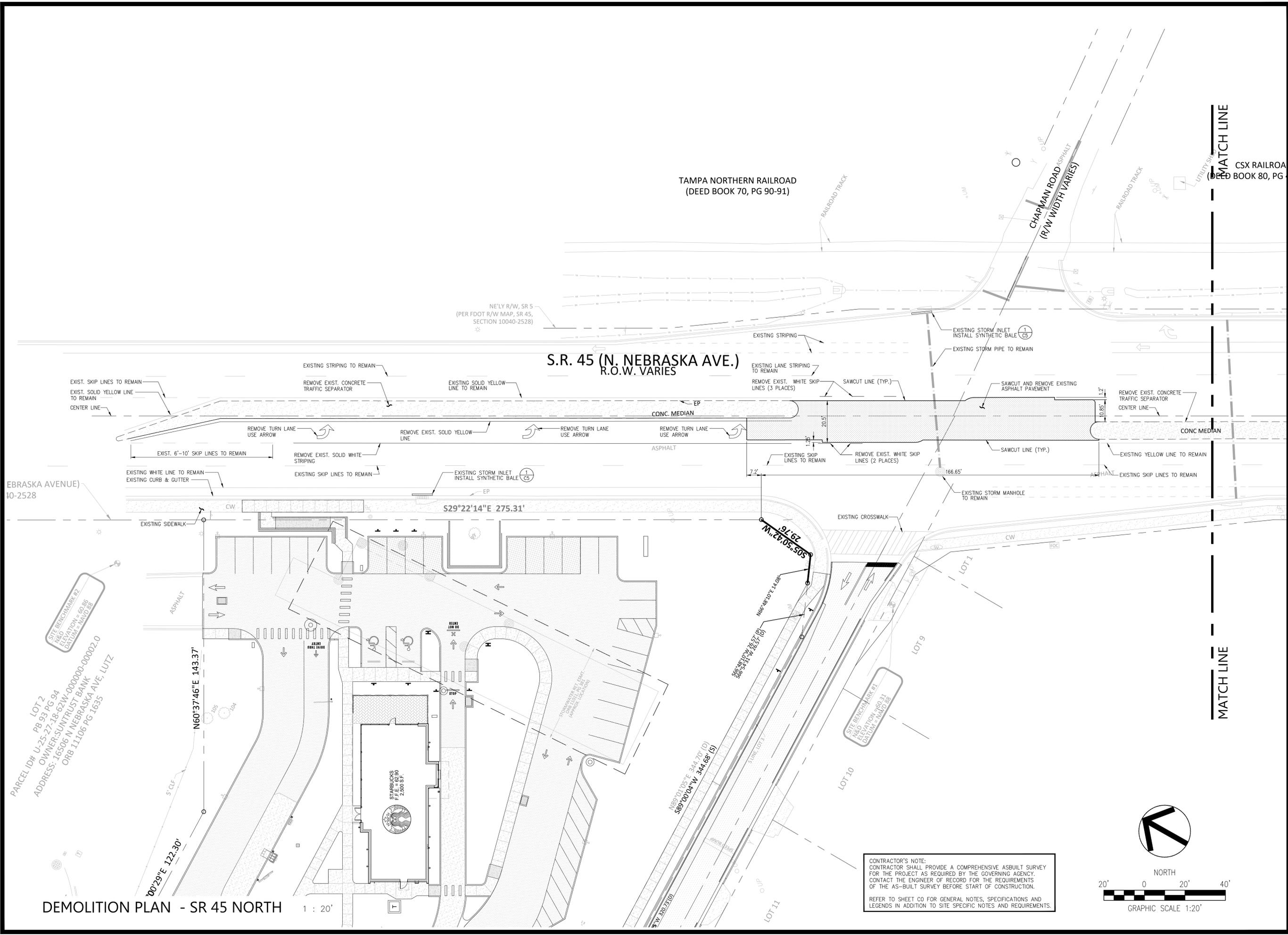
REVISION	DATE	REVISION	DATE
	10-25-23		

STARBUCKS 16506 NEBRASKA AVENUE LUTZ, FLORIDA

DATE: 08-04-23
DRAWN: SR
CHECKED: SC

CO
CIVIL DATA & NOTES

PROJECT NO.: 2021.187



NEBRASKA AVENUE) 10-2528

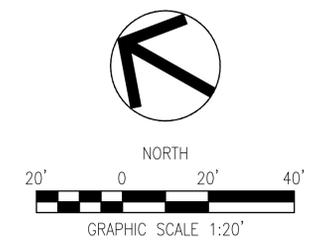
PARCEL ID# U-25-27-18-62W-000000-00002.0
 LOT 2
 PB 93 PG 94
 OWNER: SUNTRUST BANK
 ADDRESS: 16506 N NEBRASKA AVE, LUTZ
 ORB 11106 PG 1635

SITE BENCHMARK #2
 ING. ELEVATION = 60.85
 DATUM = NAD 83

DEMOLITION PLAN - SR 45 NORTH

1 : 20'

CONTRACTOR'S NOTE:
 CONTRACTOR SHALL PROVIDE A COMPREHENSIVE AS-BUILT SURVEY FOR THE PROJECT AS REQUIRED BY THE GOVERNING AGENCY. CONTACT THE ENGINEER OF RECORD FOR THE REQUIREMENTS OF THE AS-BUILT SURVEY BEFORE START OF CONSTRUCTION.
 REFER TO SHEET C0 FOR GENERAL NOTES, SPECIFICATIONS AND LEGENDS IN ADDITION TO SITE SPECIFIC NOTES AND REQUIREMENTS.



REVISION	DATE	REVISION	DATE
1	02-05-24		
FOOT COMMENTS			

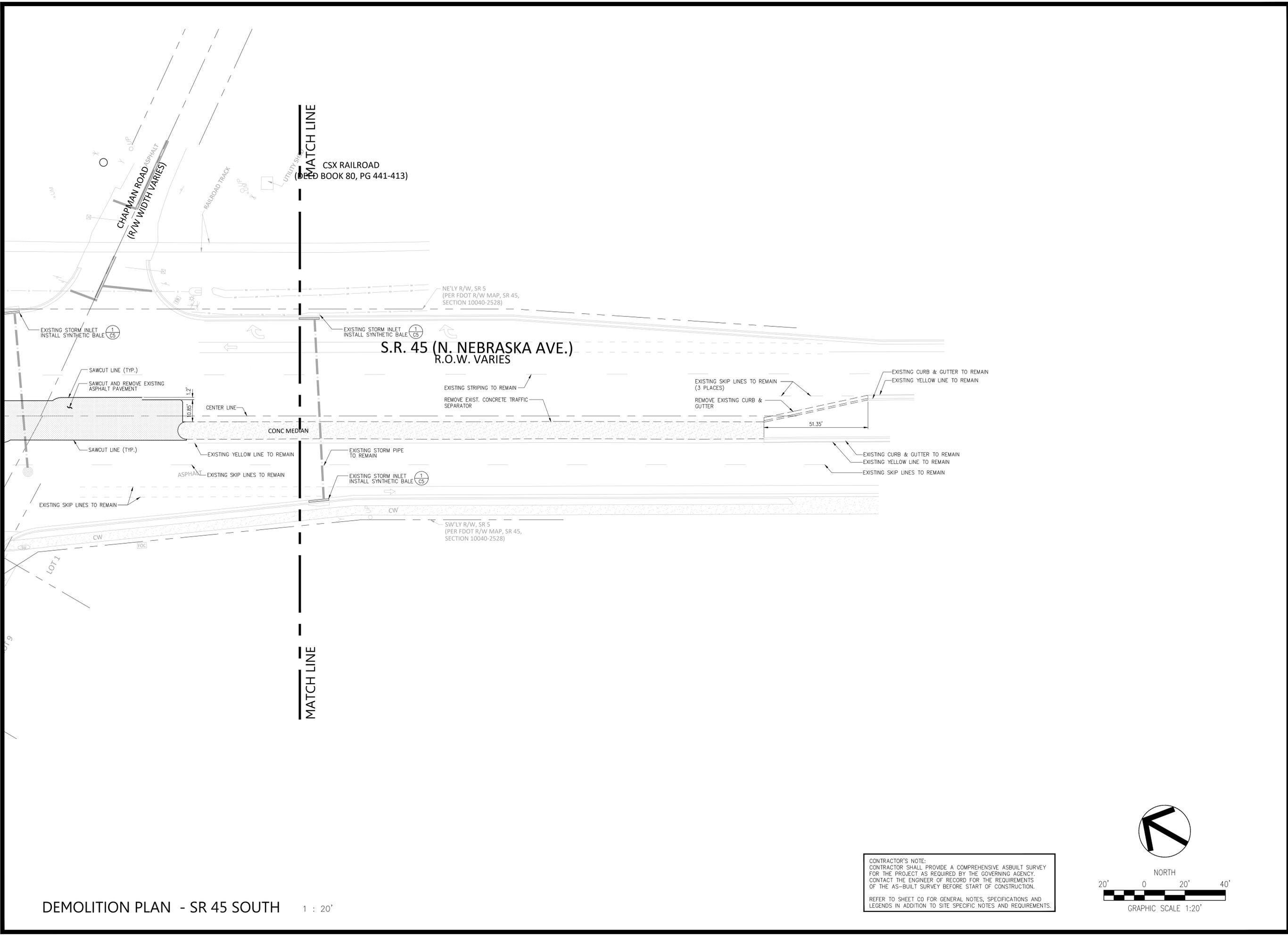
SARAH CHLOTTA, P.E.
 FL REG. # 87473

STARBUCKS
16506 NEBRASKA AVENUE
LUTZ, FLORIDA

DATE: 08-04-23
 DRAWN: SR
 CHECKED: SC

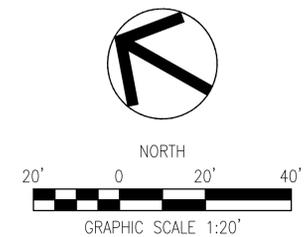
C1.1
 DEMOLITION PLAN -
 SR 45 NORTH

PROJECT NO.: 2021.187



DEMOLITION PLAN - SR 45 SOUTH 1 : 20'

CONTRACTOR'S NOTE:
 CONTRACTOR SHALL PROVIDE A COMPREHENSIVE AS-BUILT SURVEY FOR THE PROJECT AS REQUIRED BY THE GOVERNING AGENCY. CONTACT THE ENGINEER OF RECORD FOR THE REQUIREMENTS OF THE AS-BUILT SURVEY BEFORE START OF CONSTRUCTION.
 REFER TO SHEET C0 FOR GENERAL NOTES, SPECIFICATIONS AND LEGENDS IN ADDITION TO SITE SPECIFIC NOTES AND REQUIREMENTS.



REVISION	DATE	REVISION	DATE
1	02-05-24		
FOOT COMMENTS			

SARAH CHLOTTA, P.E.
 FL REG. # 87473

STARBUCKS
16506 NEBRASKA AVENUE
LUTZ, FLORIDA

DATE: 08-04-23
 DRAWN: SR
 CHECKED: SC

C1.2
 DEMOLITION PLAN -
 SR 45 SOUTH

LEGEND

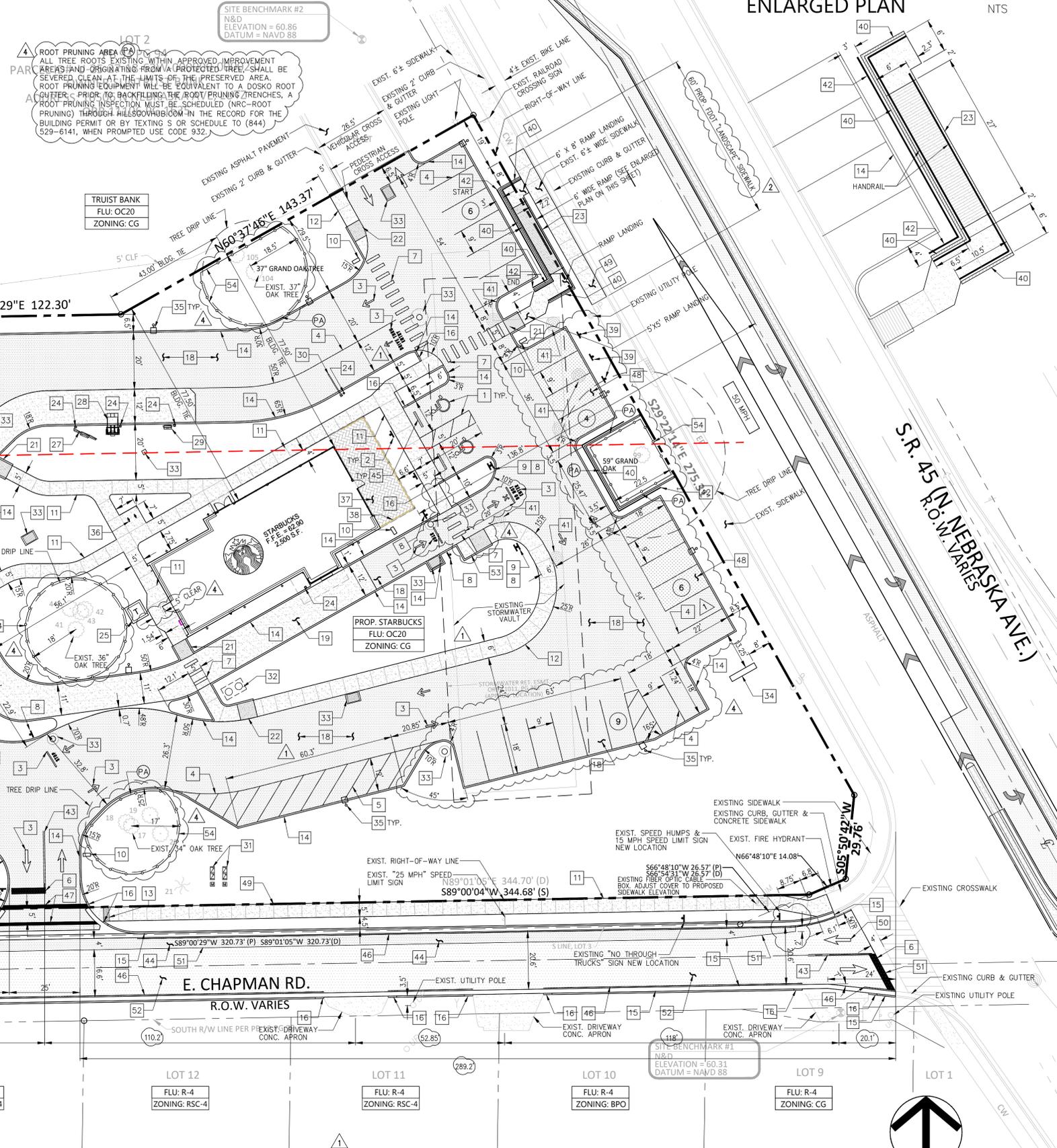
- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE PAVEMENT
- PERVIOUS PAVEMENT
- ASPHALT OVERLAY

PARKING REQUIRED
RESTAURANT WITH DRIVE THRU: 10 PARKING SPACES PER 1,000 S.F. OF GROSS FLOOR AREA
= 10 (2,500 S.F. / 1,000 S.F.)
= 25 PARKING SPACES

PARKING PROVIDED
REGULAR PARKING 31 SPACES
ACCESSIBLE PARKING 2 SPACES

TOTAL PARKING
(PERVIOUS SURFACE PARKING PROVIDED 8 SPACES)
33 SPACES

BICYCLE PARKING
PARKING PROVIDED 4 SPACES



PB 93 PG 94
PARCEL ID# U-25-27-18-62W-00000-00001.0
OWNER: PUBLIX SUPER MARKETS INC
ADDRESS: 16506 N NEBRASKA AVE, LUTZ
ORB 10679 PG 1943

CHMARK #3
= 59.39
IAMD 88

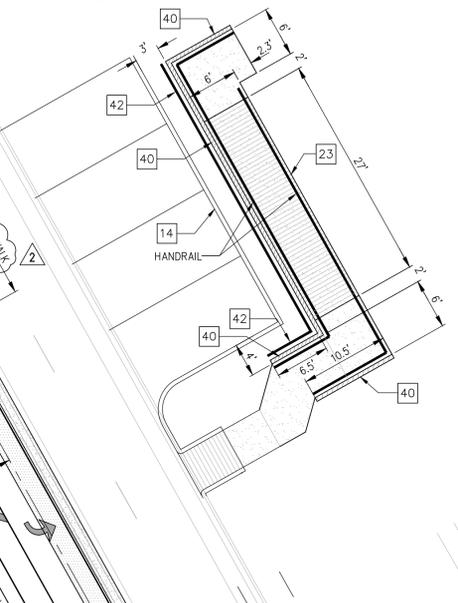
CONTRACTOR'S NOTE:
CONTRACTOR SHALL PROVIDE A COMPREHENSIVE AS-BUILT SURVEY FOR THE PROJECT AS REQUIRED BY THE GOVERNING AGENCY. CONTACT THE ENGINEER OF RECORD FOR THE REQUIREMENTS OF THE AS-BUILT SURVEY BEFORE START OF CONSTRUCTION.

REFER TO SHEET C0 FOR GENERAL NOTES, SPECIFICATIONS AND LEGENDS IN ADDITION TO SITE SPECIFIC NOTES AND REQUIREMENTS.

FIRE DEPARTMENT NOTES:
FIRE DEPT ACCESS ROADS SHALL BE INSTALLED TO AN ALL-WEATHER DRIVING SURFACE ABLE TO WITHSTAND THE LIVE LOADS OF FIRE DEPT APPARATUS (42 TONS) PRIOR TO COMBUSTIBLES COMING ON TO THE JOBSITE AND THEY SHALL BE MAINTAINED DURING CONSTRUCTION. THE SITE SHALL COMPLY NFPA-1, CHAPTER 16.1.4. & 18.3.

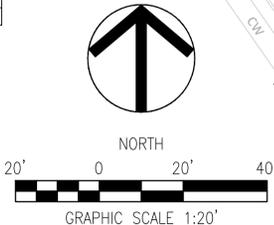
WATER SUPPLY FOR FIRE PROTECTION AND FIRE HYDRANTS SHALL BE INSTALLED, COMPLETED, AND IN SERVICE PRIOR TO COMBUSTIBLES COMING ON TO THE JOBSITE AND THEY SHALL BE MAINTAINED DURING CONSTRUCTION. THE SITE SHALL COMPLY NFPA-1, CHAPTER 16.4.3.

ENLARGED PLAN



PLAN NOTES

- 1 ACCESSIBLE PARKING, STRIPING AND ACCESS AISLE (1/ C6)
- 2 ACCESSIBLE PARKING SIGN (2/ C6)
- 3 PAVEMENT MARKING (3/ C6)
- 4 4" WHITE STRIPING (PAINT)
- 5 4" DIAGONAL WHITE STRIPING AT 4.5 FT. O.C. (PAINT)
- 6 24" WHITE STOP BAR (PAINT) (3/ C6)
- 7 CROSSWALK (PAINT) (3/ C6)
- 8 24" STOP SIGN (MUTCD R1-1)
- 9 "DO NOT ENTER" SIGN (MUTCD R5-1)
- 10 DIRECTIONAL SIGN (SEE SIGNAGE PLANS)
- 11 CONCRETE WALK WITH EXPANSION JOINTS & SCORE MARKS (4/ C6)
- 12 MONOLITHIC CURB AND SIDEWALK (5/ C6)
- 13 DETECTABLE WARNING MAT (3/ C6.1)
- 14 6" VERTICAL CURB (6/ C6)
- 15 CURB AND GUTTER (7/ C6)
- 16 TRANSITION CURB (8/ C6)
- 17 VALLEY GUTTER (9/ C6)
- 18 ASPHALT PAVEMENT (10/ C6)
- 19 7" THICK BLACK INTEGRAL CONCRETE WITH WELDED WIRE MESH PER STARBUCKS SPECIFICATIONS (11/ C6)
- 20 BLACK DUMPSTER CONCRETE APRON (12/ C6)
- 21 ACCESSIBLE RAMP (CR E - FDOT INDEX 522-002) (13/ C6)
- 22 ACCESSIBLE RAMP (CR G - FDOT INDEX 522-002) (14/ C6)
- 23 ACCESSIBLE RAMP WITH HANDRAILS (15/ C6, 4/ C6.1, C6.2)
- 24 BOLLARD (1/ C6.1)
- 25 POWER TRANSFORMER AND CONCRETE PAD
- 26 SOLID WASTE ENCLOSURE (SEE ARCHITECTURAL PLANS)
- 27 MENU BOARD (SEE SIGNAGE PLANS)
- 28 CANOPY AND ORDERING STATION (SEE SIGNAGE PLANS)
- 29 PRE-SELL MENU BOARD (SEE SIGNAGE PLANS)
- 30 CLEARANCE BAR (SEE SIGNAGE PLANS)
- 31 BACKFLOW PREVENTER & WATER METER (SEE UTILITY PLAN)
- 32 SANITARY SEWER STRUCTURE (SEE UTILITY PLAN)
- 33 STORMWATER STRUCTURE (SEE GRADING & DRAINAGE PLAN)
- 34 MONUMENT SIGN (SEE SIGNAGE PLANS)
- 35 LIGHT POLE (SEE PHOTOMETRICS PLAN)
- 36 BICYCLE RACKS (4 PARKING SPACES) (2/ C6.1)
- 37 BRICK PAVERS (SEE ARCHITECTURAL PLANS FOR DETAILS)
- 38 PATIO RAILING (REFER TO ARCHITECTURAL PLANS)
- 39 "MOBILE ORDER PICK-UP - 10 MIN. PARKING" SIGN (SEE SIGNAGE PLANS)
- 40 6" CONCRETE RETAINING WALL (SEE STRUCT. PLANS FOR DET.)
- 41 EXISTING STORMWATER MANHOLE (TO BE FLUSH WITH PROPOSED PAVEMENT TOP OR PROPOSED ELEVATION AT OTHER AREAS)
- 42 PIPE GUIDERAIL - FDOT INDEX 515-070 OR EQUIVALENT (C6.2, C6.3)
- 43 6" DOUBLE YELLOW STRIPING (PAINT) (3/ C6)
- 44 ASPHALT PAVEMENT (RIGHT-OF-WAY) (16/ C6)
- 45 CONCRETE WHEEL STOP (2 PLACES) (5/ C6.1)
- 46 6" WHITE THERMOPLASTIC (FDOT INDEX 711-001)
- 47 12" WHITE STANDARD CROSSWALK (FDOT INDEX 711-001)
- 48 PERVIOUS PAVEMENT (10/ C6.1, 1/ C6.2)
- 49 6" CONCRETE WALK (1/ C6.3, 2/ C6.3)
- 50 THROUGH LANE - USE ARROW (1/ C6.3)
- 51 NEW ASPHALT EDGE
- 52 ASPHALT OVERLAY (1" TO 2" MILL AT EXISTING HIGH POINTS)
- 53 ACCESSIBLE RAMP (17/ C6, 4/ C6.1)
- 54 TREE PROTECTION BARRICADE (SEE SHEET C4 FOR DETAILS)



SITE DIMENSION PLAN

1 : 20'

Z DEVELOPMENT
S e r v i c e s
CA 29354
PH: (407) 271-8910
FAX: (407) 442-0604
708 E. COLONIAL DR., STE. 100
ORLANDO, FL 32803

REVISION	DATE	REVISION	DATE
△ COUNTY COMMENTS	10-25-23		
△ COUNTY COMMENTS	01-25-24		

STARBUCKS
16506 NEBRASKA AVENUE
LUTZ, FLORIDA

DATE: 08-04-23
DRAWN: SR
CHECKED: SC

C2
SITE DIMENSION PLAN

PROJECT NO.: 2021.187

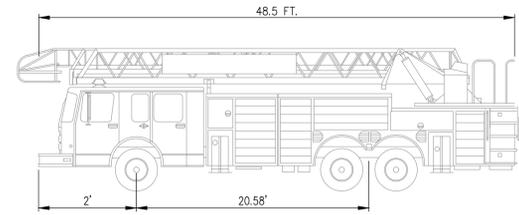
LEGEND

-  PROPOSED ASPHALT PAVEMENT
-  EXISTING ASPHALT PAVEMENT
-  PROPOSED CONCRETE PAVEMENT

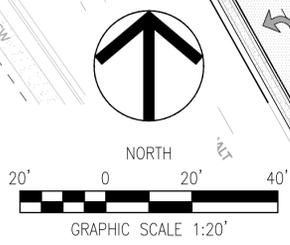
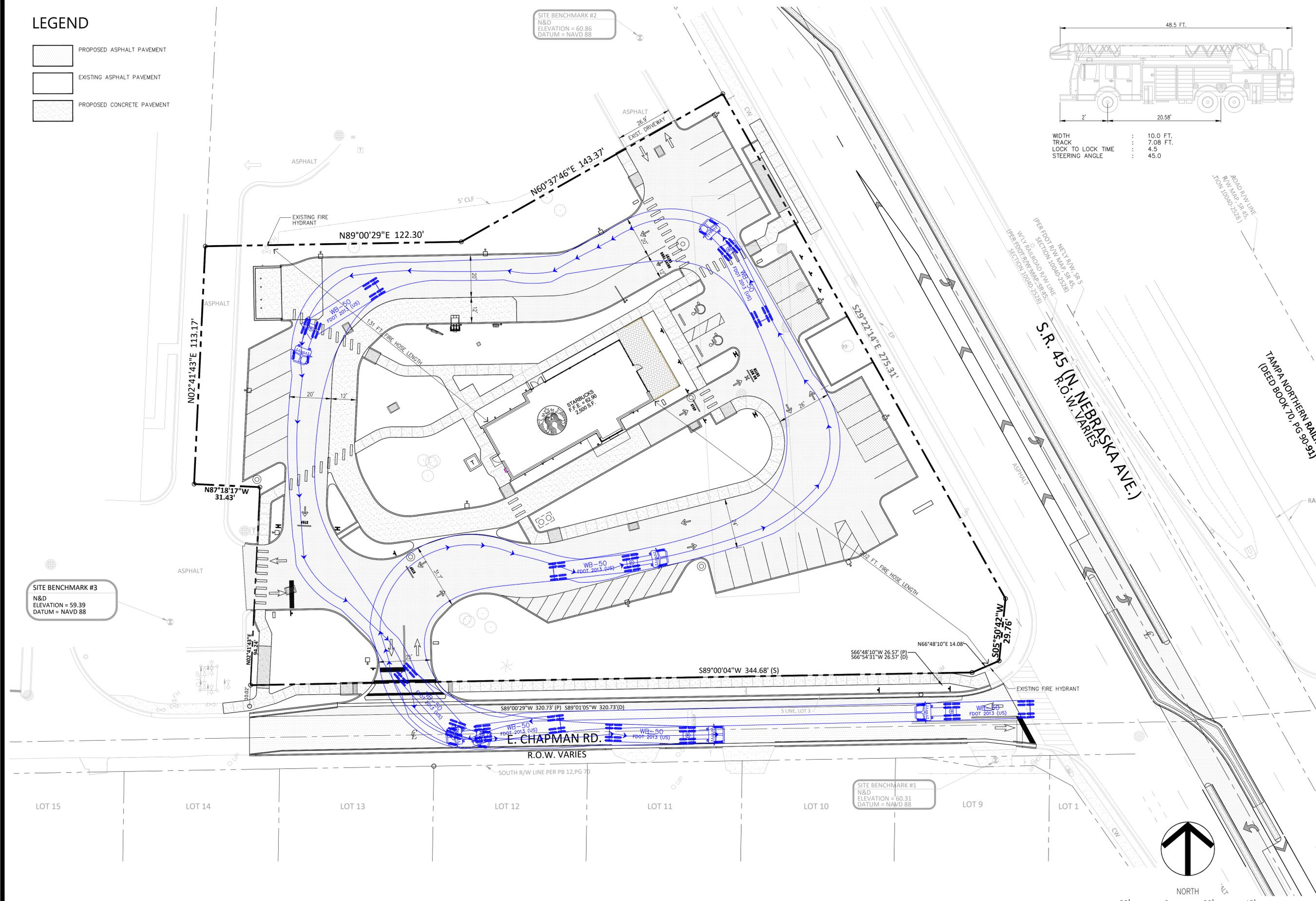
SITE BENCHMARK #2
N&D
ELEVATION = 60.86
DATUM = NAVD 88

SITE BENCHMARK #3
N&D
ELEVATION = 59.39
DATUM = NAVD 88

SITE BENCHMARK #1
N&D
ELEVATION = 60.31
DATUM = NAVD 88



WIDTH : 10.0 FT.
TRACK : 7.08 FT.
LOCK TO LOCK TIME : 4.5
STEERING ANGLE : 45.0



FIRE TRUCK TURN PLAN 1 : 20'

Z DEVELOPMENT
S e r v i c e s
CA 29354
708 E. COLONIAL DR., STE. 100
ORLANDO, FL 32803
PH: (407) 271-8910
FAX: (407) 442-0604

REVISION	DATE	REVISION	DATE

SARAH CHLOTTA, P.E.
FL REG. # 87473

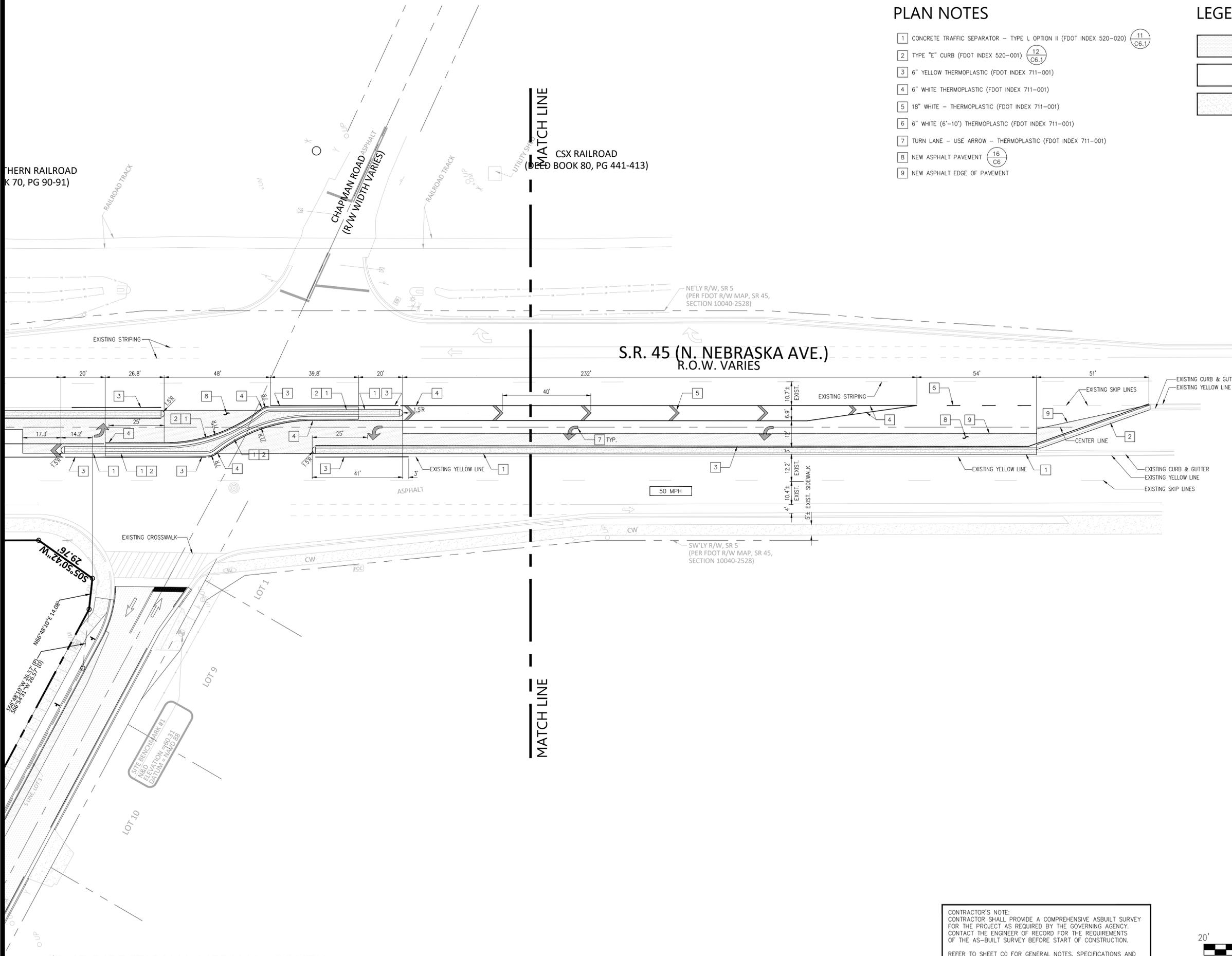
STARBUCKS
16506 NEBRASKA AVENUE
LUTZ, FLORIDA

DATE: 08-04-23
DRAWN: SR
CHECKED: SC

C2.1
FIRE TRUCK TURN PLAN

PROJECT NO.: 2021.187

Southern Railroad
(FDOT BOOK 70, PG 90-91)



PLAN NOTES

- 1 CONCRETE TRAFFIC SEPARATOR - TYPE I, OPTION II (FDOT INDEX 520-020) 11
C6.1
- 2 TYPE "E" CURB (FDOT INDEX 520-001) 12
C6.1
- 3 6" YELLOW THERMOPLASTIC (FDOT INDEX 711-001)
- 4 6" WHITE THERMOPLASTIC (FDOT INDEX 711-001)
- 5 18" WHITE - THERMOPLASTIC (FDOT INDEX 711-001)
- 6 6" WHITE (6'-10") THERMOPLASTIC (FDOT INDEX 711-001)
- 7 TURN LANE - USE ARROW - THERMOPLASTIC (FDOT INDEX 711-001)
- 8 NEW ASPHALT PAVEMENT 16
C6
- 9 NEW ASPHALT EDGE OF PAVEMENT

LEGEND

- PROPOSED ASPHALT PAVEMENT
- EXISTING ASPHALT PAVEMENT
- PROPOSED CONCRETE PAVEMENT

S.R. 45 (N. NEBRASKA AVE.)
R.O.W. VARIES

50 MPH

MATCH LINE

CSX RAILROAD
(FDOT BOOK 80, PG 441-413)

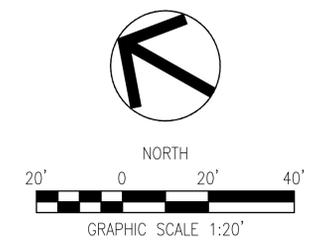
NE'LY R/W, SR 5
(PER FDOT R/W MAP, SR 45,
SECTION 10040-2528)

SW'LY R/W, SR 5
(PER FDOT R/W MAP, SR 45,
SECTION 10040-2528)

SR 45 DIRECTIONAL MEDIAN - SOUTH

1 : 20'

CONTRACTOR'S NOTE:
CONTRACTOR SHALL PROVIDE A COMPREHENSIVE AS-BUILT SURVEY FOR THE PROJECT AS REQUIRED BY THE GOVERNING AGENCY. CONTACT THE ENGINEER OF RECORD FOR THE REQUIREMENTS OF THE AS-BUILT SURVEY BEFORE START OF CONSTRUCTION.
REFER TO SHEET C0 FOR GENERAL NOTES, SPECIFICATIONS AND LEGENDS IN ADDITION TO SITE SPECIFIC NOTES AND REQUIREMENTS.



Z DEVELOPMENT
S e r v i c e s
CA 29354
708 E. COLONIAL DR., STE. 100
ORLANDO, FL 32803
PH: (407) 271-8910
FAX: (407) 442-0604

REVISION	DATE	REVISION	DATE
1	02-05-24		
FOOT COMMENTS			

SARAH CHLOTTA, P.E.
FL REG. # 87473

STARBUCKS
16506 NEBRASKA AVENUE
LUTZ, FLORIDA

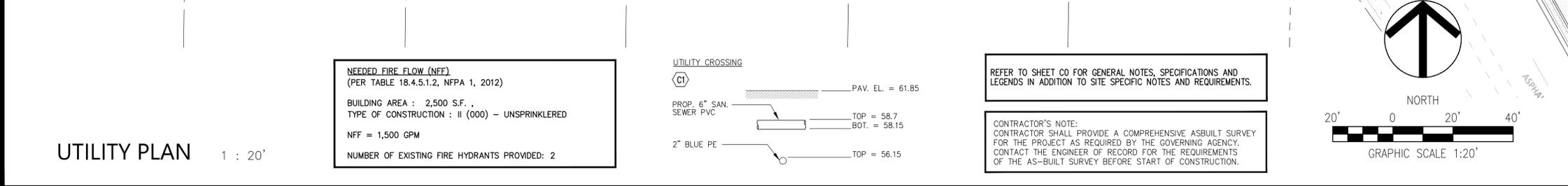
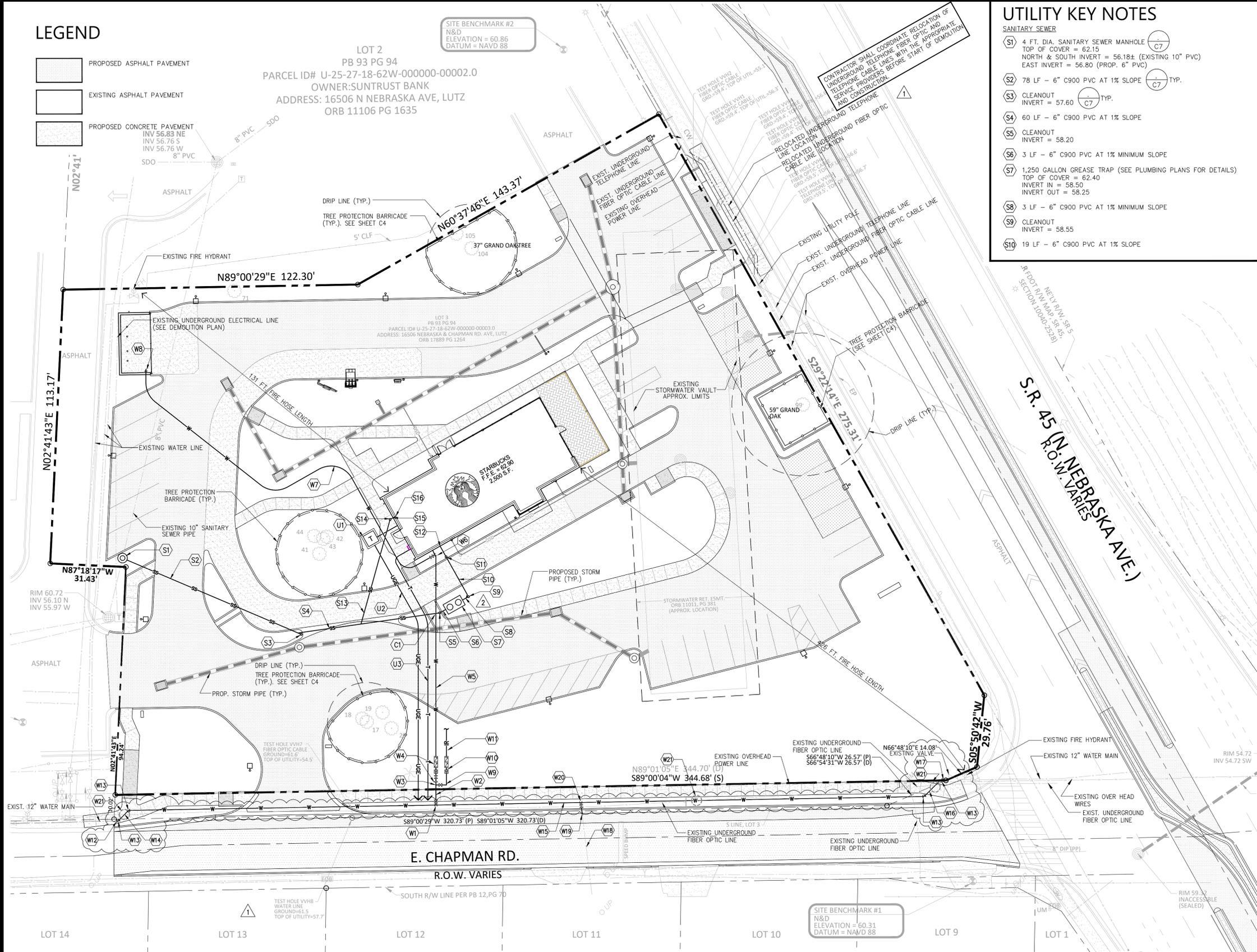
DATE: 08-04-23
DRAWN: SR
CHECKED: SC

C2.3
SR 45 DIRECTIONAL
MEDIAN - SOUTH

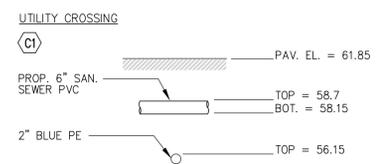
PROJECT NO.: 2021.187

LEGEND

- PROPOSED ASPHALT PAVEMENT
- EXISTING ASPHALT PAVEMENT
- PROPOSED CONCRETE PAVEMENT



NEEDED FIRE FLOW (NFF)
 (PER TABLE 18.4.5.1.2, NFPA 1, 2012)
 BUILDING AREA : 2,500 S.F.
 TYPE OF CONSTRUCTION : II (000) - UNSPRINKLERED
 NFF = 1,500 GPM
 NUMBER OF EXISTING FIRE HYDRANTS PROVIDED: 2



REFER TO SHEET C0 FOR GENERAL NOTES, SPECIFICATIONS AND LEGENDS IN ADDITION TO SITE SPECIFIC NOTES AND REQUIREMENTS.

CONTRACTOR'S NOTE:
 CONTRACTOR SHALL PROVIDE A COMPREHENSIVE ASBUILT SURVEY FOR THE PROJECT AS REQUIRED BY THE GOVERNING AGENCY. CONTACT THE ENGINEER OF RECORD FOR THE REQUIREMENTS OF THE AS-BUILT SURVEY BEFORE START OF CONSTRUCTION.

UTILITY KEY NOTES

- SANITARY SEWER**
- (S1) 4 FT. DIA. SANITARY SEWER MANHOLE (C7) TYP. TOP OF COVER = 62.15 NORTH & SOUTH INVERT = 56.18± (EXISTING 10" PVC) EAST INVERT = 56.80 (PROP. 6" PVC)
 - (S2) 78 LF - 6" C900 PVC AT 1% SLOPE (C7) TYP.
 - (S3) CLEANOUT INVERT = 57.60 (C7) TYP.
 - (S4) 60 LF - 6" C900 PVC AT 1% SLOPE
 - (S5) CLEANOUT INVERT = 58.20
 - (S6) 3 LF - 6" C900 PVC AT 1% MINIMUM SLOPE
 - (S7) 1,250 GALLON GREASE TRAP (SEE PLUMBING PLANS FOR DETAILS) TOP OF COVER = 62.40 INVERT IN = 58.50 INVERT OUT = 58.25
 - (S8) 3 LF - 6" C900 PVC AT 1% MINIMUM SLOPE
 - (S9) CLEANOUT INVERT = 58.55
 - (S10) 19 LF - 6" C900 PVC AT 1% SLOPE

- WATER**
- (W1) 12" X 4" TEE AND 4" CORPORATION STOP (C6) TYP.
 - (W2) 15 LF - 4" D.I.P. (C7.1) TYP.
 - (W3) 4" X 2" TEE AND 2" GATE VALVE TO IRRIGATION METER (C7.1)
 - (W4) 4" X 2" REDUCER, 2" GATE VALVE, 1.5" WATER METER AND 2" REDUCED PRESSURE BACKFLOW PREVENTER (C7.1)
 - (W5) 105 LF - 2" BLUE PE
 - (W6) 2" X 3/4" TEE AND 3/4" GATE VALVE
 - (W7) 180 LF - 3/4" BLUE PE
 - (W8) 3/4" HOSE BIBB
 - (W9) 2"-90° BEND AND 12 LF - 2" BLUE PE THROUGH THE LOCKING CURB STOP ON THE METER (C7.1)
 - (W10) 1" IRR. METER AND 1" RED. PRESSURE BACKFLOW PREVENTER (C7.1)
 - (W11) 1.5" PVC FOR IRRIGATION (SEE IRRIGATION PLANS FOR CONTINUATION)

- WATER MAIN RELOCATION**
- (W12) CONNECT PROPOSED 12" DIP TO EXISTING 12" PVC WATER MAIN USING MECHANICAL JOINT FITTING PER HILLSBOROUGH COUNTY UTILITIES SPECIFICATIONS.
 - (W13) 12" - 45" DIP BEND
 - (W14) 8 LF - 12" DIP WITH RESTRAINED JOINTS
 - (W15) 335 LF - 12" DIP WITH RESTRAINED JOINTS (SEE SHEET C6.2 FOR PROFILE)
 - (W16) 15 LF - 12" DIP WITH RESTRAINED JOINTS
 - (W17) CONNECT PROPOSED 12" DIP TO EXISTING 12" PVC WATER MAIN USING MECHANICAL JOINT FITTING PER HILLSBOROUGH COUNTY UTILITIES SPECIFICATIONS.
 - (W18) EXISTING WATER LINE UNDER E. CHAPMAN ROAD. CONTRACTOR SHALL FIELD VERIFY SIZE, MATERIAL AND LOCATION. REPORT TO ENGINEER IF ANY DISCREPANCIES EXISTS.
 - (W19) CONNECT PROPOSED 2" DIP TO EXISTING WATER LINE USING MECHANICAL JOINT FITTING PER HILLSBOROUGH COUNTY UTILITIES SPECIFICATIONS. USE REDUCER FITTING AS NECESSARY.
 - (W20) 12" X 2" TEE, 2" CORPORATION STOP AND 10 LF - 2" DIP
 - (W21) PROPOSED 12" DIP AND EXISTING FIBER OPTIC LINE CROSSING. DEFLECT PROPOSED 12" DIP UNDER EXISTING FIBER OPTIC LINE AS NECESSARY.
- CONTRACTOR SHALL ENSURE MINIMAL INTERRUPTION TO WATER SERVICE FLOW. EXISTING WATER MAIN PIPES SHALL BE REMOVED AFTER THE PROPOSED WATER MAIN IMPROVEMENTS ARE COMPLETE AND CLEARED FOR USE.

- DRY UTILITIES**
- (U1) POWER TRANSFORMER AND CONCRETE PAD LOCATION
 - (U2) UNDERGROUND POWER LINE. CONTRACTOR SHALL COORDINATE WITH ELECTRIC POWER SERVICE PROVIDER BEFORE START OF CONSTRUCTION FOR NUMBER, SIZE OF CONDUITS AND BURIED DEPTH REQUIREMENTS
 - (U3) UNDERGROUND TELEPHONE AND CABLE SERVICE. CONTRACTOR SHALL COORDINATE WITH TELEPHONE AND CABLE SERVICE PROVIDER FOR NUMBER AND SIZE OF CONDUITS FROM SERVICE PANEL BOARD TO POINT OF CONNECTION BEFORE START OF CONSTRUCTION

- HILLSBOROUGH COUNTY UTILITY NOTES:**
- A. THE CONTRACTOR/ENGINEER OF RECORD SHALL CONTACT THE HILLSBOROUGH COUNTY PUBLIC UTILITY DEPT. INSPECTION SECTION AND LINE MAINTENANCE TO SET UP THE PRE-CONSTRUCTION MEETING. CONTACT MATT CIOFALO @ 272-5977 EXT. 43534 FOR INSPECTIONS AND THE NORTHWEST LINE MAINTENANCE UNIT AT 554-5010.
 - B. ALL ELEVATIONS REFERENCE THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
 - C. CONTRACTOR TO EXPOSE WATER MAIN AND FURNISH TAPPING SLEEVE AND VALVE FOR WATER METER TAP AND INSTALL 2" POLYETHYLENE (P.E.) WATER SERVICE LINE FROM MAIN TO METER. HILLSBOROUGH COUNTY PUBLIC UTILITIES WILL PERFORM THE TAPPING OPERATION.
 - D. CONTRACTOR TO COORDINATE WITH CHRISTOPHER REPAK FOR NORTHWEST @ 813-554-5011 OF THE HILLSBOROUGH COUNTY PUBLIC UTILITIES DEPT. PRIOR TO THE SELECTION AND ORDERING OF THE WATER METER AND/OR BACKFLOW PREVENTION DEVICE ASSEMBLIES.
 - E. THE MASTER METER ASSEMBLY SHALL BE DIRECTLY ACCESSIBLE BY BOOM TRUCK OFF THE COUNTY R.O.W. OR BY AN INTERIOR ROAD THAT IS NOT BLOCKED BY A WALL, FENCE, OR GATE. THE ELEVATION OF THE CONCRETE SLAB WILL BE HIGHER THAN THE IMMEDIATE SURROUNDING AREA. DO NOT MULCH AREA AROUND SLAB. DO NOT PLANT ANY LANDSCAPE THAT WILL HINDER DIRECT ACCESS IN THE FUTURE TO THE METER ASSEMBLY.
 - F. CONTRACTOR MUST COORDINATE THE SHUTDOWN OF THE EXISTING POTABLE WATER, WASTEWATER FORCEMAIN, OR RECLAIMED WATER MAIN WITH HILLSBOROUGH COUNTY FIELD MAINTENANCE SERVICES. CONTACT THE NORTHWEST UNIT AT 813-554-5010.
 - G. ALL NON-METALLIC PIPE WILL BE INSTALLED WITH 2 PAIR, 10-GAUGE COPPER TRACER WIRE.
 - H. THE LOCATION OF ALL NEWLY INSTALLED FIRE HYDRANTS SHALL BE IDENTIFIED WITH A BLUE REFLECTIVE PAVEMENT MARKER INSTALLED ON THE ROADWAY, PERPENDICULAR TO THE FIRE HYDRANT. THE REFLECTIVE MARKER SHALL BE LOCATED IN THE CENTER OF THE LANE CLOSEST TO THE HYDRANT.

THE ENGINEER OF RECORD AND/OR CONTRACTOR WILL BE RESPONSIBLE FOR THE FLOW TESTING AND COLOR CODING OF ALL NEWLY INSTALLED FIRE HYDRANTS IN THE EXISTING OR PROPOSED HILLSBOROUGH COUNTY RIGHT OF WAY AND UTILITY EASEMENTS THAT ARE TO BE DEDICATED TO HILLSBOROUGH COUNTY PRIOR TO THE FINAL INSPECTION OF THE PROJECT. THE ENGINEER OF RECORD AND/OR CONTRACTOR SHALL REFER TO NFPA STANDARD

Z DEVELOPMENT
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 CA 29354
 PH: (407) 271-8910
 FAX: (407) 442-0604

REVISION	DATE	REVISION	DATE
Δ COUNTY COMMENTS	10-25-23		
Δ COUNTY WRD COMMENTS	02-05-24		

SARAH CHILDTY, P.E.
 FL REG. # 87443

STARBUCKS
 16506 NEBRASKA AVENUE
 LUTZ, FLORIDA

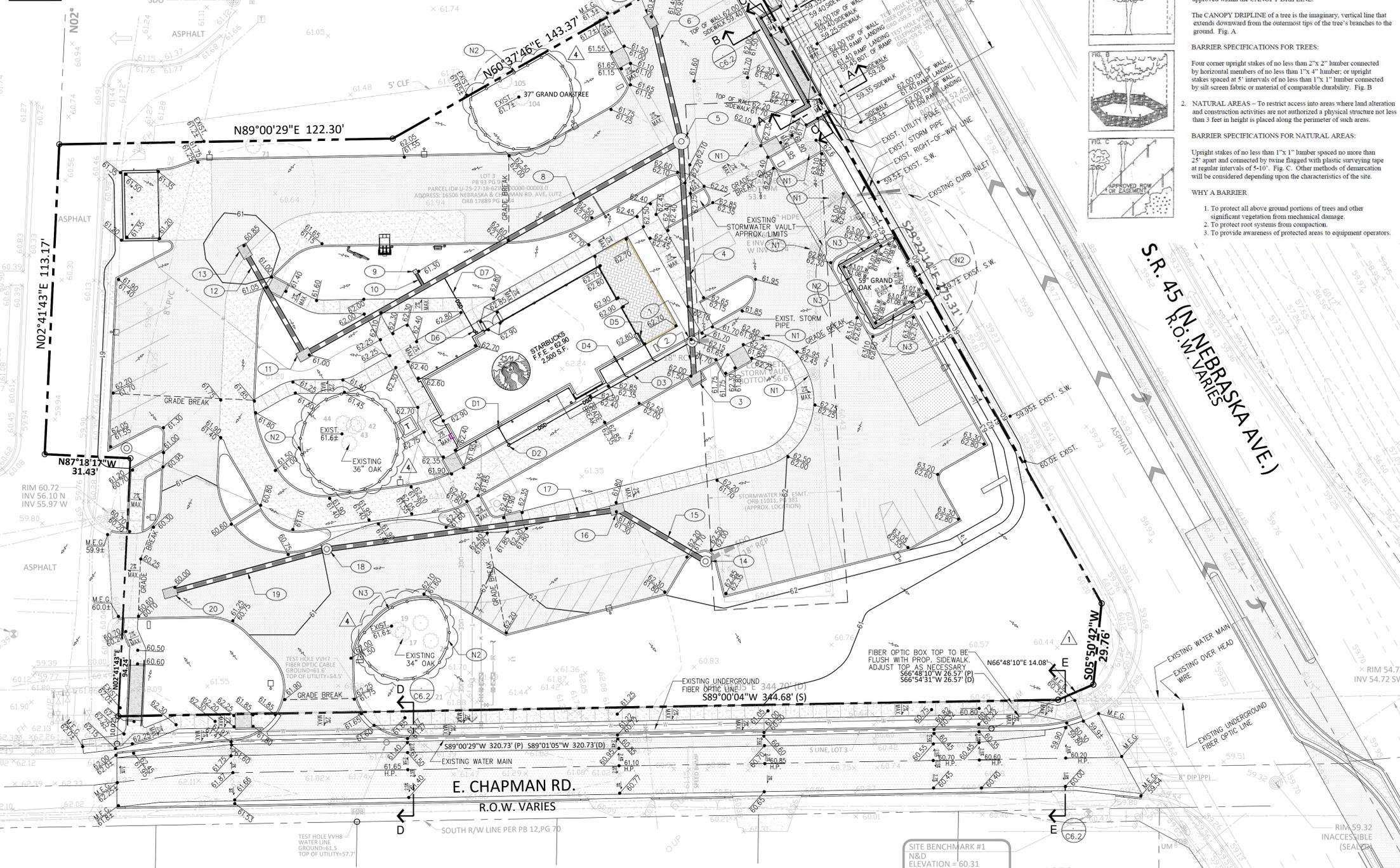
DATE: 08-04-23
 DRAWN: SR
 CHECKED: SC
C3
 UTILITY PLAN
 PROJECT NO.: 2021.187

LEGEND

- PROPOSED ASPHALT PAVEMENT
- EXISTING ASPHALT PAVEMENT
- PROPOSED CONCRETE PAVEMENT
- ASPHALT OVERLAY

LOT 2
 PB 93 PG 94
 PARCEL ID# U-25-27-18-62W-00000-00002.0
 OWNER: SUNTRUST BANK
 ADDRESS: 16506 N NEBRASKA AVE, LUTZ
 ORB 11106 PG 1635

SITE BENCHMARK #2
 N&D
 ELEVATION = 60.86
 DATUM = NAVD 88



PROTECTIVE BARRIER REQUIREMENTS AND SPECIFICATIONS FOR EXISTING TREES TO REMAIN

PROTECTIVE BARRIERS are used during land alteration and construction activities to protect trees and natural areas to be retained on a site.

PROTECTIVE BARRIERS must be erected around TREES to be retained within an area where land alteration and construction activities will occur as well as along NATURAL AREAS where such areas are adjacent to permitted land alteration or construction activities. A PROTECTIVE BARRIER must remain in place until the land alteration and construction activities are completed or until commencement of grade finishing and sodding. No ground disturbance must occur within the barricaded area. The following represents the County's minimum protective barrier specifications.

FIG. A
 1. TREES - To restrict access into the area within the CANOPY DRIPLINE of a tree, a physical structure not less than 3 feet in height, comprised of wood or other suitable material, is placed around the tree at the CANOPY DRIPLINE, except where land alteration or construction activities are approved within the CANOPY DRIPLINE.

The CANOPY DRIPLINE of a tree is the imaginary, vertical line that extends downward from the outermost tips of the tree's branches to the ground. Fig. A

BARRIER SPECIFICATIONS FOR TREES:

Four corner upright stakes of no less than 2"x2" lumber connected by horizontal members of no less than 1"x4" lumber; or upright stakes spaced at 5' intervals of no less than 1"x1" lumber connected by silt screen fabric or material of comparable durability. Fig. B

FIG. B
 2. NATURAL AREAS - To restrict access into areas where land alteration and construction activities are not authorized a physical structure not less than 3 feet in height is placed along the perimeter of such areas.

BARRIER SPECIFICATIONS FOR NATURAL AREAS:

Upright stakes of no less than 1"x1" lumber spaced no more than 25' apart and connected by twine flagged with plastic surveying tape at regular intervals of 5-10'. Fig. C. Other methods of demarcation will be considered depending upon the characteristics of the site.

WHY A BARRIER

- To protect all above ground portions of trees and other significant vegetation from mechanical damage.
- To protect root systems from compaction.
- To provide awareness of protected areas to equipment operators.

GRADING & DRAINAGE NOTES

- 1 4 FT. INTERNAL DIAMETER MANHOLE TOP OF COVER = 61.65 NORTH INVERT = 57.30 (18" HDPE) SOUTH INVERT = 57.40 (18" HDPE) WEST INVERT = 59.30 (10" PVC) EAST INVERT = 57.23 (EXIST. 18" RCP)
- 2 13 LF - 18" HDPE AT 0.4% SLOPE
- 3 FDOT TYPE "C" INLET (INDEX 425-052) TOP OF GRATE = 61.60 INVERT = 57.45
- 4 72 LF - 18" HDPE AT 0.2% SLOPE
- 5 6 FT. INTERNAL DIAMETER MANHOLE TOP OF COVER = 61.60 NORTH INVERT = 57.50 SOUTH INVERT = 57.50 SOUTH INVERT = 57.45
- 6 43 LF - 15" HDPE AT 0.2% SLOPE
- 7 FDOT TYPE "F" INLET (INDEX 425-053) TOP OF GRATE = 60.85 INVERT = 57.60
- 8 155 LF - 18" HDPE AT 0.2% SLOPE
- 9 12" YARD DRAIN INSTALLED WITH NYLOPLAST INLET RISER AND 12" DOME GRATE
- 10 6 LF - 10" PVC AT 1% SLOPE
- 11 FDOT TYPE "C" INLET (INDEX 425-052) TOP OF GRATE = 61.30 NORTHWEST INVERT = 57.85 NORTHEAST INVERT = 57.80
- 12 41 LF - 15" HDPE AT 0.2% SLOPE
- 13 FDOT TYPE "F" INLET (INDEX 425-053) TOP OF GRATE = 60.85 INVERT = 57.95
- 14 4 FT. INTERNAL DIAMETER MANHOLE TOP OF COVER = 62.4 NORTHEAST INVERT = 57.47 (EXIST. 18" RCP) NORTHWEST INVERT = 57.50 (18" HDPE)
- 15 35 LF - 18" HDPE AT 0.2% SLOPE
- 16 FDOT TYPE "F" INLET (INDEX 425-053) TOP OF GRATE = 61.30 SOUTHEAST INVERT = 57.57 WEST INVERT = 57.60
- 17 105 LF - 18" HDPE AT 0.2% SLOPE
- 18 4 FT. INTERNAL DIAMETER MANHOLE TOP OF COVER = 61.10 WEST INVERT = 57.85 EAST INVERT = 57.81 SOUTH INVERT = 57.85
- 19 57 LF - 18" ERCP AT 0.2% SLOPE
- 20 FDOT TYPE "F" INLET (INDEX 425-053) TOP OF GRATE = 60.00 EAST INVERT = 57.96
- D1 7 LF - 8" PVC AT 1% MINIMUM SLOPE
- D2 CLEANOUT INVERT = 59.90
- D3 77 LF 10" PVC AT 0.7% MINIMUM SLOPE
- D4 7 LF - 8" PVC AT 1% MINIMUM SLOPE
- D5 13 LF - 8" PVC AT 1% MINIMUM SLOPE
- D6 CLEANOUT INVERT = 59.35
- D7 23 LF 8" PVC AT 1% MINIMUM SLOPE
- N1 ADJUST EXISTING MANHOLE TOP TO PROPOSED ELEVATION
- N2 TREE PROTECTION BARRICADE
- N3 ROOT PRUNING AREA

NATURAL RESOURCES NOTES:

ALL TREES TO REMAIN MUST BE PROTECTED BY TREE PROTECTION BARRICADES MEETING THE MINIMUM STANDARDS. PROTECTIVE BARRICADES SHALL REMAIN IN PLACE UNTIL LAND ALTERATION AND CONSTRUCTION ACTIVITIES ARE COMPLETED. PROTECTIVE BARRICADE SYMBOLS MUST BE SHOWN AROUND TREES TO BE RETAINED AS IDENTIFIED ON THE TREE SURVEY. TREES REQUIRING SPECIAL DESIGN CONSIDERATIONS (I.E., POROUS PAVEMENT, TREE AERATION SYSTEMS) MUST HAVE TREE BARRICADED IDENTIFIED AT THE PERIMETER OF THE SPECIAL DESIGN MATERIAL.

DURING LAND ALTERATION AND CONSTRUCTION ACTIVITIES, IT SHALL BE UNLAWFUL TO REMOVE VEGETATION BY GRUBBING OR TO PLACE SOIL DEPOSITS, DEBRIS, SOLVENTS, CONSTRUCTION MATERIAL, MACHINERY OR OTHER EQUIPMENT OF ANY KIND WITHIN THE DRIPLINE OF A TREE TO REMAIN ON THE SITE UNLESS OTHERWISE APPROVED BY THE COUNTY.

ALL TREE ROOTS EXISTING WITHIN APPROVED IMPROVEMENT AREAS AND ORIGINATING FROM A PROTECTED TREE, SHALL BE SEVERED CLEAN AT THE LIMITS OF THE PRESERVED AREA. A SPECIAL NOTE IDENTIFYING THE PRUNING TECHNIQUES/EQUIPMENT TO BE UTILIZED AND GRAPHIC DEPICTION OF WHERE ROOT PRUNING IS REQUIRED MUST BE NOTED ON THE GRADING SHEET OR BY TEXTING S OR SCHEDULE TO (844) 529-6141, WHEN PROMPTED USE CODE 932.

ALL TRIMMING UNDERTAKEN ON A TREE PROTECTED BY THE PROVISIONS OF THE LAND DEVELOPMENT CODE SHALL BE IN ACCORDANCE WITH THE AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) A-300 PRUNING STANDARDS. THIS INFORMATION MUST BE CLEARLY IDENTIFIED ON THE SITE DEVELOPMENT CONSTRUCTION PLANS.

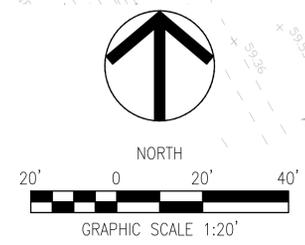
PRUNING OF A GRAND OAK, WITH THE EXCEPTION OF MINOR PRUNING, IS PROHIBITED UNLESS CONDUCTED IN ACCORDANCE WITH THE ANSI A-300 PRUNING STANDARDS. THIS WORK IS RECOMMENDED TO BE PERFORMED BY AN ARBORIST CERTIFIED BY THE INTERNATIONAL SOCIETY OF ARBORICULTURE (ISA) OR A REGISTERED CONSULTING ARBORIST WITH THE AMERICAN SOCIETY OF CONSULTING ARBORISTS (ASCA). THE PROPERTY OWNER SHALL ASSUME FULL RESPONSIBILITY FOR ALL PRUNING ACTIVITIES DETERMINED IN NONCOMPLIANCE WITH STANDARDS SPECIFIED WITHIN THE LAND DEVELOPMENT CODE.

THE STARBUCKS RUNOFF FROM THE PROJECT AREA WILL BE CONVEYED TO AN EXISTING VAULT SYSTEM PERMITTED UNDER ENVIRONMENTAL RESOURCE PERMIT (ERP) NO. 44001616.001 WHERE WATER QUALITY TREATMENT AND QUANTITY ATTENUATION WILL BE PROVIDED. WATER QUALITY TREATMENT WILL BE PROVIDED THROUGH EFFLUENT FILTRATION. THE SUPPORTING CALCULATION PROVIDED BELOW DEMONSTRATES THAT THE POST DEVELOPMENT CURVE NUMBER DOES NOT INCREASE THE PREVIOUSLY APPROVED CURVE NUMBER OF 95.96.

PROJECT AREA = 74,937 S.F.
 PERVIOUS AREA = 29,863 S.F. (39.9%)
 IMPERVIOUS AREA = 45,074 S.F. (60.1%)
 WEIGHTED CURVE NUMBER = 29,863 S.F. (78) + 45,074 S.F. (98) = 90

REFER TO SHEET C0 FOR GENERAL NOTES, SPECIFICATIONS AND LEGENDS IN ADDITION TO SITE SPECIFIC NOTES AND REQUIREMENTS.

CONTRACTOR'S NOTE:
 CONTRACTOR SHALL PROVIDE A COMPREHENSIVE ASBUILT SURVEY FOR THE PROJECT AS REQUIRED BY THE GOVERNING AGENCY. CONTACT THE ENGINEER OF RECORD FOR THE REQUIREMENTS OF THE AS-BUILT SURVEY BEFORE START OF CONSTRUCTION.



GRADING AND DRAINAGE PLAN 1 : 20'

Z DEVELOPMENT
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 CA 29354
 708 E. COLONIAL DR., STE. 100
 ORLANDO, FL 32803
 PH: (407) 271-8910
 FAX: (407) 442-0604

REVISION	DATE	REVISION	DATE
1	10-25-23	1	10-25-23
2	01-25-24	2	01-25-24

STARBUCKS
 16506 NEBRASKA AVENUE
 LUTZ, FLORIDA

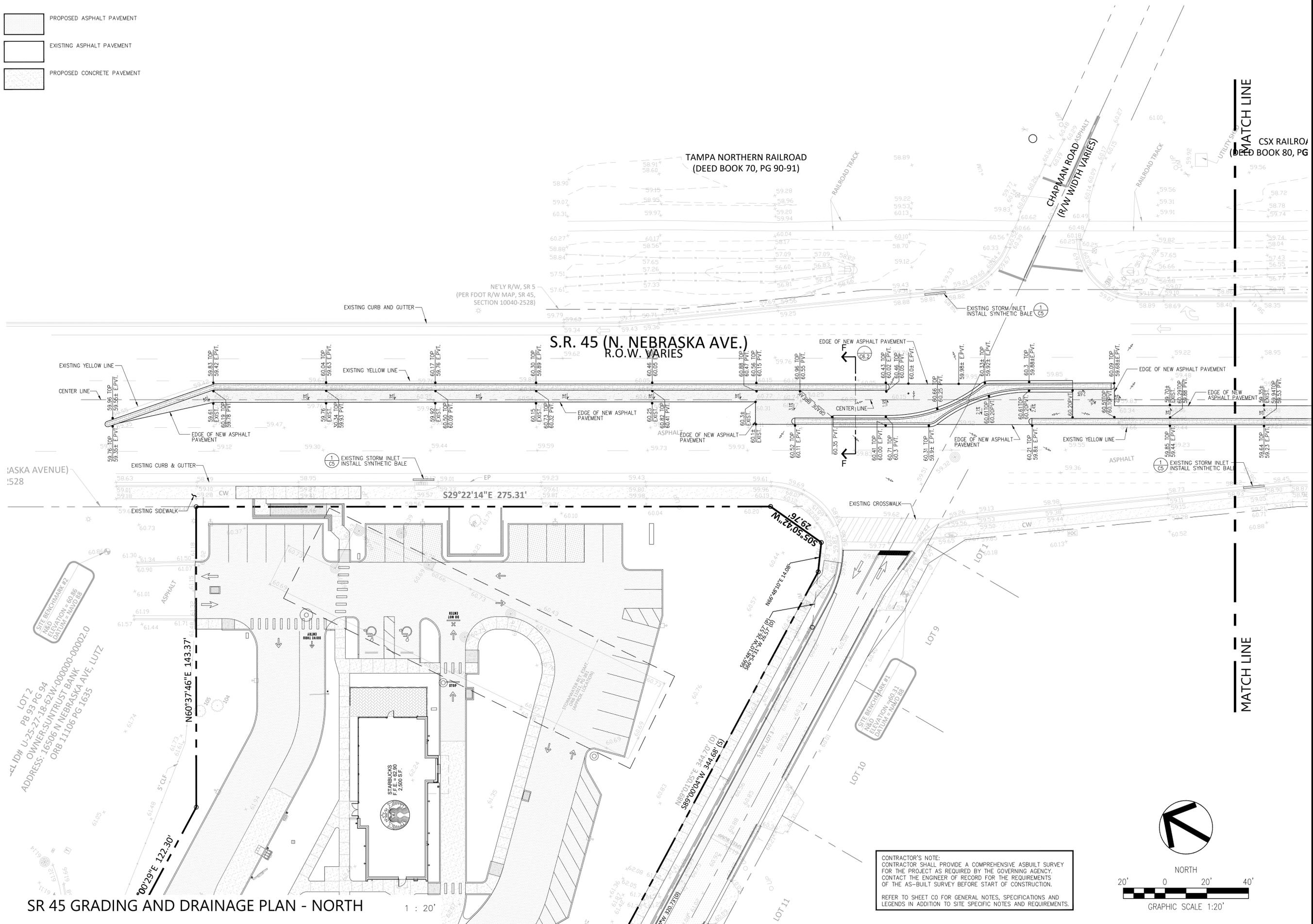
DATE: 08-04-23
 DRAWN: SR
 CHECKED: SC

C4
 GRADING & DRAINAGE PLAN

PROJECT NO.: 2021.187

LEGEND

-  PROPOSED ASPHALT PAVEMENT
-  EXISTING ASPHALT PAVEMENT
-  PROPOSED CONCRETE PAVEMENT



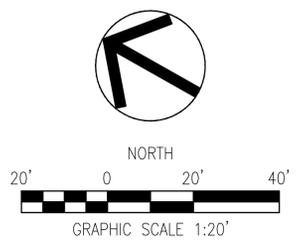
SR 45 GRADING AND DRAINAGE PLAN - NORTH 1 : 20'

LOT 2
 PB 93 PG 94
 OWNER: SUNTRUST BANK
 ADDRESS: 16506 N NEBRASKA AVE, LUTZ
 ORB 11106 PG 1635

LOT 9
 SITE BENCHMARK #2
 IND. ELEVATION = 60.85
 DATUM = NAD 83

LOT 10
 SITE BENCHMARK #1
 IND. ELEVATION = 60.31
 DATUM = NAD 83

CONTRACTOR'S NOTE:
 CONTRACTOR SHALL PROVIDE A COMPREHENSIVE AS-BUILT SURVEY FOR THE PROJECT AS REQUIRED BY THE GOVERNING AGENCY. CONTACT THE ENGINEER OF RECORD FOR THE REQUIREMENTS OF THE AS-BUILT SURVEY BEFORE START OF CONSTRUCTION.
 REFER TO SHEET C0 FOR GENERAL NOTES, SPECIFICATIONS AND LEGENDS IN ADDITION TO SITE SPECIFIC NOTES AND REQUIREMENTS.



REVISION	DATE	REVISION	DATE
1	02-05-24		
FOOT COMMENTS			

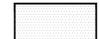
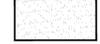
SARAH CHLOTTA, P.E.
 FL REG. # 87443

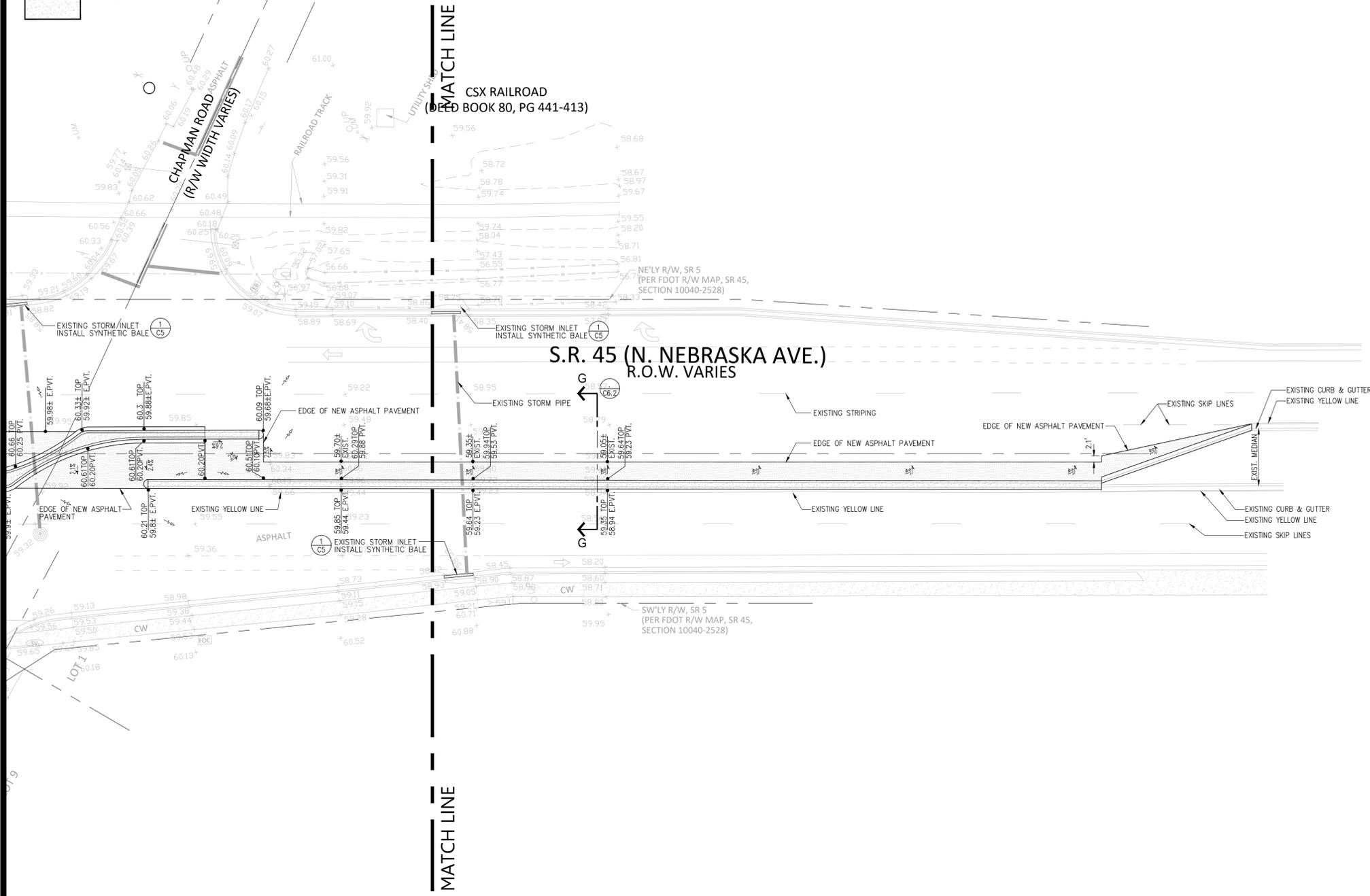
STARBUCKS
 16506 NEBRASKA AVENUE
 LUTZ, FLORIDA

DATE: 08-04-23
 DRAWN: SR
 CHECKED: SC

C4.1
 SR 45 DIRECTIONAL
 MEDIAN GRADING -
 NORTH

LEGEND

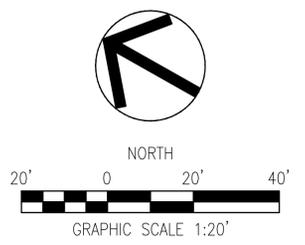
-  PROPOSED ASPHALT PAVEMENT
-  EXISTING ASPHALT PAVEMENT
-  PROPOSED CONCRETE PAVEMENT



SR 45 GRADING AND DRAINAGE PLAN - SOUTH

1 : 20'

CONTRACTOR'S NOTE:
 CONTRACTOR SHALL PROVIDE A COMPREHENSIVE AS-BUILT SURVEY FOR THE PROJECT AS REQUIRED BY THE GOVERNING AGENCY. CONTACT THE ENGINEER OF RECORD FOR THE REQUIREMENTS OF THE AS-BUILT SURVEY BEFORE START OF CONSTRUCTION.
 REFER TO SHEET C0 FOR GENERAL NOTES, SPECIFICATIONS AND LEGENDS IN ADDITION TO SITE SPECIFIC NOTES AND REQUIREMENTS.



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REVISION	DATE	REVISION	DATE
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FOOT COMMENTS			

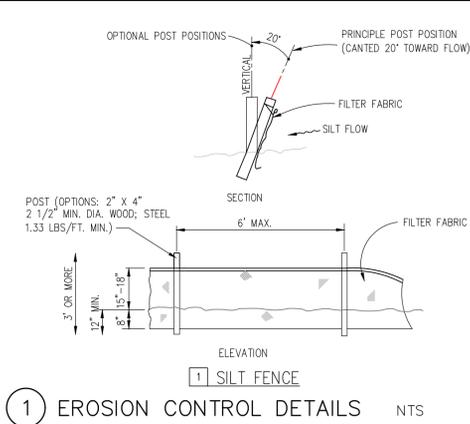
SARAH CHLOTTA, P.E.
 FL REG. # 87473

STARBUCKS
16506 NEBRASKA AVENUE
LUTZ, FLORIDA

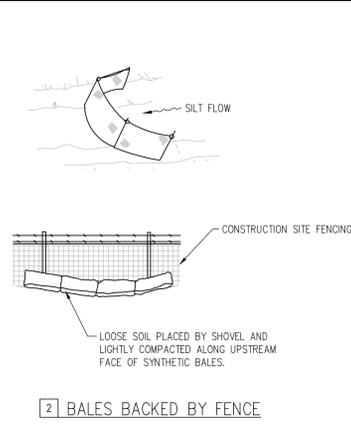
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C4.2
 SR 45 DIRECTIONAL
 MEDIAN GRADING -
 SOUTH

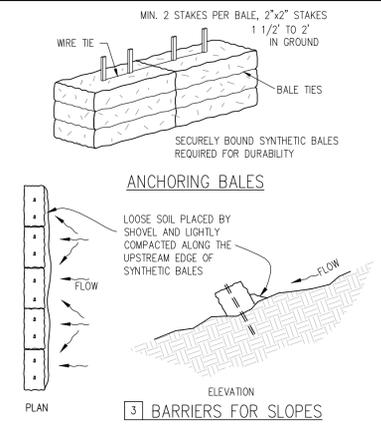
PROJECT NO.: 2021.187



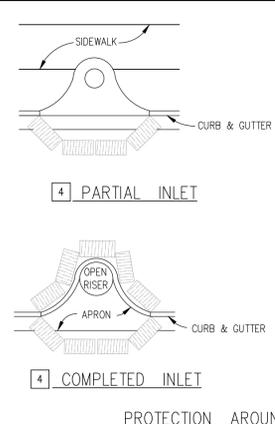
1 EROSION CONTROL DETAILS NTS



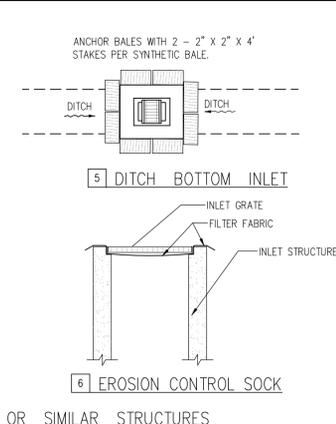
2 BALES BACKED BY FENCE



3 BARRIERS FOR SLOPES



4 COMPLETED INLET



5 DITCH BOTTOM INLET

PROTECTION AROUND INLETS OR SIMILAR STRUCTURES

POLLUTION CONTROL NOTES

- ALL EROSION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL COMPLETION OF CONSTRUCTION.
- ALL EROSION AND SEDIMENT CONTROL WORK SHALL CONFORM WITH LOCAL CITY/COUNTY AND WATER MANAGEMENT DISTRICT SPECIFICATIONS, SUBJECT TO AUTHORIZED AND APPROVED VARIANCES, WAIVERS AND/OR CONDITIONS OF SITE PERMITS.
- EROSION AND SEDIMENT CONTROL MEASURES SHALL BE PLACED PRIOR TO OR AS THE FIRST STEP IN CONSTRUCTION. SEDIMENT CONTROL PRACTICES WILL BE APPLIED AS A PERIMETER DEFENSE AGAINST ANY TRANSPORTATION OF SILT OFF THE SITE.
- ALL AREAS AFFECTED BY THIS WORK SHALL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN EXISTING CONDITION, UNLESS SPECIFICALLY EXEMPTED BY THE PLANS. THE COST FOR SUCH RESTORATION SHALL BE INCIDENTAL TO OTHER CONSTRUCTION AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.
- THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY DISCREPANCIES BETWEEN THESE PLANS AND FIELD CONDITIONS PRIOR TO CONSTRUCTION.
- PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL PROVIDE TREE PROTECTION BARRIERS TO MEET THE REQUIREMENTS OF LOCAL SPECIFICATIONS.
- THE CONTRACTOR SHALL SELECTIVELY CLEAR ONLY THE AREAS REQUIRED FOR CONSTRUCTION AND STABILIZE ANY POTENTIAL EROSION AREAS IMMEDIATELY FOLLOWING COMPLETION OF CONSTRUCTION.
- CONTRACTOR SHALL KEEP ANY AND ALL SAND, SILT OR OTHER DEBRIS FROM MOVING OFF-SITE. USE AND MAINTAIN SILT FENCE JUST INSIDE OF PROPERTY LINE.
- CONTRACTOR SHALL BLOCK INTRUSION OF SAND, SILT OR OTHER DEBRIS INTO ANY DRAINAGE OR SANITARY SEWER STRUCTURE OR PIPING ON OR ADJACENT TO SITE.
- ALL CLEARED AREAS FOR IMPROVEMENT AND/OR CONSTRUCTION SHALL BE WATERED TO PREVENT WIND EROSION.
- FOR ADDITIONAL INFORMATION AND DETAILS, SEE STATE OF FLORIDA'S EROSION AND SEDIMENT CONTROL MANUAL.
- UNLESS SPECIFIED, SILT FENCES MAY BE USED IN LIEU OF SYNTHETIC BARRIERS.
- ADDITIONAL BARRIER LENGTHS MAY BE REQUIRED BY THE CITY/COUNTY ENGINEER OR BY REGULATORY AGENCIES.
- FILTER FABRIC MUST BE INSTALLED UNDER ALL INLET GRATES, AT ALL TIMES WHEN INLETS ARE NOT PROTECTED BY SILT FENCE OR SYNTHETIC BALES, UNTIL THE LIMEROCK BASE IS FINISHED AND PRIMED.
- THE CONTRACTOR IS REQUIRED TO HAVE THIS PLAN ALONG WITH A COPY OF THE NPDES NOTICE OF INTENT POSTED IN A VISIBLE LOCATION ON THE CONSTRUCTION SITE AT ALL TIMES.
- CONTRACTOR IS REQUIRED BY NPDES TO KEEP A LOG ON SITE FOR THE SOIL EROSION AND SEDIMENT CONTROL MEASURES INDICATED ON THE PLAN. THE LOG SHALL CONTAIN DATES FOR: INSTALLATION OF CONTROL MEASURES, MAJOR SITE CONSTRUCTION ACTIVITIES, INSPECTION ON AT LEAST A WEEKLY BASIS AND INSPECTION AFTER ANY RAINFALL EVENT THAT IS 1/2" OR GREATER.
- THE CONTRACTOR IS REQUIRED TO SUBMIT A NOTICE OF TERMINATION TO THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION UPON THE COMPLETION OF CONSTRUCTION.
- CONTRACTOR SHALL RETAIN ALL RECORDS FOR A PERIOD OF THREE YEARS FOLLOWING THE NOTICE OF TERMINATION.
- NON STORMWATER DISCHARGES SUCH AS FIRE HYDRANT FLUSHING, ETC SHALL BE DISCHARGED TO EXISTING UNDERGROUND STORMWATER FACILITY OR ON SITE RETENTION POND.
- ANY POTENTIALLY HAZARDOUS CHEMICALS BROUGHT ONTO THE JOB SITE WILL BE LIMITED AND KEPT IN ORIGINAL CONTAINER WITH MSDS LABEL.
- NO SILT SHALL BE TRACKED ONTO PUBLIC ROADWAYS. ANY SILT DEPOSITED ON PUBLIC ROADWAYS SHALL BE REMOVED BY THE END OF THE WORK DAY.

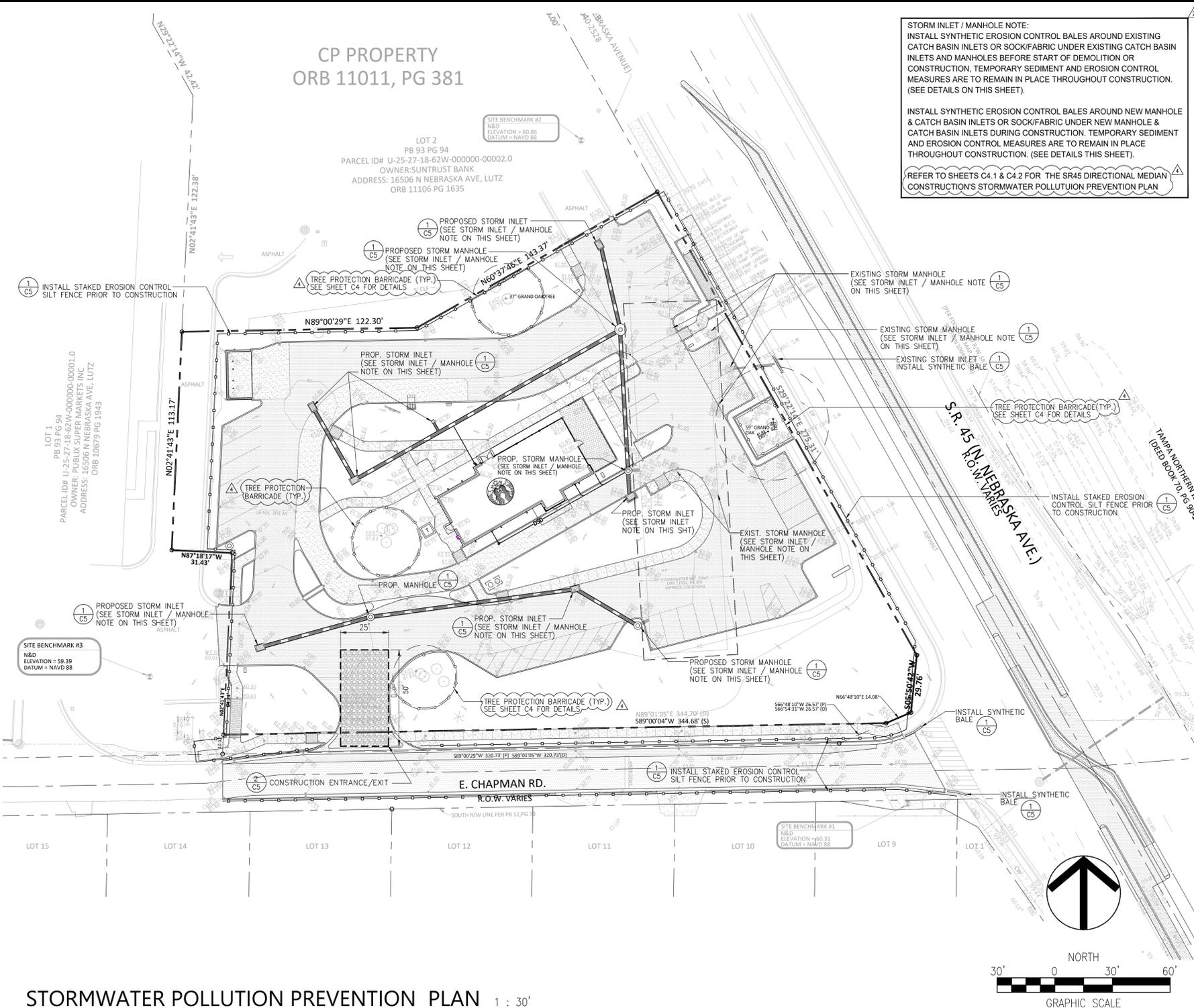
Z DEVELOPMENT
S e r v i c e s
CA 29354

REVISION	DATE	REVISION	DATE
1	10-25-23		
2	01-25-24		

SARAH CULOTTA, P.E. STATE OF FLORIDA PROFESSIONAL ENGINEER LICENSE NO. 87413. THIS ITEM HAS BEEN SEALED BY SARAH CULOTTA, P.E. ON THE DATE INDICATED HERE USING A SHA AUTHENTICATION CODE. PRINTED COPIES SIGNED AND SEALED AND THE SHA AUTHENTICATION CODE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.
SARAH CULOTTA, P.E. FL. REG. # 87413

STARBUCKS
16506 NEBRASKA AVENUE
LUTZ, FLORIDA

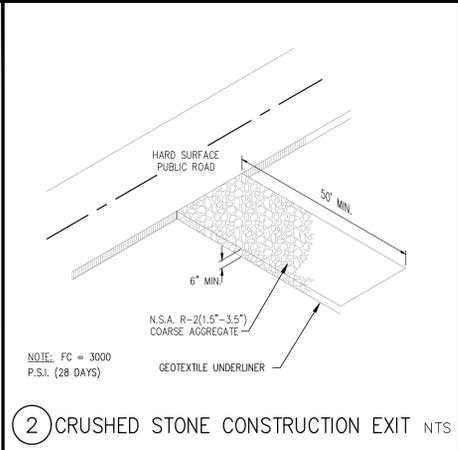
DATE: 08-04-23
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CHECKED: SC
C5
STORMWATER POLLUTION PREVENTION PLAN
PROJECT NO.: 2021.187



STORM INLET / MANHOLE NOTE:
INSTALL SYNTHETIC EROSION CONTROL BALES AROUND EXISTING CATCH BASIN INLETS OR SOCK/FABRIC UNDER EXISTING CATCH BASIN INLETS AND MANHOLES BEFORE START OF DEMOLITION OR CONSTRUCTION. TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES ARE TO REMAIN IN PLACE THROUGHOUT CONSTRUCTION. (SEE DETAILS ON THIS SHEET).

INSTALL SYNTHETIC EROSION CONTROL BALES AROUND NEW MANHOLE & CATCH BASIN INLETS DURING CONSTRUCTION. TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES ARE TO REMAIN IN PLACE THROUGHOUT CONSTRUCTION. (SEE DETAILS THIS SHEET).

REFER TO SHEETS C4.1 & C4.2 FOR THE SR45 DIRECTIONAL MEDIUM CONSTRUCTION'S STORMWATER POLLUTION PREVENTION PLAN



2 CRUSHED STONE CONSTRUCTION EXIT NTS

TOTAL AREA (SF) (AC)	*DISTURBED AREA (SF) (AC)	UNDISTURBED AREA (SF) (AC)	IMPERVIOUS* AREA (SF) (AC)	PERVIOUS* AREA (SF) (AC)
74,937 1.720	74,937 1.720	0 0	42,280 0.971	32,657 0.749

*IMPERVIOUS + PERVIOUS = DISTURBED

Stormwater Pollution Prevention Plan Inspection Report Form
Inspections must occur at least once a week and within 24 hours of the end of a storm event that is 0.50 inches or greater.
Project Name: STARBUCKS
FDEP NPDES Stormwater Identification Number:

LOCATION	RAIN DATA	TYPE OF CONTROL	DATE INSTALLED	CURRENT CONDITION / CORRECTIVE ACTION

Condition Codes:
G = Good M = Marginal, needs maintenance or replacement soon
P = Poor, needs immediate maintenance or replacement C = Needs to be cleaned
O = Other

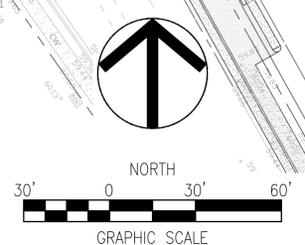
Control Type Codes	Control Type Codes	Control Type Codes
1. Silt Fence	10. Storm drain inlet protection	19. Reinforced soil retaining system
2. Earth dikes	11. Vegetative buffer strip	20. Gabion
3. Structural diversion	12. Vegetative preservation area	21. Sediment Basin
4. Swale	13. Retention Pond	22. Temporary seed / sod stabilization
5. Sediment Trap	14. Construction entrance	23. Permanent seed / sod stabilization
6. Check dam	15. Perimeter ditch	24. Mulch
7. Subsurface drain	16. Curb and gutter	25. Hay Bales
8. Pipe slope drain	17. Paved road surface	26. Geotextile
9. Level spreaders	18. Rock outlet protection	27. Rip-rap
28. Tree protection	31. Waste disposal/housekeeping	33. Sand Bag
29. Detention pond	32. Dam	34. Other
30. Retention pond		

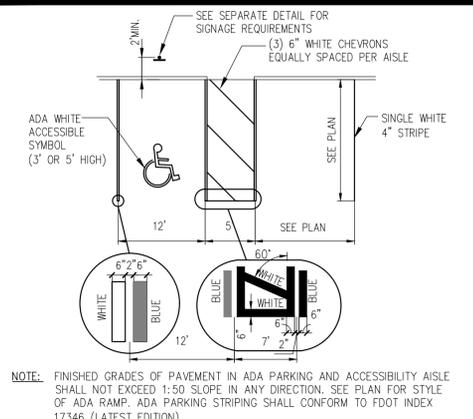
CONTRACTOR(S) AND SUBCONTRACTOR(S) THAT IMPLEMENT ANY PART OF THE EROSION/POLLUTION CONTROL MEASURES REQUIRED BY THE NPDES PERMIT SHALL SIGN BELOW:

ENGINEER'S CERTIFICATION:
I certify under penalty of law that I understand, and shall comply with, the terms and conditions of the State of Florida Generic Permit for Stormwater Discharge from Large and Small Construction Activities and this Stormwater Pollution Prevention Plan prepared thereunder.

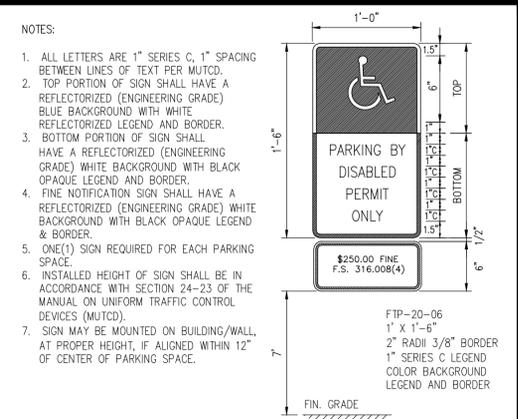
OWNER/AUTHORIZED REPRESENTATIVE: _____ Date _____

NOTE: THIS EXAMPLE INSPECTION LOG IS GIVEN FOR REFERENCE PURPOSES. THIS OR A SIMILAR FORM IS REQUIRED PER NOTE 16.

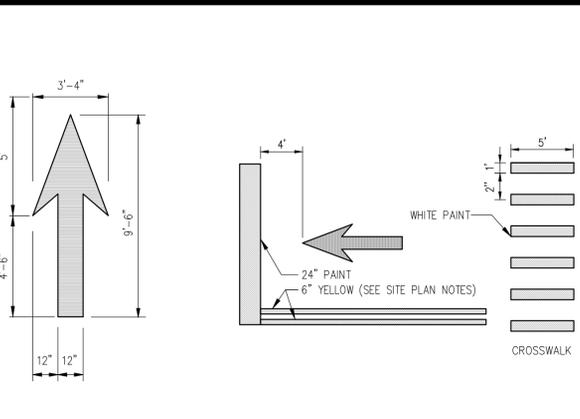




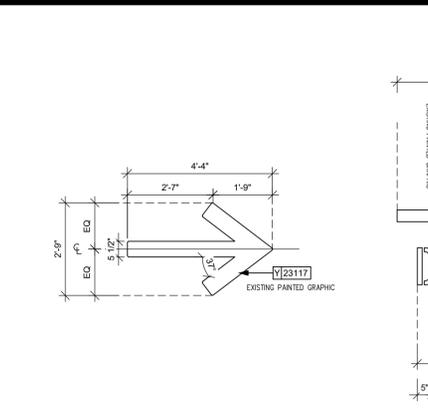
1 ACCESSIBLE PARKING STRIPING NTS
(REFER. FDOT INDEX 711-001)



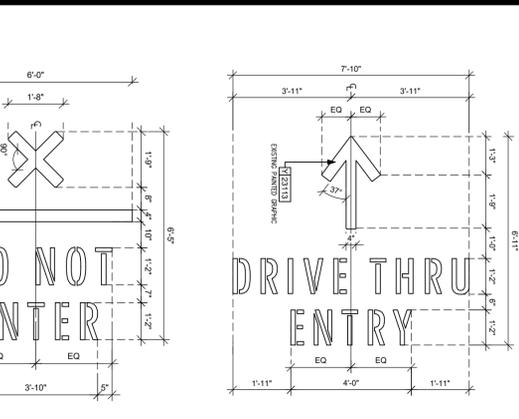
2 ACCESSIBLE PARKING SIGN NTS
(REFER. FDOT INDEX 700-102)



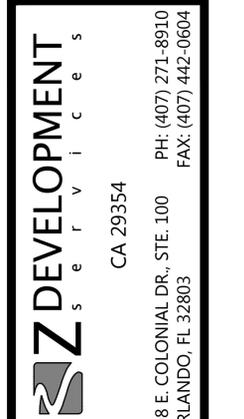
3 PAVEMENT MARKINGS NTS
(REFER. FDOT INDEX 711-001)



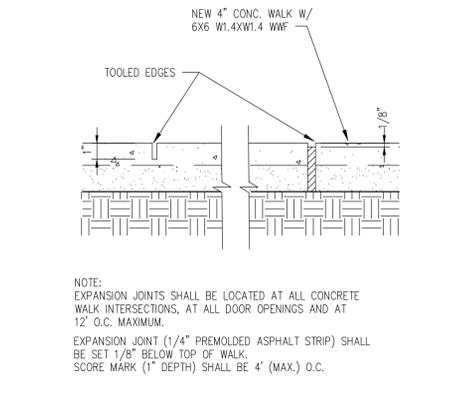
4 CONCRETE WALK NTS
(3,000 PSI (MIN))



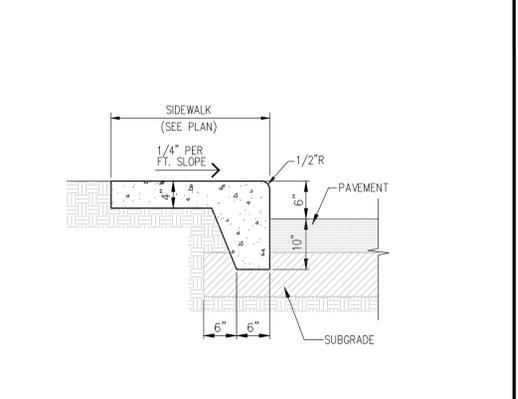
5 MONOLITHIC CURB & SIDEWALK NTS
(3,000 PSI (MIN))



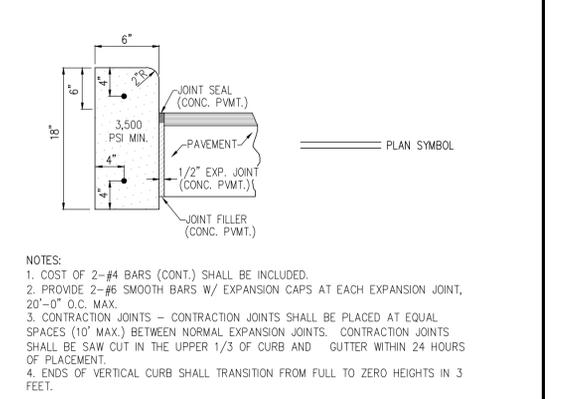
6 6" VERTICAL CURB NTS
(REFER. FDOT INDEX 520-001)



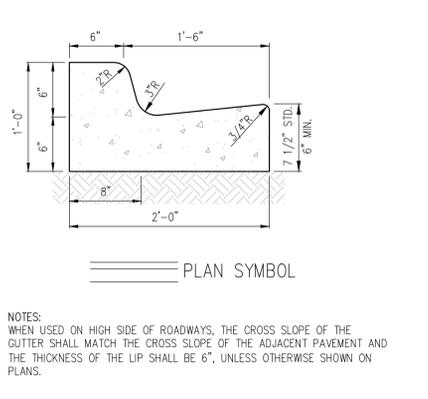
7 TYPE "F" CURB & GUTTER NTS
(REFER. FDOT INDEX 520-001)



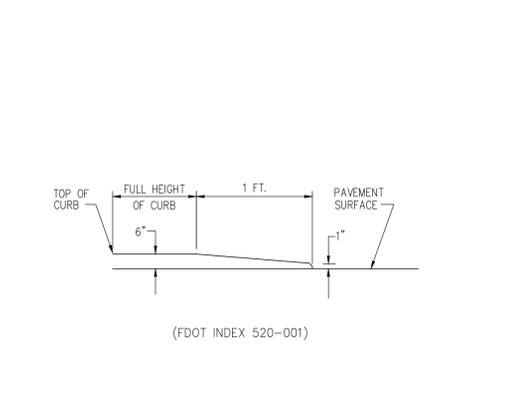
8 TRANSITION CURB NTS
(MODIFIED)



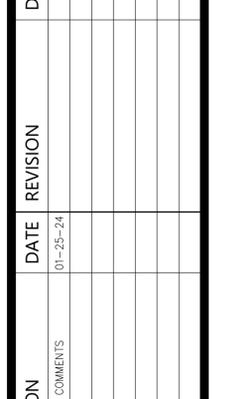
9 VALLEY GUTTER NTS
(REF. FDOT INDEX 520-001)



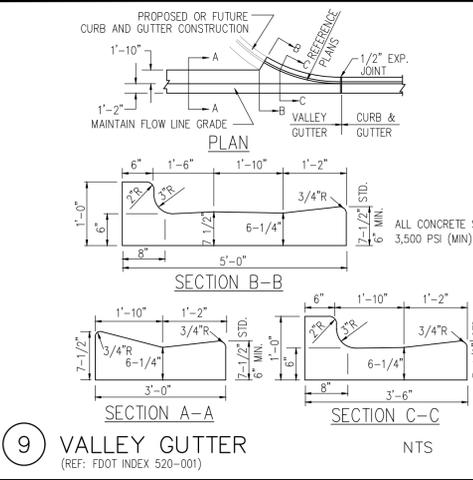
10 TYPICAL PAVEMENT SECTION NTS



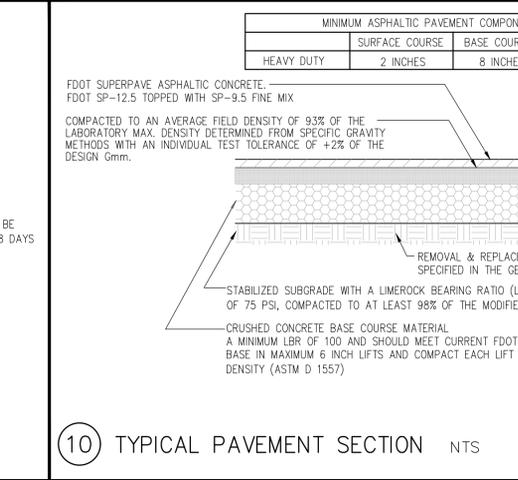
11 REINFORCED CONCRETE PAVEMENT NTS



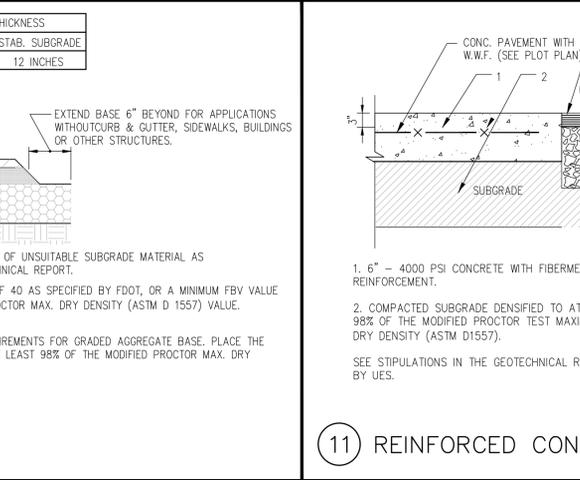
12 CONCRETE APRON NTS
(4,000 PSI (MIN.) CONCRETE)



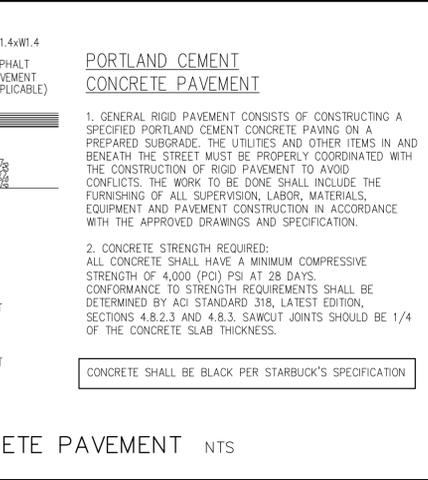
13 ACCESSIBLE RAMP E NTS
FDOT 522-002 CR-E, 3000 PSI (MIN.) CONCRETE



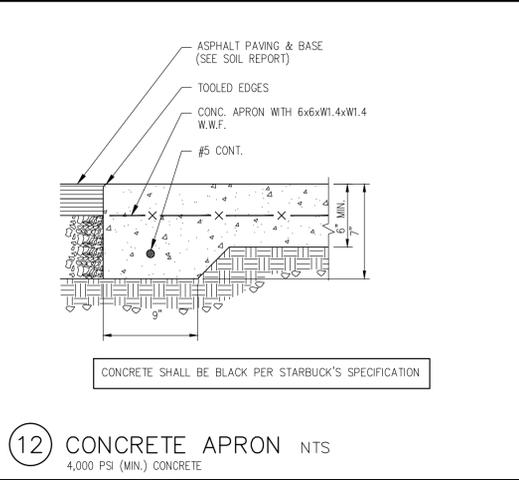
14 ACCESSIBLE RAMP G NTS
FDOT 522-002 CR-G, 3000 PSI (MIN.) CONCRETE



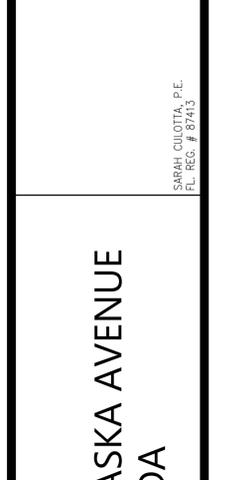
15 ACCESSIBLE RAMP NTS
3000 PSI (MIN.) CONCRETE



16 RIGHT-OF-WAY ASPHALT PAVEMENT NTS



17 ACCESSIBLE RAMP D NTS
3000 PSI (MIN.) CONCRETE



18 ACCESSIBLE RAMP DETAILS

STARBUCKS
16506 NEBRASKA AVENUE
LUTZ, FLORIDA

DATE: 08-04-23
DRAWN: SR
CHECKED: SC

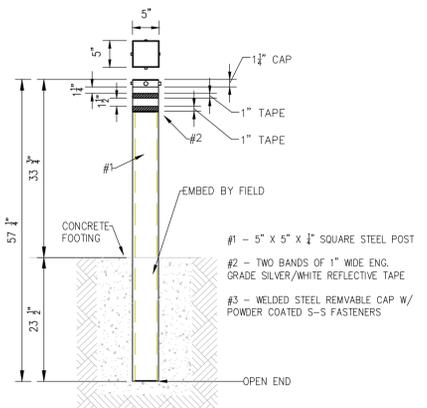
C6
CONSTRUCTION
DETAILS

PROJECT NO.: 2021.187

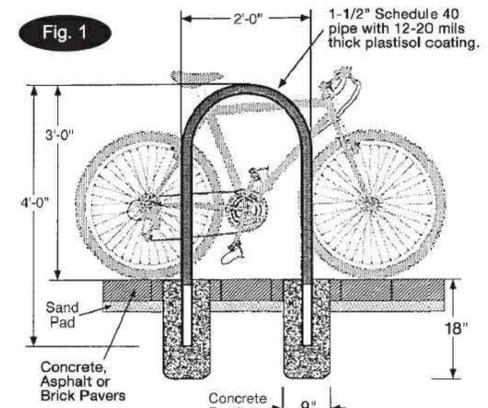
Z DEVELOPMENT
e r v i c e s
CA 29354

708 E. COLONIAL DR., STE. 100
ORLANDO, FL 32803
PH: (407) 271-8910
FAX: (407) 442-0604

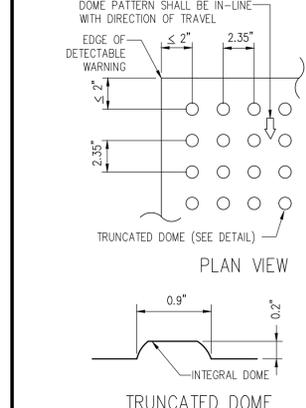
REVISION	DATE	REVISION	DATE
1	01-25-24		
COUNTY COMMENTS			



1 NON-ILLUMINATED BOLLARD NTS



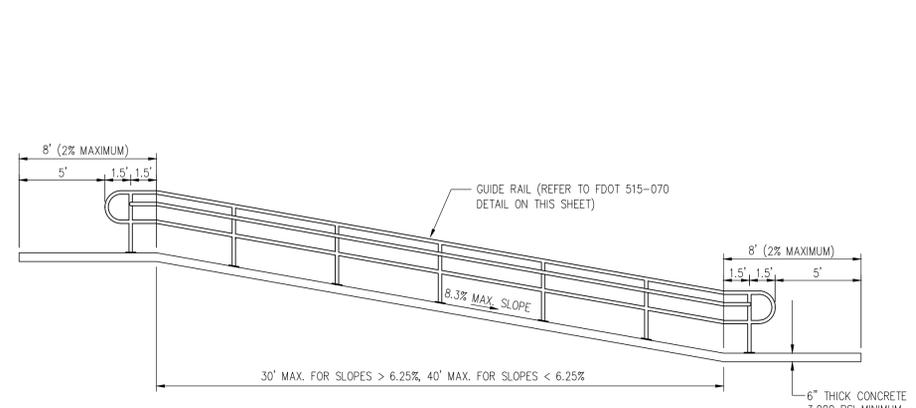
2 BICYCLE RACK NTS



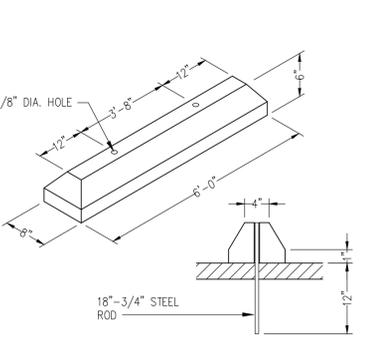
3 DETECTABLE WARNING NTS

NOTE:
 1. CURB RAMP RUNNING SLOPES SHALL NOT BE STEEPER THAN 1:12 AND CROSS SLOPE SHALL BE 0.02 OR FLATTER.
 2. DETECTABLE WARNING SURFACES SHALL BE CONSTRUCTED BY TEXTURING OR APPLYING A TRUNCATED DOME MATERIAL IN ACCORDANCE WITH THE AMERICANS WITH DISABILITIES ACT STANDARD FOR TRANSPORTATION FACILITIES, SECTION 705. TRANSITION SLOPES ARE NOT TO HAVE DETECTABLE WARNINGS.
 3. WHERE A CURB RAMP IS CONSTRUCTED WITHIN AN EXISTING CURB, CURB AND GUTTER AND/OR SIDEWALK, THE EXISTING CURB OR CURB AND GUTTER SHALL BE REMOVED TO THE NEAREST JOINT BEYOND THE CURB TRANSITIONS OR TO THE EXTENT THAT NO REMAINING SECTION OF CURB OR CURB AND GUTTER IS LESS THAN 5' LONG. THE EXISTING SIDEWALK SHALL BE REMOVED TO THE NEAREST JOINT BEYOND THE TRANSITION SLOPE WALK AROUND OR TO THE EXTENT THAT NO REMAINING SECTION OF SIDEWALK IS LESS THAN 5'.
 4. WHERE ADJACENT WALKING SURFACES ARE COLORED OR ARE CONSTRUCTED WITH MATERIALS OTHER THAN STANDARD CLASS I PORTLAND CEMENT CONCRETE IN ACCORDANCE WITH SECTION 522 OF THE SPEC. THE PLAN MUST PROVIDE FOR DETECTABLE WARNING SURFACE COLORS OR MATERIALS THAT PROVIDE THE NECESSARY CONTRAST, EITHER DARK-ON-LIGHT OR LIGHT-ON-DARK. (SAFETY YELLOW OR BRICK RED)
 5. RECOMMENDED MANUFACTURER:
 ENGINEERED PLASTICS, INC. (ARMOR TILE) OLYMPIC TOWERS
 300 PEARL STREET
 SUITE 200
 BUFFALO, NY 14202

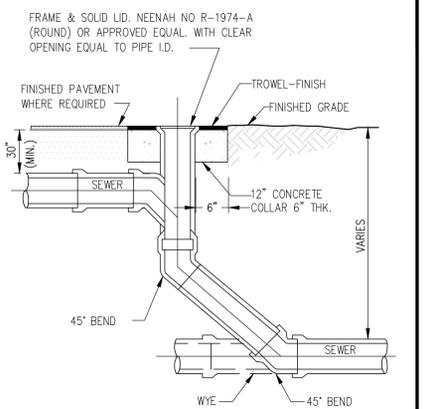
4 ACCESSIBLE RAMP NTS



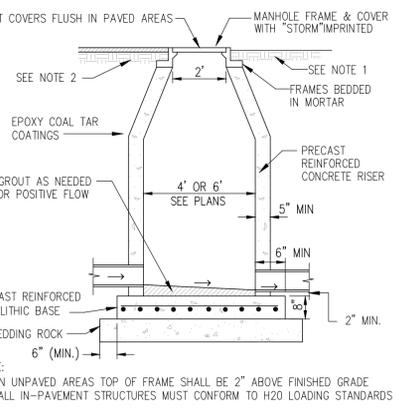
4 ACCESSIBLE RAMP NTS



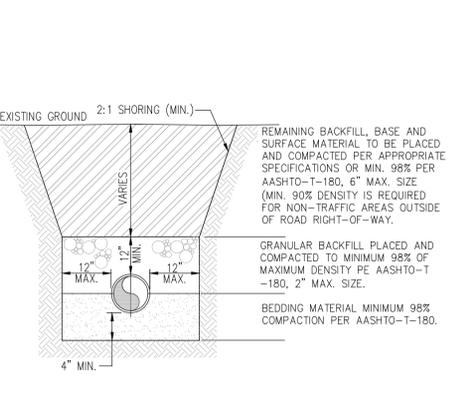
5 CONCRETE WHEEL STOP NTS



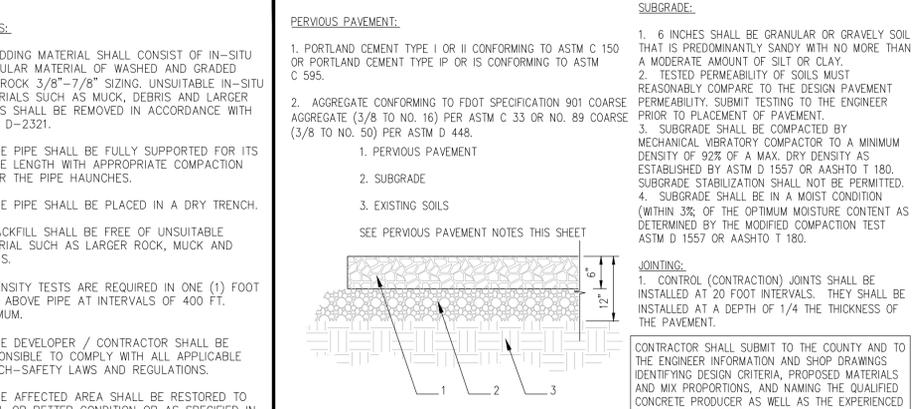
6 DROP CLEANOUT NTS



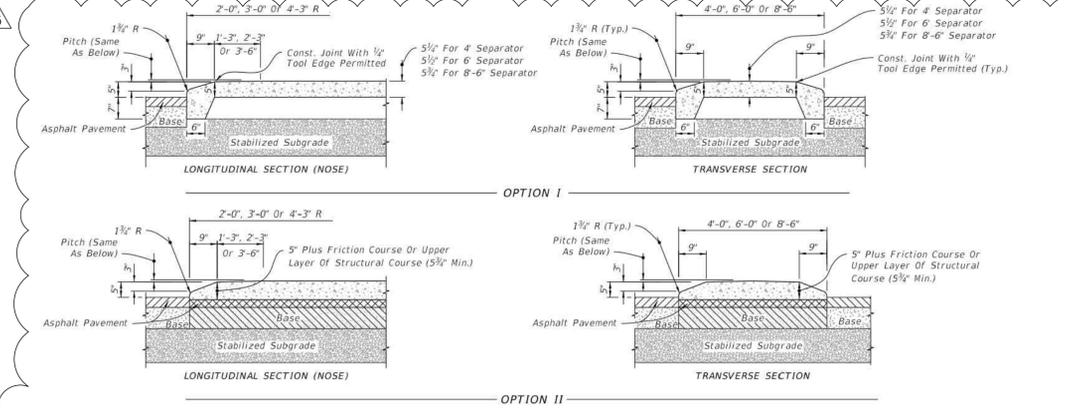
7 STORM MANHOLE NTS



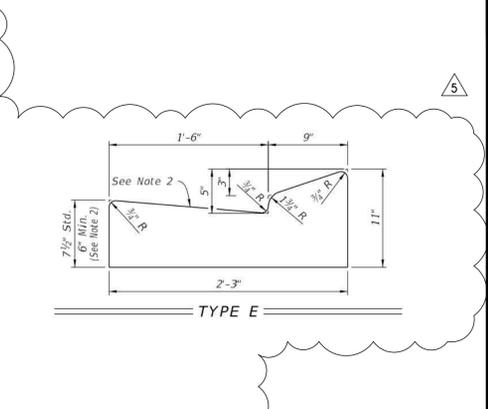
8 STORM PIPE TRENCH DETAIL NTS



10 PERVIOUS PAVEMENT NTS (INTERNAL PARKING AREA)



11 CONCRETE TRAFFIC SEPARATOR NTS



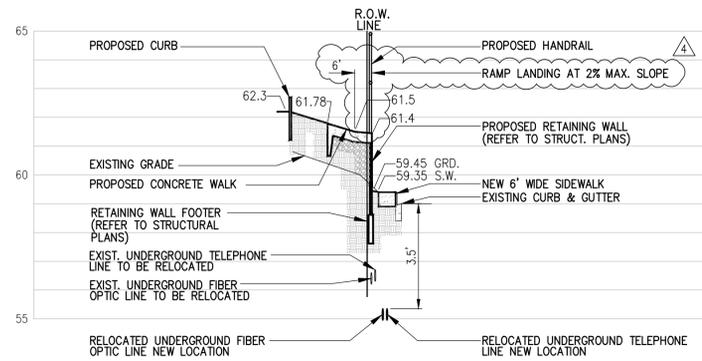
12 TYPE "E" CURB NTS

REVISION	DATE	REVISION	DATE
Δ COUNTY COMMENTS	10-25-23		
Δ FDOT COMMENTS	02-05-24		

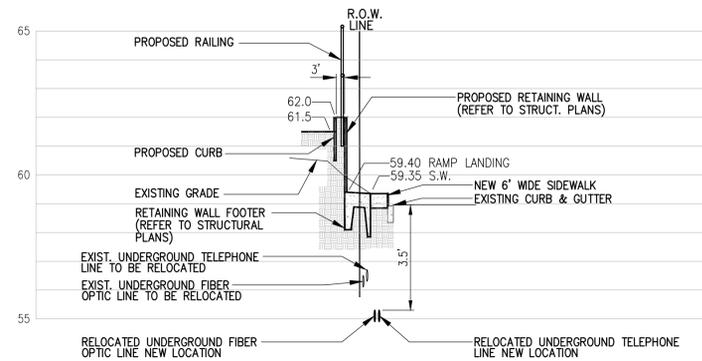
CONTRACTOR SHALL SUBMIT TO THE COUNTY AND TO THE ENGINEER INFORMATION AND SHOP DRAWINGS IDENTIFYING DESIGN CRITERIA, PROPOSED MATERIALS AND MIX PROPORTIONS, AND NAMING THE QUALIFIED CONCRETE PRODUCER AS WELL AS THE EXPERIENCED PLACING CONTRACTOR.

STARBUCKS
 16506 NEBRASKA AVENUE
 LUTZ, FLORIDA

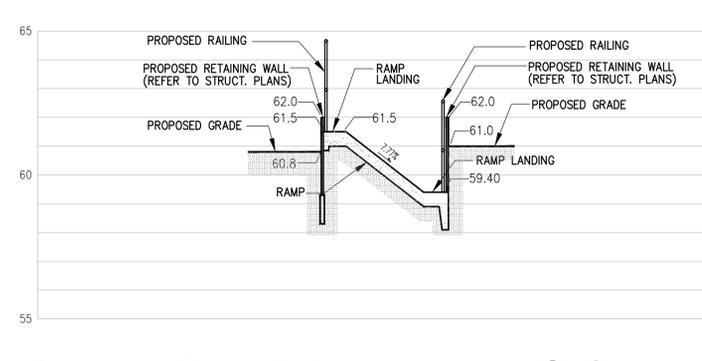
CROSS SECTION A-A SCALE: HORIZ. 1"=30', VERT. 1"=3'



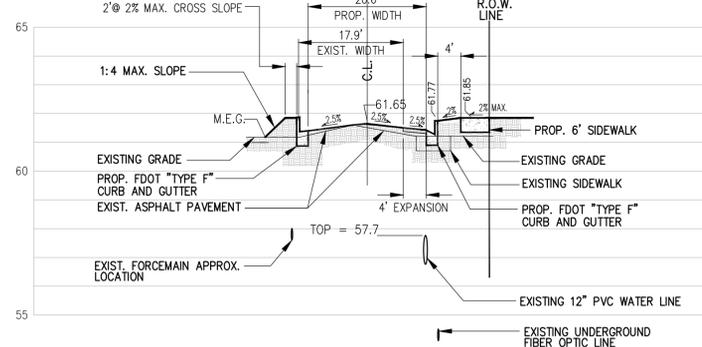
CROSS SECTION B-B SCALE: HORIZ. 1"=30', VERT. 1"=3'



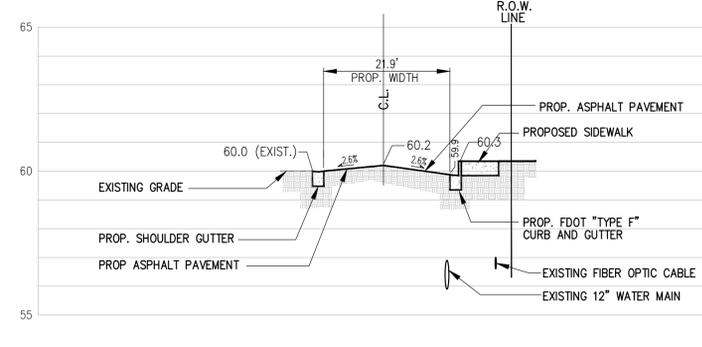
CROSS SECTION C-C SCALE: HORIZ. 1"=30', VERT. 1"=3'



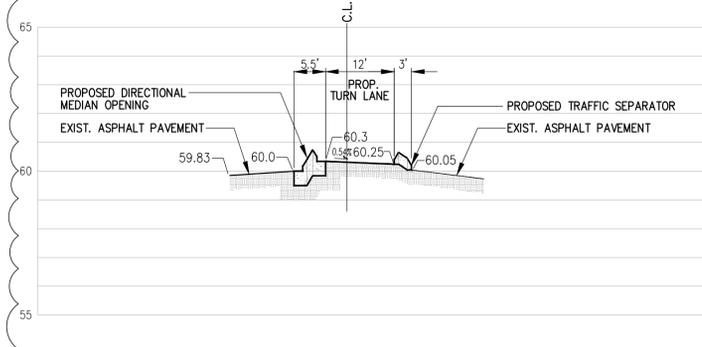
CROSS SECTION D-D SCALE: HORIZ. 1"=15', VERT. 1"=3'



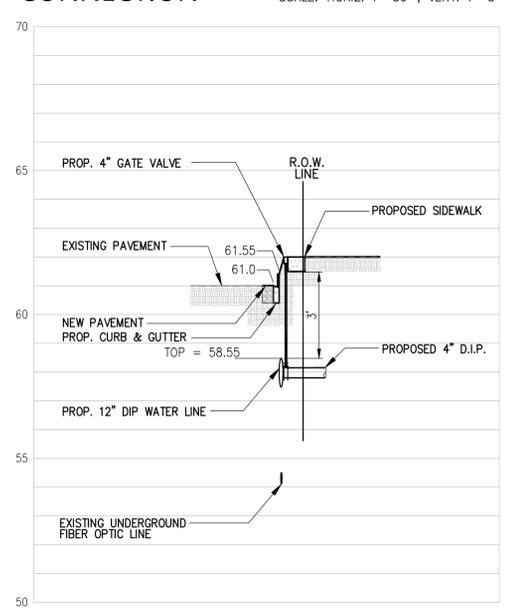
CROSS SECTION E-E SCALE: HORIZ. 1"=15', VERT. 1"=3'



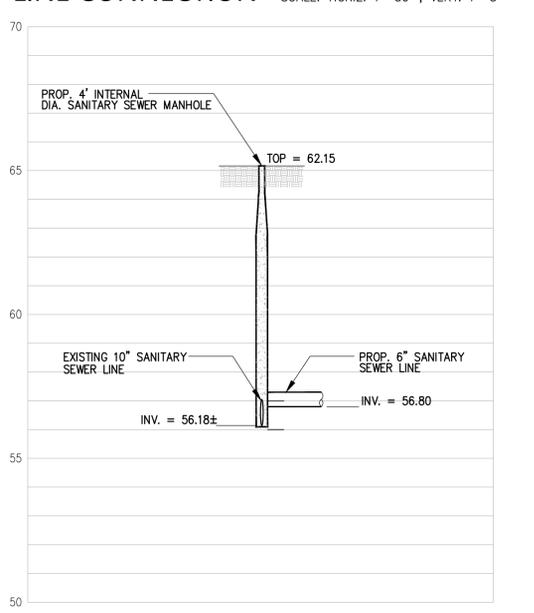
CROSS SECTION F-F SCALE: HORIZ. 1"=15', VERT. 1"=3'



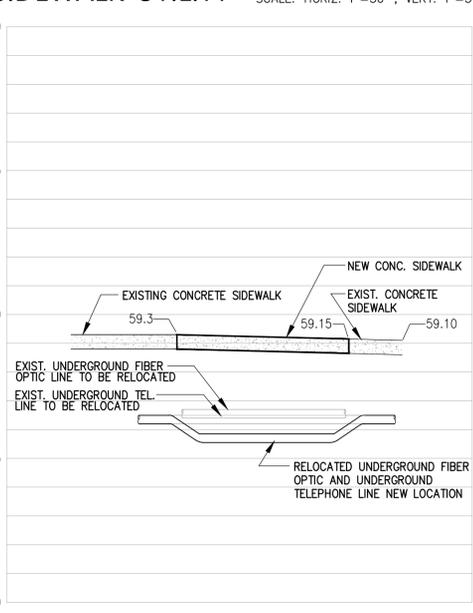
WATER MAIN CONNECTION SCALE: HORIZ. 1"=30', VERT. 1"=3'



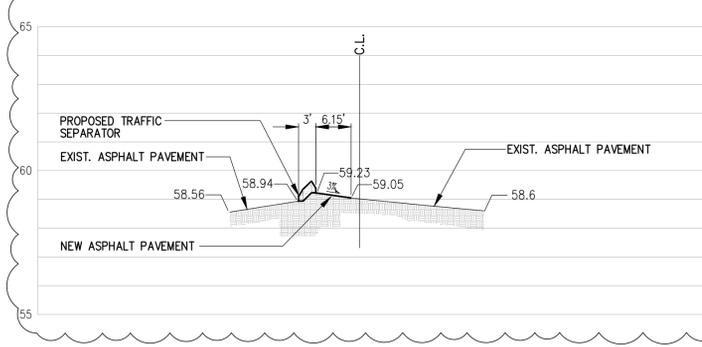
SANITARY SEWER LINE CONNECTION SCALE: HORIZ. 1"=30', VERT. 1"=3'



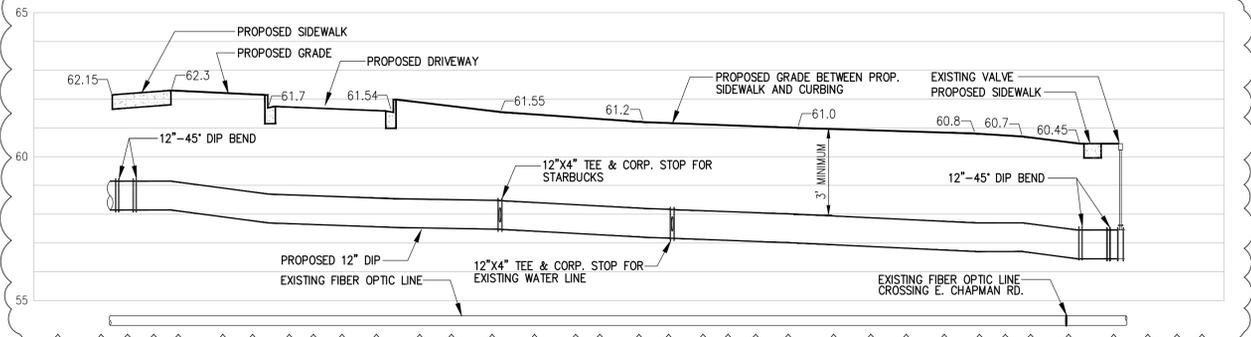
N NEBRASKA AVENUE SIDEWALK-UTILITY SCALE: HORIZ. 1"=30', VERT. 1"=3'



CROSS SECTION G-G SCALE: HORIZ. 1"=15', VERT. 1"=3'



PROPOSED WATER MAIN PROFILE SCALE: HORIZ. 1"=30', VERT. 1"=3'



REVISION	DATE	REVISION	DATE
△ COUNTY COMMENTS	10-25-23		
△ COUNTY COMMENTS	01-25-24		
△ FDOT COMMENTS	02-05-24		
△ COUNTY WRD COMMENTS	02-05-24		

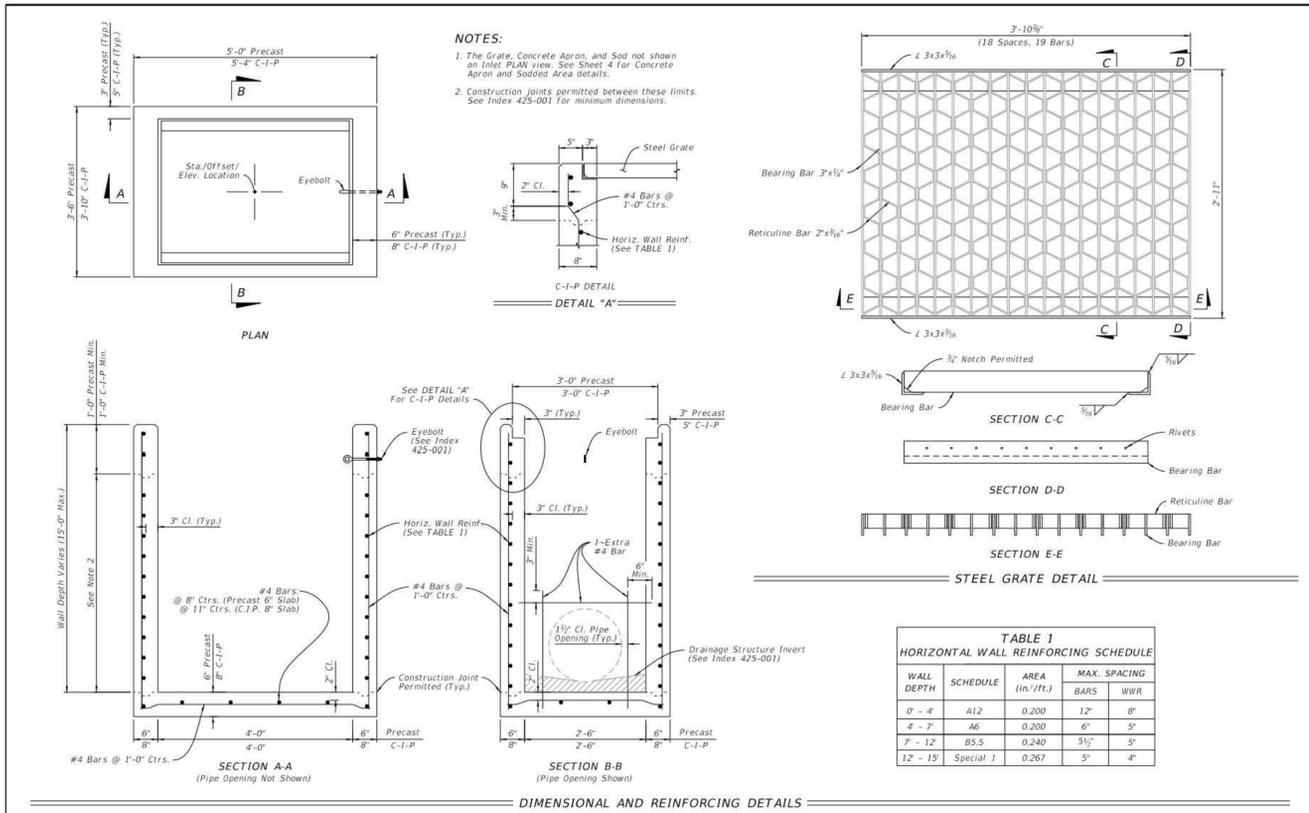
SARAH CHILDTY, P.E.
FL REG. # 87473

STARBUCKS
16506 NEBRASKA AVENUE
LUTZ, FLORIDA

DATE: 08-04-23
DRAWN: SR
CHECKED: SC

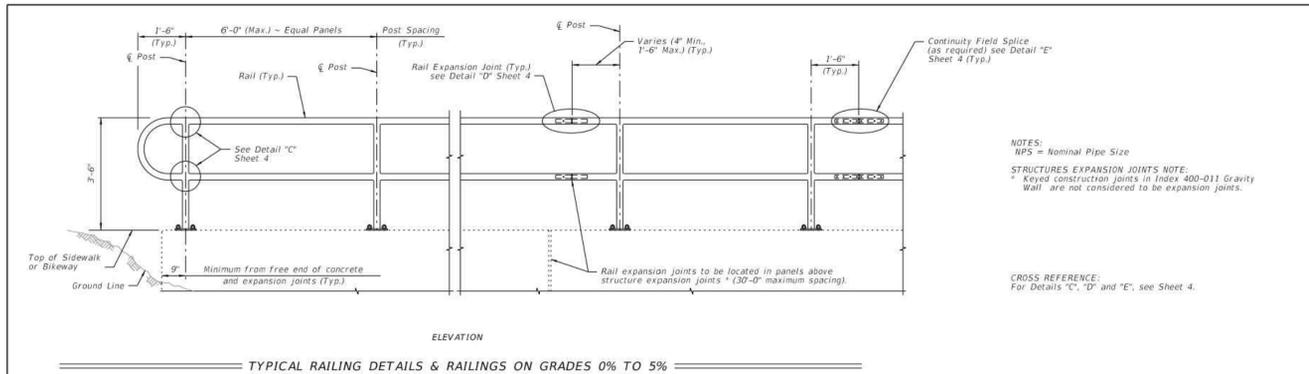
C6.2
CROSS SECTIONS & PROFILES

PROJECT NO.: 2021.187

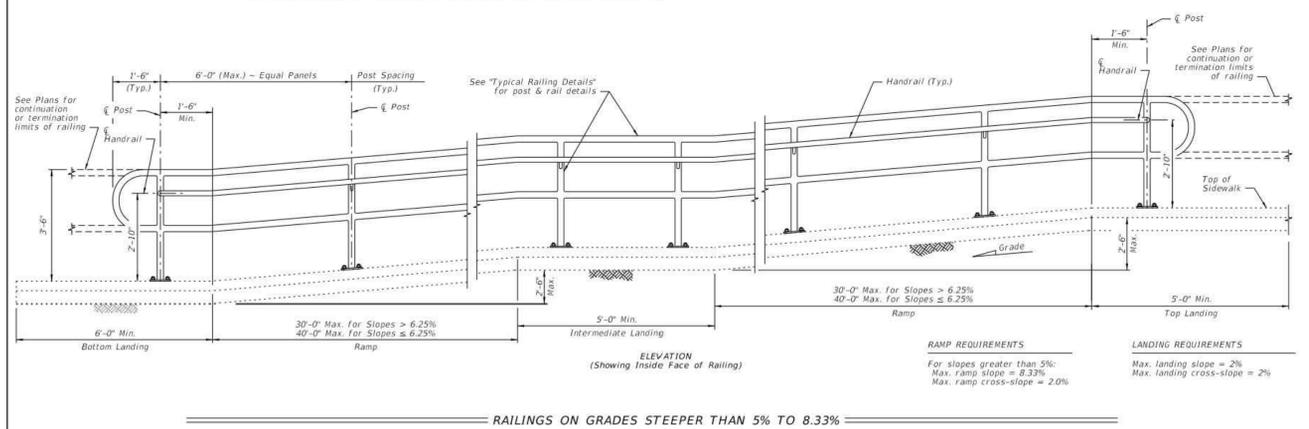


TYPE F - DIMENSIONAL, REINFORCING, AND GRATE DETAILS

LAST REVISION 10/01/20	DESCRIPTION: DITCH BOTTOM INLET TYPES F AND G	FY 2023-24 STANDARD PLANS	INDEX 425-053	SHEET 2 of 4
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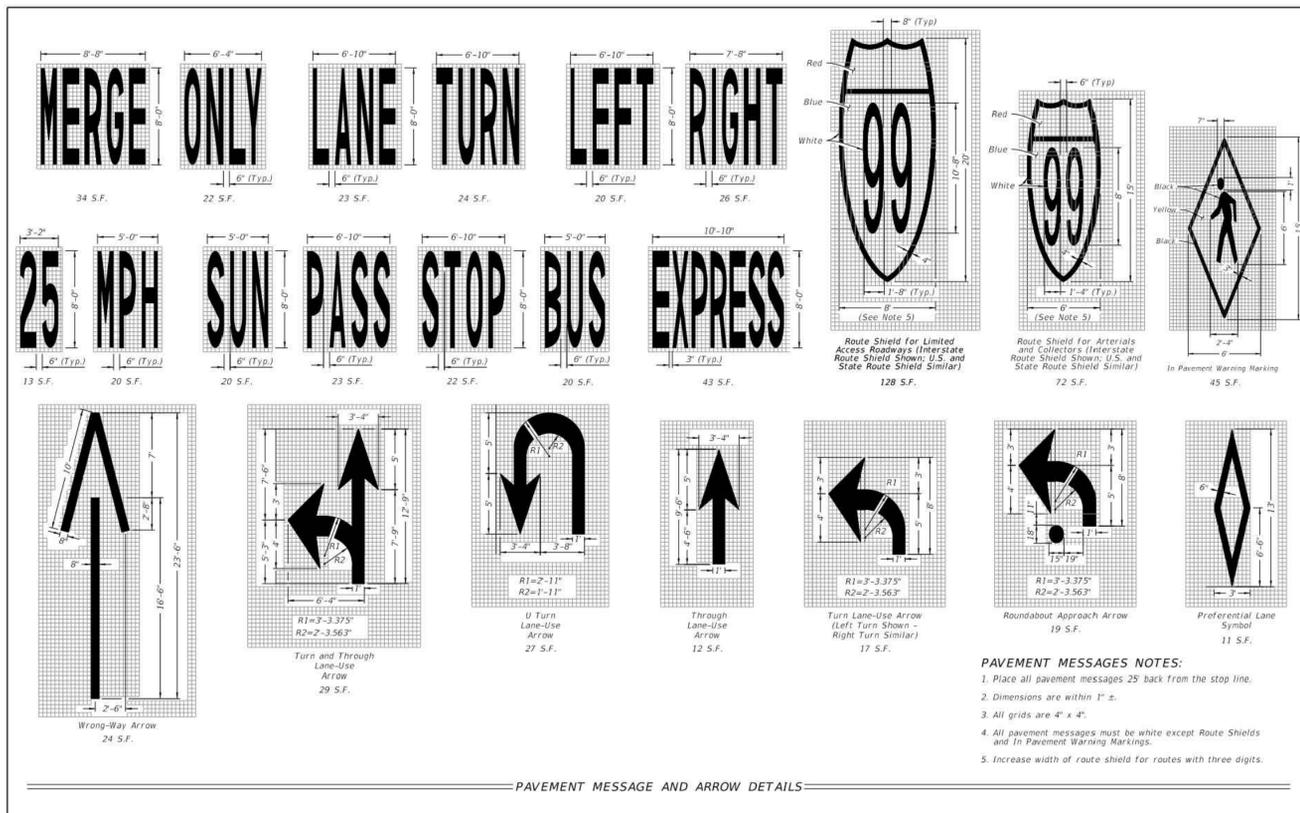


TYPICAL RAILING DETAILS & RAILINGS ON GRADES 0% TO 5%



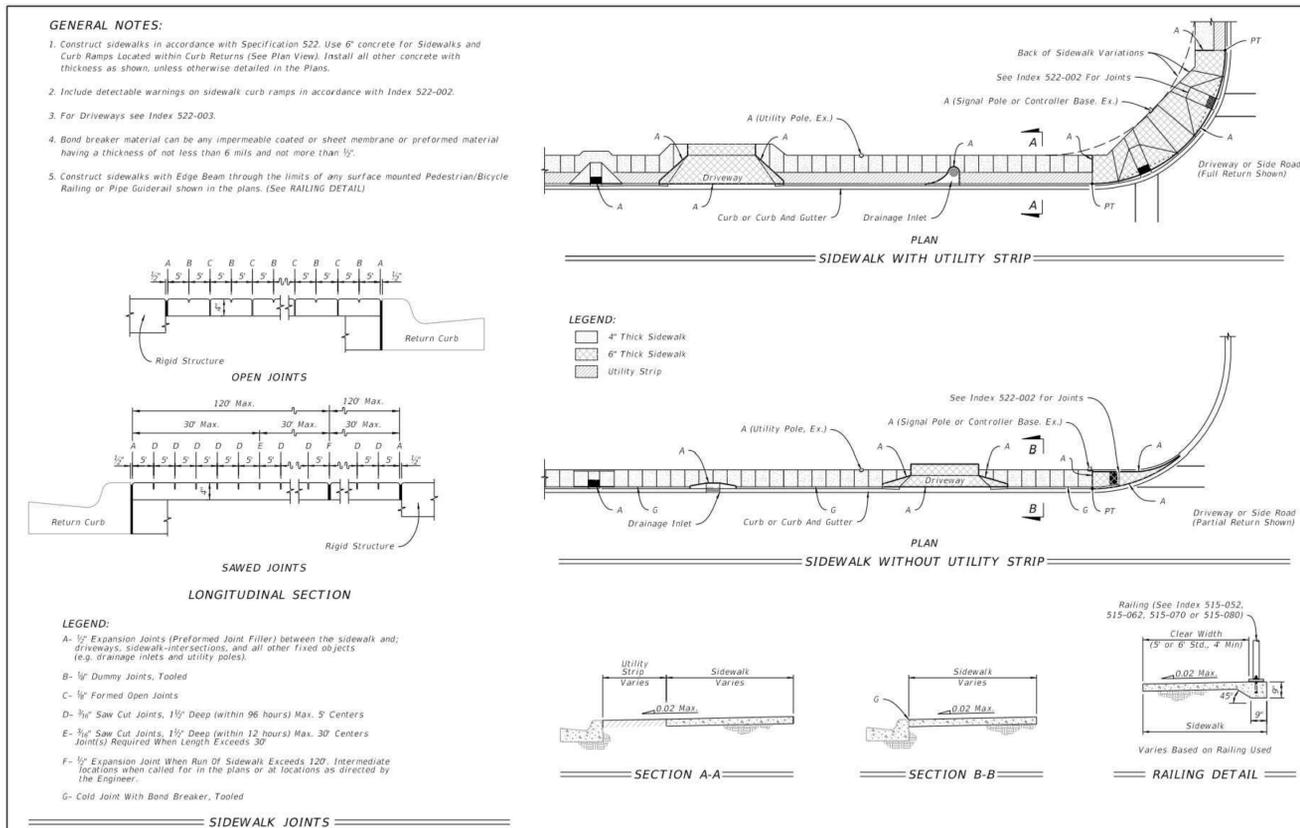
RAILINGS ON GRADES STEEPER THAN 5% TO 8.33%

LAST REVISION 11/01/17	DESCRIPTION: PIPE GUIDERAIL (ALUMINUM)	FY 2023-24 STANDARD PLANS	INDEX 515-070	SHEET 2 of 5
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PAVEMENT MESSAGE AND ARROW DETAILS

LAST REVISION 11/01/21	DESCRIPTION: PAVEMENT MARKINGS	FY 2023-24 STANDARD PLANS	INDEX 711-001	SHEET 1 of 13
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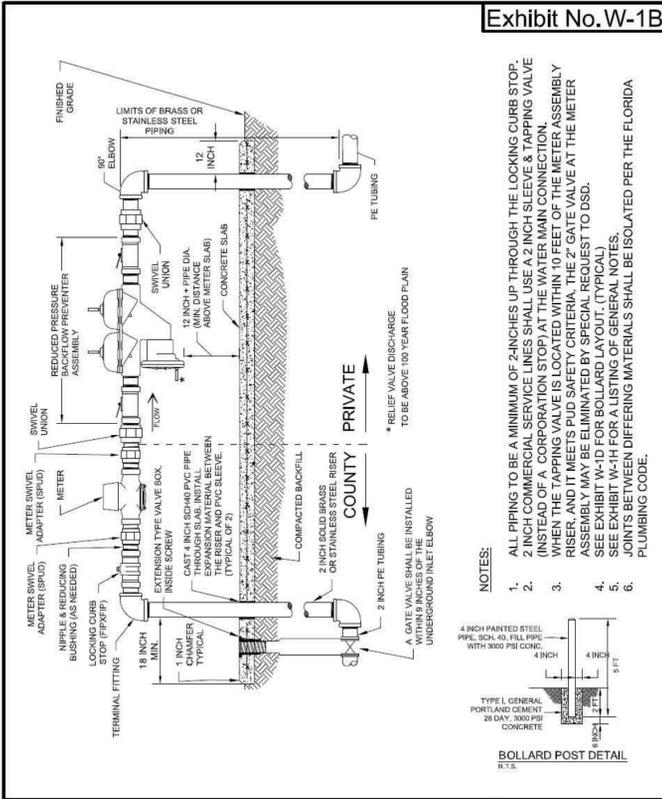


GENERAL NOTES AND CONCRETE SIDEWALK ON CURBED ROADWAYS

LAST REVISION 11/01/18	DESCRIPTION: CONCRETE SIDEWALK	FY 2023-24 STANDARD PLANS	INDEX 522-001	SHEET 1 of 2
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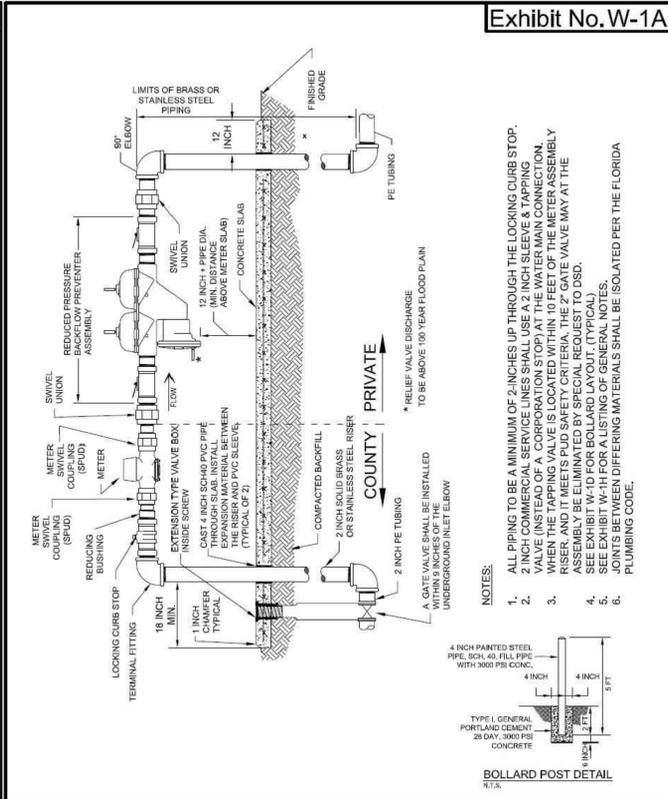
REVISION	DATE	REVISION	DATE
Δ FOOT LANDSCAPE COMMENTS	10-25-23		
Δ SWF WID COMMENTS	11-13-23		

DATE: 08-04-23	DRAWN: SR
CHECKED: SC	



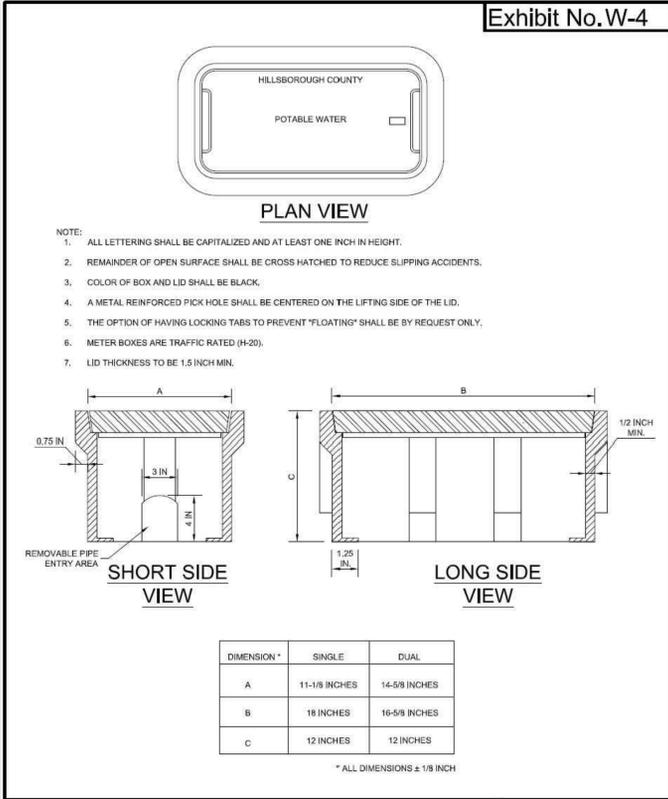
WATER METER ASSEMBLY
COMMERCIAL - 1-1/2 INCH & 2 INCH METERS
HILLSBOROUGH COUNTY, FLORIDA

10/2017
SCALE: N.T.S.



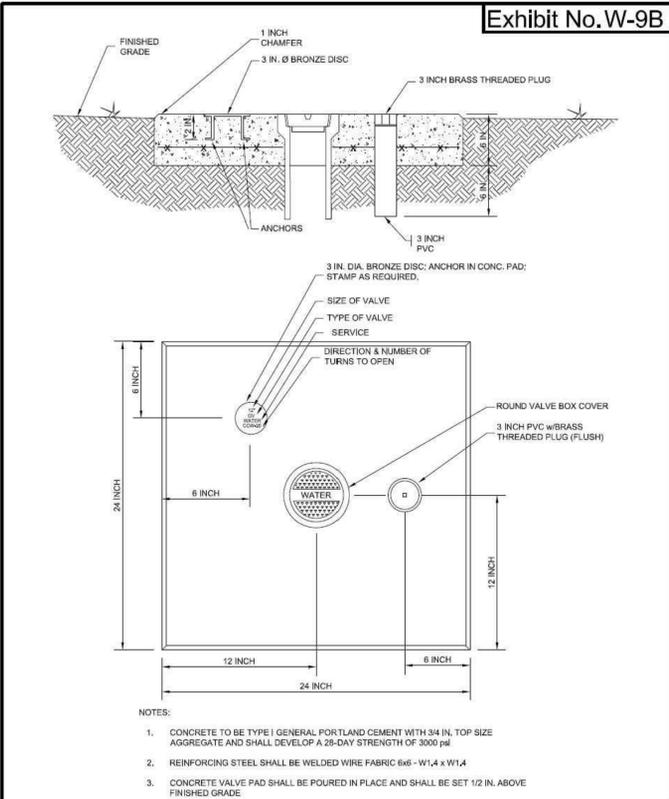
WATER METER ASSEMBLY
COMMERCIAL - METERS LESS THAN 1-1/2 INCH
HILLSBOROUGH COUNTY, FLORIDA

10/2017
SCALE: N.T.S.



POTABLE WATER METER BOX
HILLSBOROUGH COUNTY, FLORIDA

10/2017
SCALE: N.T.S.



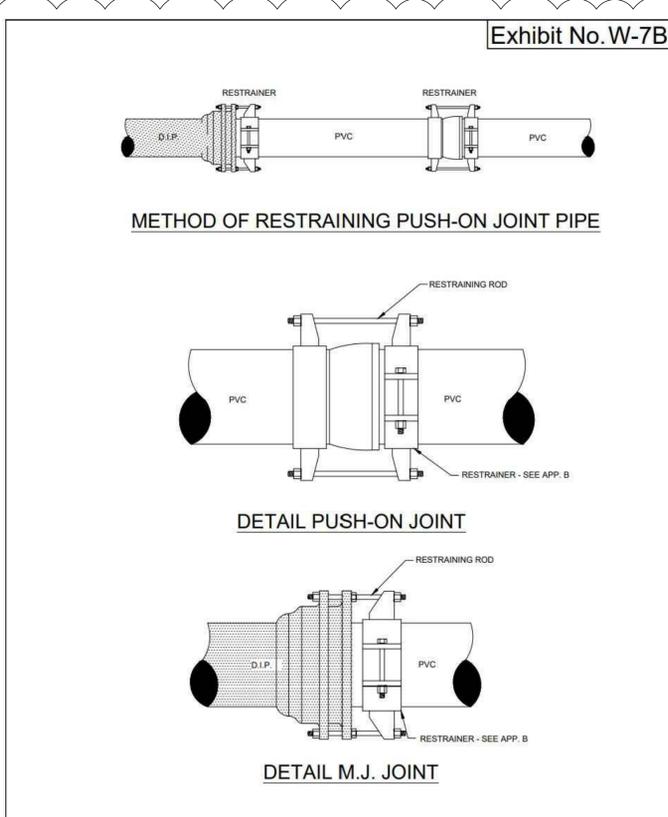
CONCRETE VALVE PAD
(FOR UNPAVED AREAS)
HILLSBOROUGH COUNTY, FLORIDA

10/2017
SCALE: N.T.S.



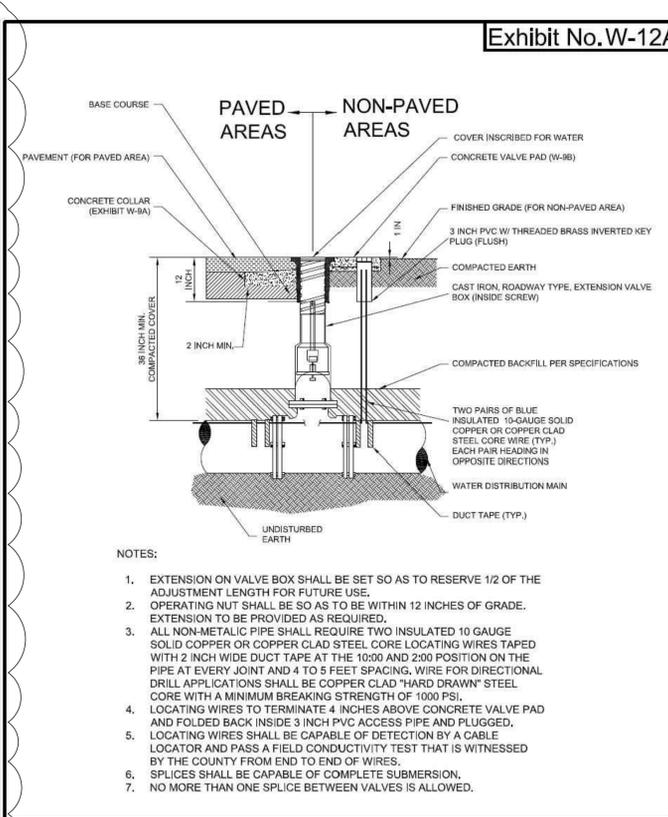
RESTRAINED JOINT
FOR PVC C-900 PIPE (4 IN TO 12 IN)
HILLSBOROUGH COUNTY, FLORIDA

10/2023
SCALE: N.T.S.



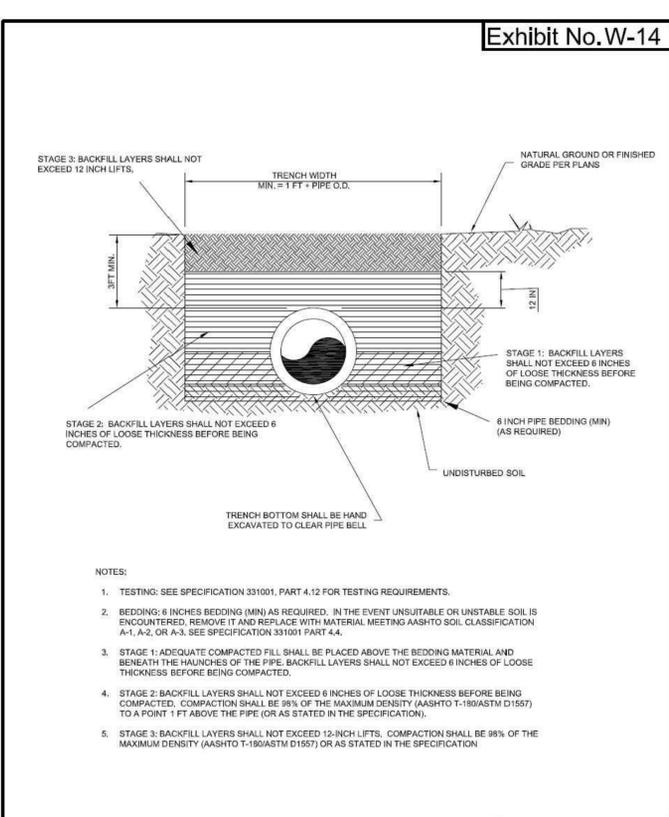
VALVE AND TRACER WIRE
PAVED OR NON-PAVED AREAS
HILLSBOROUGH COUNTY, FLORIDA

10/2017
SCALE: N.T.S.



TRENCH DETAIL
BACKFILL & COMPACTION
HILLSBOROUGH COUNTY, FLORIDA

10/2017
SCALE: N.T.S.



WATER METER ASSEMBLY
COMMERCIAL - METERS LESS THAN 1-1/2 INCH
HILLSBOROUGH COUNTY, FLORIDA

10/2017
SCALE: N.T.S.

Z DEVELOPMENT
S e r v i c e s
CA 29354

708 E. COLONIAL DR., STE. 100
ORLANDO, FL 32803
PH: (407) 271-8910
FAX: (407) 442-0604

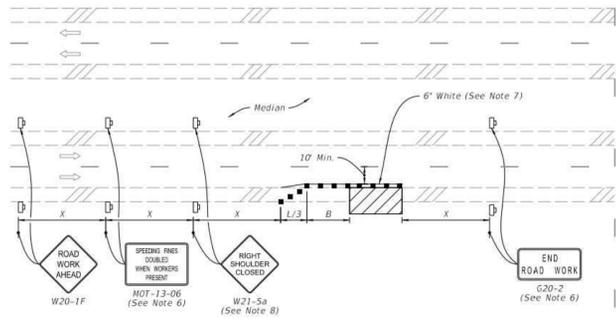
REVISION	DATE	REVISION	DATE
1	02-05-24		

STARBUCKS
16506 NEBRASKA AVENUE
LUTZ, FLORIDA

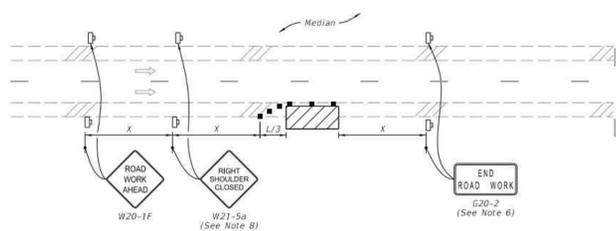
DATE: 08-04-23
DRAWN: SR
CHECKED: SC

C7.1
HILLSBOROUGH COUNTY UTILITY STANDARD DETAILS

PROJECT NO.: 2021.187



MULTILANE ROADWAY
SHOULDER WORK LESS THAN 2' FROM THE TRAVELED WAY
WITH WORK ZONE SPEED OF 45 MPH OR LESS

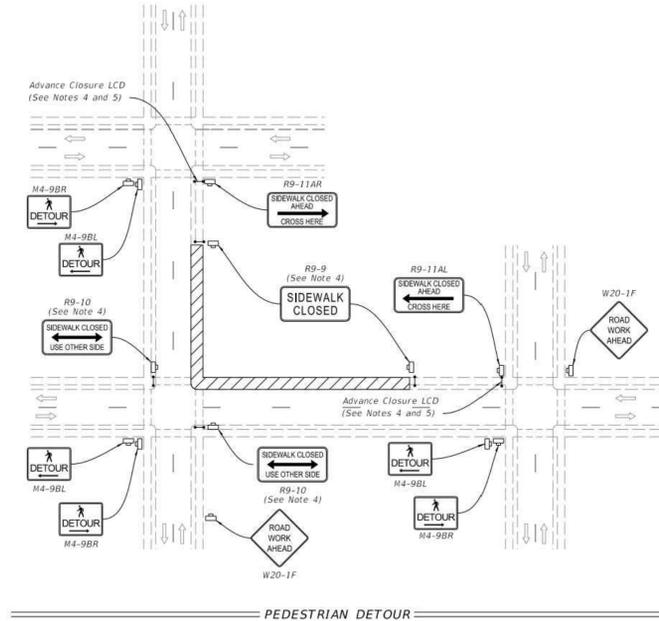


MULTILANE ROADWAY
SHOULDER WORK BETWEEN 2' AND 15' FROM THE TRAVELED WAY

- SYMBOLS:**
- Work Area
 - Channelizing Device (See Index 102-600)
 - Work Zone Sign
 - Lane Identification and Direction of Traffic

- NOTES:**
- Cover or deactivate pedestrian traffic signal display(s) controlling closed crosswalks.
 - Place pedestrian LCDs across the full width of the closed sidewalk.
 - For post mounted signs located near or adjacent to a sidewalk, maintain a minimum 7' clearance from the bottom of the sign panel to the surface of the sidewalk.
 - "Sidewalk Closed" signs (R9-XX) may be mounted on pedestrian LCDs in accordance with the manufacturer's instructions.
 - Omit the Advance Closure LCD if it blocks access to other pedestrian facilities (e.g., transit stops, residences, or business entrances).

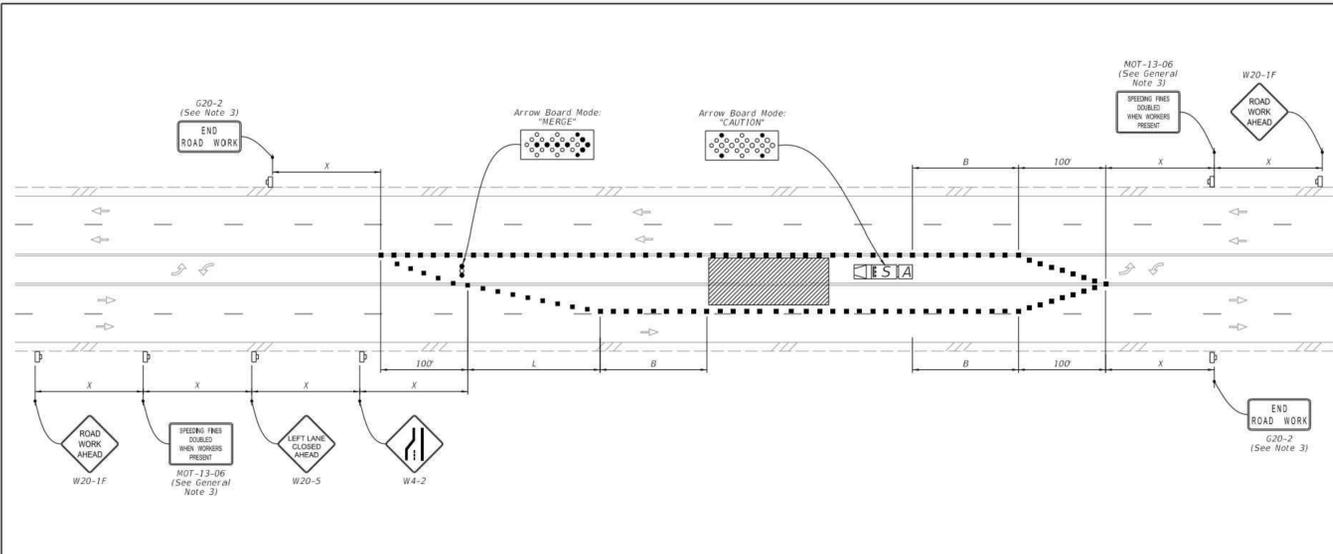
- SYMBOLS:**
- Work Area
 - Work Zone Sign
 - Pedestrian Longitudinal Channelizing Device (LCD)
 - Lane Identification and Direction of Traffic



PEDESTRIAN DETOUR

LAST REVISION 11/01/20	DESCRIPTION:	FY 2023-24 STANDARD PLANS	TWO-LANE AND MULTILANE, WORK ON SHOULDER	INDEX 102-602	SHEET 2 of 2
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LAST REVISION 11/01/20	DESCRIPTION:	FY 2023-24 STANDARD PLANS	SIDEWALK CLOSURE	INDEX 102-660	SHEET 1 of 2
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TEMPORARY MULTILANE, TWO-WAY LEFT-TURN LANE, TURN LANE CLOSURE
(Closure of One Inside Lane Shown, Closure of both Similar)

- SYMBOLS:**
- Work Area
 - Channelizing Device (See Index 102-600)
 - Work Zone Sign
 - Arrow Board
 - Shadow (S) Vehicle With Warning Lights And Arrow Board
 - Truck/Trailer Mounted Attenuator (TMA)
 - Lane Identification and Direction of Traffic

- GENERAL NOTES:**
- This Index applies to roadways with work in the two-way left-turn lane.
 - L = Taper Length
X = Work Zone Sign Distance
B = Buffer Length
See Index 102-600 for "L", "X", "B", and channelizing device spacing values.
 - The "Speeding Fines Doubled When Workers Present" signs (MOT-13-06) and "End Road Work" sign (G20-2), along with associated Work Zone Sign Distances, may be omitted when the work operation will be in place for 24 hours or less.
 - If closure of both inside lanes on multilane roadways is needed, duplicate lane closure and merge signs, channelizing devices, taper, and arrow board, for both directions.

LAST REVISION 11/01/21	DESCRIPTION:	FY 2023-24 STANDARD PLANS	TWO-WAY LEFT-TURN LANES	INDEX 102-628	SHEET 1 of 3
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REVISION	DATE	REVISION	DATE
1	02-05-24		
COMMENTS			

SARAH CUMOTTA, P.E.
FL REG. # 87473

STARBUCKS
16506 NEBRASKA AVENUE
LUTZ, FLORIDA

DATE: 08-04-23
DRAWN: SR
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