

PROJECT INFORMATION:

MARION COUNTY PLAN REVIEW PROJECT NO. 2018050070 APPLICATION NO. 21868

OREILLY'S AUTO PARTS FUTURE LAND USE DESIGNATION: COMMERCIAL PROPOSED LAND USE: RETAIL/COMMERCIAL TOTAL OWNERSHIP AREA: 1.62± ACRES TOTAL PROJECT AREA: 1.62± ACRES TAX PARCEL NUMBER: 3540-019-000 3540-019-001 SETBACKS: FRONT: 40 FEET 25 FEET 10 FEET

TOTAL IMPERVIOUS SURFACE: 7443 SF 0.17 AC PROPOSED PARKING 31,867 SF & SIDEWALKS 0.73 AC

IMPERVIOUS SURFACE RATIO (ISR): 70% MAXIMUM 0.90 AC / 1.62 AC = 56%

FLOOR AREA RATIO (FAR): 1.00 MAXIMUM

0.17 AC / 1.62 AC = 0.10FLOOD ZONE: ZONE "X"

WATER SUPPLY SERVICE: SOUTHWEST OCALA UTILITY, INC SANITARY SEWER SERVICE: SOUTHWEST OCALA SEWER, INC SUMTER ELECTRIC COOPERATIVE (SECO) **ELECTRIC:** GARBAGE COLLECTION: PRIVATE COLLECTION

SPRINGS PROTECTION ZONE.

GAS SERVICE: EXISTING DRIVE ACCESS TRAFFIC ACCESS: THIS PROJECT IS LOCATED IN THE SECONDARY SPRINGS PROTECTION:

TRAFFIC STATEMENT:

BASED ON I.T.E. CODE 843, THIS DEVELOPMENT WILL GENERATE 460 AVERAGE DAILY TRIPS & 45 PEAK HOUR TRIPS. TRIP COUNTS BASED ON FITTED CURVE EQUATION FOR 1,000 SF GROSS FLOOR AREA * AVERAGE RATE OF 61.91 & PEAK RATE OF 5.98. AVERAGE VEHICLE TRIP ENDS VS. 1,000 S.F. G.F.A.

I.T.E. CODE	DESCRIPTION		AVERAGE DAILY TRIPS	PEAK HOUR TRIPS
843	7,428 SF		460 TRIPS	45 TRIPS
PASS-BY	REDUCTION	(30%)	138	13.5
NET TRIP	GENERATION		322	32

PROJECT WAIVERS:

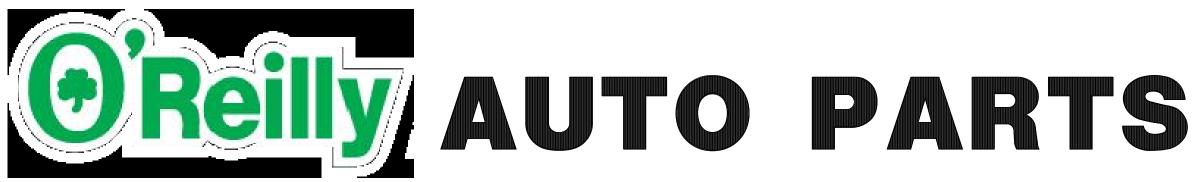
THE FOLLOWING WAIVERS FROM THE LAND DEVELOPMENT CODE OF MARION COUNTY WERE APPROVED BY THE MARION COUNTY DRC.

NO WAIVERS HAVE BEEN GRANTED FOR THIS PROJECT.

AUTOMOBILE PART SALES

				www.callsunshine.com
NO.	DATE	REVISIONS	BY:	
				ATTENTION IS DIRECTED TO THE FACT
				THAT THESE PLANS MAY HAVE BEEN
				REDUCED IN SIZE BY REPRODUCTION.
				THIS MUST BE CONSIDERED WHEN
				OBTAINING SCALED DATA.

MAJOR SITE PLAN FOR



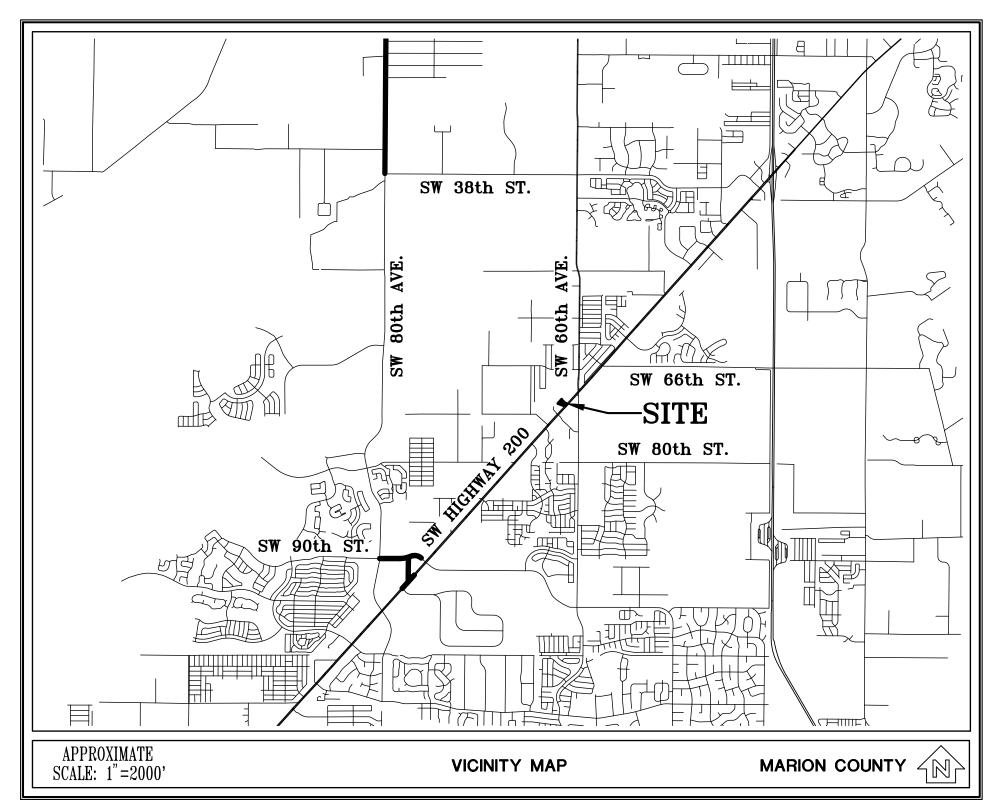
NEW O'REILLY AUTO PARTS STORE SW HIGHWAY 200 MARION COUNTY, FLORIDA

SECTION 08, TOWNSHIP 16 SOUTH, RANGE 21 EAST

LEGAL DESCRIPTION:

AS RECORDED IN PLAT BOOK L, PAGE 70 OF THE PUBLIC RECORDS OF MARION COUNTY, FLORIDA AND THE FOLLOWING DESCRIBED LANDS

THOSE PORTIONS OF LOTS 3, 4 AND 10, BLOCK 19, BAHIA OAKS, UNIT NO. FOUR AS RECORDED IN PLAT BOOK L, PAGE 70 OF THE PUBLIC RECORDS OF MARION COUNTY. FLORIDA. BEING IN SECTION 8. TOWNSHIP 16



NOTES:

KNOW WHAT'S BEI ALWAYS CALL 8 BEFORE YOU D

BIDDING INFORMATION:

CONTRACTORS ONLY.

REPRESENTATIVE

INFORMATION.

CONTACT

REFER TO OWNER'S WEB SITE:

INVITED GENERAL CONTRACTORS.

SUBMITTED TO INVITED

HTTP://WWW.OREILLYPLANROOM.COM

NOTE: REFER TO CURRENT PROJECT LIST,

LOCATED AT BOTTOM OF SIGN IN PAGE, FOR

ALL SUB-CONTRACTOR BIDS TO BE

OWNER'S

FOR

GENERAL

DESIGNATED

ADDITIONAL

- 1. THIS PROJECT HAS NOT BEEN GRANTED CONCURRENCY APPROVAL AND/OR GRANTED AND/OR RESERVED ANY PUBLIC FACILITY CAPACITIES. FUTURE RIGHTS TO DEVELOP THE PROPERTY ARE SUBJECT TO A DEFERRED CONCURRENCY DETERMINATION, AND FINAL APPROVAL TO DEVELOP THE PROPERTY HAS NOT BEEN OBTAINED. THE COMPLETION OF CONCURRENCY REVIEW AND/OR APPROVAL HAS BEEN DEFERRED TO LATER DEVELOPMENT REVIEW STAGES, SUCH AS, BUT NOT LIMITED TO, BUILDING PERMIT REVIEW.
- 2. CONTRACTOR SHALL CONTACT FLORIDA SUNSHINE ONE-CALL AT 1-800-432-4770 PRIOR TO COMMENCING ANY UNDERGROUND EXCAVATION. THE GENERAL CONTRACTOR IS HEREBY REQUIRED TO CONTACT ALL PERTINENT UTILITY COMPANIES, FIELD VERIFY THE EXACT LOCATION, BOTH HORIZONTAL AND VERTICAL, OF ALL EXISTING UTILITIES WITHIN THE PROJECT BOUNDARY BY DIGGING TEST PITS BY HAND AT ALL UTILITY CROSSINGS WELL IN ADVANCE OF TRENCHING.
- 3. NO CHANGE TO THE WORK AS SHOWN ON THE APPROVED PLANS SHALL BE MADE WITHOUT NOTIFICATION TO AND APPROVAL BY THE OFFICE OF THE COUNTY ENGINEER.

INDEX OF SHEETS SHEET NO. CONTENTS

MARION COUNTY

PROJECT No. 2018050070

APPLICATION No. 21868

COVER SHEET C - 01GENERAL NOTES C - 02SITE DEMOLITION PLAN C - 03C - 04SITE & GEOMETRY PLAN C - 05GRADING & DRAINAGE PLAN STANDARD SITE & DRAINAGE DETAILS C - 06 - C - 08STORMWATER POLLUTION PREVENTION PLAN C - 09STORMWATER POLLUTION PREVENTION C - 10NOTES & DETAILS UTILITIES PLAN C - 11UTILITY DETAILS C - 12BOUNDARY SURVEY & TOPOGRAPHIC SURVEY SV-01-SV-02 L-01 LANDSCAPE PLAN IRRIGATION PLAN L-02

CONTACTS

CIVIL ENGINEER:

PHONE (352) 861-7799

L - 03

SP1

OWNER:

THE ESTATE OF JAMES K. LEEWARD P.O. BOX 1476 OCALA, FLORIDA 34478-1476 CONTACT: DIRK J. LEEWARD AS PERSONAL REPRESENTATIVE PHONE: (352) 690-0009

ARCHITECT:

TORGERSON DESIGN PARTNERS 116 N. 2ND AVENUE OZARK, MO 65721 CONTACT: CODY HEARNE PHONE (417) 581-8889

TENANT:

O'REILLY AUTOMOTIVE STORES, INC. CORPORATE OFFICES 233 SOUTH PATTERSON SPRINGFIELD, MISSORI 65802 CONTACT: PHONE: (417) 862-2674

SITE PHOTOMETRICS

LANDSCAPE AND IRRIGATION DETAILS

PIGEON-ROBERTS & ASSOCIATES, LLC 925 SE 17TH AVE., SUITE A OCALA, FL 34471 CONTACT: CHUCK A. PIGEON P.E.

LANDSCAPE ARCHITECT:

EDK - ENVIRONMENTAL DESIGN 1920 SE 8TH STREET OCALA, FL 34470 CONTACT: ANDY KESSELRING PHONE (352) 622-8899

GEOTECHNICAL ENGINEER: UNIVERSAL ENGINEERING SCIENCES 4475 SW 35TH TERRACE GAINESVILLE, FL 34471

PIGEON-ROBERTS & ASSOCIATES, LLC

925 SE 17TH AVE., SUITE A

PHONE (352) 861-7799

CONTACT: KELLY ROBERTS, P.S.M.

CONTACT: EDUARDO SUAREZ, P.E. PHONE (352) 372-3392

SURVEYOR:

OCALA, FL 34471

Pigeon - Roberts 925 S.E. 17th Street & Associates, LLC CIVIL ENGINEERS PLANNERS SURVEYORS & MAPPERS

Ocala. Florida 34471 (352) 861-7799 voice (352) 861-7709 fax

CERTIFICATES OF AUTHORIZATION: ENGINEERING: NO. 26531 · SURVEYING & MAPPING: LB NO. 7481 PROJECT NO. 410.01 03.08.2018

OWNER'S CERTIFICATION

I HEREBY CERTIFY THAT I AND ALL MY SUCESSORS AND ASSIGNS SHALL PERPETUALLY MAINTAIN IMPROVEMENTS AS SHOWN ON THE ATTACHED PLANS HEREIN FOLLOWING COMPLETION OF CONSTRUCTION.

DATE SIGNED: _____ DIRK J. LEEWARD AS PERSONAL REPRESENTATIVE

OF THE ESTATE OF JAMES K. LEEWARD

ENGINEER'S CERTIFICATION

I HEREBY CERTIFY THAT THE DRAINAGE FACILITIES WERE DESIGNED IN ACCORDANCE WITH APPLICABLE REQUIREMENTS OF THE LAND DEVELOPMENT CODE OF MARION COUNTY AND THAT ADJACENT PROPERTIES WILL BE PROTECTED FROM STORM WATER DAMAGE AS A RESULT OF THE PROPOSED DEVELOPMENT. I HAVE SUBMITTED PLANS TO THE APPROPRIATE WATER MANAGEMENT DISTRICT, AND THAT THE SUBMITTED PLANS MEET OR EXCEED ALL CURRENT ASHTO, MARION COUNTY, AND FDOT REQUIREMENTS FOR SIGHT DISTANCE.

DATE SIGNED: _____

CHUCK A. PIGEON PROFESSIONAL ENGINEER NO. 37338

STATE OF FLORIDA

GATE POST

MISC

MLW

MPH

STANDARD ABBREVIATIONS:				
AASHTO	AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS	MSL MTD	MEAN SEA LEVEL MOUNTED	
AC ACCMP	ACRE ASPHALT COATED CORRUGATED METAL PIPE	MUTCD	MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES	
ACCMPA ANSI	ASPHALT COATED CORRUGATED METAL PIPE ARCH AMERICAN NATIONAL STANDARDS INSTITUTE	N NA or N/A N & C	NORTH NOT APPLICABLE NAIL AND CAP	
APPROX ASPH	APPROXIMATE ASPHALT AMERICAN SOCIETY FOR TESTING	NE NGVD	NORTHEAST NATIONAL GEODETIC VERTICAL	
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	NGS	DATUM OF 1929 NATIONAL GEODETIC SURVEY	
AVE B/C B/L	AVENUE BACK OF CURVE	No NORM	NUMBER NORMAL	
BLDG. BLVD.	SURVEY BASELINE BUILDING BOULEVARD	NS NTS	NEAR SIDE NOT TO SCALE	
BM BW	BENCH MARK BARBED WIRE	NW OC	NORTHWEST ON CENTER	
CB	CHORD BEARING CENTERLINE	OD OE	OUTSIDE DIAMETER OVERHEAD ELECTRIC	
Q C & G CF	CURB AND GUTTER	OH P/L PAVT	OVERHEAD PROPERTY LINE	
CH CM	CUBIC FEET CHORD LENGTH CONCRETE MONUMENT	PC	PAVEMENT POINT OF CURVATURE	
CMP CMPA	CORRUGATED METAL PIPE CORRUGATED METAL PIPE ARCH	PCE PCC	PERMANENT CONSTRUCTION EASEMENT POINT OF COMPOUND CURVATURE	
CO CONC.	COUNTY CONCRETE	PE PED	PROFESSIONAL ENGINEER PEDESTRIAN or PEDESTAL	
CONST COR	CONSTRUCT CORNER	PEN PG	PENETRATION PAGE or PROFILE GRADE	
CR CT	COUNTY ROAD COURT	PGL Pl	PROFILE GRADE LINE POINT OF INTERSECTION	
CY CZ	CUBIC YARD CLEAR ZONE	PRC PRM	POINT OF REVERSE CURVATURE PERMANENT REFERENCE MONUMENT	
DDA DE	DRAINAGE DETENTION AREA DRAINAGE EASEMENT	PSI PSM	POUND PER SQUARE INCH PROFESSIONAL SURVEYOR AND MAPPER	
△ DEPT.	DELTA DEPARTMENT	PT PVC	POINT OF TANGENCY POINT OF VERTICAL CURVATURE or	
DELIN DHW	DELINEATOR DESIGN HIGH WATER	PVCC	POLYVINYL CHLORIDE POINT OF VERTICAL COMPOUND CURVATUR	
DIA DIM	DIAMETER DIMENSION	PVI PVRC	POINT OF VERTICAL INTERSECTION POINT OF VERTICAL REVERSE CURVATURE	
DIP DRA	DUCTILE IRON PIPE DRAINAGE RETENTION AREA	PVT Q	POINT OF VERTICAL TANGENCY PEAK DISCHARGE (CFS)	
DWG E	DRAWING EAST	R/W or ROW R	RIGHT OF WAY LINE RADIUS or RANGE REINFORCED CONCRETE PIPE	
EA. EL_or ELEV.	EACH ELEVATION	RCP RCPA	REINFORCED CONCRETE PIPE ARCH	
ELEC. ESMNT	ELECTRIC EASEMENT	RD RDWY	ROAD ROADWAY	
EXIST F/L	EXISTING FLOW LINE	REF REINF	REFERENCE REINFORCED	
FDOT	FLORIDA DEPARTMENT OF TRANSPORTATION	RELOC REM	RELOCATED REMOVED	
FES FH	FLARED END SECTION FIRE HYDRANT	REPL REQ or REQD	REPLACED REQUIRED	
FIN FS	FINISH FAR SIDE	RNG RPM	RANGE REFLECTIVE PAVEMENT MARKER	
FT GA	FOOT or FEET GAUGE or GAGE	RT S SAN	RIGHT SOUTH SANITARY	
GRD H or HT HORIZ	GROUND HEIGHT HORIZONTAL	SE SECT	SOUTHEAST SECTION	
HR	HOUR	SH or SHT SHW	SHEET SEASONAL HIGH WATER	
HWY	HIGH WATER HIGHWAY	SMH SPEC	STORM MANHOLE SPECIFICATION	
HYD ID IN	HYDRANT INSIDE DIAMETER INCH		SQUARE FEET SQUARE INCH	
IN INC INSTL	INCLUDED or INCORPORATED INSTALL	Sq. Yd or SY SR	SQUARE YARD STATE ROAD	
INT INV	INTERSECTION INVERT	SS ST	STORM SEWER STREET	
JCT. L	JUNCTION LENGTH or ARC LENGTH	STA STD	STATION STANDARD	
LAT. LB	LATERAL OR LATITUDE LICENSED BUSINESS	STL SW	STEEL SOUTHWEST	
LBR LF	LIMEROCK BEARING RATIO LINEAR FEET	T or TAN TBM	TANGENT OR ARC TANGENT LENGTH TEMPORARY BENCHMARK	
LF LIN LN	LINEAR LANE	TEL TEMP	TELEPHONE TEMPORARY	
LN LP LS	LOOP LIFT STATION	TYP TWP	TYPICAL TOWNSHIP	
LS LT LUM	LEFT LUMINARIES	ÚÉ UG	UTILITY EASEMENT UNDERGROUND	
MAINT MAX.	MAINTENANCE MAXIMUM	US USC&GS	UNITED STATES UNITED STATES COASTAL AND GEODETIC	
MES MH	MITERED END SECTION MANHOLE	VC	SURVEY (NATIONAL GEODETIC SURVEY) VERTICAL CURVE	
MHW MI	MEAN HIGH WATER MILE	VERT W	VERTICAL WEST or WIDTH	
MIN	MILE MINIMI IM	ЖМ	WATER MAIN or WATER METER	

SURVEY LEGEND:

MINIMUM

MONUMENT

MILE POST

MISCELLANEOUS

MEAN LOW WATER

MILES PER HOUR

_		EM = ELECTRIC METER	L:16 = LINE TABLE DESIGNATION
	= FOUND 4" X 4" CONCRETE MONUMENT (SIZE & IDENTIFICATION AS NOTED)	LELOTTIO METERY	C:16 = CURVE TABLE DESIGNATION
	= FOUND IRON ROD & CAP	= UTILITY POLE	L = DIMENSION/LENGTH ALONG CURVE
•	(SIZE & IDENTIFICATION AS NOTED)		RCP = REINFORCED CONCRETE PIPE
•	= FOUND NAIL & DISK STAMPED:	₩ = LIGHT POLE: WOOD	CMP = CORRUGATED METAL PIPE
Ü	(SIZE & IDENTIFICATION AS NOTED)	□ = LIGHT POLE: METAL	R/W = RIGHT-OF-WAY
0	= FOUND 5/8" IRON ROD WITH CAP		APPROX. = APPROXIMATE
	(SIZE & IDENTIFICATION AS NOTED)	C = LIGHT POLE: CONCRETE	BLDG. = BUILDING
^		GV = GATE VALVE	BLK. = BLOCK
(×)	= BOUNDARY CORNER NUMBER DESIGNATION	— GATE VALVE	W/ = WITH
_		E = FAUCET	COR. = CORNER
Т	= TEE DESIGNATION		TYP. = TYPICAL
X>	= HOLE DESIGNATION	© = CLEAN-OUT	S.R. = STATE ROAD
WM ⊠		(D) = MANHOLE: STORM DRAINAGE	CONC. = CONCRETE
	= WATER METER		P.B. = PLAT BOOK
Y	= FIRE HYDRANT	W = MONITORING WELL	LOM = LIMITS OF MAINTENANCE/MOWING
BFP			PL. = PLANTER (LANDSCAPE)
\triangle	= BACKFLOW PREVENTOR	= TEMPORARY BENCHMARK	FF. = FINISHED FLOOR ELEVATION
\$	= SERVICE POLE	= SHRUB OR BUSH	EL. = ELEVATION
	MANUAL E. CANTARY OF WER		= BOUNDARY LINE
S	= MANHOLE: SANITARY SEWER	= PALM TREE	= WATER BOUNDARY LINE
ď	= MAILBOX	= CEDAR TREE	
₩V	WATER VALVE		= PARCEL OR TRACT LINE
\bowtie	= WATER VALVE	= SWEET GUM TREE	= SECTION LINES
	= GUY POLE	ورشم در برای = OAK TREE	SECTION EINES
	DUDIED LITHUDY MADICED		= LOT LINES
	= BURIED UTILITY MARKER	= TREE: UNKNOWN SPECIES	= RIGHT-OF-WAY LINE
\leftarrow	= GUY ANCHOR	, \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	= RIGHT-OF-WAT LINE
-0	= SIGN	{·} = HOLLY TREE	
EJB ⊠	FLEOTRICAL HUNOTION BOY	= PINE TREE	
×	= ELECTRICAL JUNCTION BOX		= FRACTIONAL SECTION LINE
\otimes	= TELEPHONE JUNCTION BOX	= MAGNOLIA TREE	— — — = EASEMENT LINE
1	CTREET CION	SEC = SECTION	
-	= STREET SIGN	T18S = TOWNSHIP 18 SOUTH	——————————————————————————————————————
®	= DELINEATOR	R17E = RANGE 17 EAST	= EDGE OF ASPHALT PAVEMENT
_		MES = MITERED END SECTION	- EDGE OF AGITAL TAVEMENT
Q	= WOOD POLE	PVC = POLYVINYL CHLORIDE	— — — = UNIMPROVED ROADWAYS
×	= IRRIGATION VALVE	S.F. = SQUARE FEET	OVERHEAD LITTLED LITTLED
V \	THE THE TENE	TJB = TELEPHONE JUNCTION BOX	= OVERHEAD UTILITY LINE
lacktriangle	= BORE HOLE	PC. = POINT OF CURVATURE	LOM = LIMITS OF MAINTENANCE
-	DOCT OF POLE	PT. = POINT OF TANGENCY	
\mathbb{H}	= POST OR POLE	(D) = DIMENSION/INFORMATION BASED ON DESCRIPTION	———— = WATERS EDGE

COORDINATE DISTANCE (EAST - WEST)

COORDINATE DISTANCE (NORTH - SOUTH)

— JWL — JURISDICTIONAL WETLAND LINE

WATER TABLE or WEIGHT

WATERSHED

GENERAL NOTES

- 1. THE CONTRACTOR SHALL REFER TO AND ABIDE BY ALL PERMIT DOCUMENTS AND GOVERNMENTAL AGENCY INSPECTIONS / REPRESENTATIVES DIRECTIONS FOR ANY ADDITIONAL REQUIREMENTS OF SAID AGENCIES.
- 2. ANY DEVIATION FROM THESE PLANS REQUIRES PRIOR WRITTEN APPROVAL FROM THE PROFESSIONAL ENGINEER OF RECORD AND, IF APPLICABLE, FROM MARION COUNTY.
- 3. THE GENERAL CONTRACTOR FOR THE PROJECT IS HEREBY REQUIRED, AS PART OF THE CONTRACT, TO REVIEW EACH SHEET OF THE SET AND STUDY THEIR CORRELATION PRIOR TO BIDDING & CONSTRUCTION.
- 4. THE GENERAL CONTRACTOR IS HEREBY REQUIRED TO IMPLEMENT SITE SAFETY AT ALL TIMES PER LATEST OSHA STANDARDS.
- 5. CONTRACTOR SHALL CONTACT FLORIDA SUNSHINE ONE-CALL AT 1-800-432-4770 PRIOR TO COMMENCING ANY UNDERGROUND EXCAVATION. THE GENERAL CONTRACTOR IS HEREBY REQUIRED TO CONTACT ALL PERTINENT UTILITY COMPANIES, FIELD VERIFY THE EXACT LOCATION, BOTH HORIZONTAL AND VERTICAL, OF ALL EXISTING UTILITIES WITHIN THE PROJECT BOUNDARY BY DIGGING TEST PITS BY HAND AT ALL UTILITY CROSSINGS WELL IN ADVANCE OF TRENCHING.
- 6. CONSTRUCTION SHALL COMMENCE ONLY AFTER APPROVAL OF ALL APPLICABLE PERMITS. THIS PROJECT FALLS WITHIN THE JURISDICTION OF THE FOLLOWING REGULATORY / MUNICIPAL AGENCIES:
- MARION COUNTY, FLORIDA SOUTH WEST FLORIDA WATER MANAGEMENT
- DISTRICT FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
- FLORIDA FISH AND WILDLIFE CONSERVATION
- COMMISSION FLORIDA DEPARTMENT OF TRANSPORTATION
- 11. ACCORDING TO FLOOD INSURANCE RATE MAP (FIRM) NO. 12083C0701E AS PREPARED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA), COMMUNITY 120160, PANEL 0701, SUFFIX E, EFFECTIVE DATE: APRIL 19, 2017, THE SUBJECT PROPERTY APPEARS TO LIE IN ZONE "X" (AN AREA OF MINIMAL FLOOD HAZARD).
- 12. ALL CONSTRUCTION COVERED BY THESE PLANS SHALL COMPLY WITH THE MATERIAL REQUIREMENTS AND QUALITY CONTROL STANDARDS CONTAINED IN THE MARION COUNTY LAND DEVELOPMENT CODE, AND THE PROJECT SPECIFICATIONS.
- 13. THE CONTRACTOR SHALL IMMEDIATELY CONTACT PROJECT ENGINEER, PIGEON - ROBERTS & ASSOCIATES, LLC. IF PLANS ARE UNCLEAR, REQUIRING INTERPRETATION OR CONFLICTING INFORMATION IS DISCOVERED.
- 14. THE CONTRACTOR SHALL COORDINATE ON-SITE WORK ACTIVITY, ACCESS AND MATERIALS STORAGE LOCATION WITH OTHER ON-SITE CONTRACTORS SO THAT WORK AT THE PROPOSED PROJECT SITE CAN COMMENCE IN HARMONY WITH OTHER SITE DEVELOPMENT ACTIVITIES.
- THE BOUNDARY AND TOPOGRAPHIC SURVEY UPON WHICH THIS MAJOR SITE PLAN IS BASED WAS PREPARED BY PIGEON-ROBERTS & ASSOCIATES, LLC, PROJECT NO. 410.01, FILE NO. 410.01.001, DATED FEBRUARY 22, 2018. ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988 AS DETERMINED FROM SOURCE BENCHMARK "BM 61A" (GEOGRAPHIC INFORMATION SYSTEM POINT IDENTIFICATION 1128"). ELEVATION 84.112 FEET. AS PUBLISHED BY THE SURVEY DIVISION OF THE MARION COUNTY OFFICE OF THE COUNTY ENGINEER, AS PUBLISHED BY THE NATIONAL GEODETIC SURVEY.
- 15. SOIL BORINGS AND SOIL INFORMATION OBTAINED FROM UNIVERSAL ENGINEERING SCIENCES, INC., OCALA, FLORIDA REPORT NO. 1540887 DATED FEBRUARY 27,
- 16. THE CONTRACTOR SHALL PROVIDE ALL INFORMATION, AS-BUILT CERTIFIED SURVEYS, CERTIFIED TEST RESULTS, AND O&M MANUALS (IF APPLICABLE), TO ENGINEER FOLLOWING COMPLETION OF THE CONSTRUCTED ITEMS, AND IN TIME TO OBTAIN CERTIFICATIONS AS NEEDED FROM ALL STATE AND LOCAL AGENCIES. A MINIMUM OF 3 WEEKS PRIOR TO NEEDING CERTIFICATE OF OCCUPANCY. RECORD DRAWING INFORMATION SHALL INCLUDE BUT NOT BE LIMITED TO FINISHED GRADE ELEVATIONS, SANITARY SEWER LINE LOCATIONS, MANHOLE AND STORM STRUCTURE RIM AND INVERT ELEVATIONS, PLUS LOCATION, DIMENSION AND ELEVATIONS OF ALL OTHER CONSTRUCTION COMPONENTS THAT VARY FROM THE DESIGN PLANS.
- 17. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND ELEVATIONS BEFORE COMMENCEMENT OF CONSTRUCTION. ANY DEVIATION IN PLAN INFORMATION SHALL BE REPORTED TO ENGINEER IMMEDIATELY.
- 18. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING A DEWATERING PERMIT FROM SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT, IF APPLICABLE.
- 19. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TRAFFIC AND USAGE OF EXISTING STREETS AND DRIVEWAYS ADJACENT TO THE PROJECT. ALL TRAFFIC MAINTENANCE CONTROL SHALL BE IN ACCORDANCE WITH THE FDOT MANUAL OF TRAFFIC CONTROL AND SAFE PRACTICES FOR STREET CONSTRUCTION, MAINTENANCE, AND UTILITY OPERATIONS.
- 20. UNDERGROUND CONTRACTOR SHALL MINIMIZE THE WORK AREA AND WIDTH OF TRENCHES TO AVOID DISTURBANCES OF NATURAL VEGETATION. SPOIL FROM TRENCHES SHALL BE PLACED ONLY ON PREVIOUSLY CLEARED AREAS OR AS DIRECTED BY THE OWNER CONTRACTOR SHALL NOT REMOVE AND/OR DISTURB ANY TREES OR SHRUBS WITHOUT PRIOR APPROVAL BY ENGINEER.

GENERAL NOTES CONTINUED:

- 18. ALL UNDERGROUND UTILITIES AND INFRASTRUCTURE TO BE LOCATED BENEATH THE STABILIZED PORTION OF THE ROAD BED SHALL BE INSTALLED BEFORE COMPACTION OF THE SUBGRADE OR AS OTHERWISE DIRECTED BY ENGINEER.
- 19. CONTRACTOR SHALL NOT INTERRUPT OPERATION OF EXISTING UTILITIES UNLESS OBTAINING WRITTEN PERMISSION FROM THE RESPECTIVE UTILITY OWNER.
- 20. TESTING: ALL TESTS SHALL BE IN ACCORDANCE WITH LOCAL AGENCY LAND DEVELOPMENT CODE REQUIREMENTS UNLESS OTHERWISE SPECIFIED.
- 21. AREAS DISTURBED BY CONSTRUCTION SHALL BE SODDED, UNLESS OTHERWISE NOTED ON THE PLANS. A FULL STAND OF PERENNIAL GRASS WILL BE REQUIRED PRIOR TO RECEIVING PROJECT APPROVAL.
- 22. NOTIFICATION TO OWNER AND ENGINEER IS REQUIRED 72 HOURS BEFORE CONSTRUCTION COMMENCEMENT, ALSO FOR PERFORMANCE OF DENSITY TESTING AND ASPHALTIC APPLICATION.
- 23. CONTRACTOR TO GUARANTEE ALL WORK FOR A PERIOD OF ONE YEAR.
- 24. THE CONTRACTOR WILL ENGAGE THE SERVICES OF A RECOGNIZED SOILS AND MATERIALS TESTING LABORATORY FOR COMPLIANCE TESTING. THE COST OF ANY RE-TESTING REQUIRED. OR IMPACTS OF TIME DELAYS CAUSED BY WORK, OR MATERIALS NOT MEETING STATED CONTRACT REQUIREMENTS SHALL BE THE CONTRACTOR'S RESPONSIBILITY. THE CONTRACTOR SHALL SCHEDULE TESTING SO THAT CONSTRUCTION ACTIVITIES ARE NOT DISRUPTED. MISCELLANEOUS TESTING ABOVE AND BEYOND NORMALLY SCHEDULED TESTING MAY BE REQUESTED BY THE OWNER AT ANY TIME. THE CONTRACTOR SHALL COOPERATE WITH SUCH ACTIVITIES.
- 25. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH ALL FEDERAL, STATE, LOCAL, AND PRIVATE ENTITIES POTENTIALLY AFFECTED. THE CONTRACTOR SHALL PROVIDE A MINIMUM OF 72 HOURS NOTICE OF WHEN CONSTRUCTION WILL COMMENCE IN THE AREA, TO ENABLE FIELD LOCATION OF UTILITY LINES BEFORE CONSTRUCTION. A "ONE CALL" 1-800-432-4770 DOES NOT TOTALLY REPRESENT ALL UTILITIES POTENTIALLY AFFECTED.ALL UTILITIES SHALL BE KEPT IN OPERATION EXCEPT WITH THE EXPRESS WRITTEN CONSENT OF THE UTILITY OWNER. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO PRESERVE EXISTING UTILITIES. ANY AND ALL DAMAGE TO EXISTING UTILITIES AS A RESULT OF THE CONTRACTORS ACTIVITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- 26. THE CONTRACTOR SHALL BE RESPONSIBLE TO REVIEW THE SITE TO DETERMINE EXISTING CONDITIONS. ANYTHING NOT COVERED IN THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE AND SHALL NOT CONSTITUTE AN EXTRA. UNLESS APPROVED IN WRITING BY THE OWNER.
- 27. THE CONTRACTOR SHALL IMMEDIATELY CONTACT THE OWNER'S REPRESENTATIVE UPON DISCOVERY OF CONFLICTS BETWEEN THE CONTRACT REQUIREMENTS AND ACTUAL CONSTRUCTION CONDITIONS AND SHALL NOT PROCEED WITH ANY WORK FOR WHICH THE CONFLICT HAS ARISEN UNTIL CONFLICT IS RESOLVED WITH THE OWNER'S REPRESENTATIVE.
- 28. ALL BURIED PIPELINES, CONDUITS, CABLES, ETC. SHALL HAVE A MINIMUM COVER OF 30 INCHES BELOW FINISHED GRADE UNLESS OTHERWISE CALLED FOR. ALL FACILITIES AND ACCESSORIES SHALL BE INSTALLED IN COMPLIANCE WITH APPLICABLE LOCAL CODES AND REQUIREMENTS PLUS THESE CONTRACT DOCUMENTS.
- 29. ALL DUST SHALL BE CONTROLLED ON SITE. ONLY AREAS SCHEDULED FOR IMMEDIATE CONSTRUCTION SHALL BE CLEARED OR STRIPPED OF PAVEMENT OR VEGETATION WATERING, APPLICATION OF CALCIUM CHLORIDE, OR OTHER PRIOR APPROVED MEANS OF DUST CONTROL SHALL BE EMPLOYED TO PREVENT THE TRANSPORT OF DUST FROM THE SITE. PERMANENT PAVEMENT, GRASSING, LANDSCAPING, AND OTHER SITE WORK SHALL BE INCORPORATED AS SOON AS POSSIBLE.
- 30. CONSTRUCTION SHALL BE CARRIED OUT 'IN THE DRY'. THE CONTRACTOR SHALL REVIEW SITE CONDITIONS AND DETERMINE METHODS AND EXTENT OF DEWATERING NECESSARY. NO ADDITIONAL COMPENSATION SHALL BE PROVIDED FOR CONTROL OF GROUND OR SURFACE WATER OR FOR ADDITIONAL MATERIALS OR TIME REQUIRED AS A RESULT OF INADEQUATE OR INSUFFICIENT DEWATERING.
- 31. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPLYING RECORD DRAWING INFORMATION INCLUDING, BUT NOT LIMITED TO, FINISHED GRADE ELEVATIONS, SANITARY SEWER LINES, MANHOLE RIM AND INVERT ELEVATIONS, CLEANOUTS AND SERVICE CONNECTIONS, STRUCTURE TOP AND INVERT ELEVATIONS, PLUS LOCATIONS, DIMENSIONS. AND ELEVATIONS OF ALL OTHER CONSTRUCTION COMPONENTS WHICH VARY FROM THE DESIGN.
- 32. WATER AND WASTEWATER SYSTEMS SHALL NOT BE PLACED IN SERVICE (FOR TEMPORARY OR PERMANENT USE) UNTIL ALL TESTING AND INSPECTIONS HAVE BEEN COMPLETED. TEST REPORTS AND AS-BUILTS FOR THOSE SYSTEMS COMPLETED SHALL BE SUBMITTED AND CLEARANCE OBTAINED FROM APPLICABLE UTILITIES AND PERMITTING AGENCIES BEFORE ANY SUCH USE.
- 33. ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION ARE TO BE PROTECTED. IF A CORNER MONUMENT IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED THE CONTRACTOR SHALL EMPLOY THE SERVICES OF A PROFESSIONAL REGISTERED SURVEYOR TO REESTABLISH THE MONUMENT AND REFERENCES AND PROPERLY NOTIFY LOCAL PUBLIC AGENCIES AND FILE ALL REQUIRED DOCUMENTATION ALL AT NO ADDITIONAL COST TO THE OWNER.

ENVIRONMENTAL NOTES:

- 1. CONSTRUCTION EQUIPMENT SHALL NOT BE OPERATED IN WETLAND OR NATIVE VEGETATION AREAS UNLESS SUCH CONSTRUCTION PRACTICES ARE APPROVED IN A PLAN OF OPERATION SUBMITTED IN ACCORDANCE WITH APPLICABLE PLAN DETAIL AND SPECIFICATION SECTIONS.
- 2. BEFORE COMMENCING CONSTRUCTION ACROSS OR ADJACENT TO WETLANDS JURISDICTIONAL AREAS, SILT BARRIERS SHALL BE INSTALLED AS SHOWN ON THE PLANS, SILT FENCING SHALL BE CONSIDERED AS THE LIMITS OF CONSTRUCTION WITHIN OR ADJACENT TO JURISDICTIONAL AREAS. WETLAND JURISDICTIONAL AREAS SHOWN ON THE PLANS WHICH ARE ADJACENT TO THE WORK AND NOT PROTECTED BY SILT FENCING SHALL BE CLEARLY DELINEATED ON THE SITE AND ENDURE THROUGHOUT CONSTRUCTION AND BE DISCERNIBLE TO CONSTRUCTION PERSONNEL.
- STAKED SILT SCREEN, TURBIDITY BARRIERS OR STAKED HAY BALES SHALL BE UTILIZED AS SILT BARRIERS AND PLACED IN LOCATIONS SHOWN ON THE PLANS AND AT OTHER LOCATIONS AS REQUIRED TO KEEP SEDIMENT FROM REACHING WATER BODIES OR WETLAND AREAS. THESE BARRIERS SHALL BE INSTALLED BEFORE COMMENCING WITH ANY CONSTRUCTION WITHIN OR ADJACENT TO JURISDICTIONAL AREAS. THE CONTRACTOR SHALL MONITOR AND MAINTAIN ALL SILT BARRIERS AND FENCING INCLUDING DAILY INSPECTIONS TO CHECK THEIR INTEGRITY. ANY LOOSE OR DAMAGED SILT BARRIERS AND FENCING SHALL BE IMMEDIATELY REPAIRED OR REPLACED AS NECESSARY, ONCE CONSTRUCTION IS COMPLETED AND FINISHED GRADING AND STABILIZATION HAS BEEN ACHIEVED, SILT BARRIERS AND FENCING SHALL BE COMPLETELY REMOVED TO THE SATISFACTION OF THE ENGINEER AND BEFORE FINAL ACCEPTANCE.
- 4. ALL WATER COLLECTED AND PUMPED DURING TRENCH DEWATERING ACTIVITIES SHALL BE DISPOSED OF IN UPLAND AREAS INTO DOUBLE STAKED HAY BALES. DISCHARGE LOCATIONS SHALL BE A MINIMUM OF 75 FEET FROM THE NEAREST WATER BODY OR WETLAND AREA TO ALLOW FOR MAXIMUM OVERLAND FILTRATION OF SOIL PARTICLES. EXCAVATION ACROSS ALL WETLANDS SHALL BE ACCOMPLISHED BY STRIPPING THE TOP 10 INCHES OF SURFICIAL SOILS FROM THE FULL WIDTH OF THE AREA TO BE DISTURBED. SURFICIAL SOILS SHALL BE REPLACED LAST AND SHALL BE SPREAD ACROSS THE ENTIRE DISTURBED WETLAND AREA TO HELP PROMOTE NATIVE VEGETATION GROWTH. SURFICIAL SOILS SHALL NOT BE STOCKPILED IN EXCESS OF TWO WEEKS. FURTHER. ALL ASPECTS OF BACKFILLING, GRADING AND MULCHING SHALL BE COMPLETE WITHIN 30 DAYS OF INITIAL WETLAND IMPACT FOR EACH JURISDICTIONAL AREA.
- 5. TEMPORARY STOCKPILES SHALL NOT BE LOCATED ADJACENT TO WETLANDS WHERE SEDIMENTATION FROM STOCKPILES MAY CAUSE DAMAGE TO WETLAND, ADDITIONALLY, SILT BARRIERS AND FENCING SHALL CONTINUOUSLY AND FULLY ENCIRCLE ALL STOCKPILES WHICH WILL REMAIN FOR LONGER THAN 24 HOURS TO CONTAIN MATERIALS WITHIN A REASONABLY CONFINED AREA.
- 6. BANKS SHALL BE PROTECTED FROM EROSION OR COLLAPSE DURING CONSTRUCTION. BANK PROTECTION MATERIAL SHALL BE CAREFULLY PLACED FROM THE BANK AND NOT DUMPED FROM ABOVE IN AN UNCONTROLLED MANNER. SANDBAGS SHALL BE USED FOR PROTECTING THE BANKS, UPON COMPLETION OF CONSTRUCTION. BANKS AND WATERWAYS SHALL BE RESTORED TO THEIR PRE-CONSTRUCTION CONFIGURATION AND PROTECTED FROM EROSION.
- 7. THE CONTRACTOR SHALL NOT REMOVE ANY TREES WITHOUT COORDINATING SUCH REMOVAL WITH THE ENGINEER. IF ANY TREES ARE REMOVED IN WETLAND JURISDICTIONAL. OR NATIVE VEGETATION AREAS WITHOUT PROPER AUTHORIZATION, CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING A DETAILED RESTORATION AND/OR MITIGATION PLAN, SUBMITTING PLAN TO AND OBTAINING APPROVAL FROM FDEP, WATER MANAGEMENT DISTRICT, COUNTY, OWNER AND ENGINEER. AND COMPLETING ANY MONITORING AND MAINTENANCE REQUIREMENTS IMPOSED AS A RESULT OF TREE REMOVAL.

GENERAL PIPING NOTES:

1. ALL ABOVE GROUND PIPING, UNLESS SPECIFICALLY EXEMPTED SHALL HAVE FLANGED, WELDED, SCREWED, OR OTHER RIGID CONNECTIONS.

Graphic Scale

- 2. ALL BURIED PIPING, UNLESS SPECIFICALLY EXEMPTED. SHALL HAVE PUSH-ON JOINTS, OR WELDED HDPE.
- LAY PIPE AT UNIFORM GRADE BETWEEN INDICATED POINTS.
- 4. SIZE OF FITTINGS SHOWN ON THE PLANS SHALL CORRESPOND TO THE ADJACENT STRAIGHT RUN OF PIPE UNLESS OTHERWISE CALLED FOR.
- ALL FLEXIBLE CONNECTORS OR FLANGED COUPLING ADAPTERS SHALL BE WITH THRUST TIES, ORANCHORS, UNLESS OTHERWISE NOTED.THRUST PROTECTION SHALL BE ADEQUATE FOR THE TEST PRESSURES SPECIFIED MINIMUM TEST PRESSURE OF 100 PSI.
- 6. ALL BURIED PIPING SPECIFIED TO BE PRESSURE TESTED. EXCEPT FLANGED, WELDED, OR SCREWED PIPING, SHALL BE PROVIDED WITH THRUST RESTRAINT AT ALL DIRECTION CHANGES . UNLESS OTHERWISE NOTED. SEE THRUST DETAILS AND NOTES WHERE PROVIDED.
- 7. ALL TEES, CROSSES, PLUGS, BENDS (HORIZONTAL AND VERTICAL). DEFLECTING 11.25 DEGREES OR MORE. SHALL BE INSTALLED WITH RESTRAINED JOINTS.
- 8. SPECIAL PIPE FOUNDATIONS, IF REQUIRED, SHALL BE DETERMINED IN THE FIELD AND THE TYPE REQUIRED SHALL BE REVIEWED BY THE OWNER'S REPRESENTATIVE.
- 9. DEWATERING COSTS FOR PIPE AND STRUCTURE INSTALLATIONS SHALL BE INCLUDED IN THE PIPE AND STRUCTURE PRICE.





File No.

410.01.001

Job No.

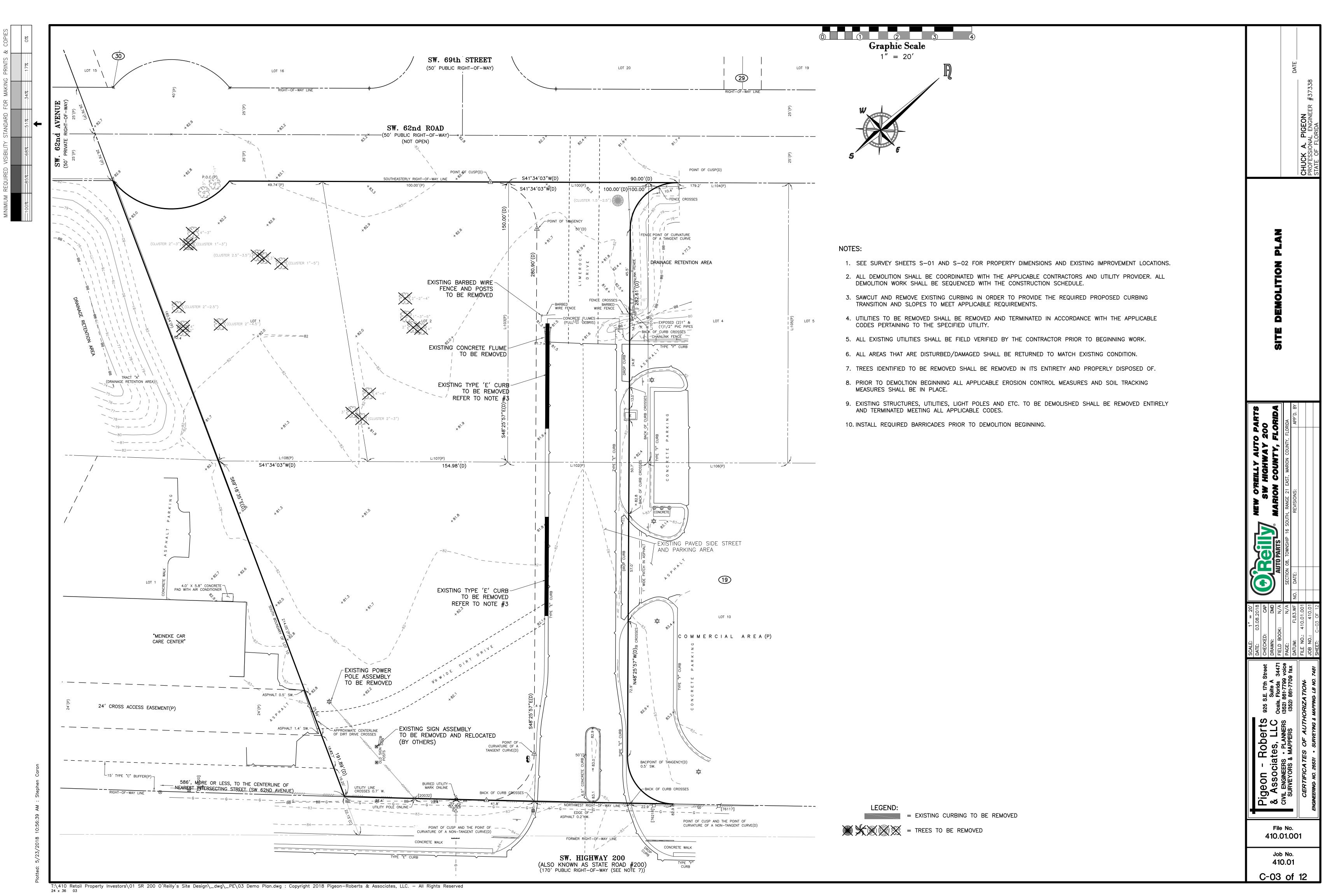
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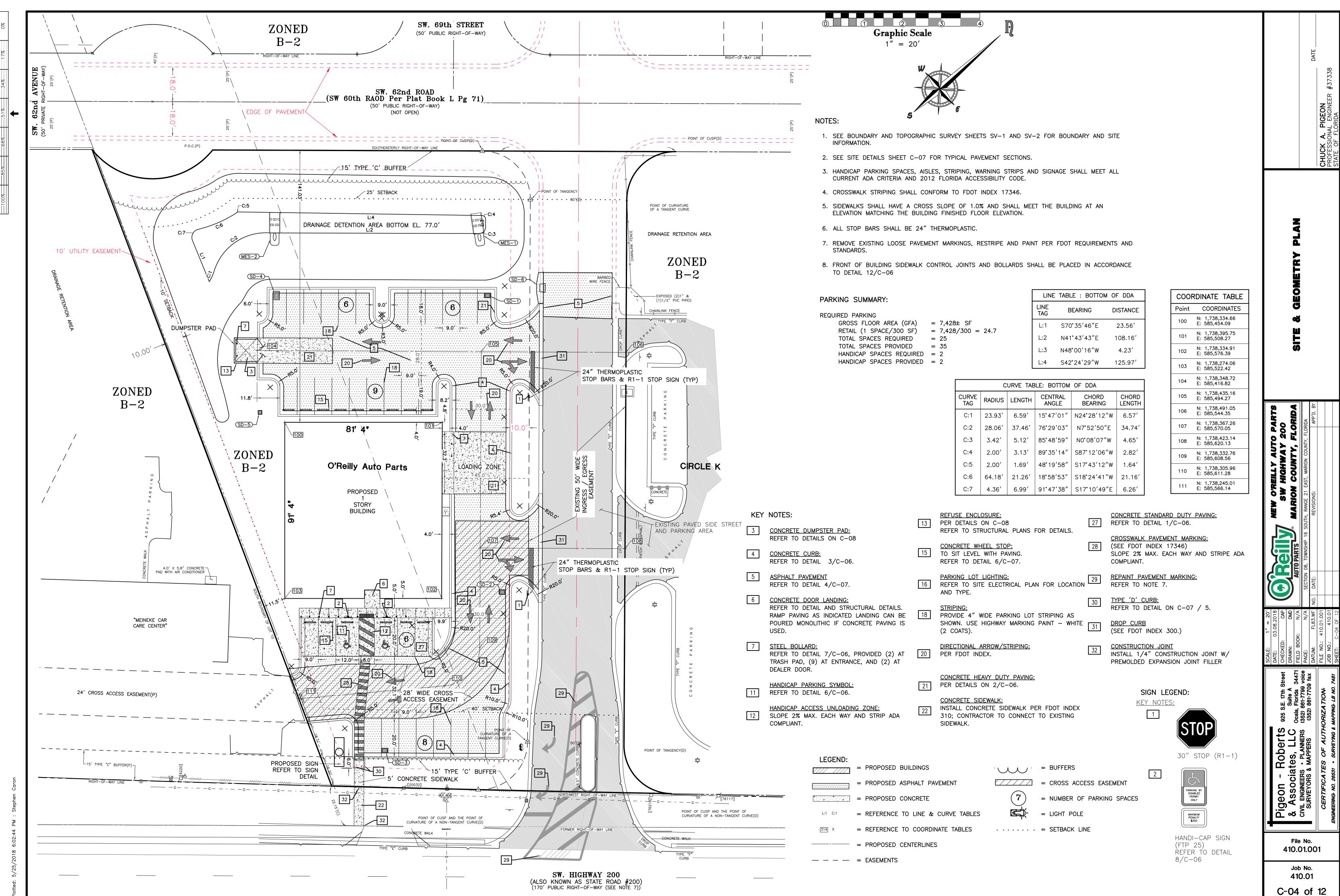
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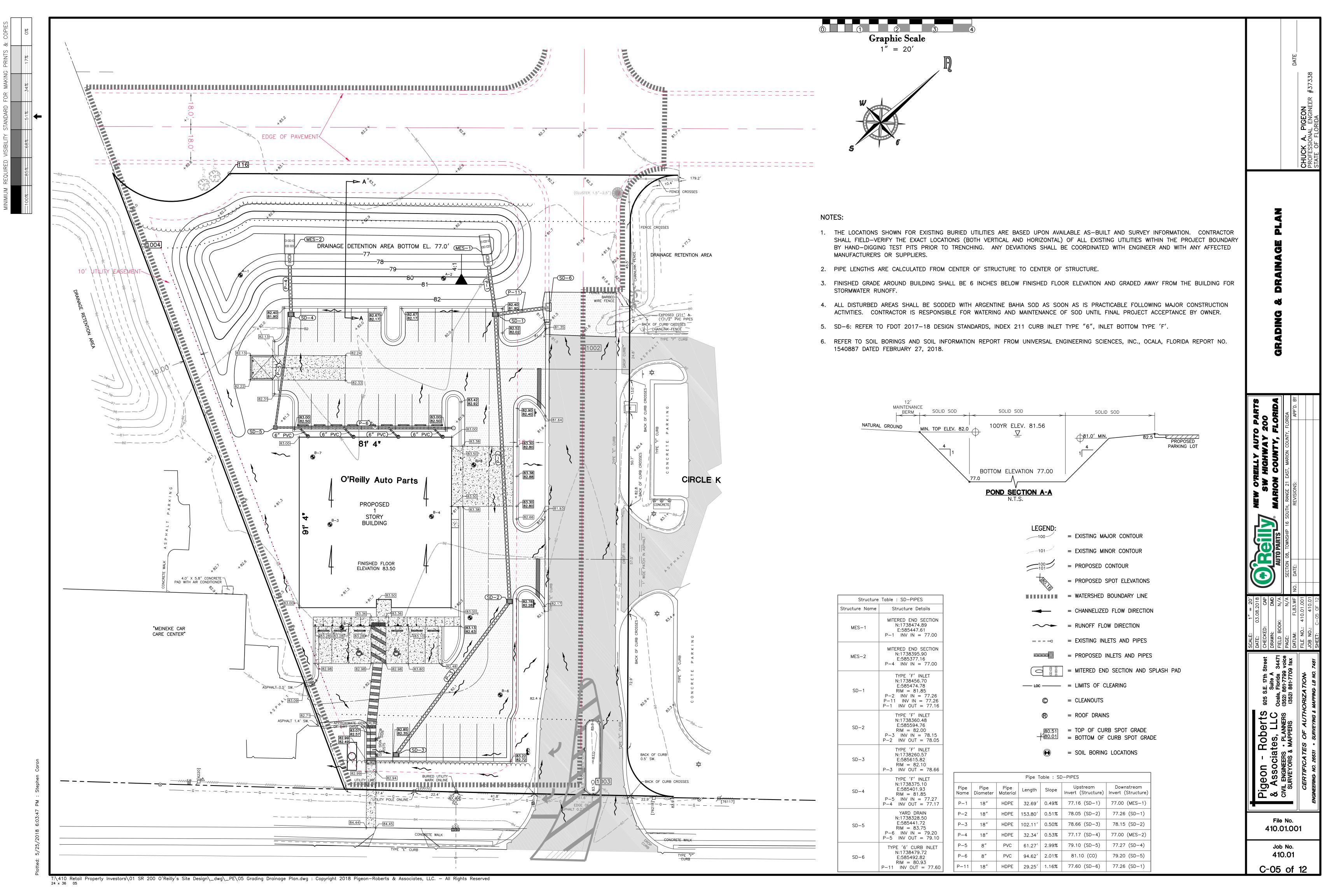
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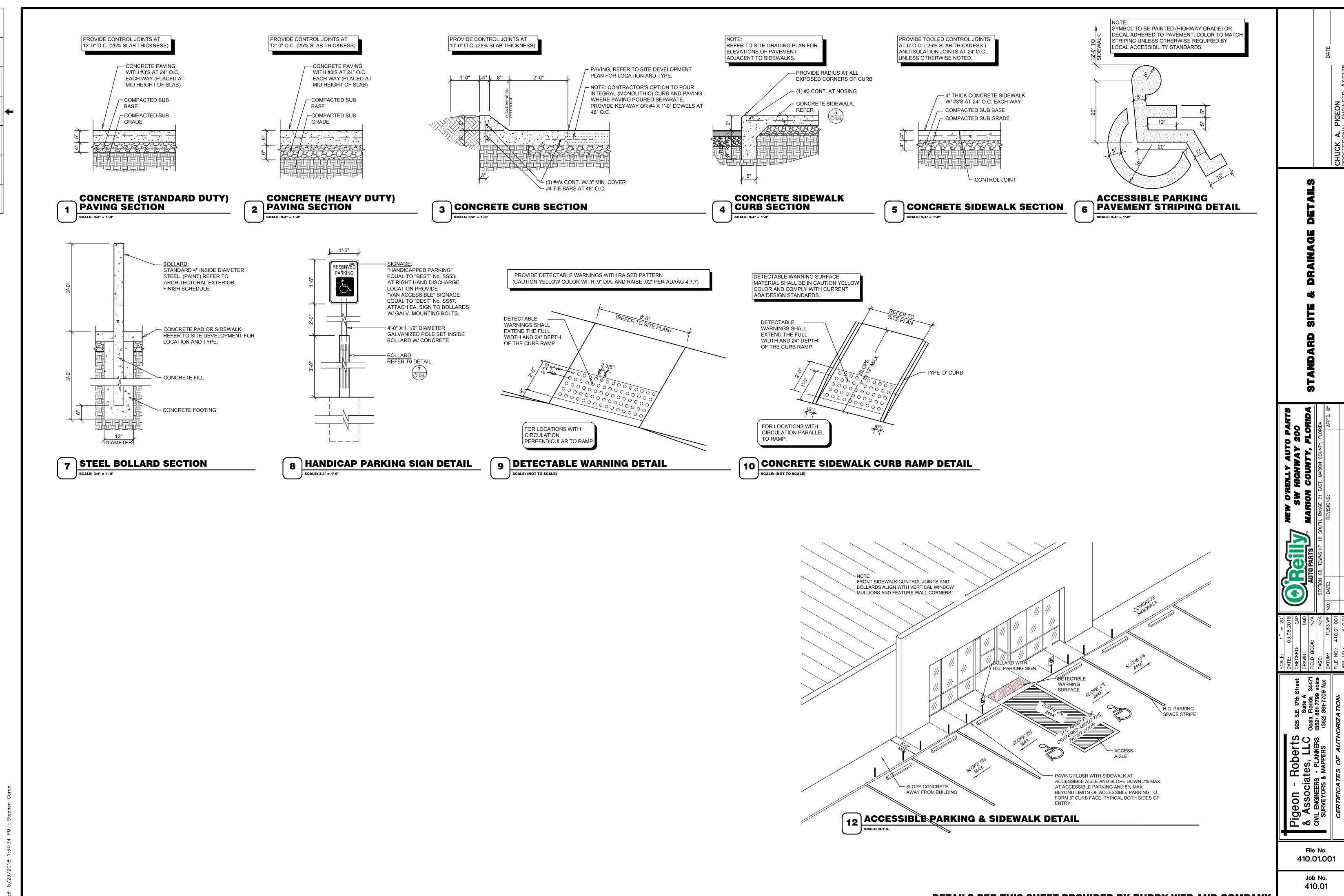
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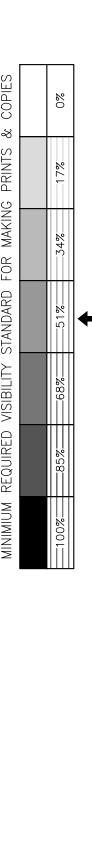


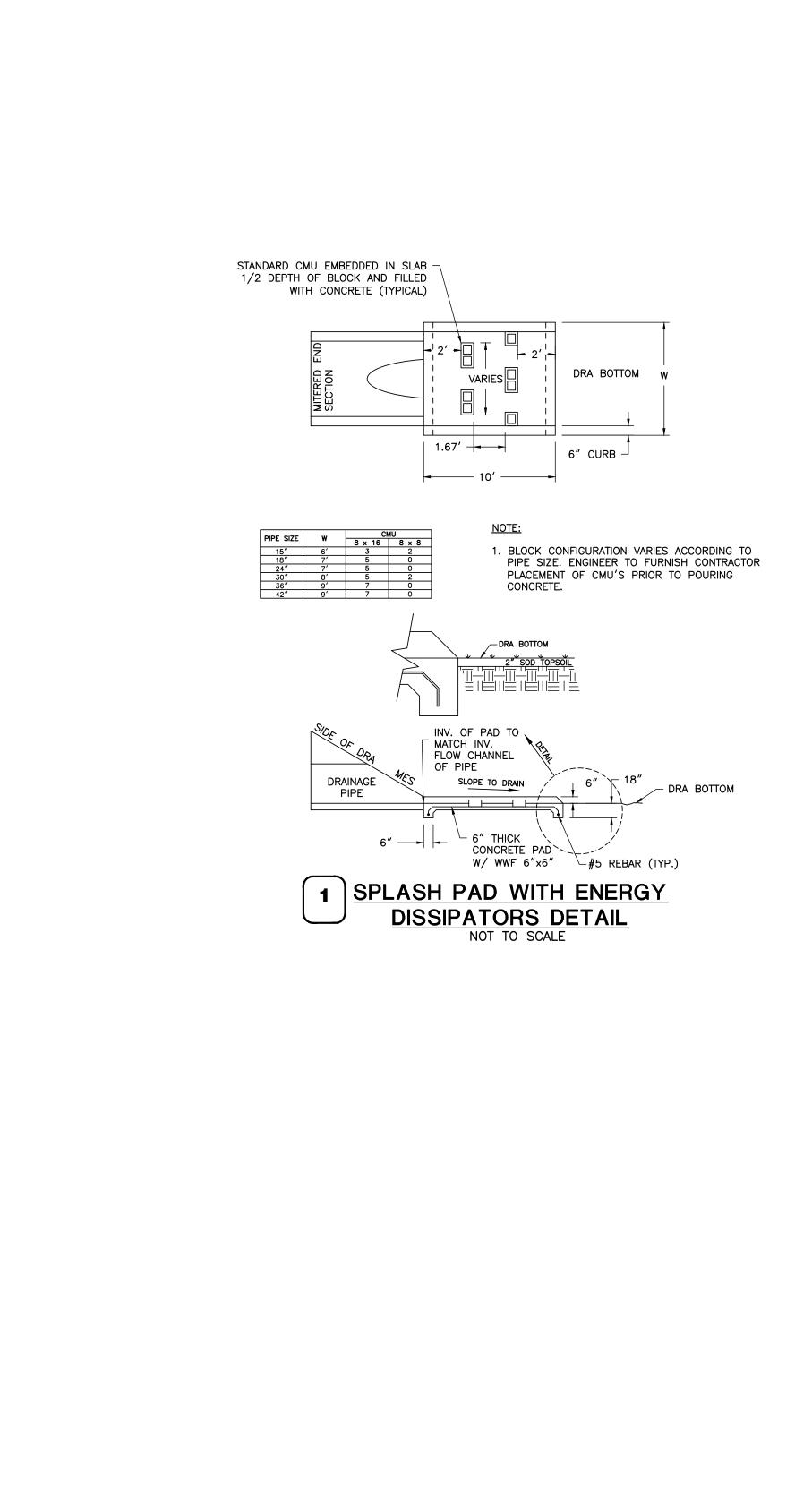


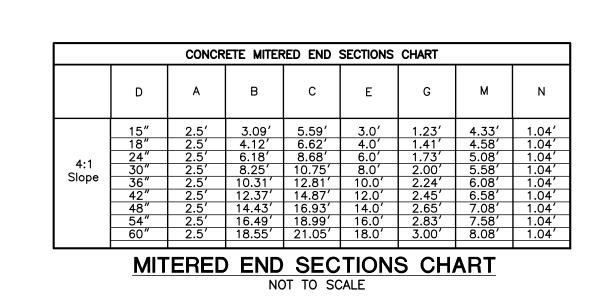
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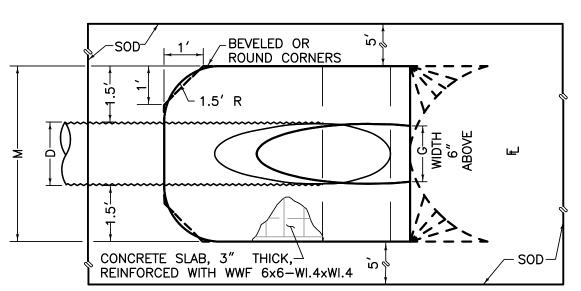
DETAILS PER THIS SHEET PROVIDED BY BUDDY WEB AND COMPANY C-0

C-06 of 12

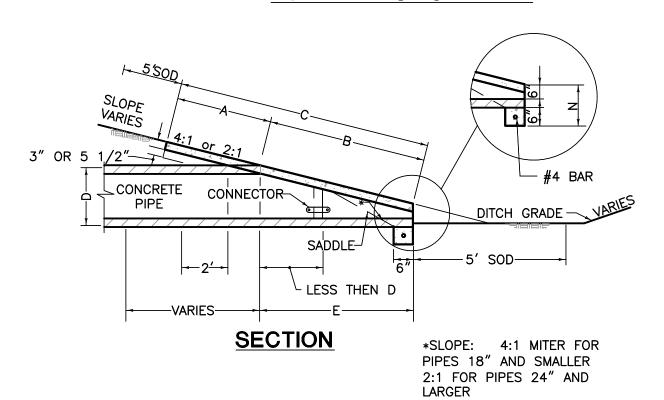




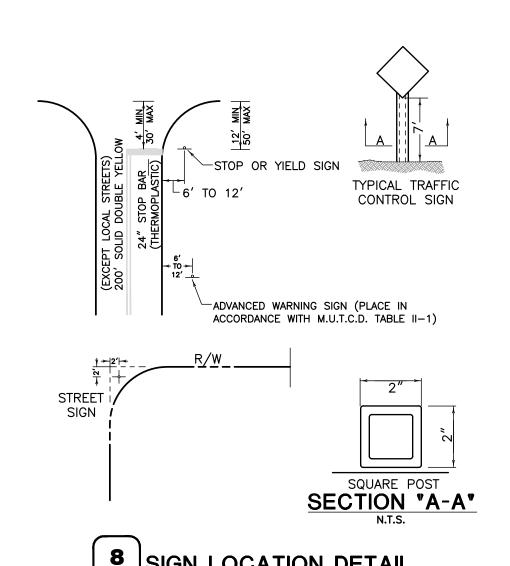


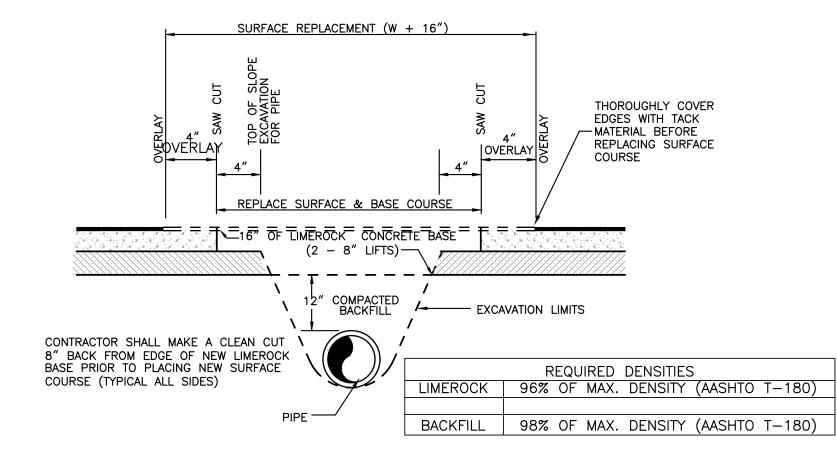


TOP VIEW-SINGLE PIPE

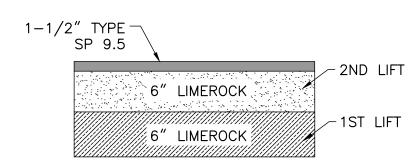


2 CONCRETE MITERED END SECTION NOT TO SCALE

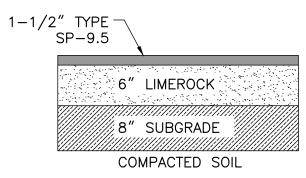




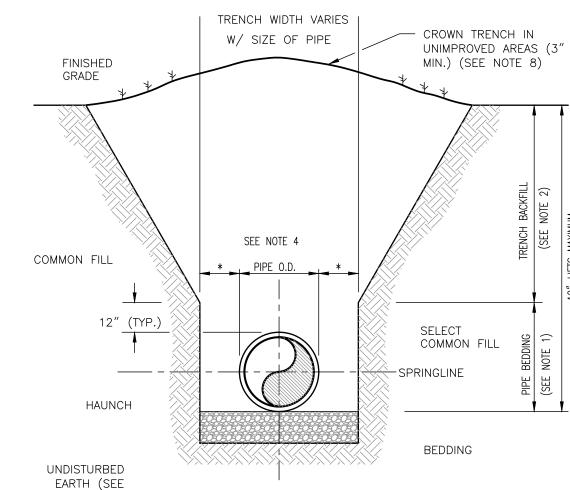
PAVEMENT RESTORATION DETAIL FOR DRIVEWAYS AND COUNTY ROADWAYS N.T.S.



TYPICAL PAVEMENT SECTION NOT TO SCALE



OPTIONAL PAVEMENT SECTION NOT TO SCALE



NOTES:

1. PIPE BEDDING: SELECT COMMON FILL COMPACTED TO 95% OF THE MAXIMUM DENSITY AS PER AASHTO T-180.

1. PIPE BEDDING: SELECT COMMON FILL COMPACTED TO 95% (98% under roadways) OF

THE MAXIMUM DENSITY AS PER AASHTO T—180.

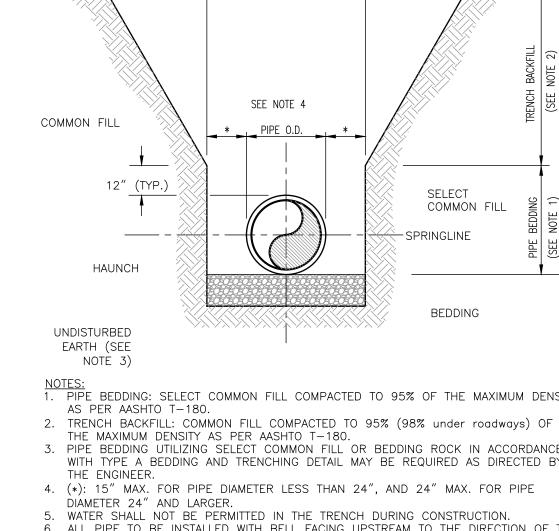
3. PIPE BEDDING UTILIZING SELECT COMMON FILL OR BEDDING ROCK IN ACCORDANCE WITH TYPE A BEDDING AND TRENCHING DETAIL MAY BE REQUIRED AS DIRECTED BY

THE ENGINEER.

6. ALL PIPE TO BE INSTALLED WITH BELL FACING UPSTREAM TO THE DIRECTION OF THE 7. FINAL RESTORATION IN IMPROVED AREAS SHALL BE IN COMPLIANCE WITH ALL APPLICABLE REGULATIONS OF GOVERNING AGENCIES. SURFACE RESTORATION WITHIN MARION COUNTY RIGHT-OF-WAY SHALL COMPLY WITH REQUIREMENTS OF

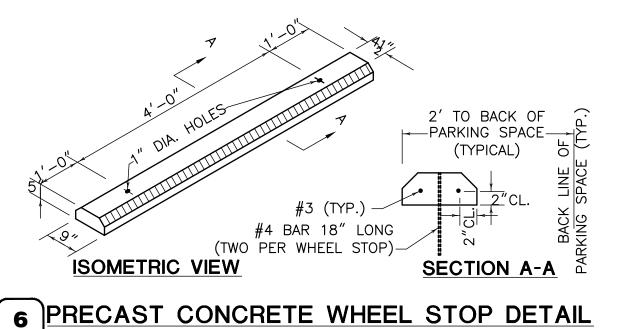
RIGHT-OF-WAY UTILIZATION REGULATIONS/PERMIT AND ROAD CONSTRUCTION SPECIFICATIONS. 8. BEDDING AND BACKFILL WITH SELECTED MATERIALS TO BE PLACED AND COMPACTED IN 6" LIFTS, UTILIZING METHODS AND EQUIPMENT APPROVED BY ENGINEER.

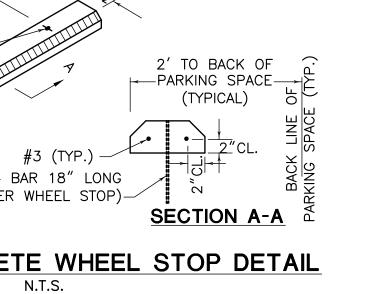
HDPE PIPE TRENCHING, BEDDING, AND BACKFILL DETAIL NOT TO SCALE

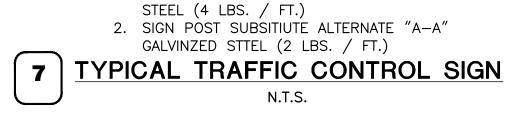


9. MATERIALS USED FOR CONSTRUCTION SHALL MEET OR EXCEED PIPE MANUFACTURES SPECIFICATIONS.

STABILIZED NOTE: 1/2" EXPANSION JOINTS SHALL BE PLACED THRU CURBS AT ALL RADIUS POINTS.

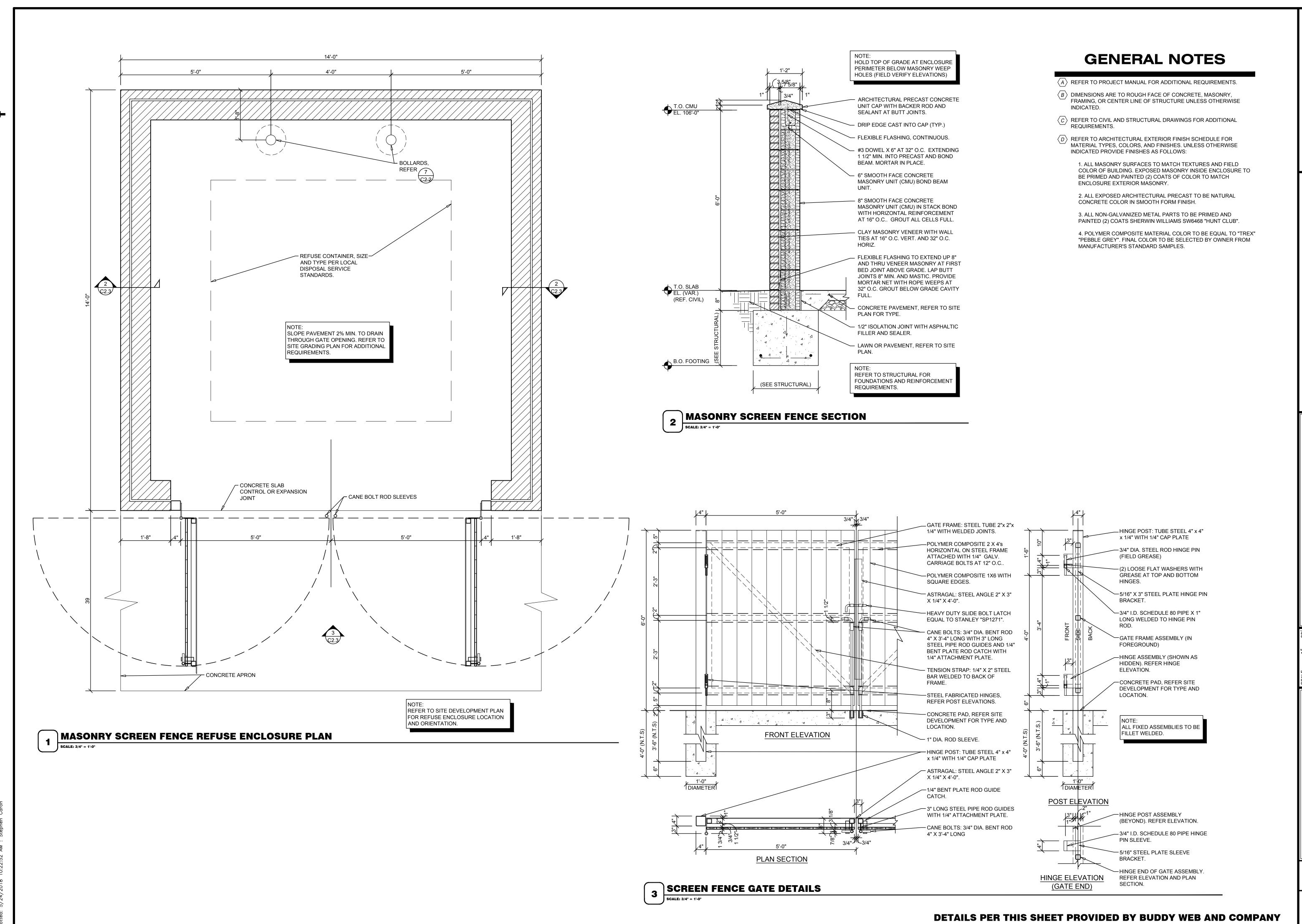






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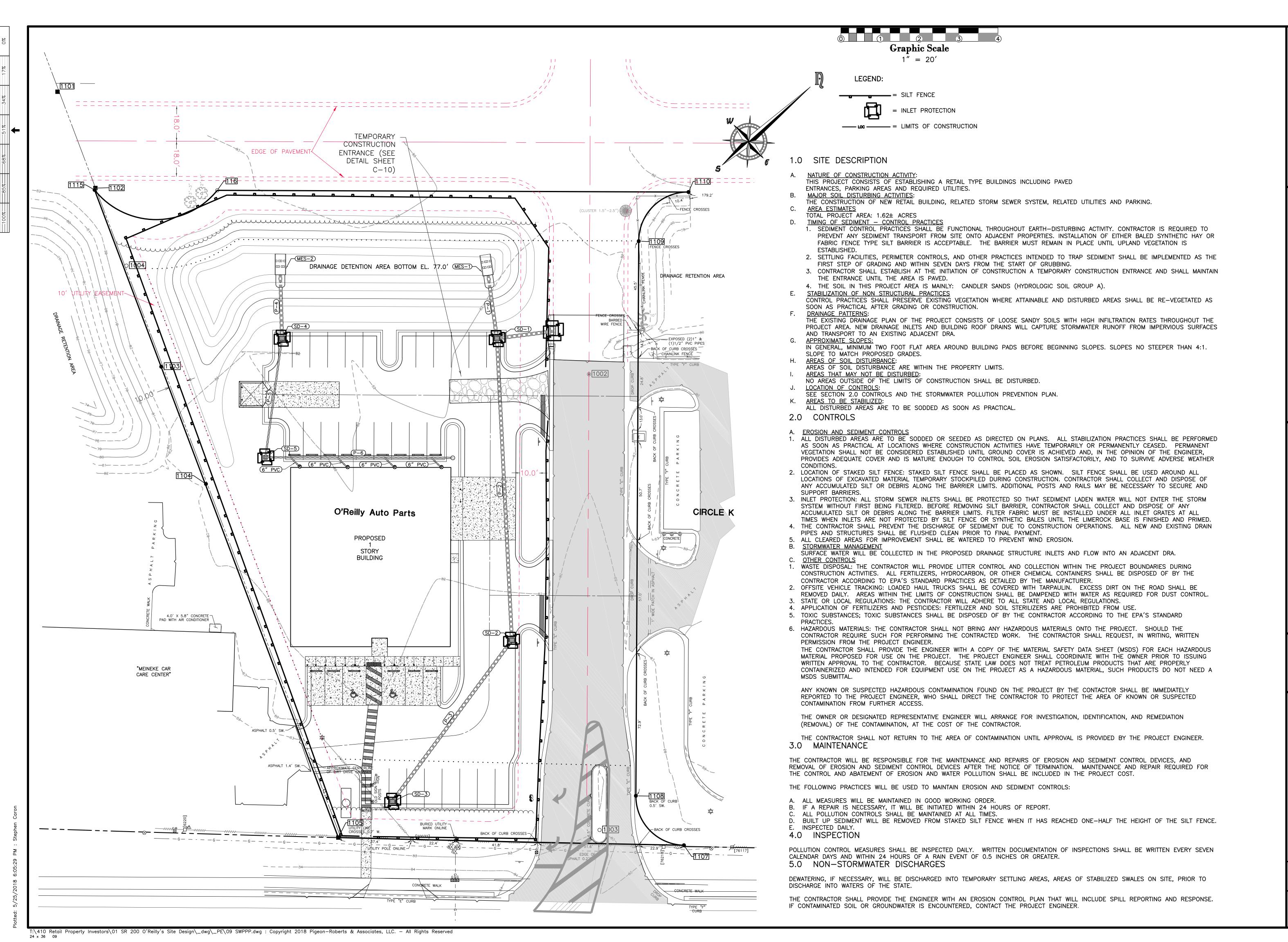


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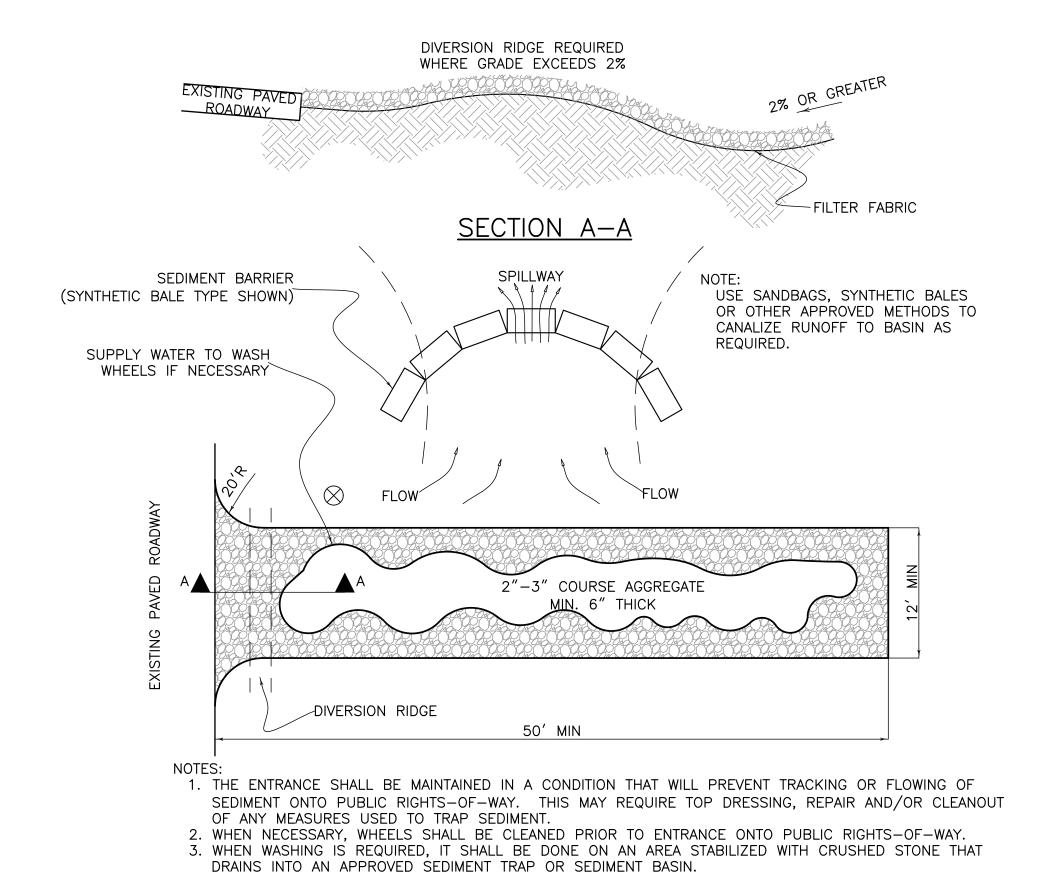
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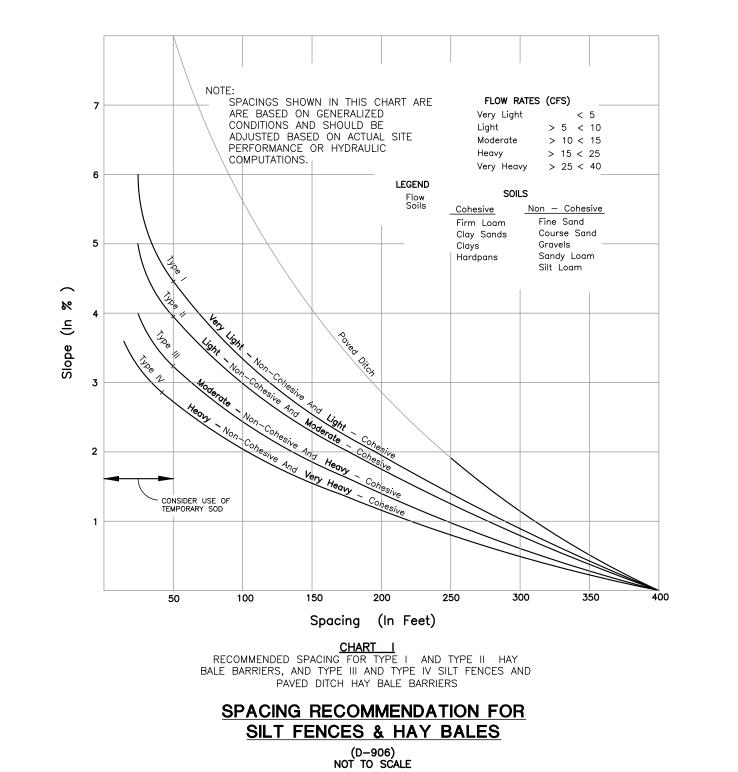
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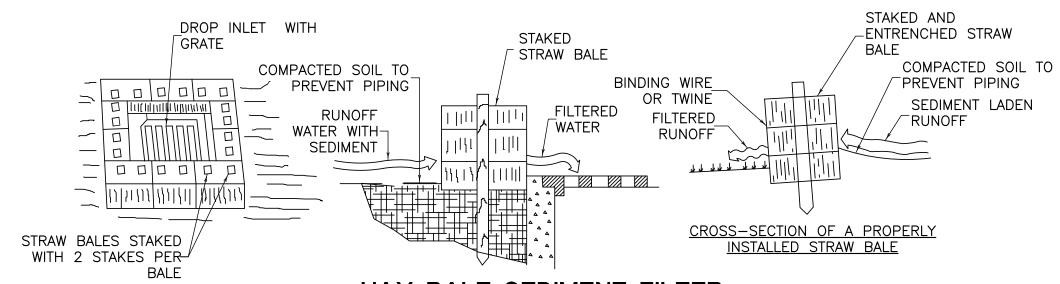
TYPICAL SINK CHIMNEY REPAIR DETAIL NOT TO SCALE



TEMPORARY CONSTRUCTION ENTRANCE

NOT TO SCALE

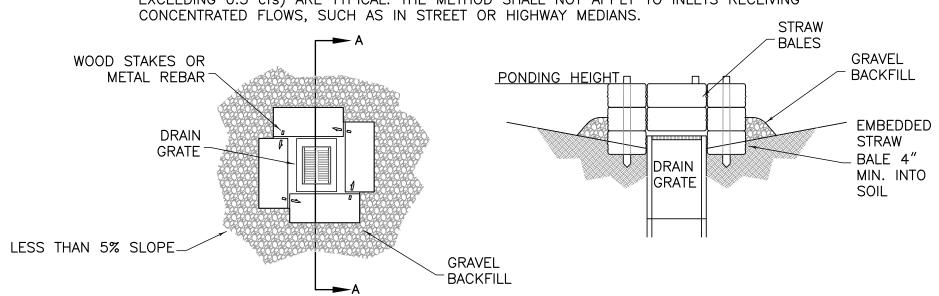




HAY BALE SEDIMENT FILTER

SPECIFIC APPLICATION

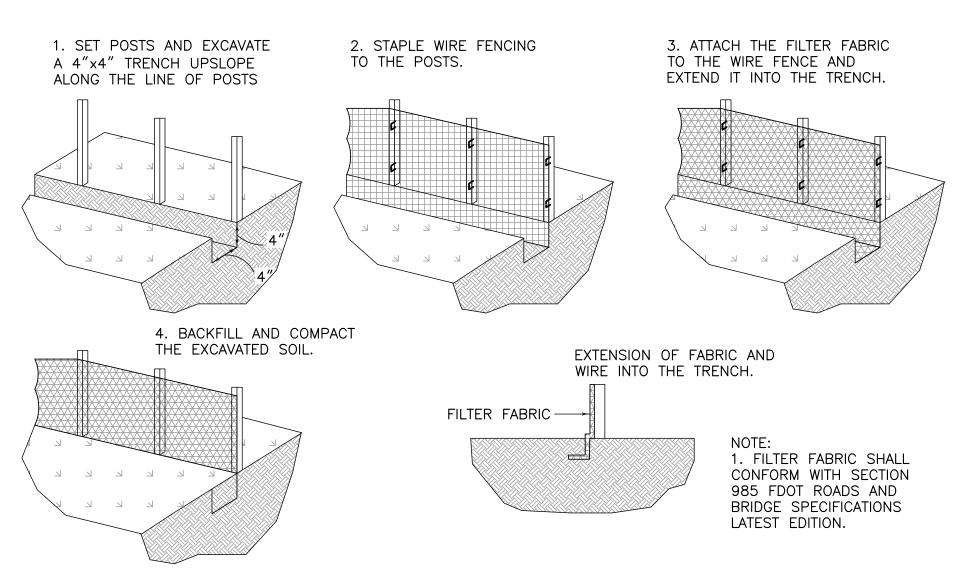
THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE THE INLET DRAINS A RELATIVELY FLAT AREA (SLOPES NO GREATER THAN 5 PERCENT) WHERE SHEET OR OVERLAND FLOWS (NOT EXCEEDING 0.5 cfs) ARE TYPICAL. THE METHOD SHALL NOT APPLY TO INLETS RECEIVING



1. DROP INLET SEDIMENT BARRIERS ARE TO BE USED FOR SMALL, NEARLY LEVEL DRAINAGE AREAS. (LESS THAN 5%)

- 2. EMBED THE BALES 4" INTO THE SOIL AND OFFSET CORNERS OR PLACE BALES WITH ENDS TIGHTLY ABUTTING. GRAVEL BACKFILL WILL PREVENT EROSION OR FLOW AROUND THE BALES.
- 3. THE TOP OF THE STRUCTURE (PONDING HEIGHT) MUST BE WELL BELOW THE GROUND ELEVATION DOWNSLOPE TO PREVENT RUNOFF FROM BY-PASSING THE INLET. EXCAVATION OF A BASIN ADJACENT TO THE DROP INLET OR A TEMPORARY DIKE ON THE DOWN-SLOPE OF THE STRUCTURE MAY BE NECESSARY.

SYNTHETIC HAY BALE (D-911) N.T.S.



CONSTRUCTION DETAILS FOR SILT FENCES

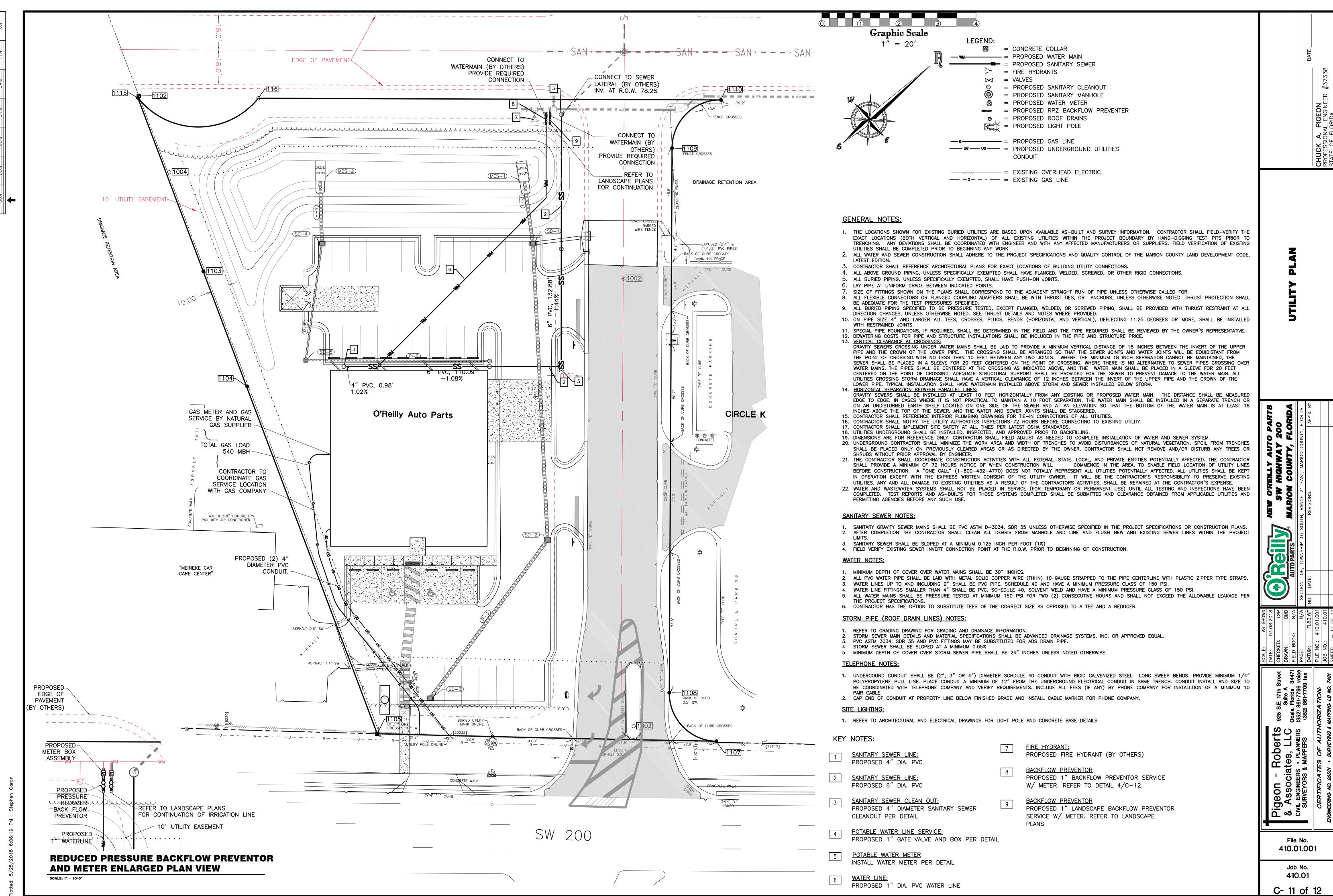
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File No. 410.01.001 Job No.

C-10 of 12

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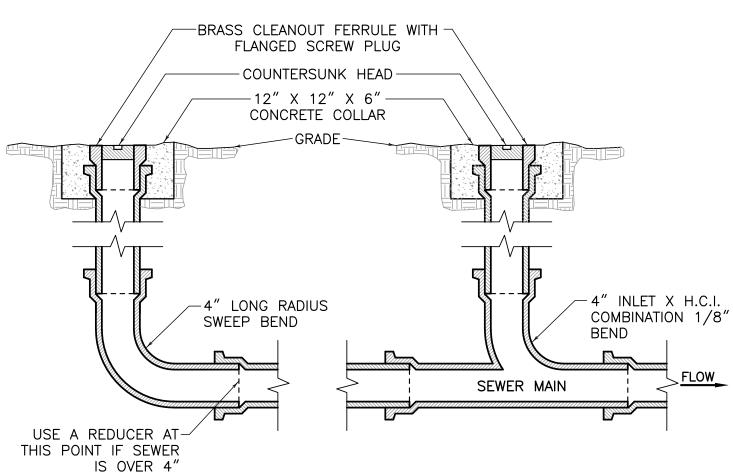


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NOTE:
AS AN OPTION, A 20 FT LENGTH OF D.I.P. MAY BE INSTALLED WITH THE CENTER OF THE D.I.P. CENTERED ON THE POINT OF INTERSECTION WITH THE OTHER PIPE. ENCASEMENT TO BE PLACED ON UNEXCAVATED OR COMPACTED SOIL.

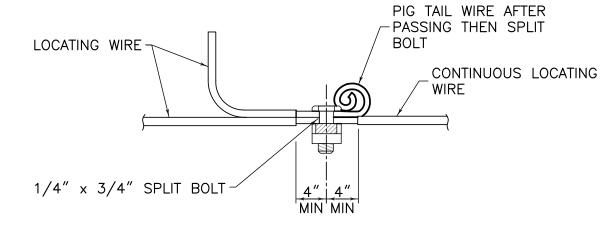
1 ENCASEMENT AT WATER MAIN

NOT TO SCALE

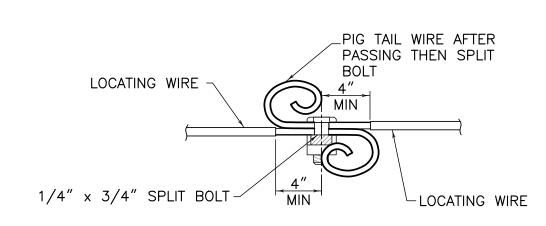


2 CLEANOUT DETAIL

NOT TO SCALE



THREE WAY SPLICE



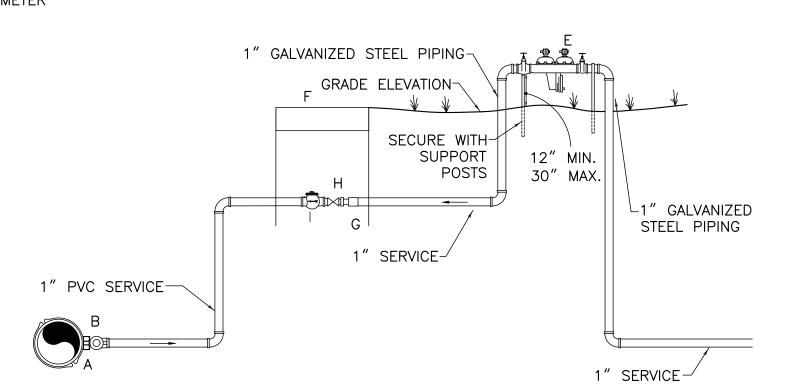
SINGLE SPLICE

3 LOCATING WIRE SPLICE DETAIL

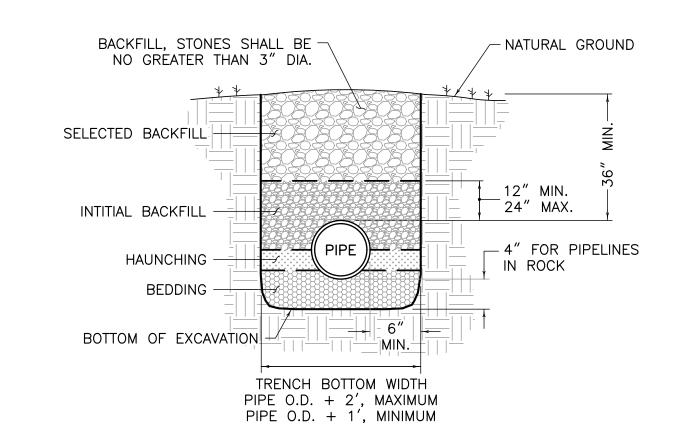
NOT TO SCAEL

- A. 2", 6" SERVICE SADDLE FOR P.V.C. PIPE W/ 1" THREAD TAP: STAINLESS STEEL STRAP ONLY, DUCTILE IRON BODY WITH FUSION BONDED EPOXY COATING FORD #FC202, J.C.M. #403 OR #406 WIDE SADDLE, ROMAC #202 OR SMITH BLAIR #317 ONLY.
- B. 1" BRONZE COMPRESSION CORPORATION STOP: MUELLER #4-15028
- OR H-15023 OR FORD FB-1100.

 C. 1" POLYETHYLENE PIPE, YARDLEY OR EQUAL (ASTM D2737 SDR9
- CLASS 200) WATER SERVICE LINE.
- D. 1" PVC SCH 40 PIPE.
 E. 1" REDUCED PRESSUER BACK FLOW PREVENTOR.
- F. "SUPERFLEXON" OR EQUAL METER BOX & COVER.
- G. 1" X ¾" MALE IRON PIPE ADAPTER (MULER OR EQUAL)
 H. %" BRONZE METER STOP, ¾" TUBING/SWIVEL METER NUT (FORD)
- H. $\frac{\%}{8}$ BRONZE METER



4 1" WATER SERVICE & REDUCED PRESSURE BACK FLOW PREVENTOR
NOT TO SCALE



NOTE:

1. BEDDING AND BACKFILL WITH SELECTED MATERIALS TO BE PLACED AND COMPACTED IN 6" LIFTS, UTILIZING METHODS AND EQUIPMENT APPROVED BY ENGINEER.

2. WHERE BACKFILL IS PLACED BELOW THE WATER LEVEL IN THE TRENCH, THE BACKFILL MATERIAL SHALL BE CAREFULLY AND UNIFORMLY RAMMED AROUND BOTH SIDES OF THE PIPE TO PROPERLY BED AND SUPPORT THE PIPE. NO SPECIFIC DENSITY REQUIRED UNTIL THE FILL HAS REACHED A LEVEL SIX INCHES ABOVE WATER TABLE AT WHICH ELEVATION AND ABOVE ALL BACKFILL SHALL BE COMPACTED

PVC PIPE TRENCHING, BEDDING,
AND BACKFILL DETAIL

AS SPECIFIED.

NOT TO SCALE

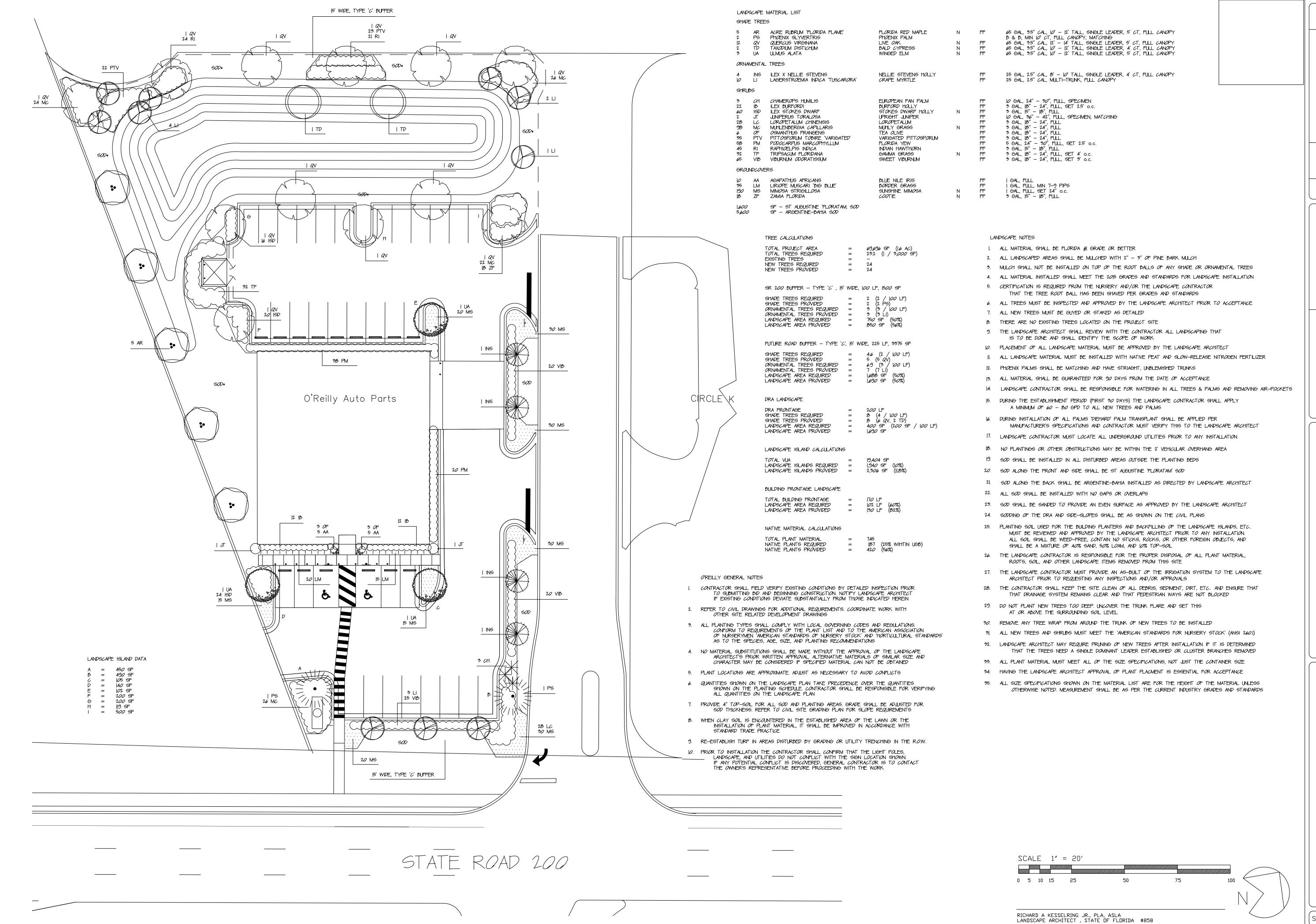
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C-12 of 12

Plotted: 5/23/2018 2:30:03 PM : Stephen Carol

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SCALE: |''| = 2CON DATE: |''| = 2CON DATE

DRAWN BY: |''| = 2CNEW NAME:

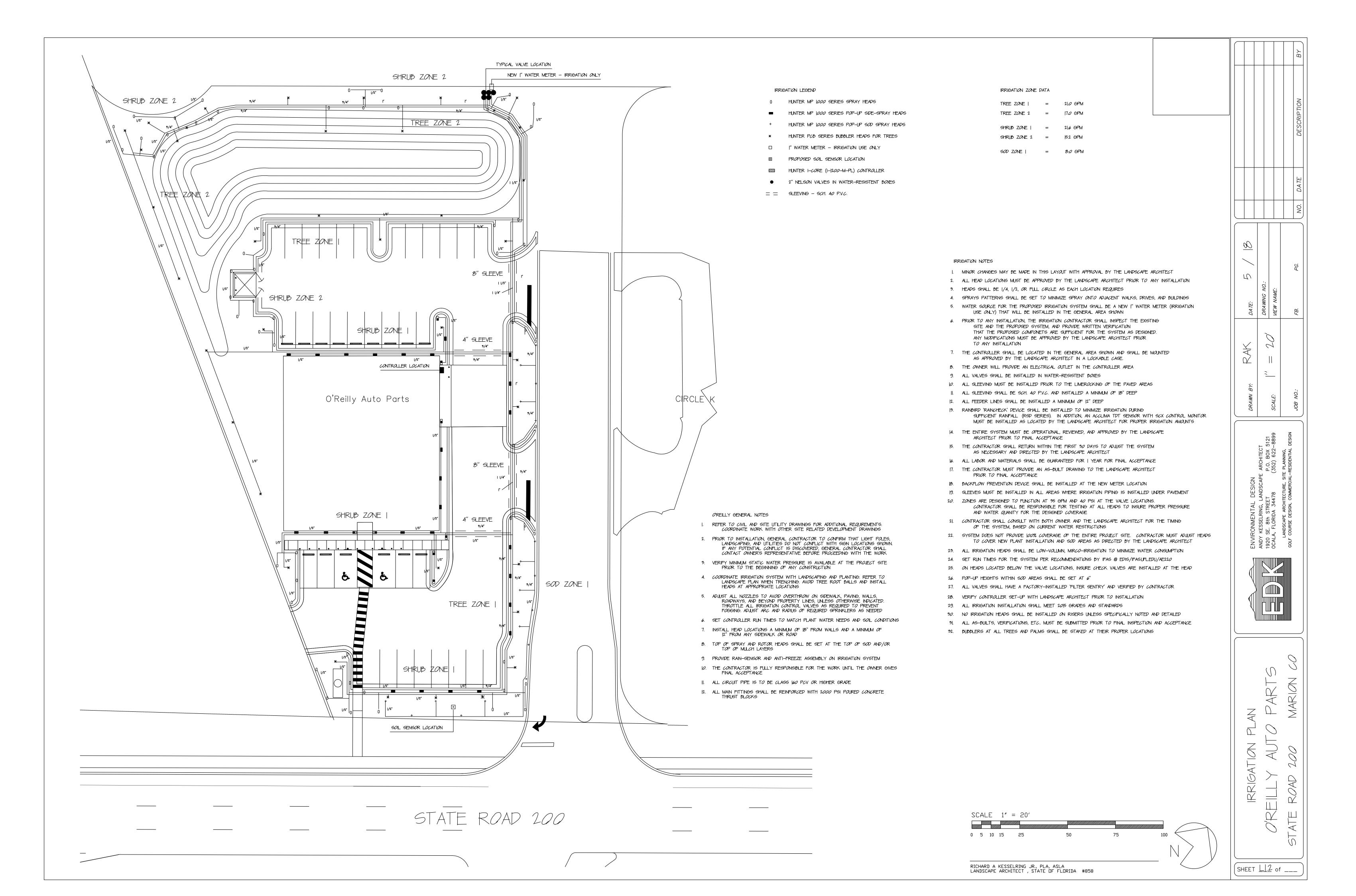
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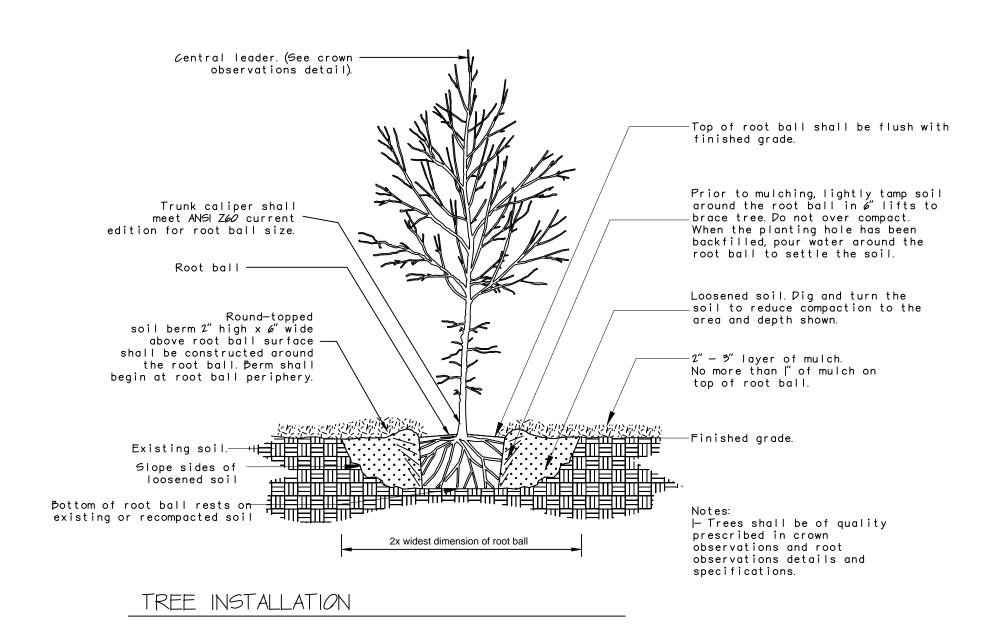
ENVIRONMENTAL DESIGN
ANDY KESSELRING, LANDSCAPE ARCHITECT
1920 SE. 8th STREET
0CALA, FLORIDA 34478
(352) 622-8
LANDSCAPE ARCHITECTURE, SITE PLANNING,

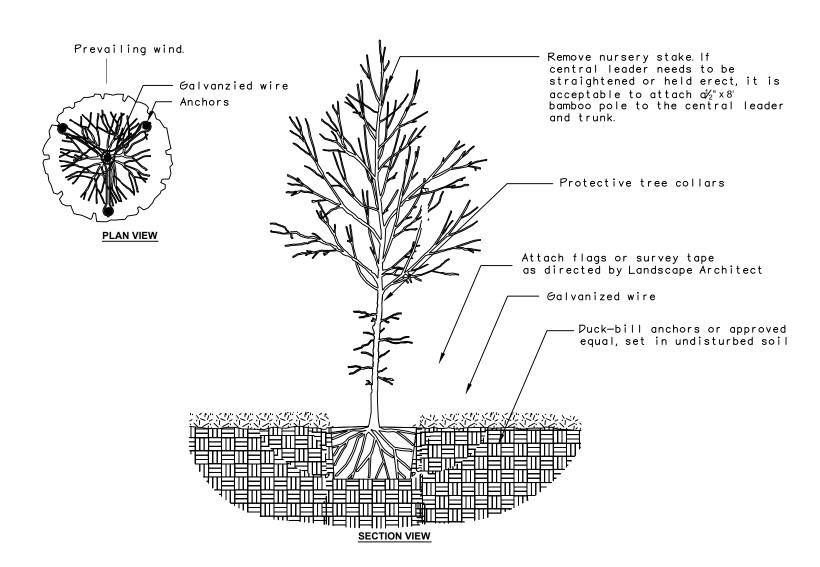


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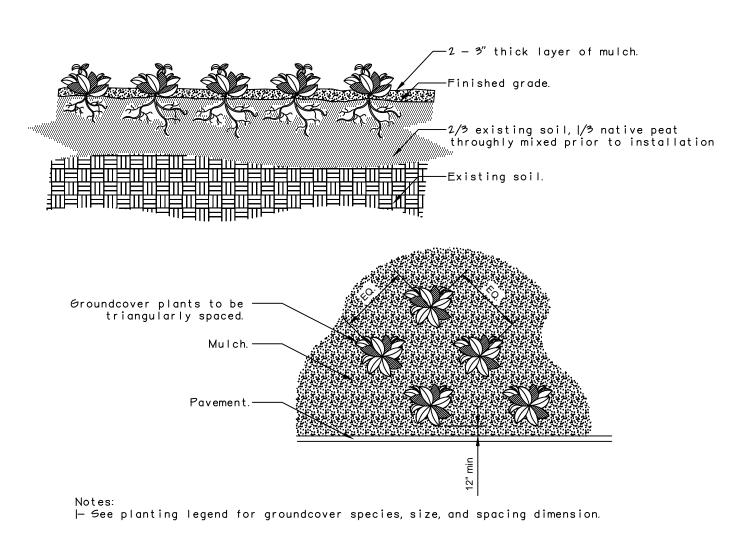
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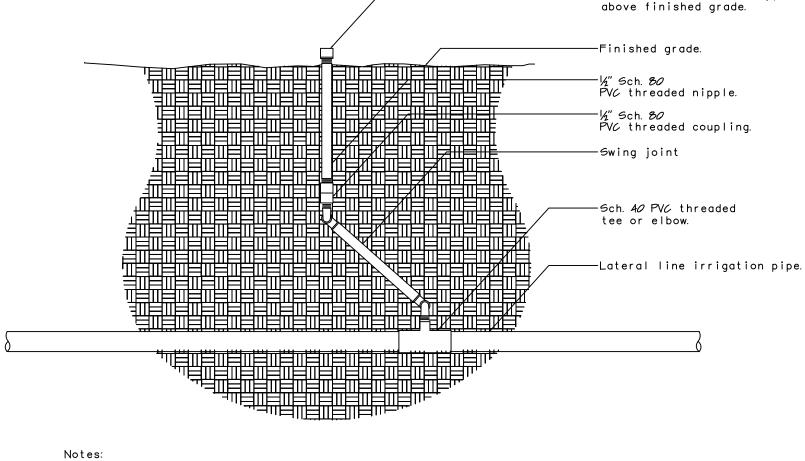




TREE STAKING - TREES < 2" CALIPER



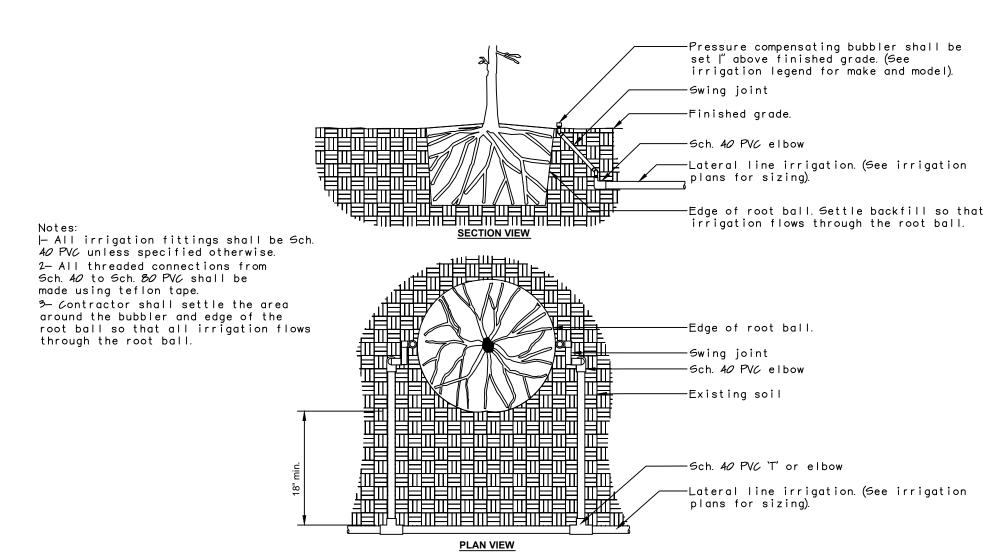




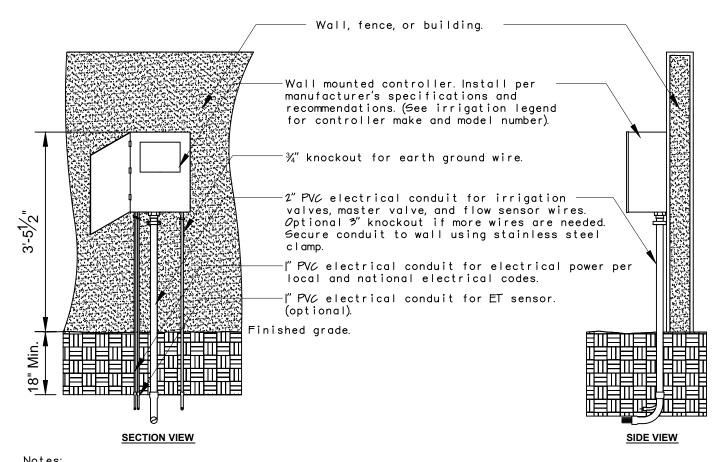
-Bubbler to be one-inch (ľ)

├ See irrigation legend for lateral line size and type. 2- All irrigation fittings shall be Sch. 40 PVC unless specified otherwise. 3— All threaded connections from Sch. 80 to Sch. 40 PVC shall be made using teflon tape. 4 Contractor shall settle the area around the bubbler after installation.

BUBBLER ON RISER

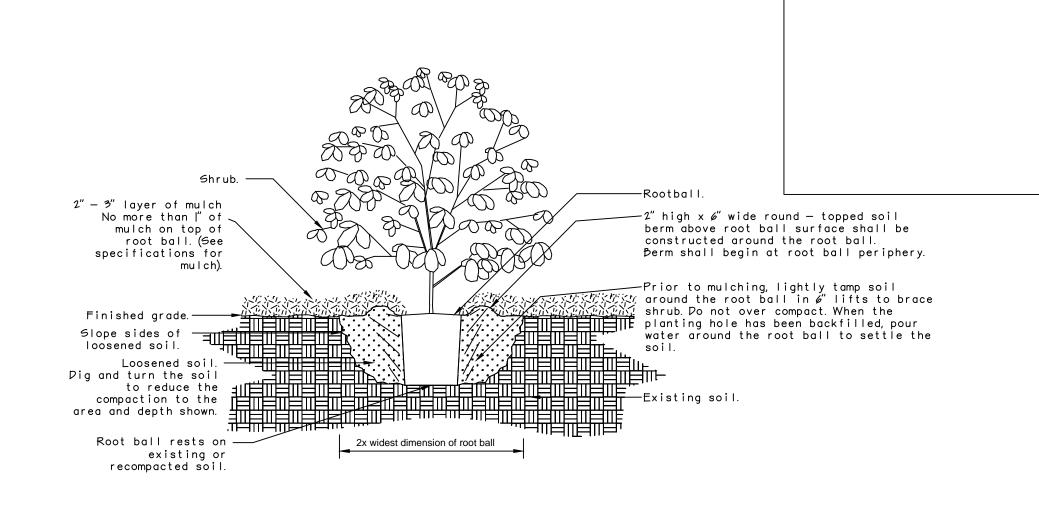


WALL MOUNTED CONTROLLER TREE BUBBLER LAYOUT

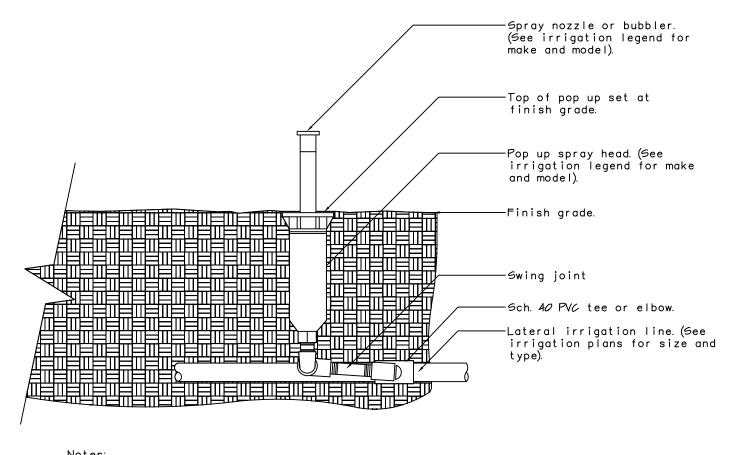


|- \mathcal{L} ommon and controller wire to be bundled using electrical tape at $|\mathcal{O}-\mathcal{O}''|$ on center. 2— Grounding rods shall be located between $\mathcal{B}-)$ " to $|2\rangle$ " away from the controller. Grounding rods shall be \mathcal{B}' in length. Connect the grounding rod to the controller using 6 gauge bare copper wire per manufacturer's specifications.

3— Rain sensor device shall be installed within 90 of the controller, a minimum of 15 high, and out from any overhead obstructions such as building overhangs, trees, or utilities.



SHRUB INSTALLATION



 $|- \phi''|$ pop ups shall be used in turf areas. 2- Contractor shall settle soil around the pop up after installation. 3— All pop up spray heads shall have check valves.

4— All Sch. 40 PVC to Sch. 80 PVC connections shall be made using teflon tape.

POP UP-SPRAY HEAD

1

(SHEET <u>L</u>|.3 of ____