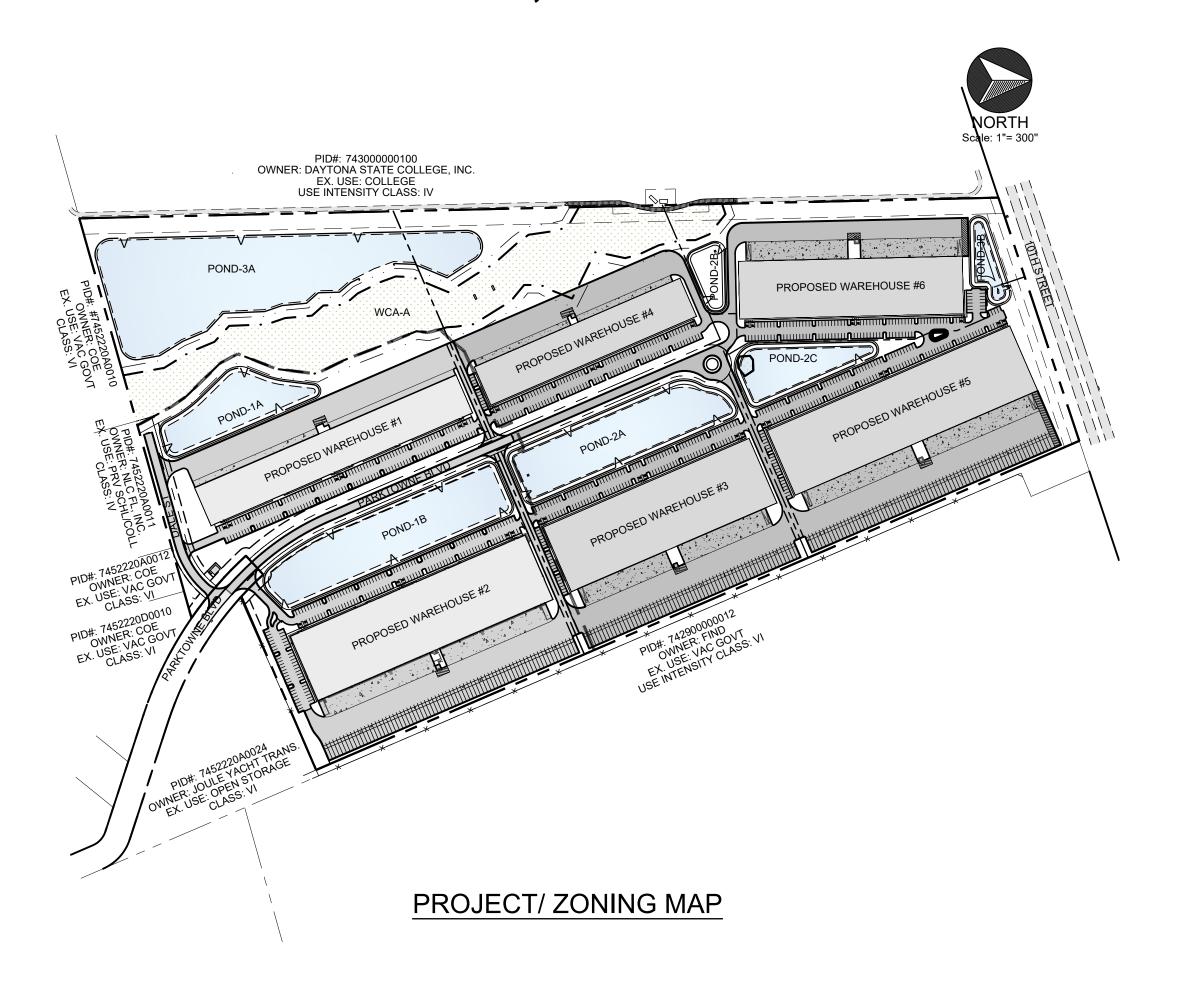
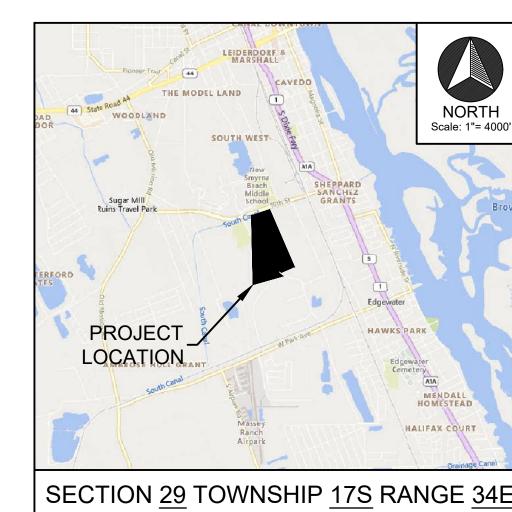
# MASTER DEVELOPMENT PLANS FOR SPACE COAST COMMERCE PARK @ PARKTOWNE

CITY OF EDGEWATER, FL PREPARED FOR:

## ONICX MANAGEMENT GROUP, LLC

5600 MARINER STREET, SUITE 140 TAMPA, FL 33609





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MASTER DEVELOPMENT COE SEWER DETAILS

MASTER DEVELOPMENT COE SEWER DETAILS

MASTER DEVELOPMENT COE WATER DETAILS

## **CIVIL ENGINEER:**



4206 NATIONAL GUARD DRIVE, #1 PLANT CITY, FL 33563 Phone (813) 857-7024 Web www.oxboweng.com FL Registry 36174 FL L22000260419

## SURVEYOR:

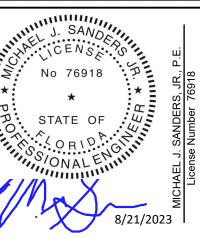
ASSOCIATED LAND SURVEYING & MAPPING, INC. 1681 POWELL ST. LONGWOOD, FLORIDA 32750 Phone (407) 869-5002 Email ALSM@ALSM.NET CERTIFICATE OF AUTHORIZATION No 6787

#### LANDSCAPE ARCHITECT:

STURCH DESIGN GROUP 11411 CYPRESS PARK ST. TAMPA, FL 33624

Phone (813) 610-4525 Email sturchdesign@gmail.com FL LA 00001295

		kesubmittal						
	Description	2023-06-08 Preliminary Plat Resubmittal						
Revision	Date	2023-06-08						
	No.	_						
No 76918								



This item has been digitally signed and sealed by Michael J. Sanders, Jr. P.E. on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified or any electronic copies

- 1	Project No.:	1001-002
١	Issued:	AUG 21, 2023
١	Drawn By:	ECC
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١	Scale:	1" = 300'
- 1	Sheet Title	

**COVER SHEET** 

C-01

#### STATISTICAL TREE SURVEY NOTES

- A STATISTICAL TREE SURVEY WAS PREPARED IN ACCORDANCE WITH CITY OF EDGEWATER LDC (21-55.07)(C.) THE SURVEY COMPLIES WITH ACCEPTABLE FORESTRY PRACTICES UTILIZING "I-TREE ECO" PLOT METHODOLOGY DEVELOPED IN CONJUNCTION WITH THE USDA FORESTRY SERVICE SUPPORTED BY THE FLORIDA URBAN FORESTRY COUNCIL.
- 2. THE SUBJECT SITE OF APPROXIMATELY 83.35 ACRES IS HOMOGENOUS IN TREE CANOPY COVERAGE THEREFORE (10) RANDOM 0.1 ACRES CIRCULAR PLOTS WITH RADIUS OF 37.2 FEET WITHIN THE PROJECT SITE WERE SURVEYED TO ESTIMATE TREE INVENTORY FOR THE MASTER DEVELOPMENT.
- 3. PROVIDED PLOT DATA IS BASED UPON THE SPECIFIC PURPOSE TREE SURVEY PREPARED BY ALSM DATED (2/25/23).

STASTICAL TREE SURVEY DATA - PLOT 1						
Plot	ID	Common Name	Botanical Name	DBH (in)	COE Designation	
1	10270	Palm	Arecaceae	12	Non-Mitigated	
1	10271	Palm	Arecaceae	11	Non-Mitigated	
1	10272	Palm	Arecaceae	10	Non-Mitigated	
1	10273	Palm	Arecaceae	13	Non-Mitigated	
1	10274	Palm	Arecaceae	13	Non-Mitigated	
1	10275	Palm	Arecaceae	13	Non-Mitigated	
1	10276	Oak	Quercus Spp.	36	Historic	
1	10277	Oak	Quercus Spp.	14	Specimen	
1	10278	Palm	Arecaceae	14	Non-Mitigated	
1	10279	Palm	Arecaceae	15	Non-Mitigated	
1	10280	Palm	Arecaceae	11	Non-Mitigated	
1	10281	Palm	Arecaceae	12	Non-Mitigated	
1	10282	Palm	Arecaceae	12	Non-Mitigated	
1	10283	Oak	Quercus Spp.	17	Specimen	
1	10284	Palm	Arecaceae	9	Non-Mitigated	
1	10285	Palm	Arecaceae	13	Non-Mitigated	
1	10286	Palm	Arecaceae	10	Non-Mitigated	
1	10287	Palm	Arecaceae	12	Non-Mitigated	
1	10288	Palm	Arecaceae	9	Non-Mitigated	
1	10289	Palm	Arecaceae	8	Non-Mitigated	
1	10290	Palm	Arecaceae	13	Non-Mitigated	
1	10291	Palm	Arecaceae	11	Non-Mitigated	
1	10292	Oak	Quercus Spp.	12	Specimen	
1	10293	Oak	Quercus Spp.	14	Specimen	
1	10294	Palm	Arecaceae	10	Non-Mitigated	
1	10295	Oak	Quercus Spp.	23	Specimen	
1	10296	Palm	Arecaceae	10	Non-Mitigated	
1	10297	Palm	Arecaceae	9	Non-Mitigated	
1	10298	Palm	Arecaceae	12	Non-Mitigated	
1	10299	Palm	Arecaceae	12	Non-Mitigated	
1	10300	Palm	Arecaceae	9	Non-Mitigated	
1	10301	Palm	Arecaceae	14	Non-Mitigated	
1	10302	Palm	Arecaceae	12	Non-Mitigated	
1	10303	Palm	Arecaceae	13	Non-Mitigated	
1	10304	Oak	Quercus Spp.	17	Specimen	

Common Name	Botanical Name		
	Botanicai Name	DBH (in)	COE Designation
Oak	Quercus Spp.	41	Historic
Cherry Laural	Prunus Caroliniana	7	Non-Mitigated
Oak	Quercus Spp.	19	Specimen
Palm	Arecaceae	13	Non-Mitigated
Oak	Quercus Spp.	20	Specimen
Palm	Arecaceae	9	Non-Mitigated
Oak	Quercus Spp.	28	Specimen
Palm	Arecaceae	12	Non-Mitigated
Palm	Arecaceae	14	Non-Mitigated
	Cherry Laural Oak Palm Oak Palm Oak Palm Oak Palm	Cherry Laural Prunus Caroliniana Oak Quercus Spp. Palm Arecaceae Oak Quercus Spp. Palm Arecaceae Oak Quercus Spp. Palm Arecaceae Arecaceae Palm Arecaceae	Cherry Laural Prunus Caroliniana 7  Oak Quercus Spp. 19  Palm Arecaceae 13  Oak Quercus Spp. 20  Palm Arecaceae 9  Oak Quercus Spp. 28  Palm Arecaceae 12

STASTICAL TREE SURVEY DATA - PLOT 3							
Plot	ID	Common Name	Botanical Name	DBH (in)	COE Designation		
3	1640	Oak	Quercus Spp.	15	Specimen		
3	1641	Oak	Quercus Spp.	12	Specimen		
3	1642	Oak	Quercus Spp.	10	Non-Mitigated		
3	1643	Oak	Quercus Spp.	19	Specimen		
3	1644	Oak	Quercus Spp.	12	Specimen		
3	1645	Oak	Quercus Spp.	12	Specimen		
3	1646	Oak	Quercus Spp.	13	Specimen		
3	1647	Oak	Quercus Spp.	11	Non-Mitigated		
3	1648	Oak	Quercus Spp.	7	Non-Mitigated		
3	1649	Oak	Quercus Spp.	7	Non-Mitigated		
3	1650	Oak	Quercus Spp.	6	Non-Mitigated		
3	1651	Oak	Quercus Spp.	9	Non-Mitigated		
3	1652	Oak	Quercus Spp.	18	Specimen		
3	1653	Oak	Quercus Spp.	9	Non-Mitigated		
3	1654	Oak	Quercus Spp.	8	Non-Mitigated		
3	1655	Oak	Quercus Spp.	6	Non-Mitigated		
3	1656	Oak	Quercus Spp.	7	Non-Mitigated		
3	1657	Oak	Quercus Spp.	6	Non-Mitigated		
3	1658	Oak	Quercus Spp.	9	Non-Mitigated		
3	1659	Oak	Quercus Spp.	7	Non-Mitigated		
3	1660	Oak	Quercus Spp.	9	Non-Mitigated		
3	1661	Oak	Quercus Spp.	9	Non-Mitigated		
3	1662	Pine	Pinus	14	Non-Mitigated		

STASTICAL TREE SURVEY DATA - PLOT 4							
Plot	ID	Common Name	Botanical Name	DBH (in)	COE Designation		
4	1586	Palm	Arecaceae	8	Non-Mitigated		
4	1587	Palm	Arecaceae	8	Non-Mitigated		
4	1588	Palm	Arecaceae	12	Non-Mitigated		
4	1589	Palm	Arecaceae	10	Non-Mitigated		
4	1590	Palm	Arecaceae	13	Non-Mitigated		
4	1591	Palm	Arecaceae	10	Non-Mitigated		
4	1592	Palm	Arecaceae	14	Non-Mitigated		
4	1593	Cherry	Prunus	10	Non-Mitigated		
4	1594	Cherry	Prunus	9	Non-Mitigated		
4	1595	Oak	Quercus Spp.	29	Specimen		
4	1596	Oak	Quercus Spp.	24	Specimen		
4	1597	Palm	Arecaceae	10	Non-Mitigated		
4	1598	Palm	Arecaceae	10	Non-Mitigated		
4	1599	Palm	Arecaceae	10	Non-Mitigated		
4	1600	Oak	Quercus Spp.	7	Non-Mitigated		
4	1601	Oak	Quercus Spp.	18	Specimen		
4	1602	Oak	Quercus Spp.	15	Specimen		
4	1603	Palm	Arecaceae	12	Non-Mitigated		
4	1604	Palm	Arecaceae	9	Non-Mitigated		
4	1605	Palm	Arecaceae	11	Non-Mitigated		
4	1606	Palm	Arecaceae	11	Non-Mitigated		
4	1607	Palm	Arecaceae	8	Non-Mitigated		
4	1608	Palm	Arecaceae	11	Non-Mitigated		
4	1609	Palm	Arecaceae	10	Non-Mitigated		
4	1610	Oak	Quercus Spp.	12	Specimen		
4	1611	Oak	Quercus Spp.	10	Non-Mitigated		
4	1612	Palm	Arecaceae	9	Non-Mitigated		
4	1613	Oak	Quercus Spp.	17	Specimen		
4	1614	Palm	Arecaceae	9	Non-Mitigated		
4	1615	Oak	Quercus Spp.	12	Specimen		
4	1616	Palm	Arecaceae	9	Non-Mitigated		
4	1617	Palm	Arecaceae	12	Non-Mitigated		
4	1618	Palm	Arecaceae	9	Non-Mitigated		
4	1619	Palm	Arecaceae	9	Non-Mitigated		
4	1620	Palm		12	Non-Mitigated		
	1621	Palm	Arecaceae				
4			Arecaceae	6 8	Non-Mitigated		
4	1622	Palm	Arecaceae		Non-Mitigated		
4	1623	Oak	Quercus Spp.	20	Specimen		
4	1624	Palm	Arecaceae	9	Non-Mitigated		
4	1625	Palm	Arecaceae	10	Non-Mitigated		
4	1626	Palm	Arecaceae	9	Non-Mitigated		
4	1627	Palm	Arecaceae	8	Non-Mitigated		
4	1628	Palm	Arecaceae	8	Non-Mitigated		
4	1629	Palm	Arecaceae	12	Non-Mitigated		
4	1630	Palm	Arecaceae	12	Non-Mitigated		
4	1631	Palm	Arecaceae	12	Non-Mitigated		
4	1632	Cherry	Prunus	6	Non-Mitigated		

STASTICAL TREE SURVEY DATA - PLOT 5							
Plot	ID	Common Name	Botanical Name	DBH (in)	COE Designation		
5	1698	Oak	Quercus Spp.	9	Non-Mitigated		
5	1699	Oak	Quercus Spp.	7	Non-Mitigated		
5	1700	Oak	Quercus Spp.	9	Non-Mitigated		
5	1701	Palm	Arecaceae	11	Non-Mitigated		
5	1702	Palm	Arecaceae	12	Non-Mitigated		
5	1703	Palm	Arecaceae	14	Non-Mitigated		
5	1704	Palm	Arecaceae	11	Non-Mitigated		
5	1705	Palm	Arecaceae	12	Non-Mitigated		
5	1706	Pine	Pinus	12	Non-Mitigated		
5	1707	Palm	Arecaceae	10	Non-Mitigated		
5	1708	Palm	Arecaceae	12	Non-Mitigated		
5	1709	Palm	Arecaceae	8	Non-Mitigated		
5	1710	Palm	Arecaceae	9	Non-Mitigated		
5	1711	Palm	Arecaceae	9	Non-Mitigated		
5	1712	Oak	Quercus Spp.	24	Specimen		
5	1713	Oak	Quercus Spp.	13	Specimen		
5	1714	Oak	Quercus Spp.	16	Specimen		
5	1715	Oak	Quercus Spp.	21	Specimen		
5	1716	Oak	Quercus Spp.	10	Non-Mitigated		

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6	1665	Oak	Quercus Spp.	9	Non-Mitigated
6	1666	Oak	Quercus Spp.	6	Non-Mitigated
6	1667	Oak	Quercus Spp.	9	Non-Mitigated
6	1668	Oak	Quercus Spp.	12	Specimen
6	1669	Oak	Quercus Spp.	6	Non-Mitigated
6	1670	Oak	Quercus Spp.	6	Non-Mitigated
6	1671	Oak	Quercus Spp.	10	Non-Mitigated
6	1672	Oak	Quercus Spp.	11	Non-Mitigated
6	1673	Oak	Quercus Spp.	6	Non-Mitigated
6	1674	Palm	Arecaceae	9	Non-Mitigated
6	1675	Palm	Arecaceae	11	Non-Mitigated
6	1676	Palm	Arecaceae	12	Non-Mitigated
6	1677	Palm	Arecaceae	10	Non-Mitigated
6	1678	Palm	Arecaceae	12	Non-Mitigated
6	1679	Palm	Arecaceae	8	Non-Mitigated
6	1680	Palm	Arecaceae	11	Non-Mitigated
6	1681	Palm	Arecaceae	9	Non-Mitigated
6	1682	Palm	Arecaceae	11	Non-Mitigated
6	1683	Palm	Arecaceae	11	Non-Mitigated
6	1684	Palm	Arecaceae	8	Non-Mitigated
6	1685	Oak	Quercus Spp.	7	Non-Mitigated
6	1686	Oak	Quercus Spp.	9	Non-Mitigated
6	1687	Oak	Quercus Spp.	8	Non-Mitigated
6	1688	Oak	Quercus Spp.	6	Non-Mitigated
6	1689	Oak	Quercus Spp.	12	Specimen
6	1690	Oak	Quercus Spp.	8	Non-Mitigated
6	1691	Oak	Quercus Spp.	6	Non-Mitigated
6	1692	Oak	Quercus Spp.	6	Non-Mitigated
6	1693	Oak	Quercus Spp.	8	Non-Mitigated
6	1694	Oak	Quercus Spp.	10	Non-Mitigated
6	1695	Oak	Quercus Spp.	7	Non-Mitigated
6	1696	Oak	Quercus Spp.	15	Specimen
		STASTICAL TREE	SURVEY DATA - PLO	)T 7	
Plot	ID	Common Name	Botanical Name	DBH (in)	COE Designation
7	1291	Pine	Pinus	15	Non-Mitigated

STASTICAL TREE SURVEY DATA - PLOT 6

Plot

1664

ID Common Name Botanical Name DBH (in) COE Designation

18

Quercus Spp.

7	1291	Pine	Pinus	15	Non-Mitigated
7	1292	Pine	Pinus	10	Non-Mitigated
7	1293	Palm	Arecaceae	9	Non-Mitigated
7	1294	Oak	Quercus Spp.	6	Non-Mitigated
7	1295	Oak	Quercus Spp.	11	Non-Mitigated
7	1296	Palm	Arecaceae	9	Non-Mitigated
7	1297	Palm	Arecaceae	9	Non-Mitigated
7	1298	Palm	Arecaceae	11	Non-Mitigated
7	1299	Palm	Arecaceae	9	Non-Mitigated
7	1300	Palm	Arecaceae	12	Non-Mitigated
7	1301	Palm	Arecaceae	12	Non-Mitigated
7	1302	Oak	Quercus Spp.	8	Non-Mitigated
7	1303	Palm	Arecaceae	8	Non-Mitigated
7	1304	Palm	Arecaceae	10	Non-Mitigated
7	1305	Palm	Arecaceae	11	Non-Mitigated
7	1306	Oak	Quercus Spp.	6	Non-Mitigated
7	1307	Palm	Arecaceae	12	Non-Mitigated
7	1308	Oak	Quercus Spp.	9	Non-Mitigated
7	1309	Palm	Arecaceae	10	Non-Mitigated
7	1310	Palm	Arecaceae	10	Non-Mitigated
7	1311	Palm	Arecaceae	8	Non-Mitigated
7	1312	Palm	Arecaceae	11	Non-Mitigated
7	1313	Oak	Quercus Spp.	26	Specimen
7	1314	Oak	Quercus Spp.	10	Non-Mitigated
7	1315	Palm	Arecaceae	10	Non-Mitigated
7	1316	Palm	Arecaceae	9	Non-Mitigated
7	1317	Palm	Arecaceae	8	Non-Mitigated
7	1318	Palm	Arecaceae	8	Non-Mitigated
7	1319	Oak	Quercus Spp.	6	Non-Mitigated
7	1320	Oak	Quercus Spp.	7	Non-Mitigated
7	1321	Oak	Quercus Spp.	13	Specimen

	STASTICAL TREE SURVEY DATA - PLOT 8						
Plot	ID	Common Name	Botanical Name	DBH (in)	COE Designation		
8	1223	Oak	Quercus Spp.	6	Non-Mitigated		
8	1224	Oak	Quercus Spp.	6	Non-Mitigated		
8	1225	Oak	Quercus Spp.	10	Non-Mitigated		
8	1226	Oak	Quercus Spp.	12	Specimen		
8	1227	Oak	Quercus Spp.	7	Non-Mitigated		
8	1228	Oak	Quercus Spp.	7	Non-Mitigated		
8	1229	Oak	Quercus Spp.	6	Non-Mitigated		
8	1230	Oak	Quercus Spp.	7	Non-Mitigated		
8	1231	Oak	Quercus Spp.	6	Non-Mitigated		
8	1232	Oak	Quercus Spp.	6	Non-Mitigated		
8	1233	Oak	Quercus Spp.	6	Non-Mitigated		
8	1234	Oak	Quercus Spp.	7	Non-Mitigated		
8	1235	Oak	Quercus Spp.	6	Non-Mitigated		
8	1236	Oak	Quercus Spp.	7	Non-Mitigated		

Plot	ID	Common Name	<b>Botanical Name</b>	DBH (in)	COE Designation
9	1239	Oak	Quercus Spp.	16	Specimen
9	1240	Pine	Pinus	12	Non-Mitigated
9	1241	Pine	Pinus	12	Non-Mitigated
9	1242	Palm	Arecaceae	10	Non-Mitigated
9	1243	Palm	Arecaceae	13	Non-Mitigated
9	1244	Palm	Arecaceae	14	Non-Mitigated
9	1245	Palm	Arecaceae	9	Non-Mitigated
9	1246	Palm	Arecaceae	10	Non-Mitigated
9	1247	Palm	Arecaceae	13	Non-Mitigated
9	1248	Palm	Arecaceae	10	Non-Mitigated
9	1249	Palm	Arecaceae	10	Non-Mitigated
9	1250	Pine	Pinus	10	Non-Mitigated
9	1251	Oak	Quercus Spp.	8	Non-Mitigated
9	1252	Oak	Quercus Spp.	7	Non-Mitigated
9	1253	Oak	Quercus Spp.	13	Specimen
9	1254	Palm	Arecaceae	11	Non-Mitigated
9	1255	Oak	Quercus Spp.	7	Non-Mitigated
9	1256	Palm	Arecaceae	11	Non-Mitigated
9	1257	Oak	Quercus Spp.	20	Specimen
9	1258	Palm	Arecaceae	10	Non-Mitigated
9	1259	Oak	Quercus Spp.	6	Non-Mitigated
9	1260	Palm	Arecaceae	10	Non-Mitigated
9	1261	Palm	Arecaceae	8	Non-Mitigated
9	1262	Palm	Arecaceae	12	Non-Mitigated
9	1263	Palm	Arecaceae	11	Non-Mitigated
9	1264	Palm	Arecaceae	12	Non-Mitigated
9	1265	Oak	Quercus Spp.	9	Non-Mitigated
9	1266	Palm	Arecaceae	8	Non-Mitigated
9	1267	Pine	Pinus	10	Non-Mitigated
9	1268	Palm	Arecaceae	9	Non-Mitigated
9	1269	Pine	Pinus	12	Non-Mitigated
9	1270	Palm	Arecaceae	10	Non-Mitigated
9	1271	Oak	Quercus Spp.	9	Non-Mitigated
9	1272	Palm	Arecaceae	8	Non-Mitigated
9	1273	Palm	Arecaceae	8	Non-Mitigated
9	1274	Palm	Arecaceae	11	Non-Mitigated
9	1275	Oak	Quercus Spp.	11	Non-Mitigated
9	1276	Palm	Arecaceae	10	Non-Mitigated
9	1277	Palm	Arecaceae	13	Non-Mitigated
9	1278	Palm	Arecaceae	10	Non-Mitigated
9	1279	Palm	Arecaceae	10	Non-Mitigated
9	1280	Palm	Arecaceae	11	Non-Mitigated
9	1281	Palm	Arecaceae	11	Non-Mitigated
9	1282	Palm	Arecaceae	11	Non-Mitigated
9	1283	Palm	Arecaceae	8	Non-Mitigated
9	1284	Palm	Arecaceae	11	Non-Mitigated
9	1285	Palm	Arecaceae	9	Non-Mitigated
9	1288	Palm	Arecaceae	10	Non-Mitigated
	•	1			
		CTACTICAL TDEE	SURVEY DATA - PLO	T 10	

STASTICAL TREE SURVEY DATA - PLOT 9

STASTICAL TREE SURVEY DATA - PLOT 10							
Plot	ID	Common Name	Botanical Name	DBH (in)	COE Designation		
10	1205	Oak	Quercus Spp.	12	Specimen		
10	1206	Oak	Quercus Spp.	7	Non-Mitigated		
10	1207	Oak	Quercus Spp.	10	Non-Mitigated		
10	1208	Oak	Quercus Spp.	7	Non-Mitigated		
10	1209	Oak	Quercus Spp.	7	Non-Mitigated		
10	1210	Oak	Quercus Spp.	9	Non-Mitigated		
10	1211	Oak	Quercus Spp.	8	Non-Mitigated		
10	1212	Oak	Quercus Spp.	9	Non-Mitigated		
10	1213	Oak	Quercus Spp.	6	Non-Mitigated		
10	1214	Oak	Quercus Spp.	6	Non-Mitigated		
10	1215	Oak	Quercus Spp.	7	Non-Mitigated		
10	1216	Oak	Quercus Spp.	6	Non-Mitigated		
10	1217	Oak	Quercus Spp.	9	Non-Mitigated		
10	1218	Oak	Quercus Spp.	7	Non-Mitigated		
10	1219	Oak	Quercus Spp.	6	Non-Mitigated		
10	1220	Oak	Quercus Spp.	6	Non-Mitigated		

### HISTORIC & SPECIMEN TREE SUMMARY TABLE

STATIS	STICAL TREE SURVEY SUMM	IARY	
S	ite & Tree Survey Plot Data		
Master Development Project Area	83.35		
Tree Survey Plot Area (Ac):	0.1		
No. of Tree Survey Plots:		10	
Total Tree Quantity 8	k DBH Summary for All Tree	Survey Plots (1 Ac)	
Designation	Quantity	Total Inches	
Historic	2	77	
Specimen	39	655	
Non-Mitigated	234	2,224	
Total	275	2,956	
	Tree Quantity Within Prope	erty (83.35 Ac)	
Designation	Quantity	Total Inches	
Historic	167	6,418	
Specimen	3,251	54,595	
Non-Mitigated	19,504	185,371	
Total	22,922	246,384	

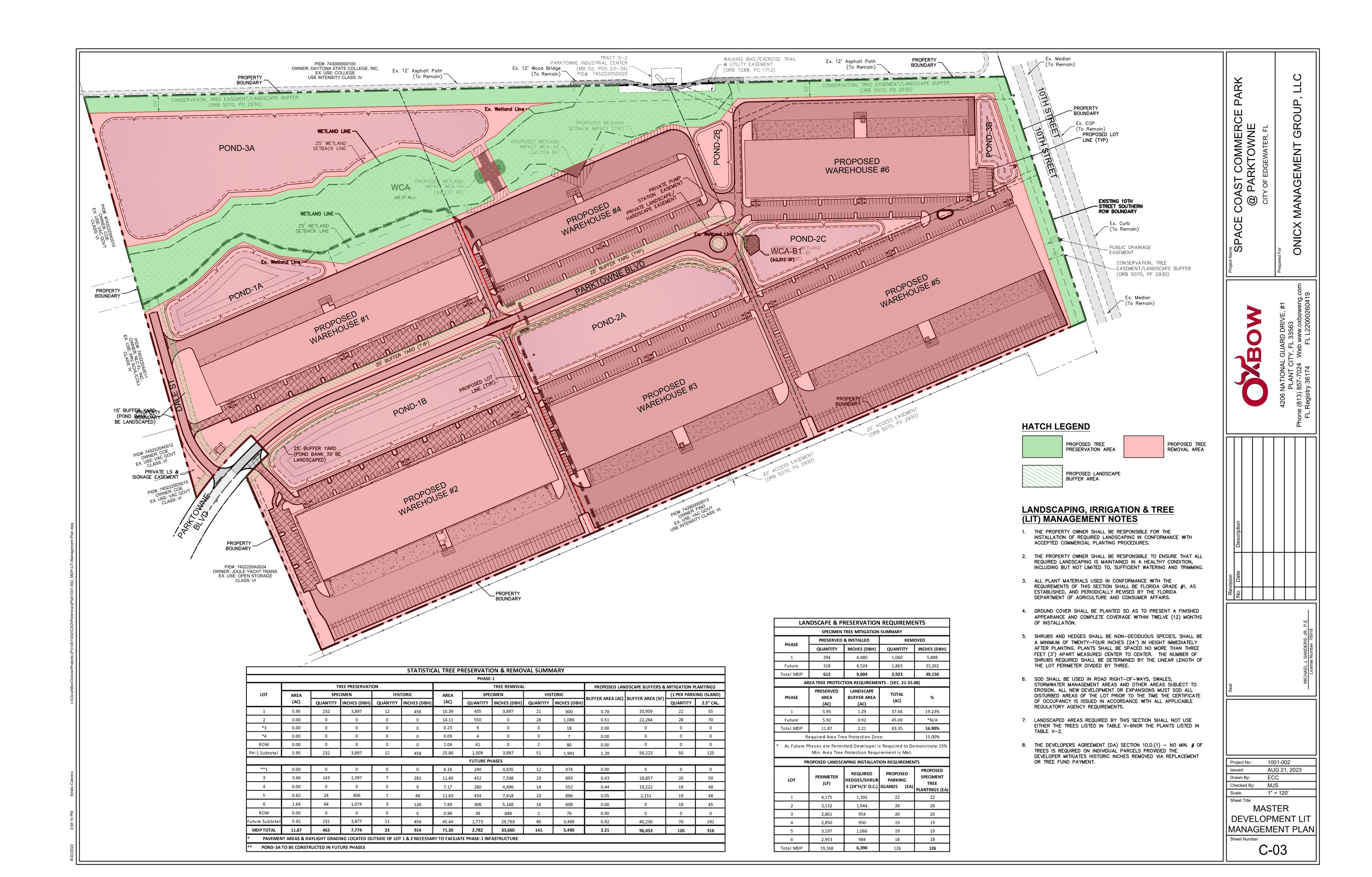
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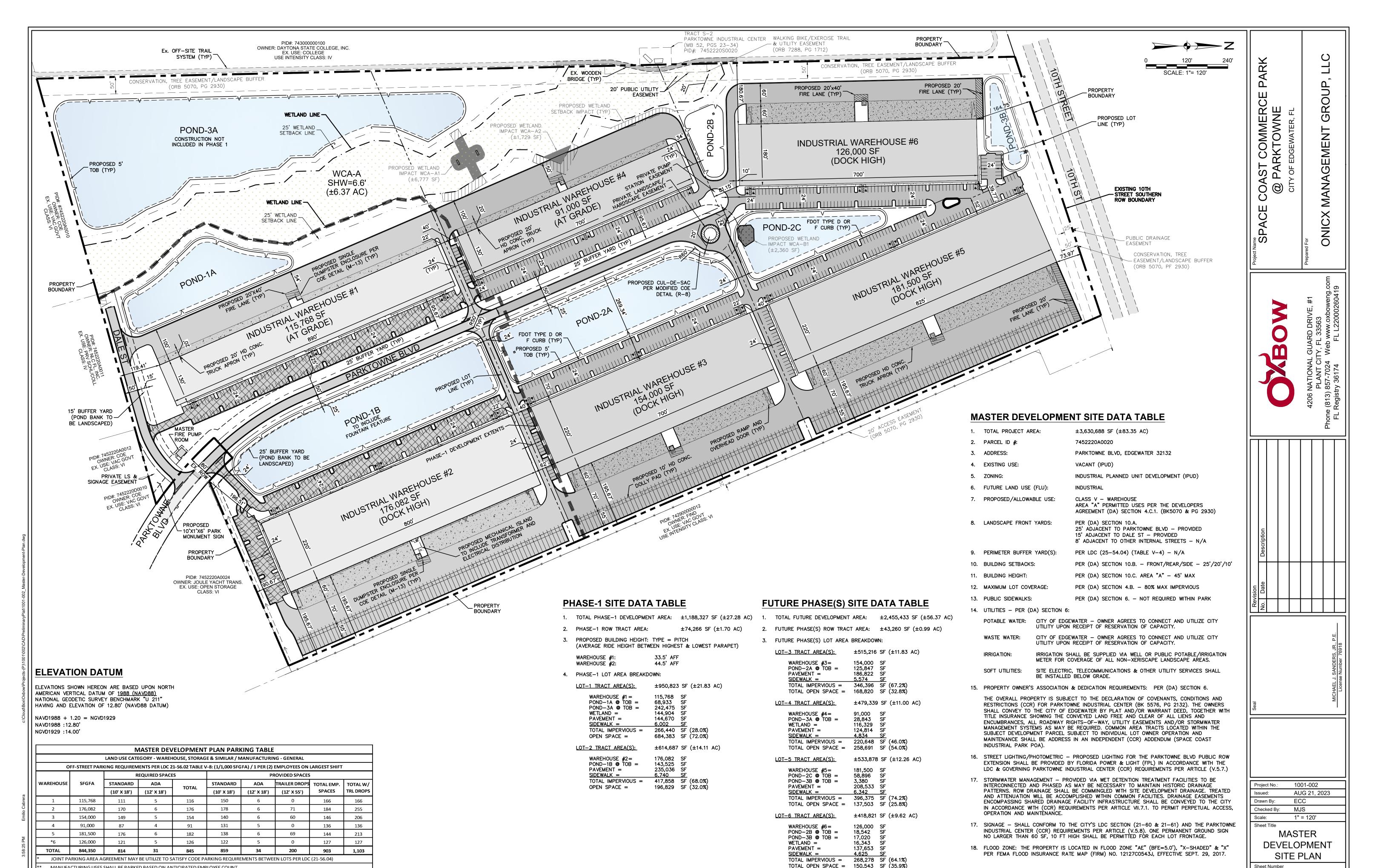
@ PARKTOWNE

CITY OF EDGEWATER, FL

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| Scale: 1" = N/A |
| Sheet Title MASTER DEV. STATISTICAL

TREE SURVEY C-02

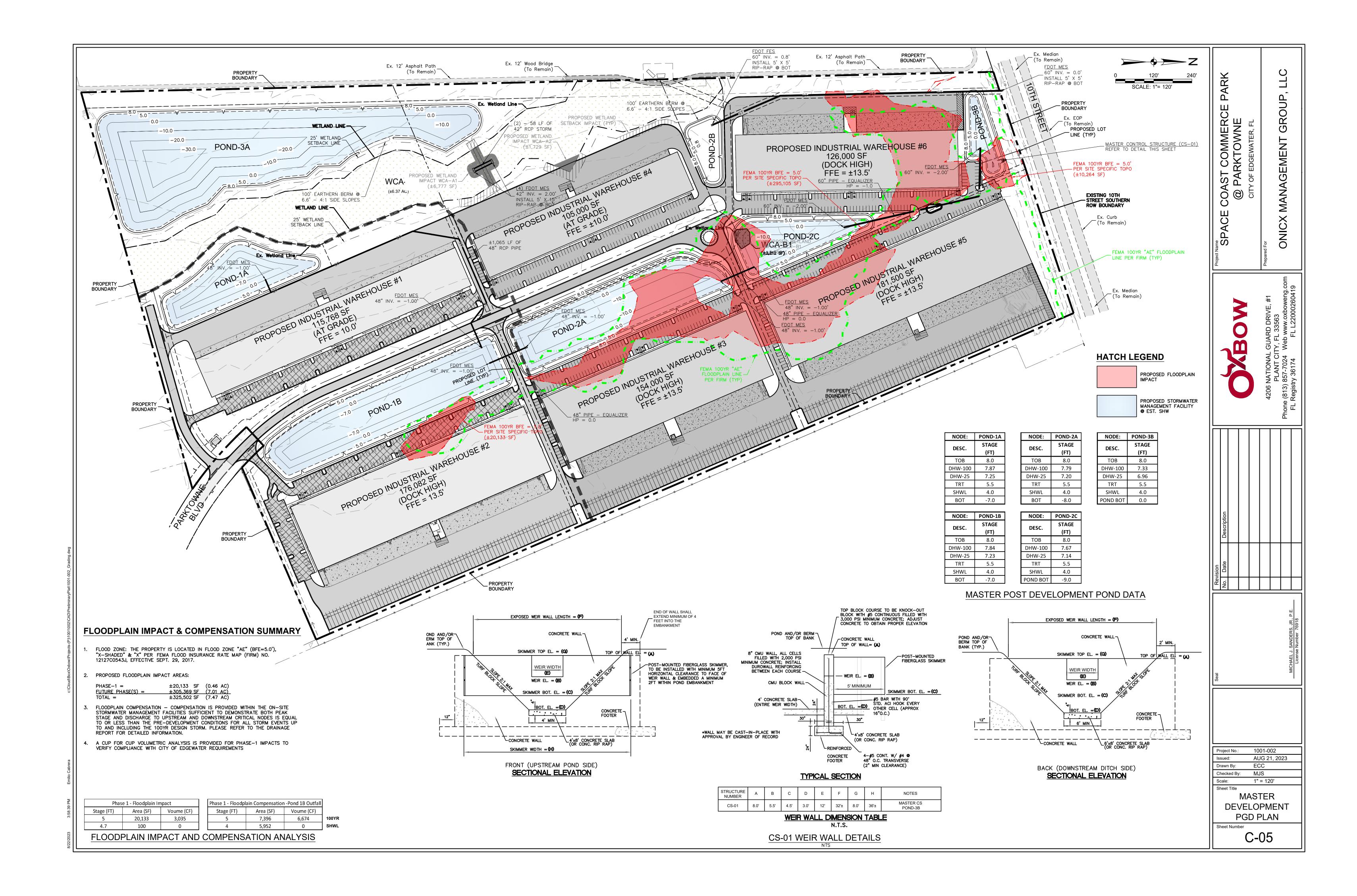


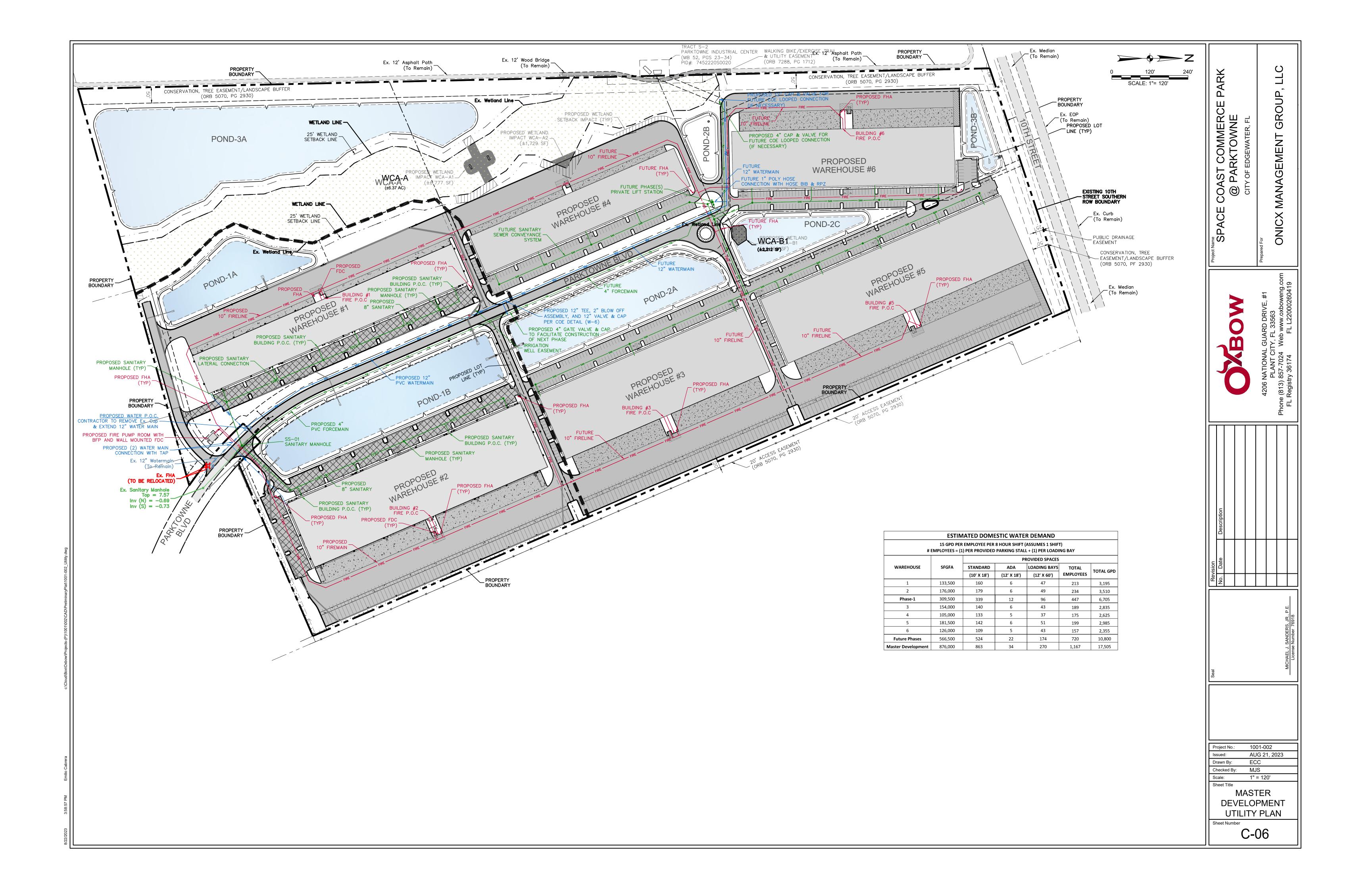


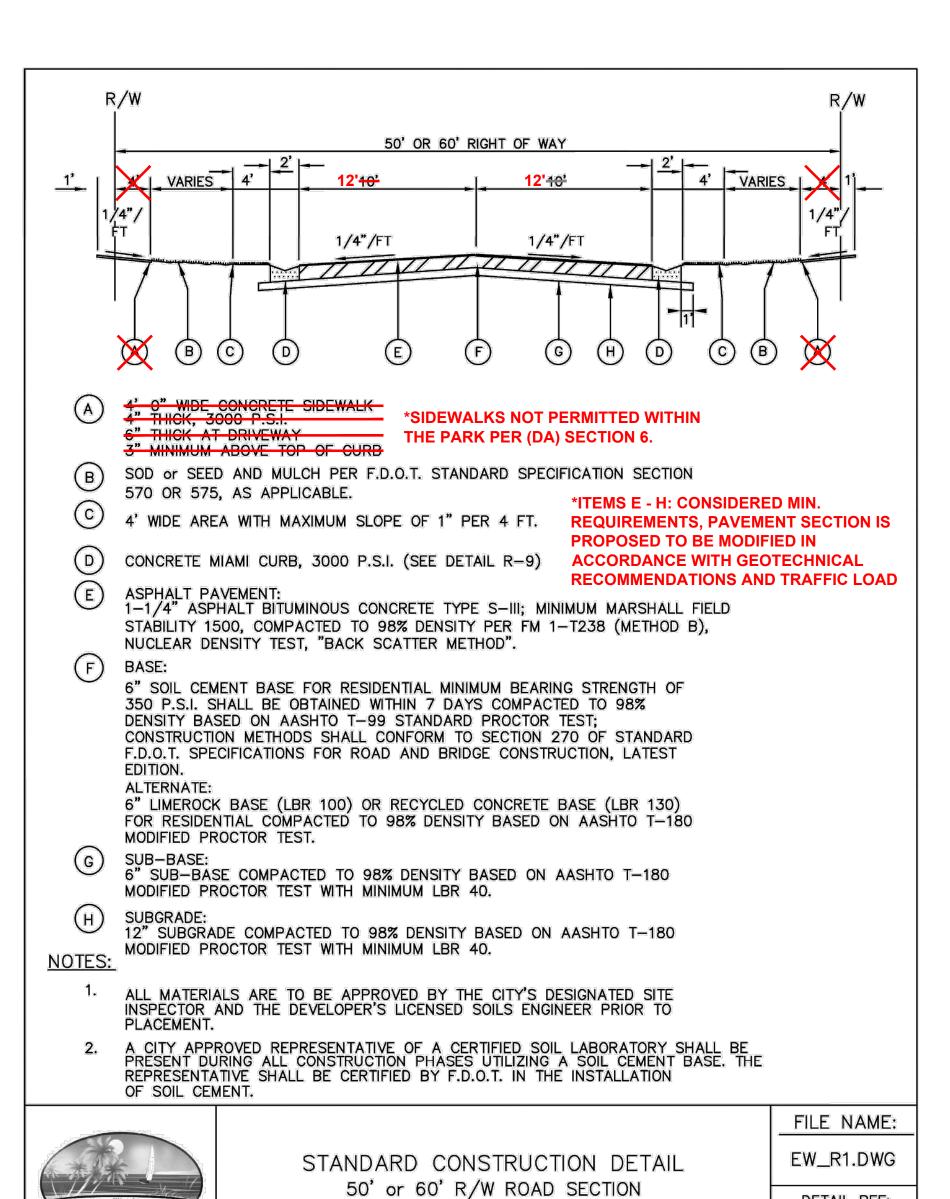
MANUFACTURING USES SHALL BE PARKED BASED ON ANTICIPATED EMPLOYEE COUNT

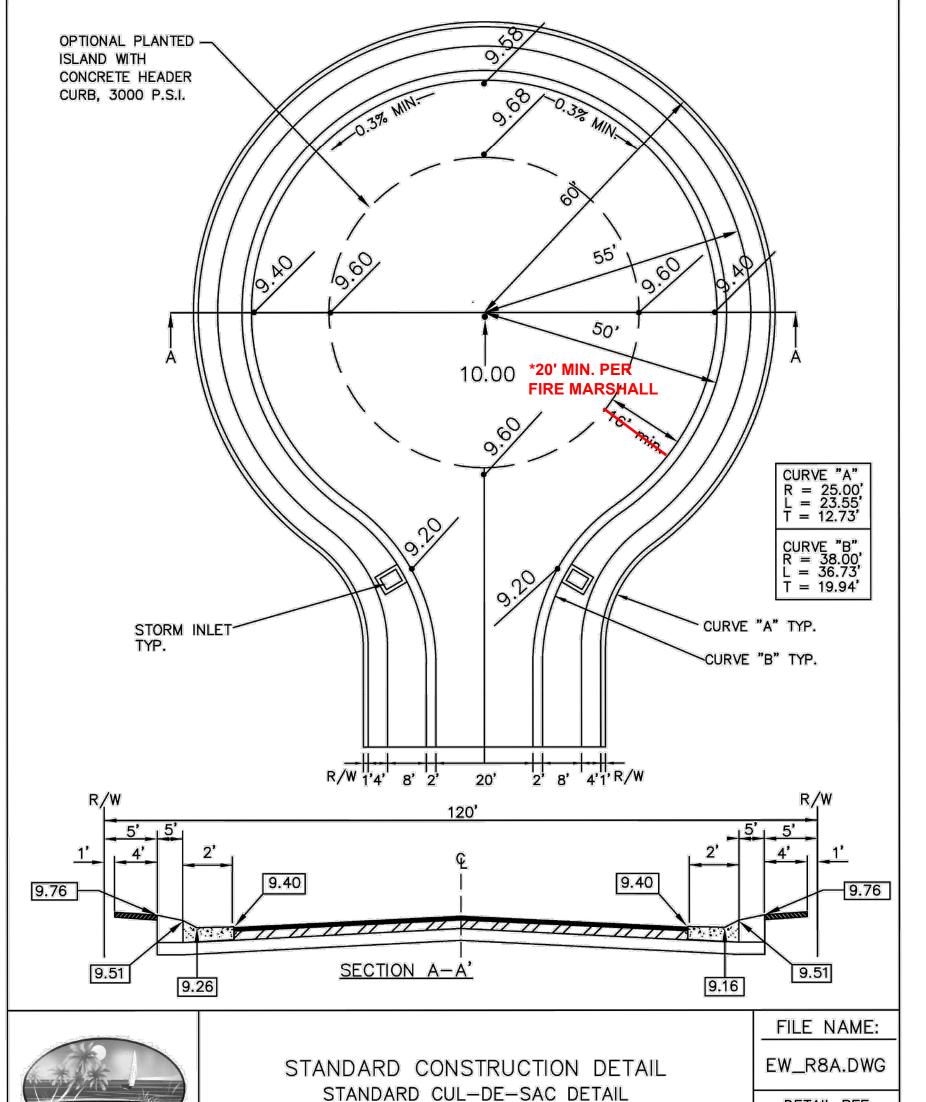
TRAILER DROPS UTILIZED TO SATISFY CODE PARKING REQUIREMENTS BASED ON WAREHOUSE, STORAGE & SIMILAR USE

Sheet Number







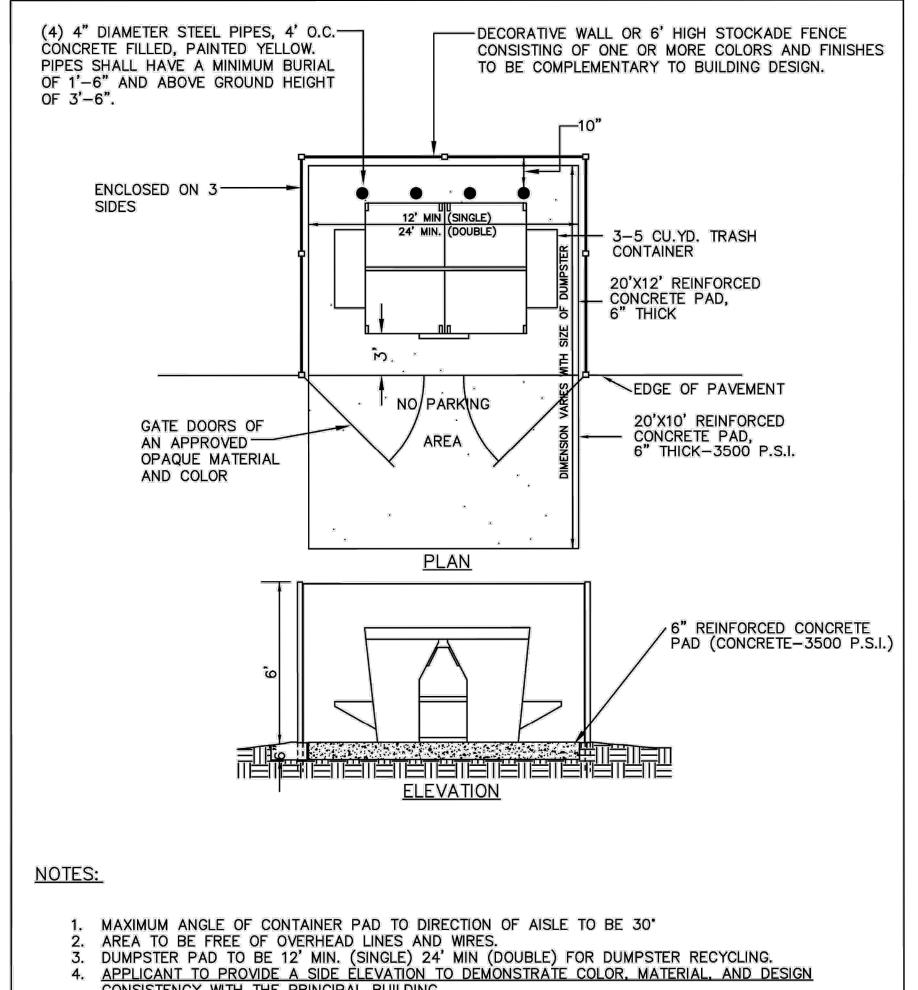


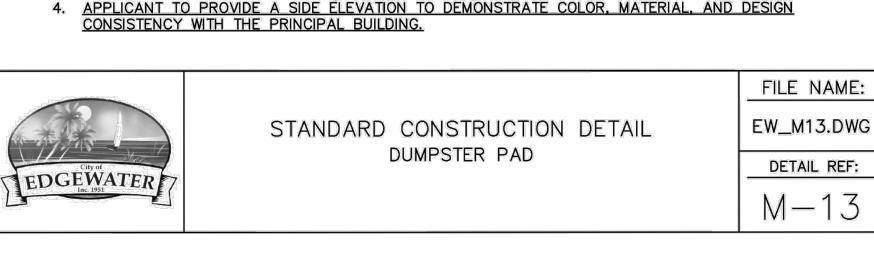
WITH DUAL STORM INLET

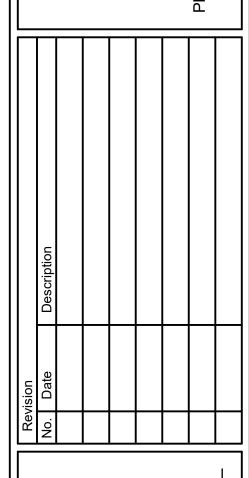
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DETAIL REF:

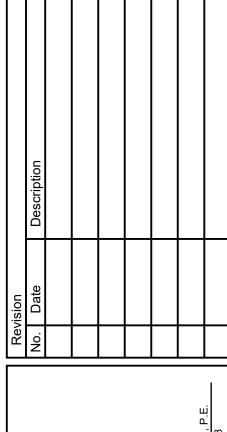
R-8







COAST COMMERC @ PARKTOWNE CITY OF EDGEWATER, FL

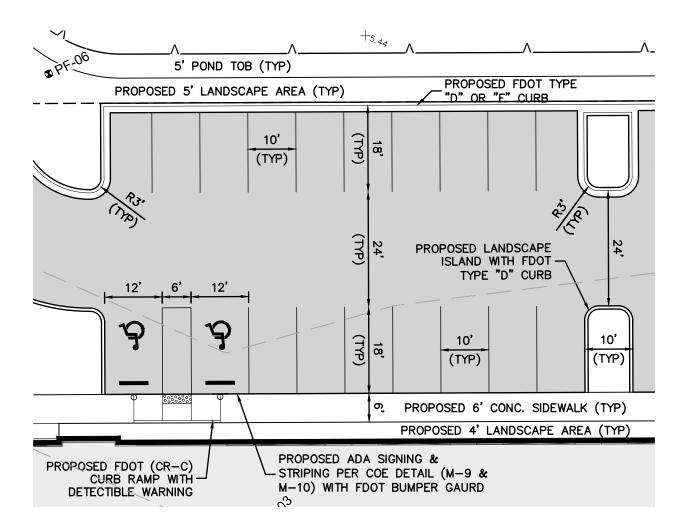


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MASTER DEVELOPMENT SITE DETAILS

C-07

Sheet Number



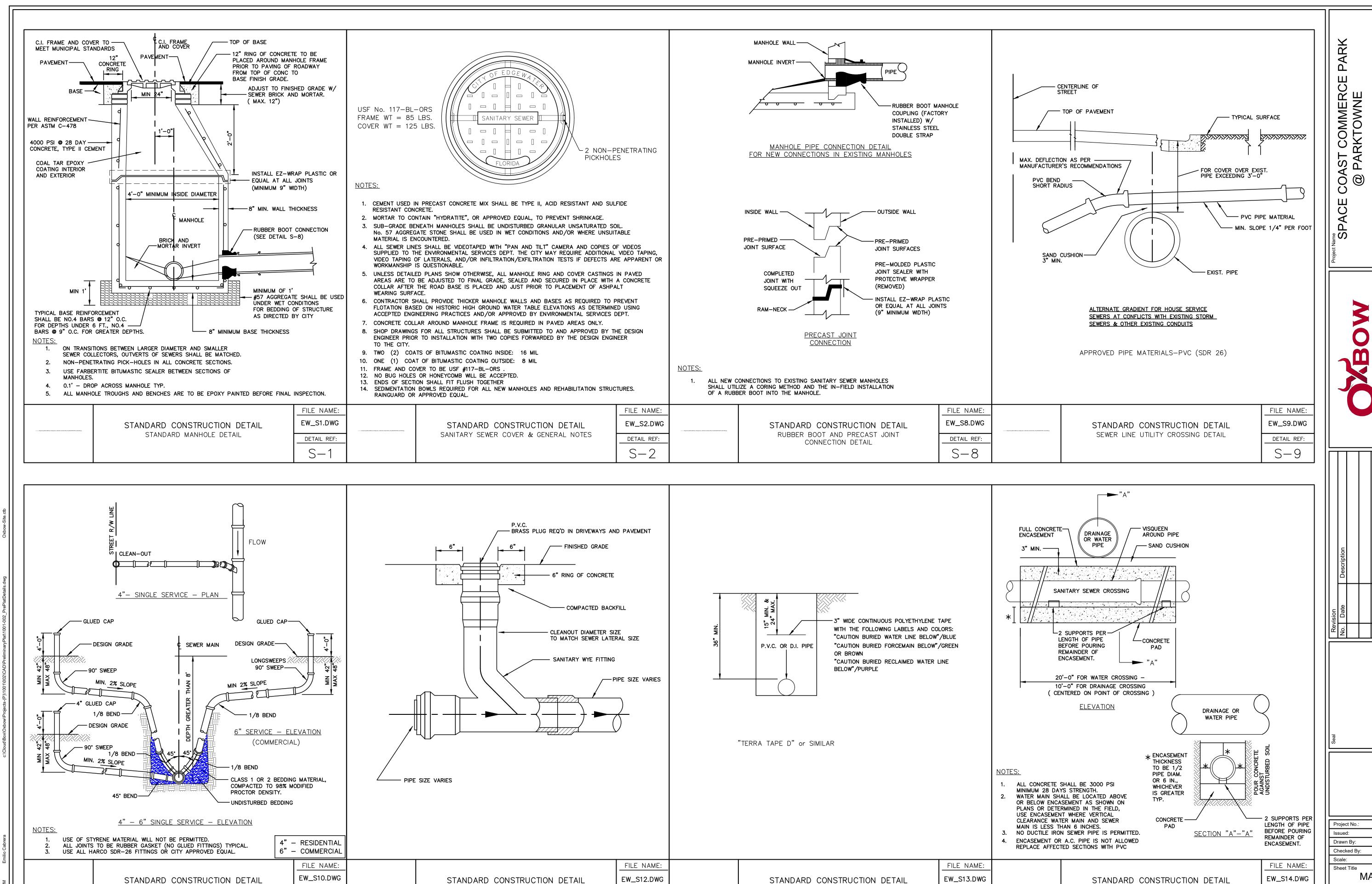
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EDGEWATER

DETAIL REF:

EDGEWATER

**PARKING DETAIL** 



LOCATOR TAPE INSTALLATION FOR

SEWER, WATER AND RECLAIMED WATER PIPELINES

DETAIL REF:

S - 13

CLEANOUT DETAIL

DETAIL REF:

SEWER LATERAL DETAIL

(SINGLE 4" RESIDENTIAL)

(SINGLE 6" COMMERCIAL)

DETAIL REF:

S-10

4206 NATIONAL GUARD DRIVE, #1
PLANT CITY, FL 33563

EM

Revision
No. Date Description

MICHAEL J. SAN

 Project No.:
 1001-002

 Issued:
 AUG 21, 2023

 Drawn By:
 ECC

 Checked By:
 MJS

 Scale:
 1" = N/A

 Sheet Title
 MASTER

DEVELOPMENT COE
SEWER DETAILS
Sheet Number

DETAIL REF:

SEWER CONDUIT CROSSING

C-08

- THE CITY'S ENVIRONMENTAL SERVICES DEPT. (424-2476) SHALL BE GIVEN A MINIMUM OF 48 HOURS ADVANCE NOTICE (NOT INCLUDING HOLIDAYS OR WEEKENDS) PRIOR TO BEGINNING
- 2. ALL GRAVITY SANITARY SEWER MAIN LINES SHALL BE 8" DIAMETER MINIMUM. COMMERCIAL SERVICE LATERALS WITH MULTIPLE CONNECTIONS SHALL BE GREEN 6" DIA. OR LARGER. ALL SINGLE FAMILY RESIDENTIAL SERVICE LATERALS SHALL BE 4" - SINGLE
- 3. ALL GRAVITY SANITARY SEWER LINES SHALL BE GREEN PVC SDR 26, ASTM D-3034. IN PLACES WHERE A MINIMUM COVER OF 4.0' CANNOT BE MAINTAINED, AWWA C-900 OR C-905 GREEN PVC DR-25, CLASS 100 OR CONCRETE ENCASEMENT SHALL BE USED. WATER LINES, RECLAIMED LINES, AND STORM DRAINAGE CROSSINGS SHALL ALSO FOLLOW THE CONCRETE
- 4. MINIMUM GRAVITY SANITARY SEWER SLOPES ARE AS FOLLOWS: 8" PIPE 0.40 %

## 10" PIPE 0.30%

- 5. GRAVITY SANITARY SEWER LINES SHALL BE INSTALLED WHENEVER POSSIBLE UNDER PAVED AREAS WITHIN PUBLIC RIGHTS—OF—WAY. UTILITY EASEMENTS SHALL BE PROVIDED WHENEVER PUBLICLY-OWNED SEWER LINES ARE CONSTRUCTED OUTSIDE OF A PUBLIC
- 6. GRAVITY SANITARY SEWER LINE CONSTRUCTION SHALL BE ACCOMPLISHED BY THE USE OF A LASER INSTRUMENT UNLESS ANOTHER METHOD IS PREVIOUSLY APPROVED BY THE CITY.
- THE CONTRACTOR SHALL AT ALL TIMES, DURING PIPE LAYING OPERATIONS, DEWATER THE GROUND SUFFICIENTLY TO KEEP THE GROUNDWATER ELEVATION A MINIMUM OF 6" BELOW THE PIPE BEING LAID WITHIN THE AREA OF THE TRENCH.
- 8. ALL PIPES SHALL BE LAID ON A FIRM FOUNDATION. SOFT OR SPONGY BEDDING FOR PIPES IS NOT ACCEPTABLE. ANY UNSUITABLE MATERIAL SHALL BE REMOVED AND REPLACED WITH A DRY, COMPACTED, GRANULAR MATERIAL SATISFACTORY TO THE CITY.
- 9. ON ALL EXCAVATION AND BACKFILLING THE CONTRACTOR SHALL PROVIDE ADEQUATE SHEETING AND BRACING IN ORDER TO PROVIDE FOR THE SAFETY OF WORKMEN, AS WELL AS REPRESENTATIVES OF THE CITY, THE DESIGN ENGINEER, AND THE DEVELOPER.
- 10. ALL TRENCHES SHALL BE BACKFILLED WITH ACCEPTABLE MATERIAL AND COMPACTED TO THE SPECIFIED MINIMUM COMPACTION (95% IN UNPAVED AREAS AND 98% IN PAVED AREAS) OF THE OPTIMUM DENSITY OF THAT MATERIAL BASED ON THE AASHTO T-180 MODIFIED
- 11. THE CONTRACTOR SHALL EMPLOY AN INDEPENDENT TESTING LABORATORY AT HIS OWN EXPENSE TO INSURE THAT COMPACTION OF ALL FILL MATERIAL IS COMPLETED PROPERLY. TESTS SHALL BE DONE ONE FOOT ABOVE THE PIPE AND THEN AT ONE FOOT VERTICAL INTERVALS UNTIL FINAL GRADE IS REACHED. TESTING SHALL BE COMPLETED AND TEST DOCUMENTS SUBMITTED TO THE CITY AT A MINIMUM FREQUENCY OF ONE SET OF TESTS BETWEEN EACH MANHOLE AND ONE ADDITIONAL SET OF TESTS AT EVERY MANHOLE. IDENTIFICATION OF TEST LOCATIONS SHALL BE CLEARLY INDICATED ON TEST REPORTS. TEST RESULTS SHALL BE FORWARDED PROMPTLY TO THE CITY'S DESIGNATED SITE
- 12. THE CONTRACTOR SHALL INSTALL A METALLIZED FOIL LOCATOR TAPE, OR SIMILAR DEVICE AS MAY BE APPROVED BY THE CITY FOR THE FULL LENGTH OF ALL PVC SEWAGE FORCE MAINS. THIS PIPE LOCATOR AID SHALL BE INSTALLED BETWEEN 15" AND 24" BELOW FINISHED GRADE OR AS DIRECTED BY THE MANUFACTURER. TAPE SHALL BE COLOR CODED GREEN FOR SANITARY SEWER AND FORCE

FILE NAME

EW\_S23.DWG

DETAIL REF:

### SANITARY SEWER DESIGN AND CONSTRUCTION NOTES:

- 13. ALL TESTING REQUIRED BY THE CITY SHALL BE PAID FOR BY THE CONTRACTOR / DEVELOPER.
- 14. ALL LOCAL COLLECTION SANITARY SEWER MANHOLES SHALL BE PRECAST WITH A MINIMUM INSIDE DIAMETER OF 4 FEET.
- 15. STANDARD MANHOLES SHALL BE LOCATED AT INTERVALS NOT EXCEEDING 400 FEET. 16. ALL SEWER FITTINGS TO BE "HARCO" OR CITY APPROVED EQUAL.
- 17. MANHOLE RIMS SHALL MATCH FLUSH WITH THE FINISH GRADE ELEVATION IN PAVED AREAS AND A MINIMUM OF 0.2 FEET AND MAXIMUM OF 0.5 FEET ABOVE GRADE GENERALLY IN UNPAVED AREAS.
- 18. THE CONTRACTOR SHALL CONSTRUCT SANITARY SEWER MANHOLES IN SUCH A WAY THAT SEWER LINES DO NOT INTERSECT SEALED JOINTS BETWEEN SECTIONS OF THE MANHOLE.
- 19. RUBBER BOOTS AND STAINLESS STEEL BANDS SHALL BE UTILIZED IN THE CONNECTION OF THE SEWER MAIN TO THE MANHOLES (SEE STANDARD MANHOLE AND BOOT DETAIL).
- 20. INDIVIDUAL SANITARY SERVICE CONNECTORS ON NEW CONSTRUCTION SHALL NOT BE CONNECTED DIRECTLY INTO MANHOLES, AND MUST CONNECT TO SEWER MAIN LINES BY USE OF WYE CONNECTIONS, UNLESS OTHERWISE BE APPROVED BY THE CITY.
- 21. FOR SINGLE FAMILY HOMES, SINGLE OR DOUBLE FOUR INCH SEWER SERVICES LATERALS SHALL BE CONSTRUCTED SINGLES AT EACH LOT OR UNIT AND LOCATED ON THE DOWNSTREAM SIDE OF THE LOT CENTER LINE. DOUBLES LOCATED ON THE LOT LINES THESE SERVICES SHALL BE EXTENDED 4 FEET ABOVE GROUND AT THE PROPERTY LINE WITH A PVC RISER AND PLUG BEING EASILY VISIBLE FROM THE ROAD. RUBBER SEAL FITTINGS SHALL BE USED ON ALL LINES. NO GLUED JOINTS ARE PERMITTED ON LATERALS, INCLUDING DOUBLES.
- 22. FOR MULTI-FAMILY AND COMMERCIAL SITES, SIX INCH MINIMUM SEWER SERVICES AND CLEANOUTS SHALL BE PROVIDED AS APPROVED BY THE CITY.
- 23. SANITARY SEWER LIFT STATIONS AND FORCE MAINS, SIZE, MATERIAL, AND DESIGNS SHALL BE APPROVED BY THE CITY. LIFT STATIONS SHALL BE CONSTRUCTED WITH A MINIMUM WET WELL INTERIOR DIAMETER OF 6 FEET. FORCE MAINS SHALL BE A
- 24. IT SHALL BE THE RESPONSIBILITY OF THE DESIGN ENGINEER TO PREPARE AND SUBMIT FLOTATION CALCULATIONS TO SIZE THE BASE OF THE WET WELL, AND ANY MANHOLES AS DEEMED NECESSARY BY THE CITY.
- 25. SANITARY SEWER DROP MANHOLES SHALL ONLY BE USED UNDER SPECIAL CONDITIONS AS APPROVED BY THE CITY. DROPS LESS THAN 2.0' SHALL NOT BE
- 26. ALL SANITARY SEWER MANHOLE COVERS SHALL HAVE THE WORDS "EDGEWATER, FLORIDA SANITARY SEWER" CAST INTO THEM.
- 27. ALL SANITARY SEWER FORCE MAINS, SHALL BE PVC AWWA C-900, OR C-905 (COLOR "GREEN") (PRESSURE FITTINGS, PRESSURE CLASS 150 OR 250 EPOXY LINED DIP. THE FORCE MAIN MINIMUM DEPTH OF COVER SHALL BE 36".
- 28. ALL SANITARY SEWER FORCE MAINS SHALL USE A THRUST RESTRAINT JOINT METHOD IN COMPLIANCE WITH THE DUCTILE IRON PIPE RESEARCH ASSOCIATION GUIDELINES MODIFIED TO ACCOMMODATE PVC PIPE BY FOLLOWING THE RECOMMENDED INCREASE IN RESTRAINT LENGTH CORRESPONDING TO THE INSTALLATION OF POLYETHYLENE WRAP. IN NO INSTANCE SHALL THRUST BLOCKS BE PERMITTED.

STANDARD CONSTRUCTION DETAIL

CONSTRUCTION NOTES

SANITARY SEWER DESIGN AND

#### SANITARY SEWER DESIGN AND CONSTRUCTION NOTES (CONID.)

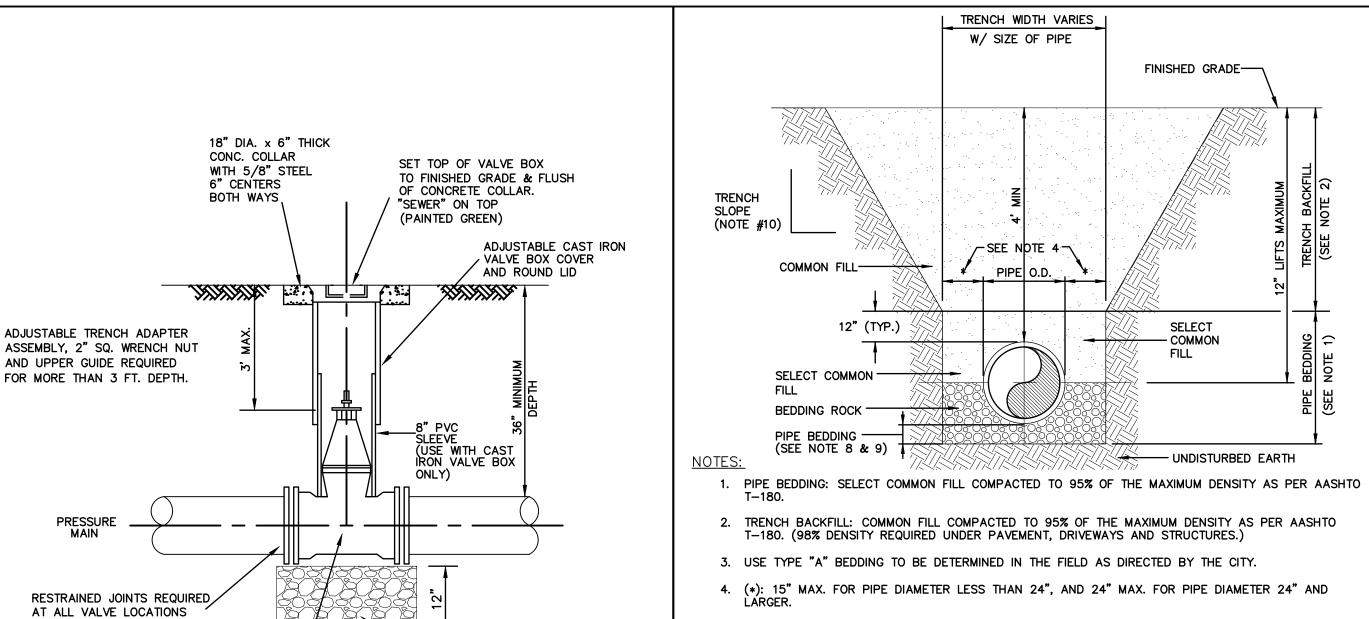
- 29. SANITARY SEWER MANHOLES WHICH HAVE SEWER FORCE MAINS DISCHARGING DIRECTLY INTO THEM SHALL BE FIBERGLASS OR POLY-ETHYLENE LINED. RETRO-FITTING OF MANHOLES WITH LINERS SHALL BE REQUIRED WHEN NEW CONNECTIONS SUCH AS THIS ARE MADE. FIBERGLASS SHALL BE A MINIMUM 1/2" THICKNESS UNLESS APPROVED OTHERWISE BY THE CITY. OTHER TYPES OF LINING METHODS AND MATERIALS MAY BE CONSIDERED ON A CASE BY CASE BASIS UNDER SPECIAL CIRCUMSTANCES WHERE HYDROGEN SULFIDE IS A MAJOR CONCERN MANHOLES UPSTREAM AND/OR DOWNSTREAM OF THE FORCE MAIN TIE-IN OR WET WELL MAY ALSO BE REQUIRED TO HAVE LININGS INSTALLED.
- 30. THE CITY RESERVES THE RIGHT TO REQUIRE THE DEVELOPER TO PERFORM VACUUM TESTING OF ALL SANITARY MANHOLES, AIR TEST SEWER MAINS, AND REQUIRES THAT ALL SANITARY SEWER MAIN LINES BE TELEVISED PRIOR TO FINAL ACCEPTANCE. LATERALS SHALL BE TELEVISED UPON DEMAND BY THE CITY PRIOR TO FINAL ACCEPTANCE WHEN IT IS SUSPECTED THAT A PROBLEM EXISTS.
- 31. ALL SEWER MAINS, PRIOR TO ACCEPTANCE BY THE CITY AND PRIOR TO ANY FINAL PAVING OPERATIONS, SHALL BE CLEANED FLUSHED AND TELEVISED USING A "PAN AND TILT" CAMERA BY A CITY APPROVED CONTRACTOR. THE VIDEO SHALL BE NON-STOP WITH AUDIO DESCRIBING WHAT IS BEING REVIEWED. WRITTEN VIDEO LOGS DESCRIBING THE CONDITION OF THE LINES SHALL ACCOMPANY THE TAPE SUBMISSION TO THE CITY PRIOR TO COMMENCING ANY INSTALLATION OF ASPHALT OR CONCRETE PAVEMENT. RE-TAPING MAY BE REQUIRED BY THE CITY IF ADDITIONAL CLEARING OR CORRECTIVE ACTIONS ARE NECESSARY.
- 32. ALL MANHOLES WITH FORCE MAIN CONNECTIONS SHALL BE OUTFITTED WITH EGRU LINERS OR OTHER TYPES OF LINERS APPROVED BY THE VITY. IN ADDITION, THE CITY MAY REQUIRE LINES TO BE INSTALLED IN AREAS WHERE THE ENVIRONMENTAL SERVICES DEPARTMENT BELIEVES THE
- 33. ALL SEWER LINES WHICH ARE CONSTRUCTED OUTSIDE OF PUBLIC RIGHTS-OF-WAY WITHIN SIDE YARDS, BACKYARDS, AND OTHER POORLY ACCESSIBLE AREAS SHALL BE CONSTRUCTED OF C-900 PVC. ABSOLUTELY NO USE OF PLASTIC STYRENE FITTINGS SHALL BE ALLOWED.
- 34. SEWER LATERAL LOCATIONS SHALL BE MARKED ALONG THE OUTSIDE OF THE CURB WITH A SAW CUT "V", OR BY A METAL TAB SET INTO THE PAVEMENT.
- 35. CONTEC A-2000 PVC PIPE SHALL NOT BE ALLOWED FOR USE.
- 36. EZ-WRAP PLASTIC. AS MANUFACTURED BY PRESS SEAL GASKET CORPORATION. SHALL BE USED ON THE OUTSIDE OF ALL MANHOLE AND WETWELL JOINTS. APPLY ONE LAYER OF 9" WRAP CENTERED ON EACH JOINT. A CITY INSPECTOR SHALL PERSONALLY INSPECT ALL JOINT SEALS PRIOR TO BACKFILLING OPERATIONS.
- 37. ALL PROPOSED SEWER FORCE MAINS SHALL BE FLUSHED, PRESSURE TESTED AND CLEARED FOR SERVICE IN ACCORDANCE WITH THE LATEST AWWA STANDARDS AND THE FLORIDA DEPARTMENT OF ENVIROMENTAL PROTECTION REQUIREMENTS. THE CONTRACTOR SHALL NOTIFY THE CITY'S DESIGNATED SITE INSPECTOR WHO SHALL COORDINATE WITH CITY PERSONNEL AT THE ENVIRONMENTAL SERVICES DEPARTMENT (AS APPROPRIATE) AT LEAST 24 HOURS PRIOR TO BEGINNING A FULL-DIAMETER FLUSH OF THE MAINS PRIOR TO THE COMMENCEMENT OF PRESSURE TESTING (SUBJECT TO
- 38. THE CITY MAY REQUIRE THE CONTRACTOR TO PIG FORCE MAINS IN EXCESS OF 6" IN DIAMETER AND PRIMARY TRANSMISSION MAINS LOCATED ON COLLECTOR AND ARTERIAL ROADWAYS. LAUNCHING AND EXTRACTION POINTS SHALL BE DETERMINED BY THE

#### SANITARY SEWER DESIGN AND CONSTRUCTION NOTES (CONTD.)

- 39. ANY TIE INTO AN EXISTING MANHOLE WILL BE COORDINATED WITH THE CITY, AND ALL CONFINED SPACE HAZARDS AND PROCEDURES WILL BE FOLLOWED.
- 40. ANY TIE INTO AN EXISTING SYSTEM WILL BE SWEPT IN THE DIRECTION OF FLOW.
- 41. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL OSHA, DOT, OR ANY OTHER RULES & REGULATIONS THAT MAY APPLY.
- 42. AS A GENERAL RULE, THE NUMBER OF JOINTS SHALL BE LIMITED WHENEVER POSSIBLE. IN SPECIAL CASES WHERE A POINT REPAIR TO AN 8"TO 12" PVC SEWER MAIN IS REQUIRED, THE PROPER RIGID WRAP AROUND SLEEVE SUCH AS A JCM-210 OVERSIZED DUCTILE IRON COUPLING OR AN APPROVED EQUAL MAY BE ALLOWED BY SPECIAL APPROVAL BY THE
- 43. ALL IN-LINE SANITARY SEWER FORCE MAIN VALVES SHALL BE RESILIENT SEAT (AWWA C-509) VALVES FEATURING A LINED DUCTILE IRON BODY.
- 44. ALL TAPPING OF MAINS AND CORING OF MANHOLES SHALL BE COORDINATED WITH THE CITY BY AN APPROVED CONTRACTOR AND BILLED IN ACCORDANCE WITH THE ADOPTED FEE RESOLUTION. SCHEDULING OF THESE CONNECTIONS SHALL REQUIRE A MINIMUM 48 HOUR NOTIFICATION (MEASURED ON NORMAL WORK DAYS) DIRECTED TO THE CITY'S DESIGNATED SITE INSPECTOR WHO SHALL COORDINATE THE WORK DIRECTLY WITH THE ENVIRONMENTAL SERVICE DEPARTMENT. SUBSEQUENTLY, THE CONNECTION SHALL BE SCHEDULED TO COMMENCE ON THE APPROPRIATE DAY AND TIME ESTABLISHED BY CITY.
- 45. WITH RESPECT TO TIE-IN CONNECTIONS AND CORING OPERATIONS, THE CITY RESERVES THE RIGHT TO REQUIRE CONNECTIONS TO BE PERFORMED DURING PERIODS OF LOW FLOW (MIDNIGHT TO 6:00 A.M.) IN ORDER TO MINIMIZE SERVICE DISRUPTION TO EXISTING
- 46. ALL WORK PERFORMED UPON SANITARY SEWER FACILITIES OWNED OR PROPOSED TO BE OWNED BY THE CITY SHALL BE CONSTRUCTED BY A LICENSED UNDERGROUND UTILITY CONTRACTOR, OR LICENSED GENERAL CONTRACTOR, WHO IS LICENSED IN THE STATE OF FLORIDA AND REGISTERED
- 47. UPON CONSTRUCTION COMPLETION AND ACCEPTANCE OF THE SYSTEM, IT SHALL BE THE DESIGN ENGINEER'S RESPONSIBILITY TO ENSURE THAT THE SYSTEM IS PROPERLY CERTIFIED AND ACCEPTED BY THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION AND AS-BUILTS ARE PROVIDED TO THE CITY PRIOR TO ANY USE OF THE
- 48. FOR CONSTRUCTION PURPOSES, THE PLANS SHALL DIMENSION THE LOCATION, OF ALL FORCE MAINS MEASURED FROM THE BACK OF CURB ( OR EDGE OF PAVEMENT, IF NO CURBING EXISTS. )
- 49. ALL HDPE PIPE INSTALLED FOR SEWAGE FORCE MAINS SHALL BE SDR 11 UNLESS SPECIFICALLY NOTED OTHERWISE. THE HDPE PIPE SHALL BE SIZED TO MATCH THE EXTERNAL DIAMETER OF THE PVC OR DIP TO WHICH IT IS ATTACHED.
- 50. LANDSCAPE PLANS SHALL CLEARLY DEPICT THE DESIGN LOCATION OF PLANTINGS RELATIVE TO THE LOCATION OF PUBLIC UTILITIES AND STORMWATER INFRASTRUCTURE IN ORDER TO EVALUATE POTENTIAL CONFLICTS.
- 51. ALL UTILITY INSTALLATIONS ARE SUBJECT TO REVIEW AND APPEAL BY THE CITY OF EDGEWATER. ALL STRUCTURES AND EQUIPMENT SUPPLIED AND/ OR INSTALLED SHALL MEET QUALITY AND PERFORMANCE STANDARDS PRIOR TO ACCEPTANCE. SUBSTANDARD INSTALLATIONS MAY BE REJECTED, REMEMBER MEASURES ARE SUBJECT TO CITY APPROVAL.

FILE NAME: EW\_S25.DWG EW\_S26.DWG STANDARD CONSTRUCTION DETAIL STANDARD CONSTRUCTION DETAIL SANITARY SEWER DESIGN AND SANITARY SEWER DESIGN AND DETAIL REF: DETAIL REF: CONSTRUCTION NOTES CONSTRUCTION NOTES

FINISHED GRADE -



FILE NAME:

EW\_S24.DWG

DETAIL REF:

(AWWA C-509) FOR ALL 7. REFER TO SECTION 32.5 OF THE MANUAL FOR SHEETING AND BRACING IN EXCAVATIONS. PIPE SIZES THRU 12" DIAMETER.

OF #57 ROCK

ROD OR BOLT TO TEE WHERE APPLICABLE.

RESILIENT PLUG VALVE -

FILE NAME STANDARD CONSTRUCTION DETAIL EW\_S27.DWG SANITARY SEWER FORCE MAIN VALVE & VALVE BOX DETAIL REF:

- 2. TRENCH BACKFILL: COMMON FILL COMPACTED TO 95% OF THE MAXIMUM DENSITY AS PER AASHTO
- 4. (\*): 15" MAX. FOR PIPE DIAMETER LESS THAN 24", AND 24" MAX. FOR PIPE DIAMETER 24" AND
- 5. WATER SHALL NOT BE PERMITTED IN THE TRENCH DURING CONSTRUCTION.
- 6. ALL PIPE TO BE INSTALLED WITH BELL FACING UPSTREAM TO THE DIRECTION OF FLOW.
- 8. GRAVITY SEWERS SHALL UTILIZE TYPE "A" BEDDING, WHERE UNSUITABLE MATERIAL EXISTS. BEDDING
- DEPTH SHALL BE 4" MINIMUM FOR PIPE DIAMETER LESS THAN 15", AND 6" MINIMUM FOR PIPE DIAMETER 16" AND LARGER.

STANDARD CONSTRUCTION DETAIL

TYPE "A" BEDDING AND TRENCH DETAIL

(SPECIAL GRAVITY SEWER INSTALLATIONS)

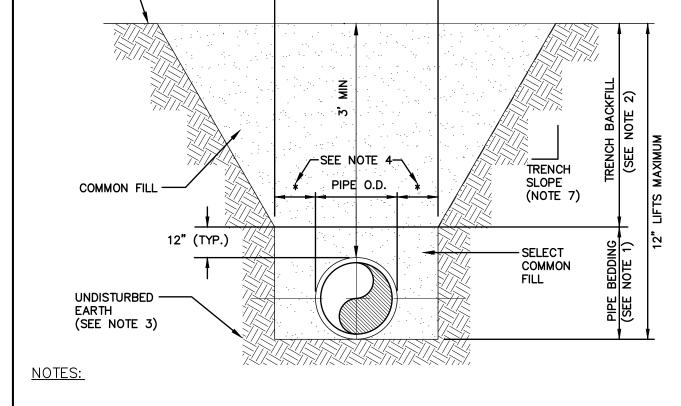
9. DEPTH FOR REMOVAL OF UNSUITABLE MATERIAL SHALL GOVERN DEPTH OF BEDDING ROCK BELOW THE PIPE. CITY SHALL DETERMINE IN THE FIELD REQUIRED REMOVAL OF UNSUITABLE MATERIAL TO REACH SUITABLE FOUNDATION.

FILE NAME:

EW\_S28.DWG

DETAIL REF:

10. REFER TO OSHA REQMTS. FOR SLOPING, SHEETING AND BRACING IN EXCAVATIONS.



TRENCH WIDTH VARIES
W/ SIZE OF PIPE

- 1. PIPE BEDDING: SELECT COMMON FILL COMPACTED TO 95% OF THE MAXIMUM DENSITY AS PER
- 2. TRENCH BACKFILL: COMMON FILL COMPACTED TO 95% OF THE MAXIMUM DENSITY AS PER AASHTO T-180, (98% DENSITY REQUIRED UNDER DRIVEWAYS, PAVEMENT AND STRUCTURES).
- 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 CITY.
- 4. (\*): 15" MAX. FOR PIPE DIAMETER LESS THAN 24", AND 24" MAX. FOR PIPE DIAMETER 24"
- 5. WATER SHALL NOT BE PERMITTED IN THE TRENCH DURING CONSTRUCTION.
- 6. ALL PIPE TO BE INSTALLED WITH BELL FACING UPSTREAM TO THE DIRECTION OF FLOW.
- 7. REFER TO OSHA REQUIREMENTS FOR SLOPING, SHEETING AND BRACING IN EXCAVATIONS.
- 8. FINAL RESTORATION IN IMPROVED AREAS SHALL BE IN COMPLIANCE WITH ALL APPLICABLE REGULATIONS OF GOVERNING AGENCIES. SURFACE RESTORATION WITHIN RIGHT-OF-WAY SHALL COMPLY WITH REQUIREMENTS OF RIGHT-OF-WAY UTILIZATION REGUL

	AND ROAD CONSTRUCTION SPECIFICATIONS.	
		FILE NAME:
num#0009491784.000.800 jug	STANDARD CONSTRUCTION DETAIL	EW_S29.DWG
	TYPE "B" BEDDING AND TRENCH DETAIL  (TYPICAL FOR WATER SEWER FORCE MAIN STORM	DETAIL REF:

DRAIN AND RECLAIMED WATER MAIN INSTALLATIONS)

Sheet Title MASTER DEVELOPMENT COE Sheet Number

1001-002

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AUG 21, 2023

SEWER DETAILS

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Sheet: EW\_W5-Model

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