

SWPPP NOTES

1. SEDIMENT BASINS AND TRAPS, PERIMETER DIKES, SEDIMENT BARRIERS AND OTHER MEASURES INTENDED TO TRAP SEDIMENT SHALL BE CONSTRUCTED AS A FIRST STEP IN ANY LAND DISTURBING ACTIVITY AND SHALL BE MADE FUNCTIONAL BEFORE UP-SLOPE LAND DISTURBANCE TAKES PLACE.
2. ALL SEDIMENT CONTROL MEASURES ARE TO BE ADJUSTED TO MEET FIELD CONDITIONS AT THE TIME OF CONSTRUCTION AND BE CONSTRUCTED PRIOR TO ANY GRADING OR DISTURBANCE OF EXISTING SURFACE MATERIAL ON BALANCE OF SITE. PERIMETER SEDIMENT BARRIERS SHALL BE CONSTRUCTED TO PREVENT SEDIMENT OR TRASH FROM FLOWING OR FLOATING ON TO ADJACENT PROPERTIES.
3. PERMANENT OR TEMPORARY SOIL STABILIZATION SHALL BE APPLIED TO DENUDED AREAS WITHIN SEVEN (7) DAYS AFTER FINISHED ON ANY PORTION OF THE SITE. TEMPORARY SOIL STABILIZATION SHALL BE APPLIED WITHIN SEVEN (7) DAYS TO DENUDED AREAS THAT MAY NOT BE AT FINAL GRADE BUT WILL REMAIN UNDISTURBED FOR LONGER THAN 30 DAYS. PERMANENT STABILIZATION SHALL BE APPLIED TO AREAS THAT ARE TO BE LEFT UNDISTURBED FOR MORE THAN ONE YEAR.
4. DURING CONSTRUCTION OF THE PROJECT, SOIL STOCK PILES SHALL BE STABILIZED, COVERED OR CONTAINED WITH SEDIMENT TRAPPING MEASURES. THE APPLICANT IS RESPONSIBLE FOR THE TEMPORARY PROTECTION AND PERMANENT STABILIZATION OF ALL SOIL STOCKPILES ON SITE AS WELL AS SOIL INTENTIONALLY TRANSPORTED FROM THE PROJECT SITE.
5. A PERMANENT VEGETATIVE COVER SHALL BE ESTABLISHED ON DENUDED AREAS NOT OTHERWISE PERMANENTLY STABILIZED.
6. AFTER ANY SIGNIFICANT RAINFALL, SEDIMENT CONTROL STRUCTURES WILL BE INSPECTED FOR INTEGRITY. ANY DAMAGED DEVICES SHALL BE CORRECTED IMMEDIATELY.
7. CONCENTRATED RUNOFF SHALL NOT FLOW DOWN CUT OR FILL SLOPES UNLESS CONTAINED WITHIN AN ADEQUATE TEMPORARY OR PERMANENT CHANNEL, FLUME, SLOPE DRAIN STRUCTURE OR APPROVED CONTROL.
8. SEDIMENT WILL BE PREVENTED FROM ENTERING ANY STORM WATER SYSTEM, DITCH OR CHANNEL. ALL STORM WATER INLETS THAT ARE MADE OPERABLE DURING CONSTRUCTION SHALL BE PROTECTED SO THAT SEDIMENT-LADEN WATER CANNOT ENTER THE CONVEYANCE SYSTEM WITHOUT FIRST BEING FILTERED OR OTHERWISE TREATED TO REMOVE SEDIMENT.
9. WHEN WORK IN A LIVE WATERCOURSE IS PERFORMED, PRECAUTIONS SHALL BE TAKEN TO MINIMIZE ENCROACHMENT, CONTROL SEDIMENT TRANSPORT AND STABILIZE THE WORK AREA TO THE GREATEST EXTENT POSSIBLE DURING CONSTRUCTION.
10. PERIODIC INSPECTION AND MAINTENANCE OF ALL

SEDIMENT CONTROL STRUCTURES MUST BE PROVIDED TO ENSURE INTENDED PURPOSE IS ACCOMPLISHED. THE DEVELOPER, OWNER AND/OR CONTRACTOR SHALL BE CONTINUALLY RESPONSIBLE FOR ALL SEDIMENT CONTROLS. SEDIMENT CONTROL MEASURES SHALL BE IN WORKING CONDITION AT THE END OF EACH WORKING DAY.

11. WHERE CONSTRUCTION VEHICLE ACCESS ROUTES INTERSECT PAVED PUBLIC ROADS, PROVISIONS SHALL BE MADE TO MINIMIZE THE TRANSPORT OF SEDIMENT BY TRACKING ONTO THE PAVED SURFACE. WHERE SEDIMENT IS TRANSPORTED ONTO A PUBLIC ROAD SURFACE WITH CURBS AND GUTTERS, THE ROAD SHALL BE CLEANED THOROUGHLY AT THE END OF EACH DAY. SEDIMENT SHALL BE REMOVED FROM THE ROADS BY SHOVELING OR SWEEPING AND TRANSPORTED TO A SEDIMENT CONTROL DISPOSAL AREA. STREET WASHING SHALL BE ALLOWED ONLY AFTER SEDIMENT IS REMOVED IN THIS MANNER. THIS PROVISION SHALL APPLY TO INDIVIDUAL SUBDIVISION LOTS AS WELL AS TO LARGER LAND DISTURBING ACTIVITIES.

12. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED.

13. PROPERTIES AND WATERWAYS DOWNSTREAM FROM CONSTRUCTION SITES SHALL BE PROTECTED FROM SEDIMENT DEPOSITION AND EROSION AT ALL TIMES DURING CONSTRUCTION.

14. EROSION CONTROL DESIGN AND CONSTRUCTION SHALL FOLLOW THE REQUIREMENTS IN THE 'FLORIDA EROSION AND SEDIMENT CONTROL MANUAL' AND COUNTY PERMITS.

15. CONTRACTOR IS RESPONSIBLE FOR ALL SURFACE WATER DISCHARGES, RAINFALL RUN OFF OR DEWATERING ACTIVITIES.

16. CONTRACTOR MUST INCORPORATE ALL BMP'S NECESSARY TO MEET OR EXCEED STATE WATER QUALITY AND SWPPP REQUIREMENTS.

17. THE POLLUTION PREVENTION PLAN IS A MINIMUM GUIDELINE ONLY. ADDITIONAL BMP'S MAY BE NECESSARY AT CONTRACTOR'S EXPENSE.

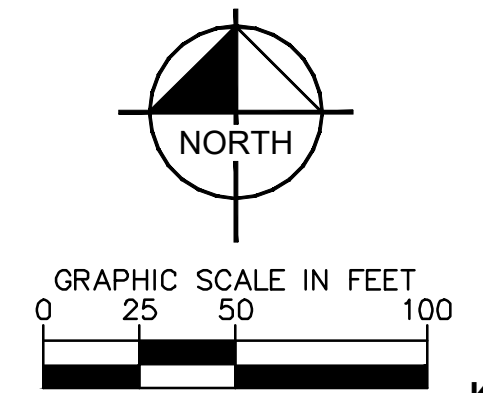
18. NOI TO BE POSTED ON SITE.

EROSION CONTROL LEGEND

- TEMPORARY CONSTRUCTION EXIT (SEE E&S DETAIL SHEETS)
- PROPOSED SEDIMENTATION/ SILT FENCE WITH WIRE SUPPORT (SEE E&S DETAIL SHEETS)
- CONSTRUCTION EXIT/ENTRANCE
- MOBILE CONCRETE WASH AREA
- TEMPORARY SEDIMENT TRAP
- SILT FENCE INLET PROTECTION
- CONTROL STRUCTURE PROTECTION
- SWPPP INFORMATION SIGN
- CURB INLET PROTECTION
- INLET PROTECTION

LEGEND

- PROPERTY LINE
- PROPOSED ROADWAY CURB INLET - TYPE P-5
- PROPOSED STORM MANHOLE
- PROPOSED CATCH BASIN
- PROPOSED CURB INLET TYPE P-9
- TRADITION IN MOTION (TM) PATH
- EXISTING SIDEWALK



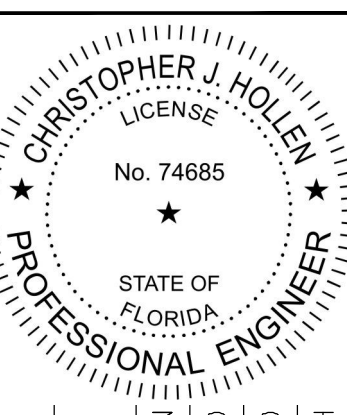
THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTORS BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE.

VERTICAL DATUM
ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). SUBTRACT 1.57' FROM NAVD 29 ELEVATION TO GET THE NAVD 88 ELEVATION.

CITY OF PORT ST. LUCIE PROJECT # P21-239
PSLUSD PROJECT # 5211E

| NO. | REVISIONS | DATE | BY |
|-----|-----------|------|----|
| | | | |

Kimley»Horn
 © 2023 KIMLEY-HORN AND ASSOCIATES, INC.
 445 24TH STREET, SUITE 200, VERO BEACH, FL 32960
 PHONE: 772-794-4100
 WWW.KIMLEY-HORN.COM REGISTRY NO. 35106



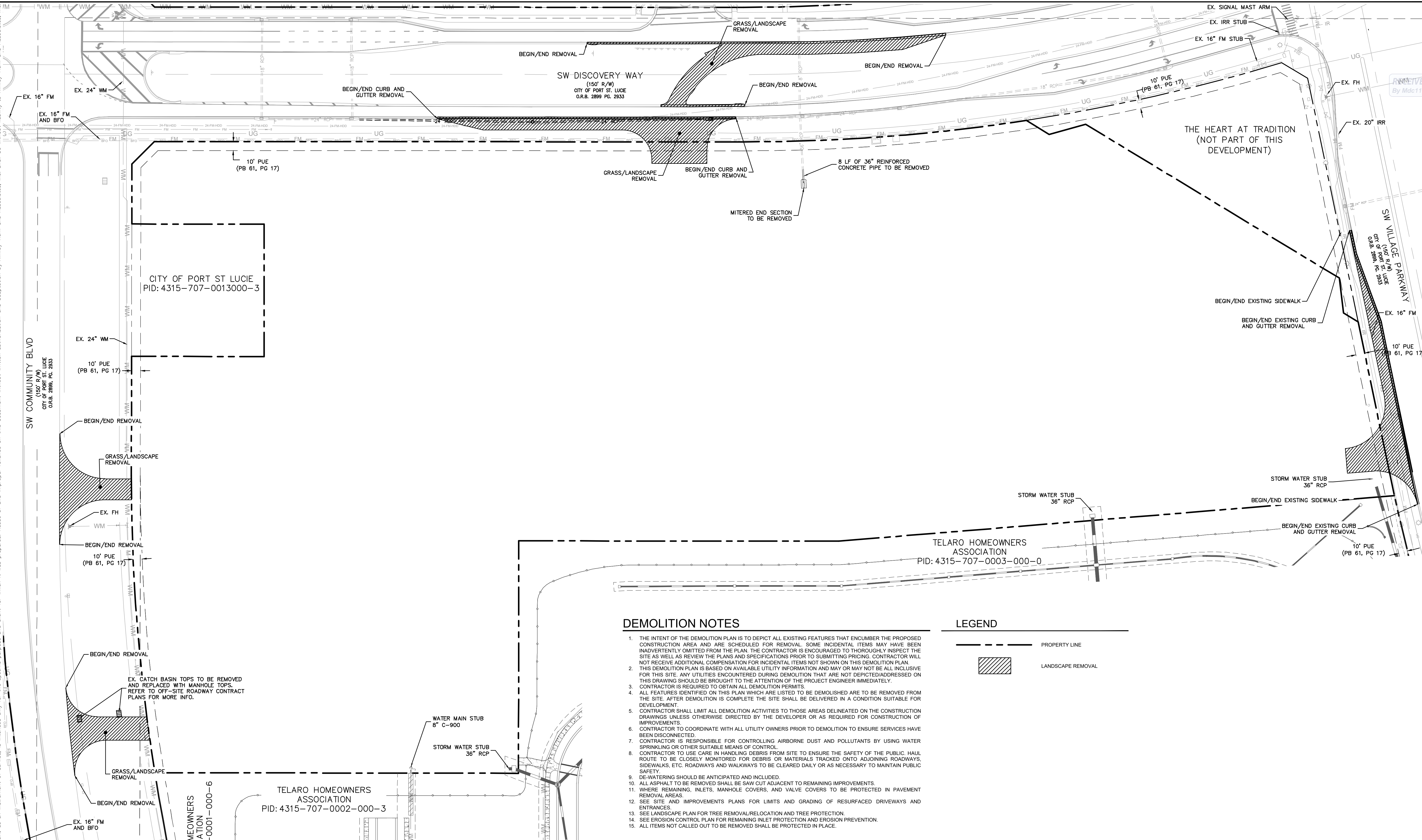
| | |
|-------------|-----------|
| KHA PROJECT | 147842000 |
| DATE | 8/18/2021 |
| SCALE | AS SHOWN |
| DESIGNED BY | DFD |
| DRAWN BY | DFD |
| CHECKED BY | CJH |

LAND CLEARING PLAN

THE SHOPPES AT THE HEART OF TRADITION FOR BANYAN DEVELOPMENT
 SAINT LUCIE COUNTY FLORIDA
 SHEET NUMBER C-020

Plotted By: Anderson, Sarah. Sheet: 147842000 - The Shoppes at the Heart of Tradition. Layout: C-020 LAND CLEARING PLAN - 147842000. Max. 16, 2023. 03:19:38pm. K:\VRB_DEVA\147842000 - Banyan ps\CAD\plansheets\C-020 LAND CLEARING PLAN - 147842000.dwg
 This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

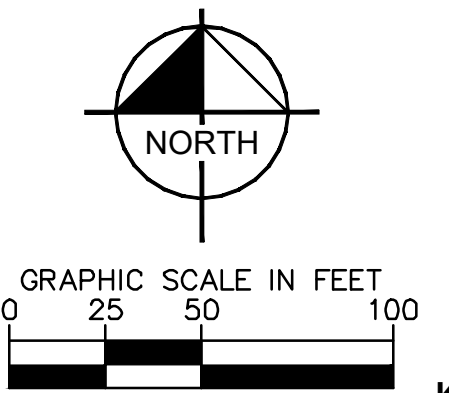
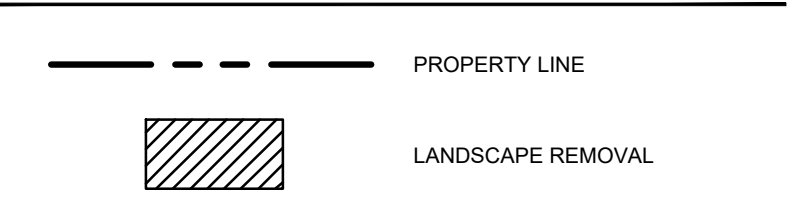
Plotted By: Anderson, Sarah - Sheet Set: 147842000 - The Shoppes at the Heart of Tradition - Layout: C-050 DEMOLITION PLAN - 147842000 - May 15, 2023 03:20:09pm - k:\VRB-LDE\147842000 - baryon_psl\CAD\plansets\C-050 DEMOLITION PLAN - 147842000.dwg
 This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



DEMOLITION NOTES

1. THE INTENT OF THE DEMOLITION PLAN IS TO DEPICT ALL EXISTING FEATURES THAT ENCUMBER THE PROPOSED CONSTRUCTION AREA AND ARE SCHEDULED FOR REMOVAL. SOME INCIDENTAL ITEMS MAY HAVE BEEN INADVERTENTLY OMITTED FROM THE PLAN. THE CONTRACTOR IS ENCOURAGED TO THOROUGHLY INSPECT THE SITE AS WELL AS REVIEW THE PLANS AND SPECIFICATIONS PRIOR TO SUBMITTING PRICING. CONTRACTOR WILL NOT RECEIVE ADDITIONAL COMPENSATION FOR INCIDENTAL ITEMS NOT SHOWN ON THIS DEMOLITION PLAN.
2. THIS DEMOLITION PLAN IS BASED ON AVAILABLE UTILITY INFORMATION AND MAY OR MAY NOT BE ALL INCLUSIVE FOR THIS SITE. ANY UTILITIES ENCOUNTERED DURING DEMOLITION THAT ARE NOT DEPICTED/ADDRESSED ON THIS DRAWING SHOULD BE BROUGHT TO THE ATTENTION OF THE PROJECT ENGINEER IMMEDIATELY.
3. CONTRACTOR IS REQUIRED TO OBTAIN ALL DEMOLITION PERMITS.
4. ALL FEATURES IDENTIFIED ON THIS PLAN WHICH ARE LISTED TO BE DEMOLISHED ARE TO BE REMOVED FROM THE SITE. AFTER DEMOLITION IS COMPLETE THE SITE SHALL BE DELIVERED IN A CONDITION SUITABLE FOR DEVELOPMENT.
5. CONTRACTOR SHALL LIMIT ALL DEMOLITION ACTIVITIES TO THOSE AREAS DELINEATED ON THE CONSTRUCTION DRAWINGS UNLESS OTHERWISE DIRECTED BY THE DEVELOPER OR AS REQUIRED FOR CONSTRUCTION OF IMPROVEMENTS.
6. CONTRACTOR TO COORDINATE WITH ALL UTILITY OWNERS PRIOR TO DEMOLITION TO ENSURE SERVICES HAVE BEEN DISCONNECTED.
7. CONTRACTOR IS RESPONSIBLE FOR CONTROLLING AIRBORNE DUST AND POLLUTANTS BY USING WATER SPRINKLING OR OTHER SUITABLE MEANS OF CONTROL.
8. CONTRACTOR TO USE CARE IN HANDLING DEBRIS FROM SITE TO ENSURE THE SAFETY OF THE PUBLIC. HAUL ROUTE TO BE CLOSELY MONITORED FOR DEBRIS OR MATERIALS TRACKED ONTO ADJOINING ROADWAYS, SIDEWALKS, ETC. ROADWAYS AND WALKWAYS TO BE CLEARED DAILY OR AS NECESSARY TO MAINTAIN PUBLIC SAFETY.
9. DE-WATERING SHOULD BE ANTICIPATED AND INCLUDED.
10. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
11. WHERE REMAINING, INLETS, MANHOLE COVERS, AND VALVE COVERS TO BE PROTECTED IN PAVEMENT REMOVAL AREAS.
12. SEE SITE AND IMPROVEMENTS PLANS FOR LIMITS AND GRADING OF RESURFACED DRIVEWAYS AND ENTRANCES.
13. SEE LANDSCAPE PLAN FOR TREE REMOVAL/RELOCATION AND TREE PROTECTION.
14. SEE EROSION CONTROL PLAN FOR REMAINING INLET PROTECTION AND EROSION PREVENTION.
15. ALL ITEMS NOT CALLED OUT TO BE REMOVED SHALL BE PROTECTED IN PLACE.

LEGEND

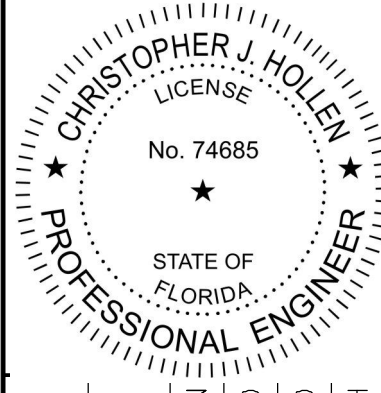


THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTORS BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE.
 VERTICAL DATUM
 ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). SUBTRACT 1.57' FROM NAVD 29 ELEVATION TO GET THE NAVD 88 ELEVATION.

CITY OF PORT ST. LUCIE PROJECT # P21-239
 PSLUSD PROJECT # 5211E

| NO. | REVISIONS | DATE | BY |
|-----|-----------|------|----|
| | | | |

Kimley»Horn
 © 2023 KIMLEY-HORN AND ASSOCIATES, INC.
 445 24TH STREET, SUITE 200, VERO BEACH, FL 32960
 PHONE: 772-794-4100
 WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

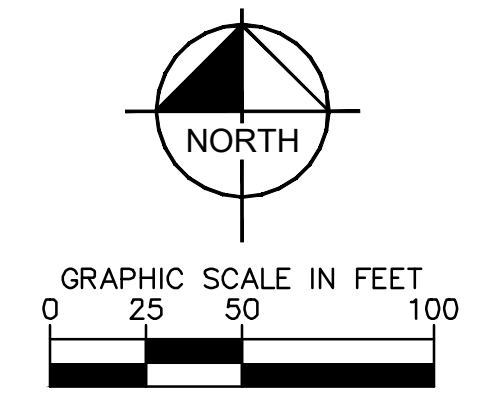
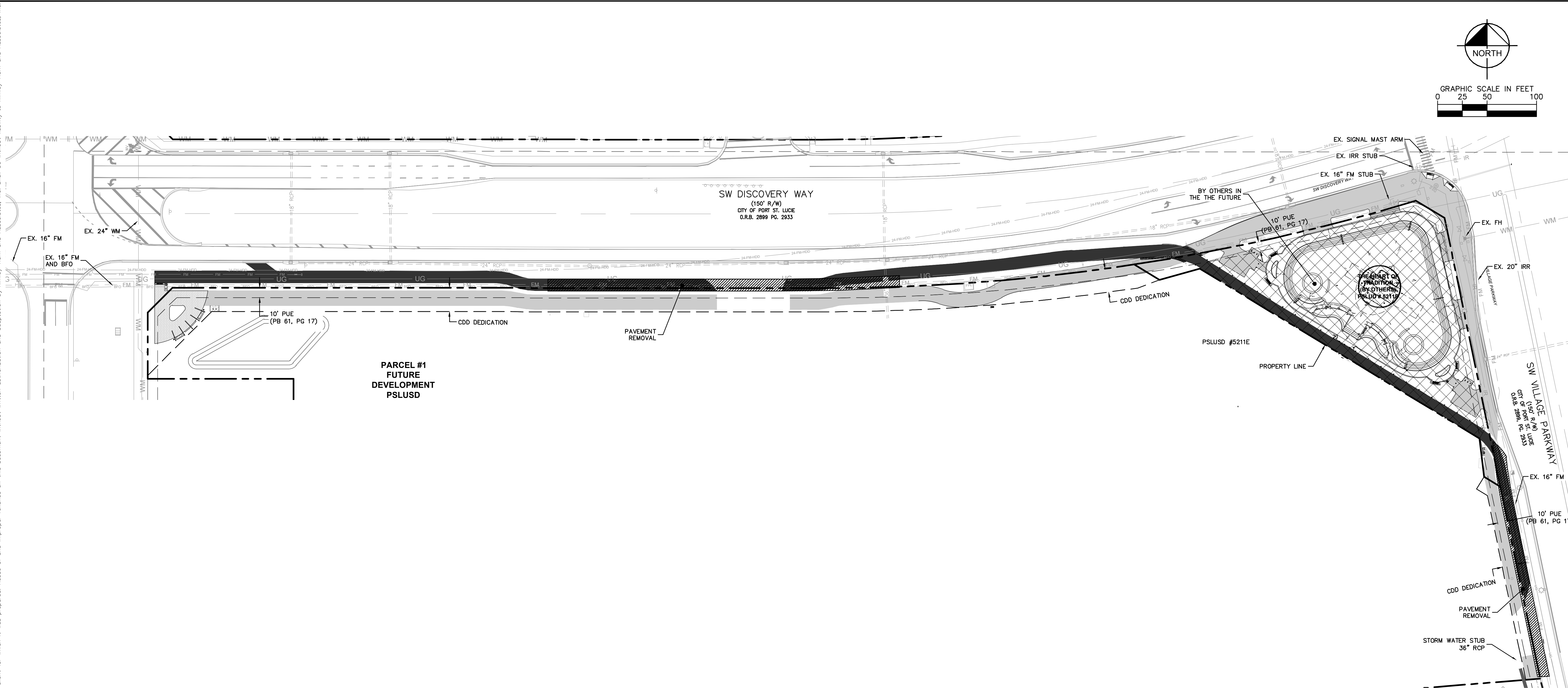


| | |
|-------------|-----------|
| KHA PROJECT | 147842000 |
| DATE | 8/18/2021 |
| SCALE | AS SHOWN |
| DESIGNED BY | DFD |
| DRAWN BY | DFD |
| CHECKED BY | CJH |

DEMOLITION PLAN

THE SHOPPES AT THE HEART OF TRADITION FOR BANYAN DEVELOPMENT
 SAINT LUCIE COUNTY FLORIDA
 SHEET NUMBER C-050

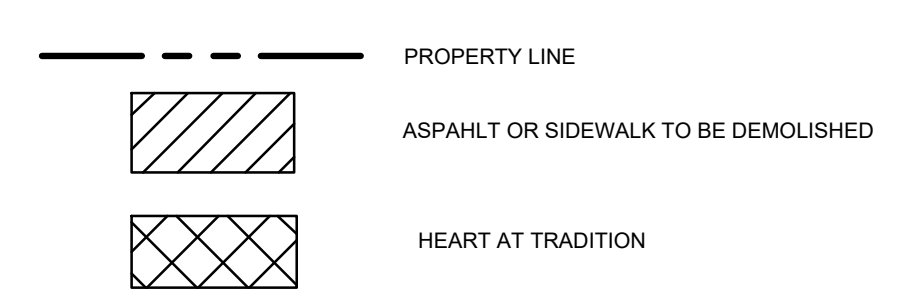
Plotted By: Anderson, Sarah Sheet: 147842000 - The Shoppes at the Heart of Tradition Layout: C-051 TIM PATH DEMOLITION PLAN - 147842000.dwg
 This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse or improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



DEMOLITION NOTES

1. THE INTENT OF THE DEMOLITION PLAN IS TO DEPICT ALL EXISTING FEATURES THAT ENCUMBER THE PROPOSED CONSTRUCTION AREA AND ARE SCHEDULED FOR REMOVAL. SOME INCIDENTAL ITEMS MAY HAVE BEEN INADVERTENTLY OMITTED FROM THE PLAN. THE CONTRACTOR IS ENCOURAGED TO THOROUGHLY INSPECT THE SITE AS WELL AS REVIEW THE PLANS AND SPECIFICATIONS PRIOR TO SUBMITTING PRICING. CONTRACTOR WILL NOT RECEIVE ADDITIONAL COMPENSATION FOR INCIDENTAL ITEMS NOT SHOWN ON THIS DEMOLITION PLAN.
2. THIS DEMOLITION PLAN IS BASED ON AVAILABLE UTILITY INFORMATION AND MAY OR MAY NOT BE ALL INCLUSIVE FOR THIS SITE. ANY UTILITIES ENCOUNTERED DURING DEMOLITION THAT ARE NOT DEPICTED/ADDRESSED ON THIS DRAWING SHOULD BE BROUGHT TO THE ATTENTION OF THE PROJECT ENGINEER IMMEDIATELY.
3. CONTRACTOR IS REQUIRED TO OBTAIN ALL DEMOLITION PERMITS.
4. ALL FEATURES IDENTIFIED ON THIS PLAN WHICH ARE LISTED TO BE DEMOLISHED ARE TO BE REMOVED FROM THE SITE. AFTER DEMOLITION IS COMPLETE THE SITE SHALL BE DELIVERED IN A CONDITION SUITABLE FOR DEVELOPMENT.
5. CONTRACTOR SHALL LIMIT ALL DEMOLITION ACTIVITIES TO THOSE AREAS DELINEATED ON THE CONSTRUCTION DRAWINGS UNLESS OTHERWISE DIRECTED BY THE DEVELOPER OR AS REQUIRED FOR CONSTRUCTION OF IMPROVEMENTS.
6. CONTRACTOR TO COORDINATE WITH ALL UTILITY OWNERS PRIOR TO DEMOLITION TO ENSURE SERVICES HAVE BEEN DISCONNECTED.
7. CONTRACTOR IS RESPONSIBLE FOR CONTROLLING AIRBORNE DUST AND POLLUTANTS BY USING WATER SPRINKLING OR OTHER SUITABLE MEANS OF CONTROL.
8. CONTRACTOR TO USE CARE IN HANDLING DEBRIS FROM SITE TO ENSURE THE SAFETY OF THE PUBLIC. HAUL ROUTE TO BE CLOSELY MONITORED FOR DEBRIS OR MATERIALS TRACKED ONTO ADJOINING ROADWAYS, SIDEWALKS, ETC. ROADWAYS AND WALKWAYS TO BE CLEARED DAILY OR AS NECESSARY TO MAINTAIN PUBLIC SAFETY.
9. DE-WATERING SHOULD BE ANTICIPATED AND INCLUDED.
10. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
11. WHERE REMAINING, INLETS, MANHOLE COVERS, AND VALVE COVERS TO BE PROTECTED IN PAVEMENT REMOVAL AREAS.
12. SEE SITE AND IMPROVEMENTS PLANS FOR LIMITS AND GRADING OF RESURFACED DRIVEWAYS AND ENTRANCES.
13. SEE LANDSCAPE PLAN FOR TREE REMOVAL/RELOCATION AND TREE PROTECTION.
14. SEE EROSION CONTROL PLAN FOR REMAINING INLET PROTECTION AND EROSION PREVENTION.
15. ALL ITEMS NOT CALLED OUT TO BE REMOVED SHALL BE PROTECTED IN PLACE.

LEGEND



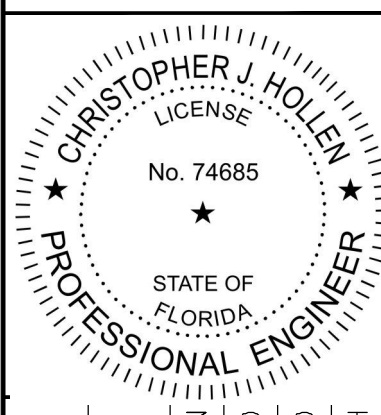
**Know what's below.
Call before you dig.**

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTORS SHOULD INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE.
 VERTICAL DATUM
 ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). SUBTRACT 1.57 FROM NAVD 29 ELEVATION TO GET THE NAVD 88 ELEVATION.

CITY OF PORT ST. LUCIE PROJECT # P21-239
 PSLUSD PROJECT # 5211E

| No. | REVISIONS | DATE | BY |
|-----|-----------|------|----|
| | | | |

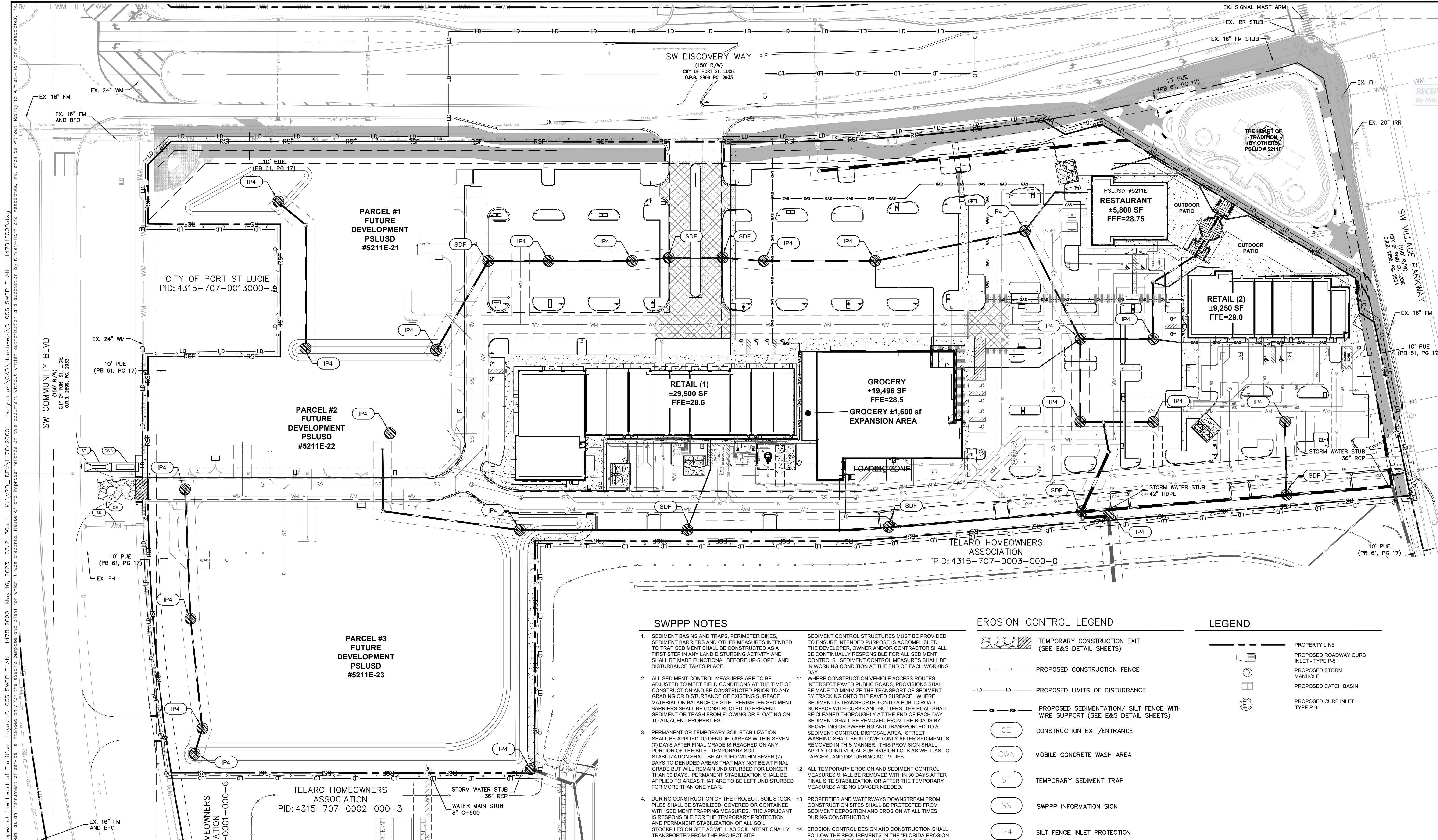
Kimley»Horn
 © 2023 KIMLEY-HORN AND ASSOCIATES, INC.
 445 24TH STREET, SUITE 200, VERO BEACH, FL 32960
 PHONE: 772-794-4100
 WWW.KIMLEY-HORN.COM REGISTRY NO. 35106



| | |
|-------------|-----------|
| KHA PROJECT | 147842000 |
| DATE | 8/18/2021 |
| SCALE | AS SHOWN |
| DESIGNED BY | DFD |
| DRAWN BY | DFD |
| CHECKED BY | CJH |

**TIM PATH
DEMOLITION PLAN**

**THE SHOPPES AT THE
HEART OF TRADITION
FOR
BANYAN DEVELOPMENT**
 SAINT LUCIE COUNTY FLORIDA
 SHEET NUMBER
C-051



Plotted By: Anderson, Sarah - Sheet Set: 147842000 - The Shoppes at the Heart of Tradition - 147842000 - May 16, 2023. 03:21:36pm K:\VRB-DEV\147842000 - banyan ps\CAD\plansheets\C-055 SWPP PLAN - 147842000.dwg
 This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

SWPPP NOTES

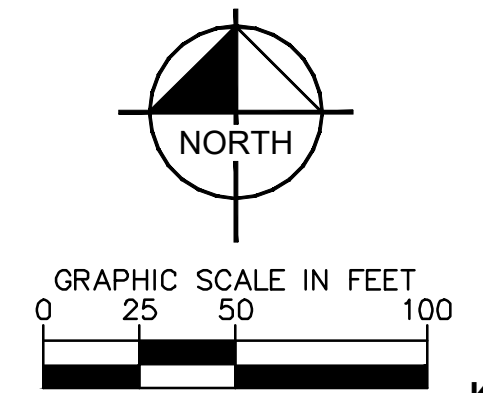
- SEDIMENT BASINS AND TRAPS, PERIMETER DIKES, SEDIMENT BARRIERS AND OTHER MEASURES INTENDED TO TRAP SEDIMENT SHALL BE CONSTRUCTED AS A FIRST STEP IN ANY LAND DISTURBING ACTIVITY AND SHALL BE MADE FUNCTIONAL BEFORE UP-SLOPE LAND DISTURBANCE TAKES PLACE.
- ALL SEDIMENT CONTROL MEASURES ARE TO BE ADJUSTED TO MEET FIELD CONDITIONS AT THE TIME OF CONSTRUCTION AND BE CONSTRUCTED PRIOR TO ANY GRADING OR DISTURBANCE OF EXISTING SURFACE MATERIAL ON BALANCE OF SITE. PERIMETER SEDIMENT BARRIERS SHALL BE CONSTRUCTED TO PREVENT SEDIMENT OR TRASH FROM FLOWING OR FLOATING ON TO ADJACENT PROPERTIES.
- PERMANENT OR TEMPORARY SOIL STABILIZATION SHALL BE APPLIED TO DENUDED AREAS WITHIN SEVEN (7) DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE. TEMPORARY SOIL STABILIZATION SHALL BE APPLIED WITHIN SEVEN (7) DAYS TO DENUDED AREAS THAT MAY NOT BE AT FINAL GRADE BUT WILL REMAIN UNDISTURBED FOR LONGER THAN 30 DAYS. PERMANENT STABILIZATION SHALL BE APPLIED TO AREAS THAT ARE TO BE LEFT UNDISTURBED FOR MORE THAN ONE YEAR.
- DURING CONSTRUCTION OF THE PROJECT, SOIL STOCK PILES SHALL BE STABILIZED, COVERED OR CONTAINED WITH SEDIMENT TRAPPING MEASURES. THE APPLICANT IS RESPONSIBLE FOR THE TEMPORARY PROTECTION AND PERMANENT STABILIZATION OF ALL SOIL STOCKPILES ON SITE AS WELL AS SOIL INTENTIONALLY TRANSPORTED FROM THE PROJECT SITE.
- A PERMANENT VEGETATIVE COVER SHALL BE ESTABLISHED ON DENUDED AREAS NOT OTHERWISE PERMANENTLY STABILIZED.
- AFTER ANY SIGNIFICANT RAINFALL, SEDIMENT CONTROL STRUCTURES WILL BE INSPECTED FOR INTEGRITY. ANY DAMAGED DEVICES SHALL BE CORRECTED.
- CONCENTRATED RUNOFF SHALL NOT FLOW DOWN CUT OR FILL SLOPES UNLESS CONTAINED WITHIN AN ADEQUATE TEMPORARY OR PERMANENT CHANNEL, FLUME, SLOPE DRAIN STRUCTURE OR APPROVED CONTROL.
- SEDIMENT WILL BE PREVENTED FROM ENTERING ANY STORM WATER SYSTEM, DITCH OR CHANNEL. ALL STORM WATER INLETS THAT ARE MADE OPERABLE DURING CONSTRUCTION SHALL BE PROTECTED SO THAT SEDIMENT-LADEN WATER CANNOT ENTER THE CONVEYANCE SYSTEM WITHOUT FIRST BEING FILTERED OR OTHERWISE TREATED TO REMOVE SEDIMENT.
- WHEN WORK IN A LIVE WATERCOURSE IS PERFORMED, PRECAUTIONS SHALL BE TAKEN TO MINIMIZE ENCROACHMENT, CONTROL SEDIMENT TRANSPORT AND STABILIZE THE WORK AREA TO THE GREATEST EXTENT POSSIBLE DURING CONSTRUCTION.
- PERIODIC INSPECTION AND MAINTENANCE OF ALL
- SEDIMENT CONTROL STRUCTURES MUST BE PROVIDED TO ENSURE INTENDED PURPOSE IS ACCOMPLISHED. THE DEVELOPER, OWNER AND/OR CONTRACTOR SHALL BE CONTINUALLY RESPONSIBLE FOR ALL SEDIMENT CONTROLS. SEDIMENT CONTROL MEASURES SHALL BE IN WORKING CONDITION AT THE END OF EACH WORKING DAY.
- WHERE CONSTRUCTION VEHICLE ACCESS ROUTES INTERSECT PAVED PUBLIC ROADS, PROVISIONS SHALL BE MADE TO MINIMIZE THE TRANSPORT OF SEDIMENT BY TRACKING ONTO THE PAVED SURFACE. WHERE SEDIMENT IS TRANSPORTED ONTO A PUBLIC ROAD SURFACE WITH CURBS AND GUTTERS, THE ROAD SHALL BE CLEANED THOROUGHLY AT THE END OF EACH DAY. SEDIMENT SHALL BE REMOVED FROM THE ROADS BY SHOVELING OR SWEEPING AND TRANSPORTED TO A SEDIMENT CONTROL DISPOSAL AREA. STREET WASHING SHALL BE ALLOWED ONLY AFTER SEDIMENT IS REMOVED IN THIS MANNER. THIS PROVISION SHALL APPLY TO INDIVIDUAL SUBDIVISION LOTS AS WELL AS TO LARGER LAND DISTURBING ACTIVITIES.
- ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED.
- PROPERTIES AND WATERWAYS DOWNSTREAM FROM CONSTRUCTION SITES SHALL BE PROTECTED FROM SEDIMENT DEPOSITION AND EROSION AT ALL TIMES DURING CONSTRUCTION.
- EROSION CONTROL DESIGN AND CONSTRUCTION SHALL FOLLOW THE REQUIREMENTS IN THE "FLORIDA EROSION AND SEDIMENT CONTROL MANUAL" AND COUNTY PERMITS.
- CONTRACTOR IS RESPONSIBLE FOR ALL SURFACE WATER DISCHARGES, RAINFALL RUN OFF OR DEWATERING ACTIVITIES.
- CONTRACTOR MUST INCORPORATE ALL BMP'S NECESSARY TO MEET OR EXCEED STATE WATER QUALITY AND SWPPP REQUIREMENTS. THE POLLUTION PREVENTION PLAN IS A MINIMUM GUIDELINE ONLY. ADDITIONAL BMP'S MAY BE NECESSARY AT CONTRACTOR'S EXPENSE.
- NOI TO BE POSTED ON SITE.

EROSION CONTROL LEGEND

- TEMPORARY CONSTRUCTION EXIT (SEE E&S DETAIL SHEETS)
- PROPOSED CONSTRUCTION FENCE
- PROPOSED LIMITS OF DISTURBANCE
- PROPOSED SEDIMENTATION/ SILT FENCE WITH WIRE SUPPORT (SEE E&S DETAIL SHEETS)
- CONSTRUCTION EXIT/ENTRANCE
- MOBILE CONCRETE WASH AREA
- TEMPORARY SEDIMENT TRAP
- SWPPP INFORMATION SIGN
- SILT FENCE INLET PROTECTION
- SOCK DRAIN INLET SEDIMENT FILTER
- INLET PROTECTION

LEGEND

- PROPERTY LINE
- PROPOSED ROADWAY CURB INLET - TYPE P-5
- PROPOSED STORM MANHOLE
- PROPOSED CATCH BASIN
- PROPOSED CURB INLET TYPE P-9



THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTORS SHOULD INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE.

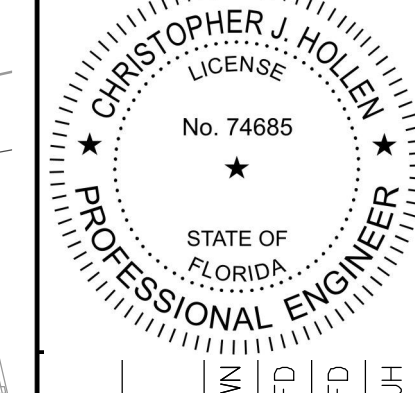
VERTICAL DATUM
ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). SUBTRACT 1.55' FROM NAVD 29 ELEVATION TO GET THE NAVD 88 ELEVATION.

CITY OF PORT ST. LUCIE PROJECT # P21-239
PSLUSD PROJECT # 5211E

| NO. | REVISIONS | DATE | BY |
|-----|-----------|------|----|
| | | | |

Kimley»Horn

© 2023 KIMLEY-HORN AND ASSOCIATES, INC.
445 24TH STREET, SUITE 200, VERO BEACH, FL 32960
PHONE: 772-794-4100
WWW.KIMLEY-HORN.COM
REGISTRY NO. 35106



| | |
|-------------|-----------|
| KHA PROJECT | 147842000 |
| DATE | 8/18/2021 |
| SCALE | AS SHOWN |
| DESIGNED BY | DFD |
| DRAWN BY | DFD |
| CHECKED BY | CJH |

SWPP PLAN

THE SHOPPES AT THE HEART OF TRADITION FOR BANYAN DEVELOPMENT

SAINT LUCIE COUNTY FLORIDA

SHEET NUMBER **C-055**

Plotted By: Anderson, Sarah - Sheet: Sct:147842000 - The Shoppes at the Heart of Tradition - L04041C-056 SWPPP DETAILS - 147842000 - MAY 16, 2023 - 03:21:45pm - K:\VIB-LOEVA\147842000 - banyan-ps\CAD\plansheets\C-056 SWPPP DETAILS - 147842000.dwg
 This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse or improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

| | | |
|-----------|--|---|
| Section 1 | Project Name and location information: | Thompson Truitt, located southeast of the intersection of Tradition Parkway and SW Community Boulevard in Port Saint Lucie, FL Southern Grove Flat No. 21. |
| Section 2 | Describe the nature of the construction activity: | Multifamily Residential Subdivision |
| Section 3 | Describe the intended sequence of major soil disturbing activities: | <ul style="list-style-type: none"> • 0-2 days, site prep and stabilized construction entrance; • 3-4 days, install perimeter sediment and erosion controls; • 4-30 days, install stormwater retention basin; • 5-7 days, clearing and grubbing over all areas; • 7-30 days, site grading; • 30-70 days, install storm sewer and utilities; • 70-90 days, stabilize site. |
| Section 4 | Total area of the site: | More or less 17.53 Acres |
| Section 5 | Total area of the site to be disturbed: | More or less 17.53 Acres |
| Section 6 | Existing data describing the soil or quality of any stormwater discharge from the site: | Based on USDA published soil data, Fined sand, Wabasso sand, and Windier sand make up the existing soil types for the site. The proposed development is within the bounds of the Southern Grove master stormwater environmental resource permit (56-02531-F) and shall adhere to the conditions of this permit. |
| Section 7 | Estimate the drainage area size for each discharge point: | Approximately 17.53 Acres |
| Section 8 | Latitude and longitude of each discharge point and identify the receiving water or MS4 for each discharge point: | The proposed site will discharge to the master wet pond system of the MXD-2 basin of ERF 56-02531-F. The drainage outfall structure is proposed near the northeast corner of the site. |
| Section 9 | Give a detailed description of all controls, Best Management Practices (BMPs) and measures that will be implemented at the construction site for each activity identified in the intended sequence of major soil disturbing activities. Provide time frames in which the controls will be implemented. NOTE: All controls shall be consistent with performance standards for erosion and sediment control and stormwater treatment set forth in a 62-40.432, F.A.C., the applicable Stormwater or Environmental Resource Permitting requirements of the Department or a Water Management District, and the guidelines contained in the State of Florida Erosion and Sediment Control Designer and Reviewer Manual, FDOT, FDEP, and any subsequent amendments. | |

| | | |
|------------|---|--|
| Section 10 | Describe all temporary and permanent stabilization practices. Stabilization practices include temporary seeding, mulching, permanent seeding, geotextiles, sod stabilization, vegetative buffer strips, protection of trees, vegetative preservations, etc. | <ul style="list-style-type: none"> • Prior to clearing, a silt fence shall be installed around the perimeter of the site. • A construction entrance shall be installed to minimize sediment tracking both on and off site. • All existing inlets and outfalls shall be protected from erosion and sediment runoff through the use of filter fabric and properly installed inlet filters. After initial site grading work, all proposed inlets and outfalls, once installed, shall be protected from erosion and sediment controls through the methods mentioned previously. • Disturbed portions of the site where construction activities have permanently ceased shall be stabilized with sod or other permanent stabilization methods no later than 7 days after the last construction activity. Seeding shall be the same as in temporary seeding. • All installation shall be commenced as depicted on the attached SWPPP Plan and SWPPP Details sheets. |
| Section 11 | Describe all structural controls to be implemented to divert stormwater flow from exposed soils and structural practices to store flows, retain sediment on-site or in any other way limit stormwater runoff. These controls include silt fences, earth dikes, diversions, swales, sediment traps, check dams, subsurface drains, pipe slope drains, level spreaders, storm drain inlet protection, rock outlet protection, reinforced soil retaining systems, gabions, coagulating agents and temporary or permanent sediment basins. | <ul style="list-style-type: none"> • Temporary seeding shall be appropriate ground cover, up to the discretion of the contractor, depending upon the season of installation that is applied at manufacturer's recommendations to any disturbed areas that are inactive more than 7 days. • Sod shall be used to stabilize the sides of retention and detention basins. • Mulching practices and sod shall be applied to the parking lot island. • Filter fabric shall be placed under the construction entrance / exit. • Vegetative buffers shall be left undisturbed along the boundaries of the property, with the exceptions of exotic vegetation removal. |
| Section 12 | Describe all sediment basins to be implemented for areas that will disturb 10 or more acres at one time. The sediment basins (or an equivalent alternative) should be able to provide 3,600 cubic feet of storage for each acre drained. Temporary sediment basins (or an equivalent alternative) are recommended for drainage areas under 10 acres. | <ul style="list-style-type: none"> • An on-site dry pond facility is proposed in order to provide the dry pre-treatment for the proposed development, before discharging to the master wet pond system of the MXD-2 basin of ERF 56-02531-F. In addition, a wet pond expansion is proposed for the existing wet pond located within PCN 4315-609-0001-000-5 in order to assist in achieving the permitted wet pond acreage identified in the master ERF permit. |
| Section 13 | Describe all permanent stormwater management controls such as, but not limited to, detention or retention systems or vegetated swales that will be installed during the construction process. | |
| Section 14 | Waste disposal, this may include construction debris, chemicals, litter, and sanitary wastes: | All construction materials and debris will be placed in a dumpster and hauled off site to a landfill or other proper disposal site. No materials will be buried on site. |
| Section 15 | Offsite vehicle tracking from construction entrances/exits: | Off site vehicle tracking of sediments and dust generation will be minimized via a rock construction entrance, street sweeping and the use of water to keep dust down. |
| Section 16 | The proper application rates of all fertilizers, herbicides and pesticides used at the construction site: | Florida-friendly fertilizers and pesticides will be used at a minimum and in accordance with the manufacturer's suggested application rates. |
| Section 17 | The storage, application, generation and migration of all toxic substances: | All paints and other chemicals will be stored in a locked covered shed. |
| Section 18 | Other: | Post-vents will be placed away from storm sewer systems, storm inlet(s), surface waters and wetlands. No vehicle maintenance shall be conducted on-site. A washdown area shall be designated at all times and will not be located in any area that will allow for the discharge of polluted runoff. |
| Section 19 | Provide a detailed description of the maintenance plan for all structural and non-structural controls to assure that they remain in good and effective operating condition. | |

| | | |
|------------|--|--|
| Section 20 | Inspections: Describe the inspection and inspection documentation procedures, as required by the FDEP NPDES Generic Permit for Stormwater Discharge from Large and Small Construction Activities. | <ul style="list-style-type: none"> • Contractor shall provide routine maintenance of permanent and temporary sediment and erosion control features in accordance with the technical specifications or as follows, whichever is more stringent: • Silt fence shall be inspected at least weekly. Any required repairs shall be made immediately. Sediment deposits shall be removed when they reach approximately one-half the height of the basins. • Maintenance shall be performed on the rock entrance when any void spaces are full of sediment. • Inlet(s)/outfalls shall be inspected immediately after each rain event and any required repairs to the filter inlets, silt fence, or filter fabric shall be performed immediately. • Bare areas of the site that were previously seeded shall be reseeded per manufacturer's instructions. • Mulch and sod that has been washed out shall be replaced immediately. • Maintain all other areas of the site with proper controls as necessary. |
| Section 21 | Identify and describe all sources of non-stormwater discharges as allowed by the FDEP NPDES Generic Permit for Stormwater Discharge from Large and Small Construction Activities. | It is expected that the following non-stormwater discharges may occur from the site during the construction period: wash water (where no spills or leaks of toxic or hazardous materials have occurred), and uncontaminated groundwater (from possible necessary dewatering excavations). If necessary, dewatering shall be done in accordance with the requirements of the SFWMD Water Use Permit. If such discharges do occur, they will be directed to the temporary sediment basin prior to discharge. Turbid water from the stormwater pond shall be treated so as to not allow a discharge of polluted stormwater. Treatment can include fences, settling ponds, the proper use of flocculating agents or other appropriate means. |
| Section 22 | All contractor(s) and subcontractor(s) identified in the SWPPP must sign the following 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." |

| | | |
|------------|--|--|
| Section 23 | Qualified personnel will inspect all points of discharge, all disturbed areas of construction that have not been stabilized, constructed areas and locations where vehicles enter and exit the site, and all BMPs at least once every 7 calendar days and within 24 hours of the end of a rainfall event that is 0.5 inches or greater. Where sites have been finally stabilized, said inspections shall be conducted at least once every month until the Notice of Termination is filed. | |
| Section 24 | Identify and describe all sources of non-stormwater discharges as allowed by the FDEP NPDES Generic Permit for Stormwater Discharge from Large and Small Construction Activities. | |
| Section 25 | All contractor(s) and subcontractor(s) identified in the SWPPP must sign the following certification: | |

CHAPTER 4: BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENTATION CONTROL

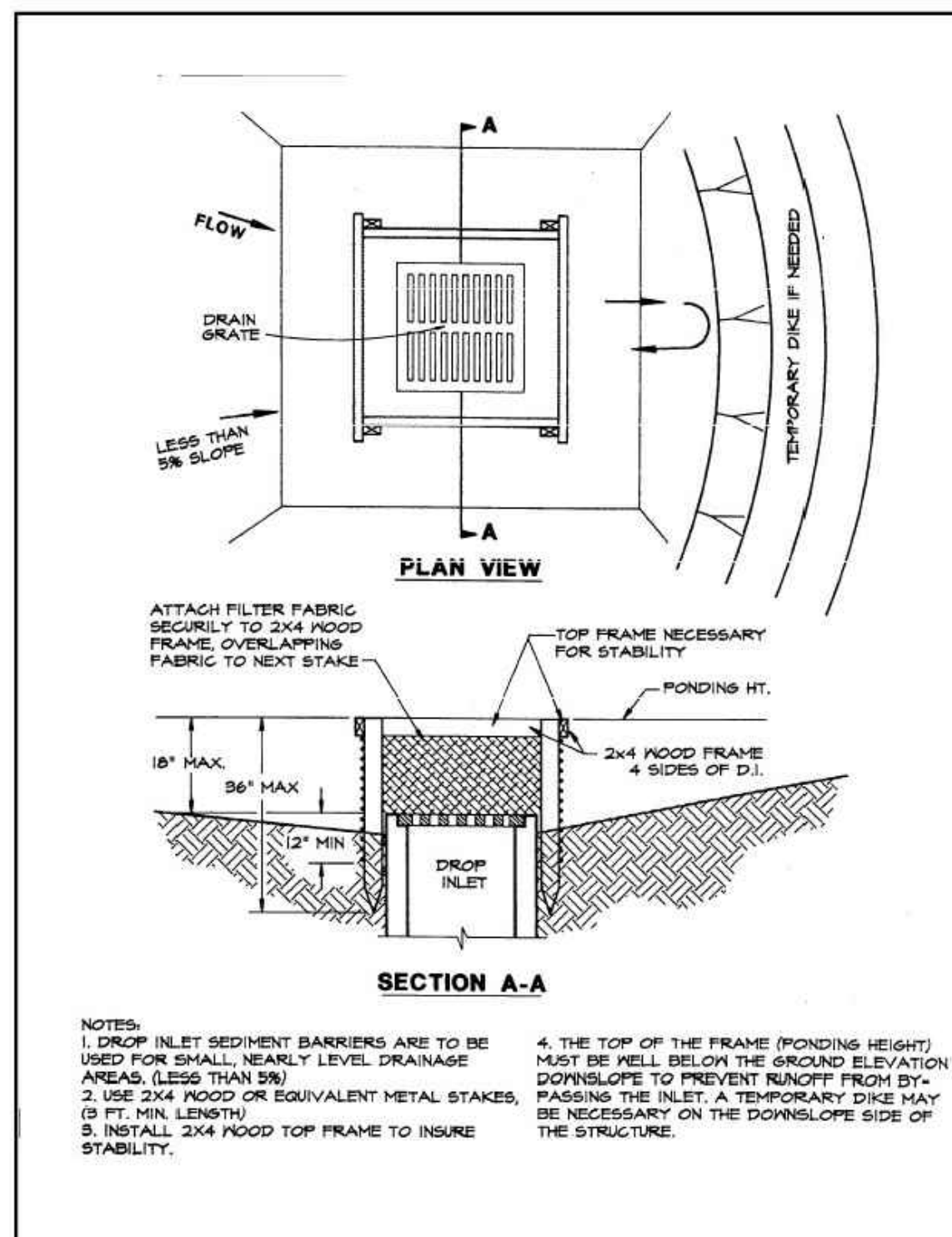


Figure 4.5a. Silt Fence Drop Inlet Sediment Barrier
Source: Erosion Draw

STATE OF FLORIDA EROSION & SEDIMENT CONTROL - DESIGNER & REVIEWER MANUAL

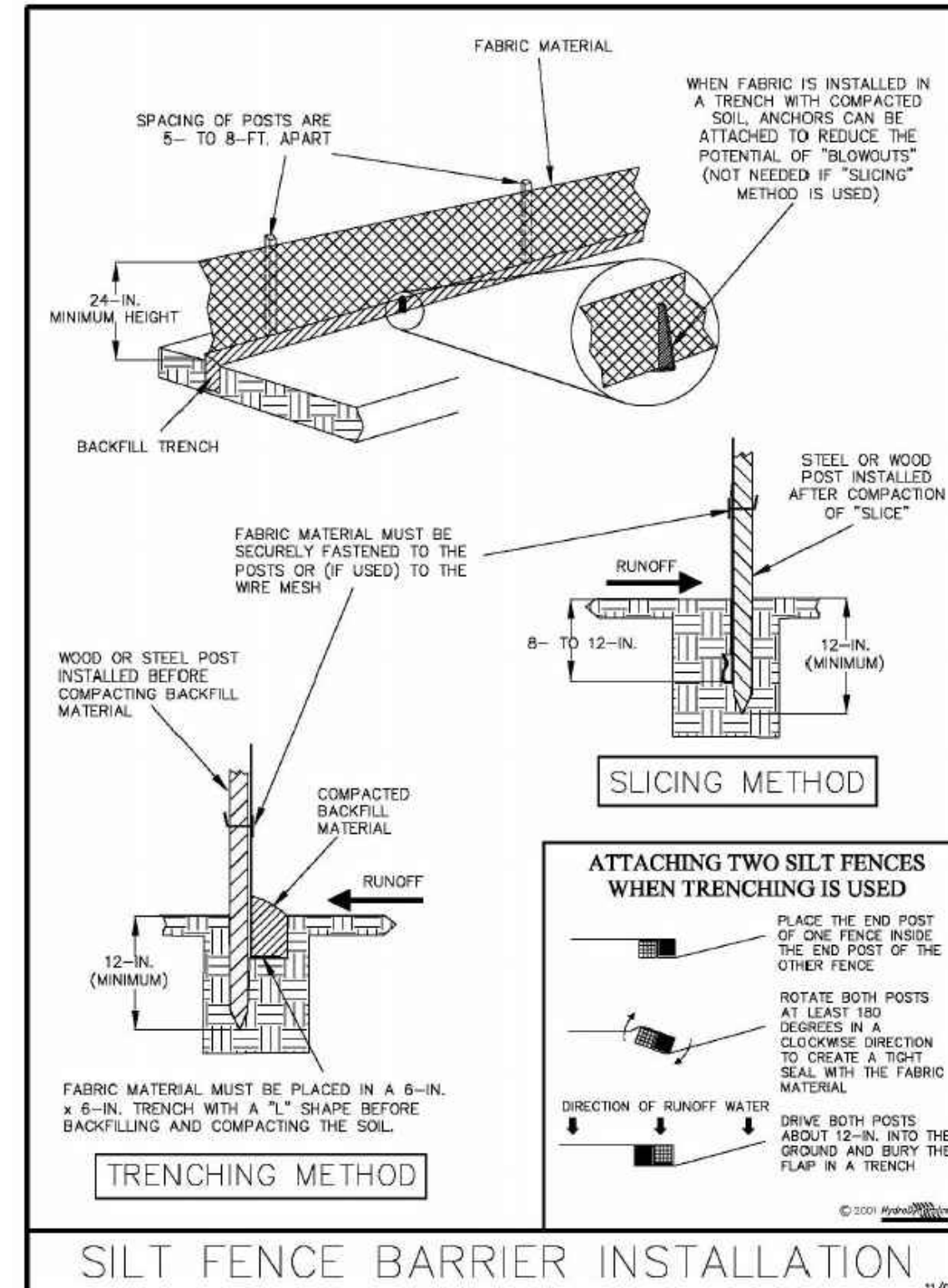


Figure V-40: Illustration of a Silt Fence Barrier

Permission is given by HydrDynamics Incorporated to copy and reproduce this detail.

STATE OF FLORIDA EROSION & SEDIMENT CONTROL - DESIGNER & REVIEWER MANUAL

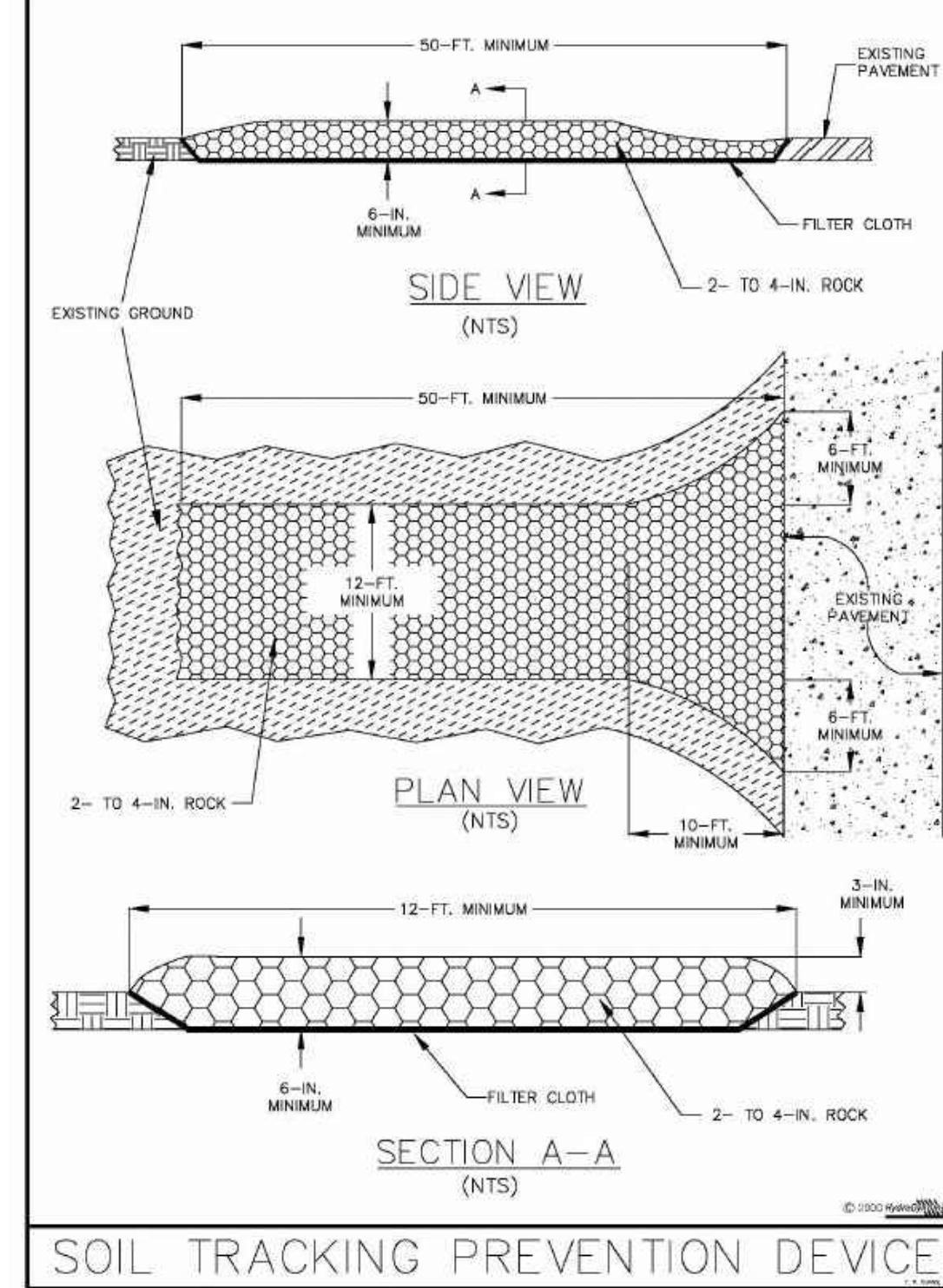
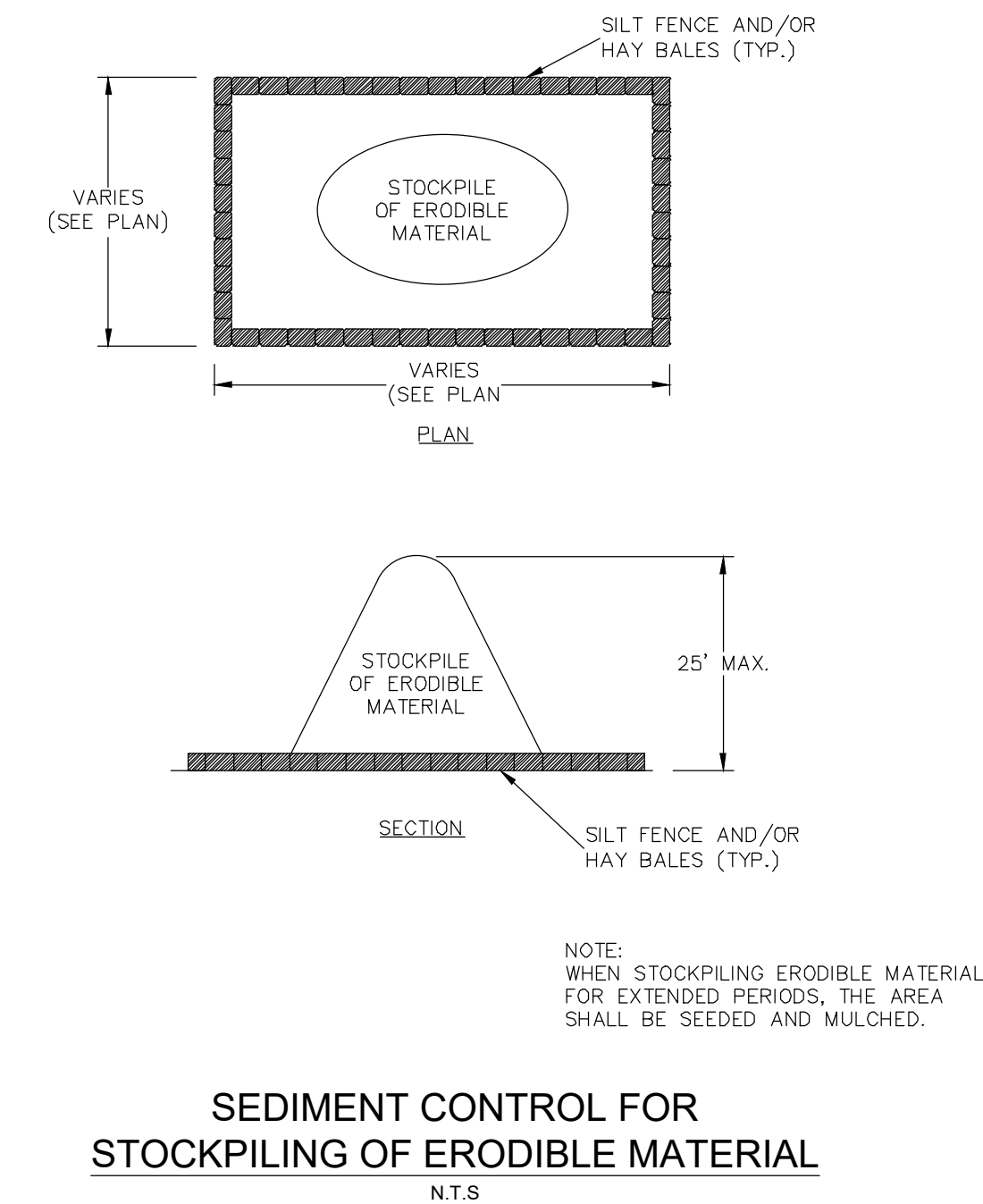


Figure V-52: Illustration of a Soil Tracking Prevention Device

Permission is given by HydrDynamics Incorporated to copy and reproduce this detail.



SEDIMENT CONTROL FOR STOCKPILING OF ERODIBLE MATERIAL
N.T.S.

RECEIVED
By Mdc11 at 10:38 am, May 18, 2023

| | | | |
|-----|-----------|------|----|
| NO. | REVISIONS | DATE | BY |
| | | | |
| | | | |
| | | | |

Kimley»Horn
 © 2023 KIMLEY-HORN AND ASSOCIATES, INC.
 445 24TH STREET, SUITE 200, VERO BEACH, FL 32960
 PHONE: 772-794-4100
 WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

CHRISTOPHER J. HOLLEN
 LICENSE
 No. 74685
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER

KHA PROJECT
 147842000
 DATE
 8/18/2021
 SCALE AS SHOWN
 DESIGNED BY DFD
 DRAWN BY DFD
 CHECKED BY C/JH

SWPP DETAILS

THE SHOPPES AT THE HEART OF TRADITION
 FOR BANYAN DEVELOPMENT
 SAINT LUCIE COUNTY FLORIDA

SHEET NUMBER
C-056

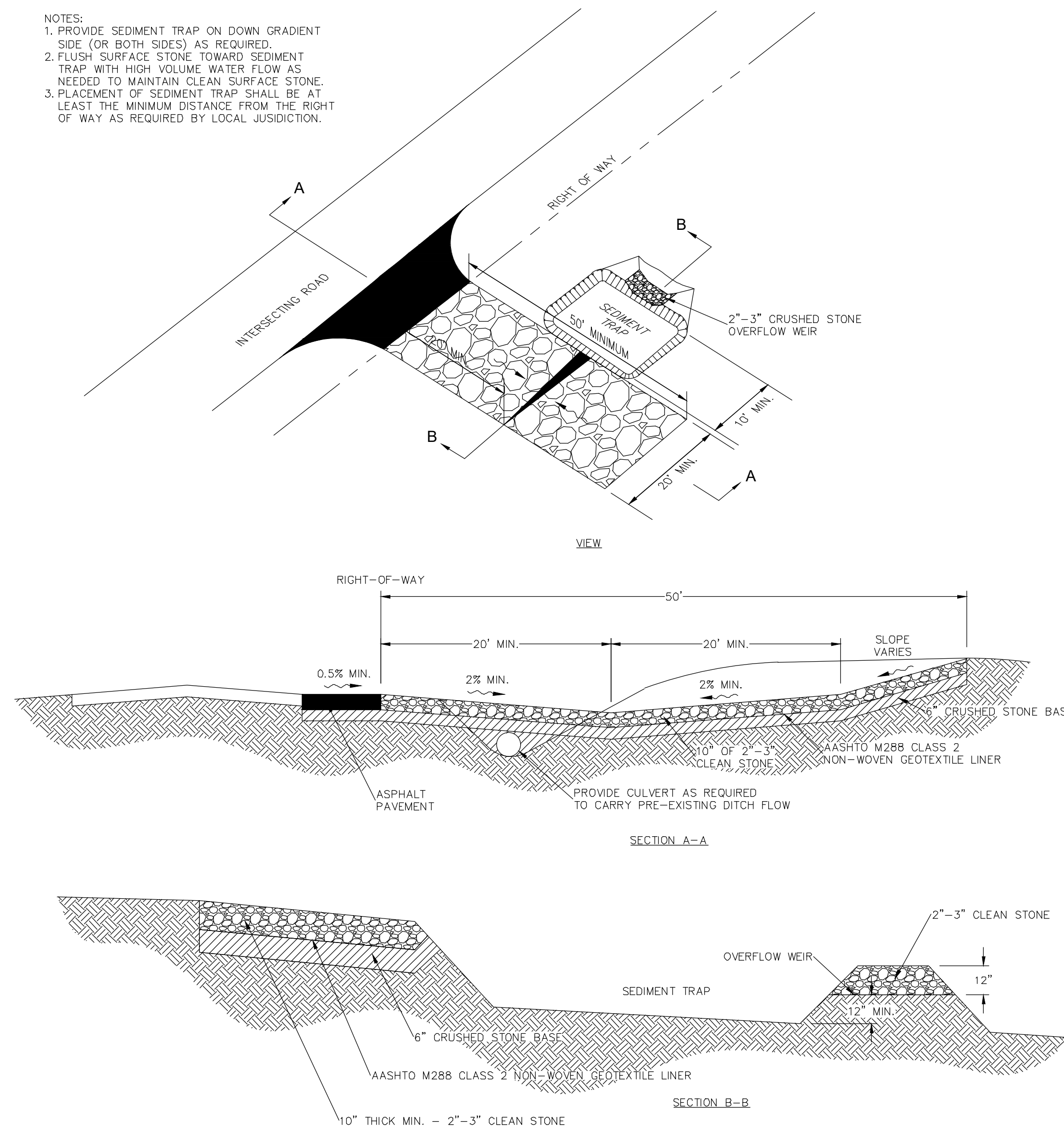
811
 Know what's below.
 Call before you dig.
 CITY OF PORT ST. LUCIE PROJECT # P21-239
 PLSUD PROJECT # 5211E

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTORS SHOULD INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE.

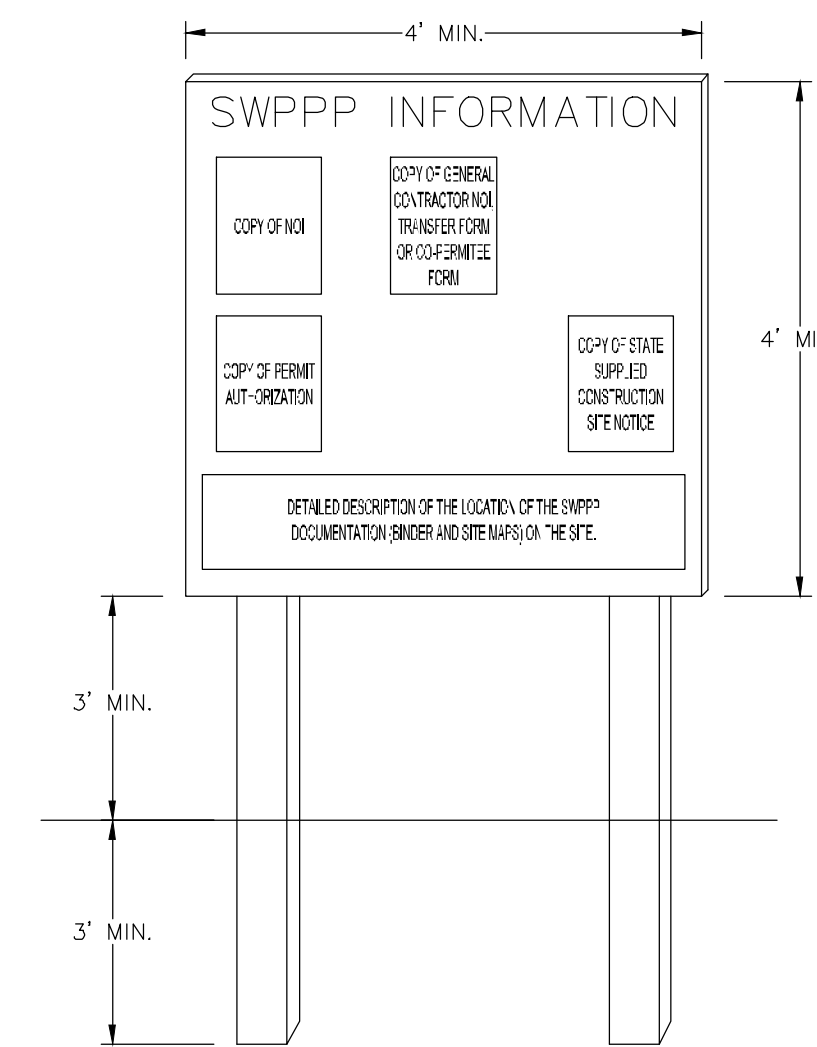
VERTICAL DATUM
 ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88), SUBTRACT 1.557 FROM NAVD 29 ELEVATION TO GET THE NAVD 88 ELEVATION.

Plotted By: Anderson, Sarah - Sheet Set: 147842000 - The Shoppes at the Heart of Tradition - Layout: C-057 SWPPP DETAILS - 147842000 - May 16, 2023 - 03:21:50pm - K:\ARB-LOEVA\147842000 - banyan ps\CAD\plansheets\C-056 SWPPP DETAILS - 147842000.dwg
 This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

- NOTES:
 1. PROVIDE SEDIMENT TRAP ON DOWN GRADIENT SIDE (OR BOTH SIDES) AS REQUIRED.
 2. FLUSH SURFACE STONE TOWARD SEDIMENT TRAP WITH HIGH VOLUME WATER FLOW AS NEEDED TO MAINTAIN CLEAN SURFACE STONE.
 3. PLACEMENT OF SEDIMENT TRAP SHALL BE AT LEAST THE MINIMUM DISTANCE FROM THE RIGHT OF WAY AS REQUIRED BY LOCAL JURISDICTION.



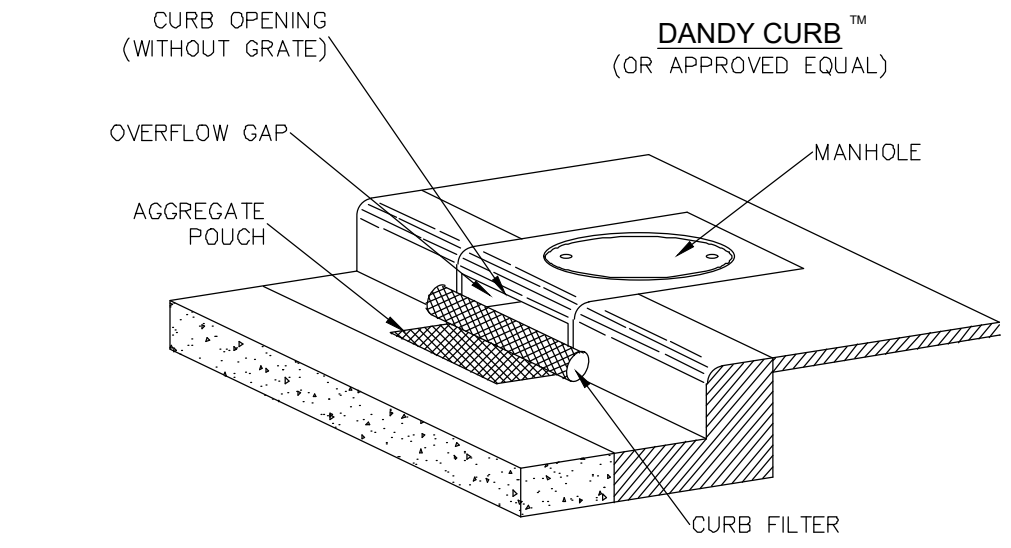
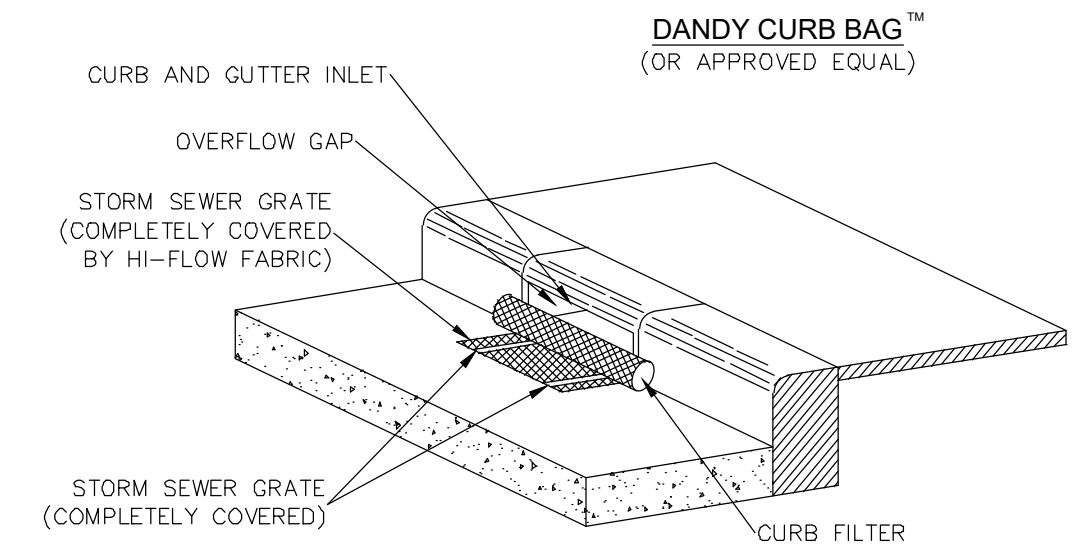
CONSTRUCTION EXIT/ENTRANCE
N.T.S



SWPPP INFORMATION SIGN
N.T.S

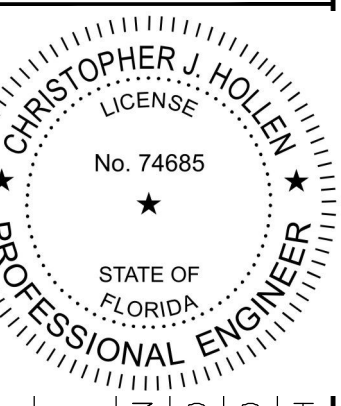
- NOTES:
 1. "SWPPP INFORMATION" MUST BE DISPLAYED PROMINENTLY ACROSS THE TOP OF THE SIGN, AS SHOWN IN THE DETAIL.
 2. SIGN TO BE CONSTRUCTED OF A RIGID MATERIAL, SUCH AS PLYWOOD OR OUTDOOR SIGN BOARD. SIGN MUST BE CONSTRUCTED IN A MANNER TO PROTECT DOCUMENTS FROM DAMAGE DUE TO WEATHER (WIND, SUN, MOISTURE, ETC.).
 3. THE SWPPP INFORMATION SIGN MUST BE LOCATED NEAR THE ENTRANCE/EXIT OF THE SITE, SUCH THAT IT IS ACCESSIBLE/VIEWABLE BY THE GENERAL PUBLIC, BUT NOT OBSTRUCTING VIEWS AS TO CAUSE A SAFETY HAZARD.
 4. ALL POSTED DOCUMENTS MUST BE MAINTAINED IN A CLEARLY READABLE CONDITION AT ALL TIMES THROUGHOUT CONSTRUCTION AND UNTIL THE NOTICE-OF-TERMINATION (NOT) IS FILED FOR THE PERMIT.
 5. CONTRACTOR SHALL POST OTHER STORM WATER AND/OR EROSION AND SEDIMENT CONTROL RELATED PERMITS ON THE SIGN AS REQUIRED BY THE LOCAL AGENCY.
 6. SIGN SHALL BE LOCATED OUTSIDE OF PUBLIC RIGHT-OF-WAY AND EASEMENTS UNLESS APPROVED BY THE GOVERNING AGENCY.
 7. CONTRACTOR IS RESPONSIBLE FOR ENSURING STABILITY OF THIS SWPPP INFORMATION SIGN.

RECEIVED
 By Mdc11 at 10:39 am, May 18, 2023



CURB INLET SEDIMENT CONTROL
N.T.S

Kimley»Horn
 © 2023 KIMLEY-HORN AND ASSOCIATES, INC.
 445 24TH STREET, SUITE 200, VERO BEACH, FL 32960
 PHONE: 772-794-4100
 WWW.KIMLEY-HORN.COM REGISTRY NO. 35106



KHA PROJECT
 147842000
 DATE
 8/18/2021
 SCALE AS SHOWN
 DESIGNED BY DFD
 DRAWN BY DFD
 CHECKED BY C/JH

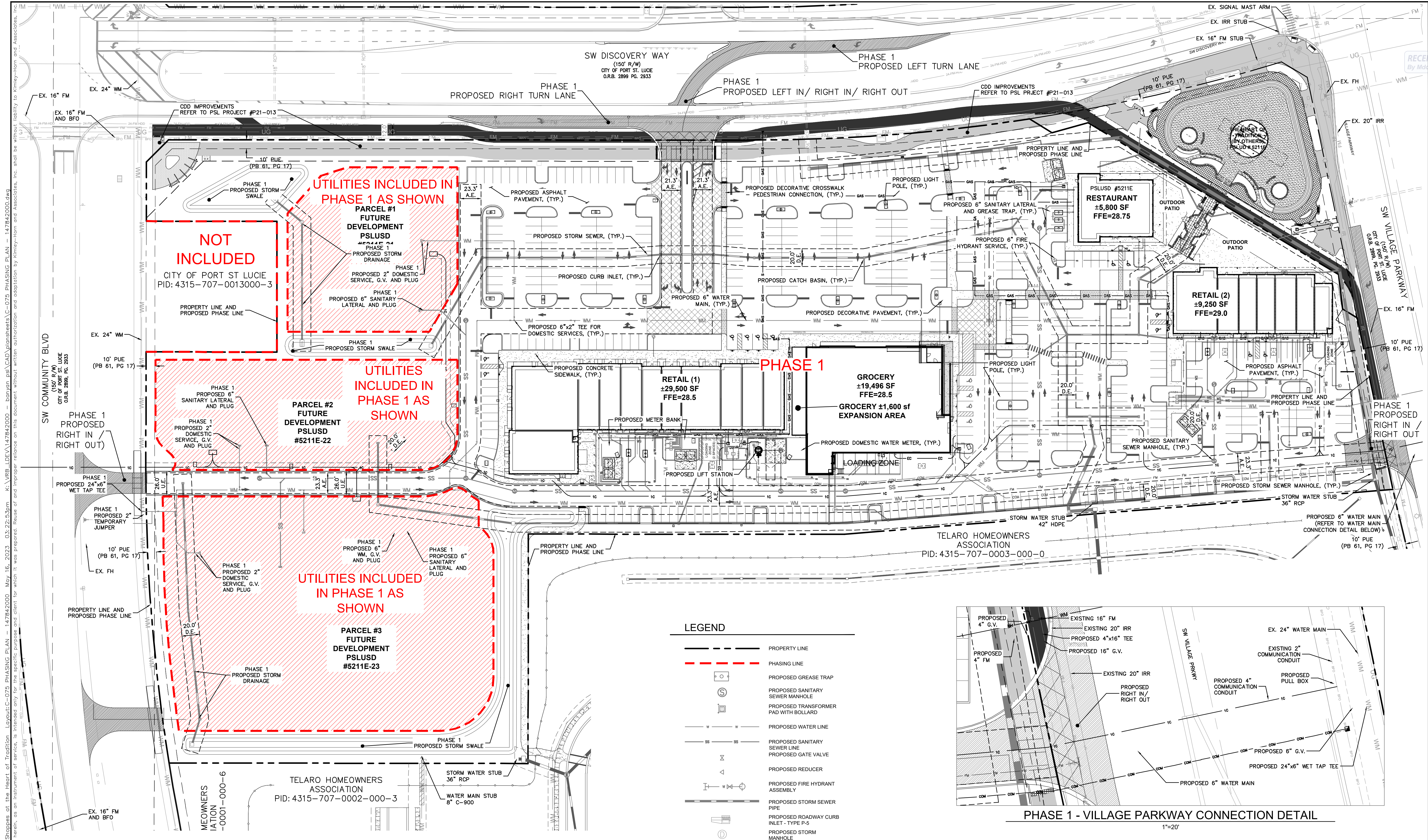
SWPPP DETAILS

THE SHOPPES AT THE
 HEART OF TRADITION
 FOR
 BANYAN DEVELOPMENT
 SAINT LUCIE COUNTY FLORIDA

SHEET NUMBER
C-057

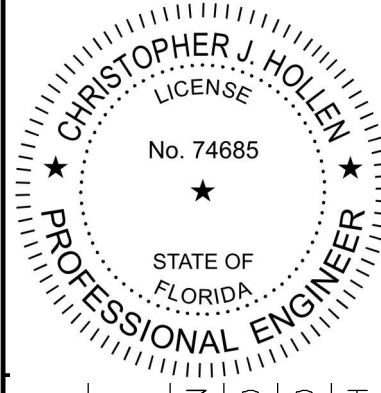
THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTORS BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE.
 VERTICAL DATUM
 ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). SUBTRACT 1.57' FROM NAVD 29 ELEVATION TO GET THE NAVD 88 ELEVATION.

811
 Know what's below.
 Call before you dig.
 CITY OF PORT ST. LUCIE PROJECT #
 P21-239
 PLSUSD PROJECT #
 5211E



| NO. | REVISIONS | DATE | BY |
|-----|-----------|------|----|
| | | | |

Kimley»Horn
 © 2023 KIMLEY-HORN AND ASSOCIATES, INC.
 445 24TH STREET, SUITE 200, VERO BEACH, FL 32960
 PHONE: 772-794-4100
 WWW.KIMLEY-HORN.COM
 REGISTRY NO. 35106

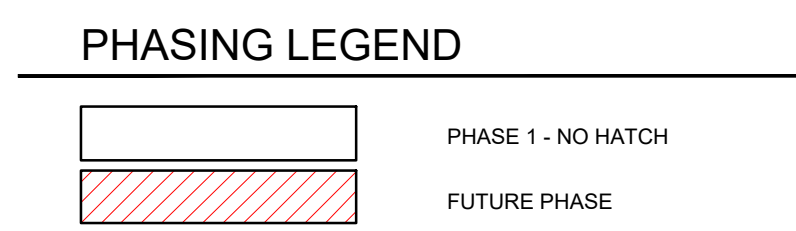


KHA PROJECT
 147842000
 DATE
 8/18/2021
 SCALE AS SHOWN
 DESIGNED BY DFD
 DRAWN BY DFD
 CHECKED BY C/JH

PHASING PLAN

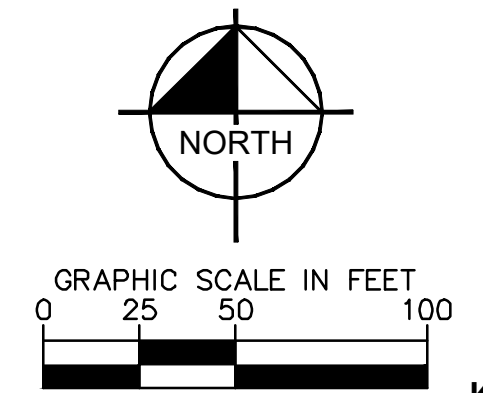
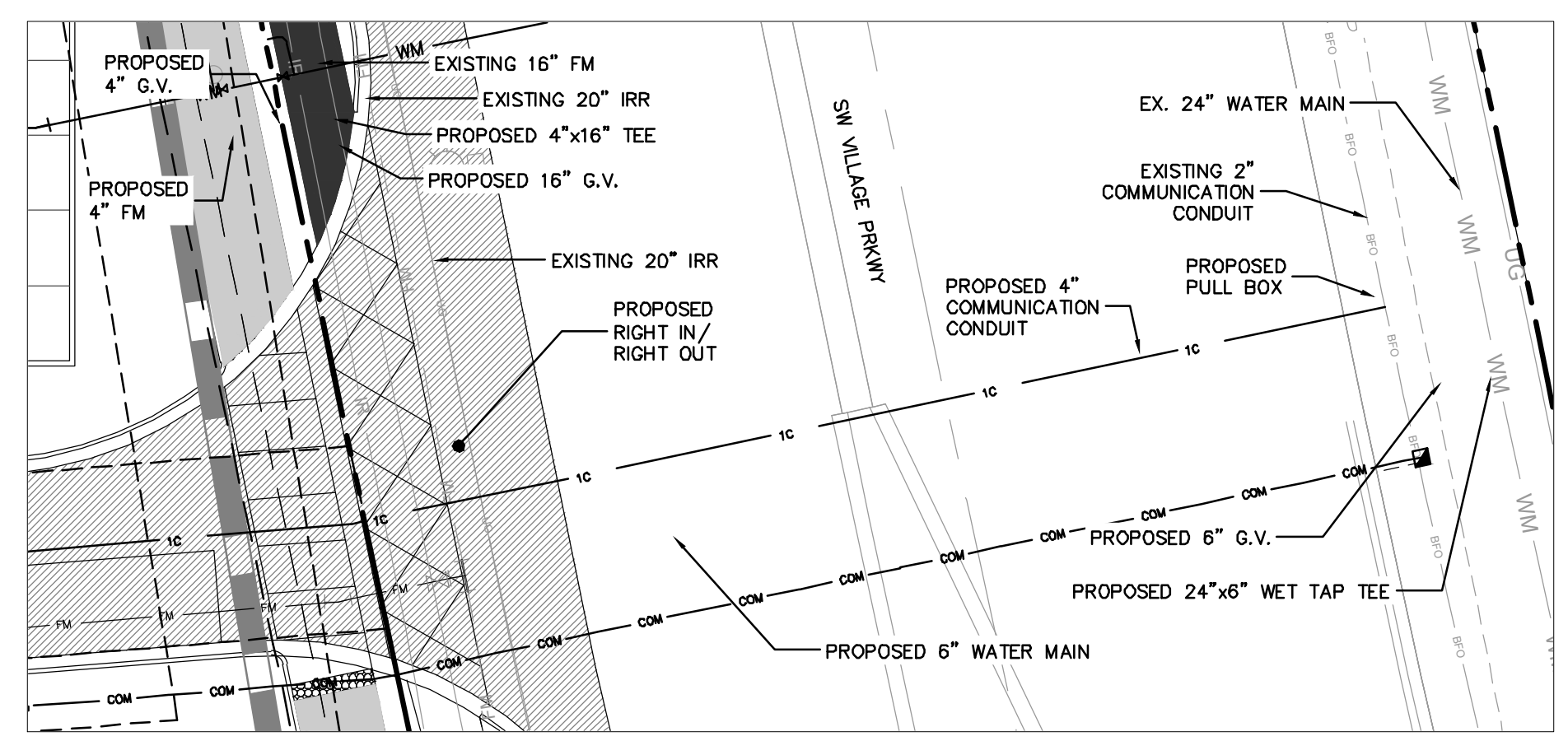
THE SHOPPES AT THE HEART OF TRADITION FOR BANYAN DEVELOPMENT
 SAINT LUCIE COUNTY FLORIDA
 SHEET NUMBER
C-075

- GENERAL NOTES:**
- HAZARDOUS WASTE DISPOSAL SHALL COMPLY WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.
 - ALL LANDSCAPE AREAS ADJACENT TO VEHICULAR USE AREAS SHALL BE CURBED OR PROTECTED BY CURB STOPS.
 - ALL BUILDING, PARKING AND ACCESS AREAS SHALL DOCUMENT COMPLIANCE WITH THE REQUIREMENTS OF THE AMERICAN DISABILITIES ACT PRIOR TO THE ISSUANCE OF BUILDING PERMIT.
 - SOIL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE IN PLACE PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
 - LANDSCAPING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF CHAPTER 153 OF THE LANDSCAPE CODE OF THE CITY OF PORT ST. LUCIE.
 - NO LANDSCAPING OTHER THAN GRASSES SHALL BE LOCATED WITHIN 10' OF A CITY UTILITY LINE OR APPURTENANCE. ALL OTHER UTILITIES SHALL BE A MINIMUM OF 5' HORIZONTAL SEPARATION FROM CITY UTILITY MAINS FOR PARALLEL INSTALLATIONS AND A MINIMUM 18" BELOW CITY MAINS. (ALL MEASUREMENTS ARE TAKEN FROM OUTSIDE TO OUTSIDE).
 - NO LANDSCAPING SHALL BE PLACED IN A MANNER THAT WOULD CREATE CONFLICTS WITH THE INTENDED OPERATION AND MAINTENANCE OF ANY EXISTING UTILITY.
 - THIS APPLICATION IS NOT VESTED FOR ANY MUNICIPAL FEES. ALL FEES ARE CALCULATED AT THE TIME OF PAYMENT. THIS INCLUDES SPECIFICALLY IMPACT FEES, UPLAND PRESERVE FEES AND ANY ADMINISTRATIVE REVIEW FEES FOR CITY DEPARTMENTS. NO FEES ARE VESTED BASED ON DATE OF CITY COUNCIL APPROVAL.
 - SIGNS ARE NOT PART OF THIS REVIEW AND SHALL BE PERMITTED SEPARATELY FROM THE APPLICATION. (SEE CHAPTER 155 (SIGN CODE) CITY OF PORT ST. LUCIE LAND DEVELOPMENT REGULATIONS).
 - THE PROPERTY OWNER, CONTRACTOR, AND AUTHORIZED REPRESENTATIVES SHALL PROVIDE PICKUP, REMOVAL, AND DISPOSAL OF LITTER WITHIN THE PROJECT LIMITS AND SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE AREA FROM THE EDGE OF PAVEMENT TO THE PROPERTY LINE WITHIN THE CITY'S RIGHT-OF-WAY IN ACCORDANCE WITH CITY CODE, SECTION 41.08 (G).
 - FENCE POSTS SHOULD AVOID UTILITY SERVICE LINES AT ALL TIMES.
 - UTILITY SERVICES CAN BE CONNECTED ONLY AFTER THE MAINS ARE INSTALLED AND TURNED OVER TO THE CITY.
 - ALL ADJACENT PROPERTIES AND PROPERTIES ACROSS THE SW COMMUNITY RIGHT OF WAY ARE ZONED MPUD WITH A FUTURE LAND USE OF NEW COMMUNITY DEVELOPMENT.

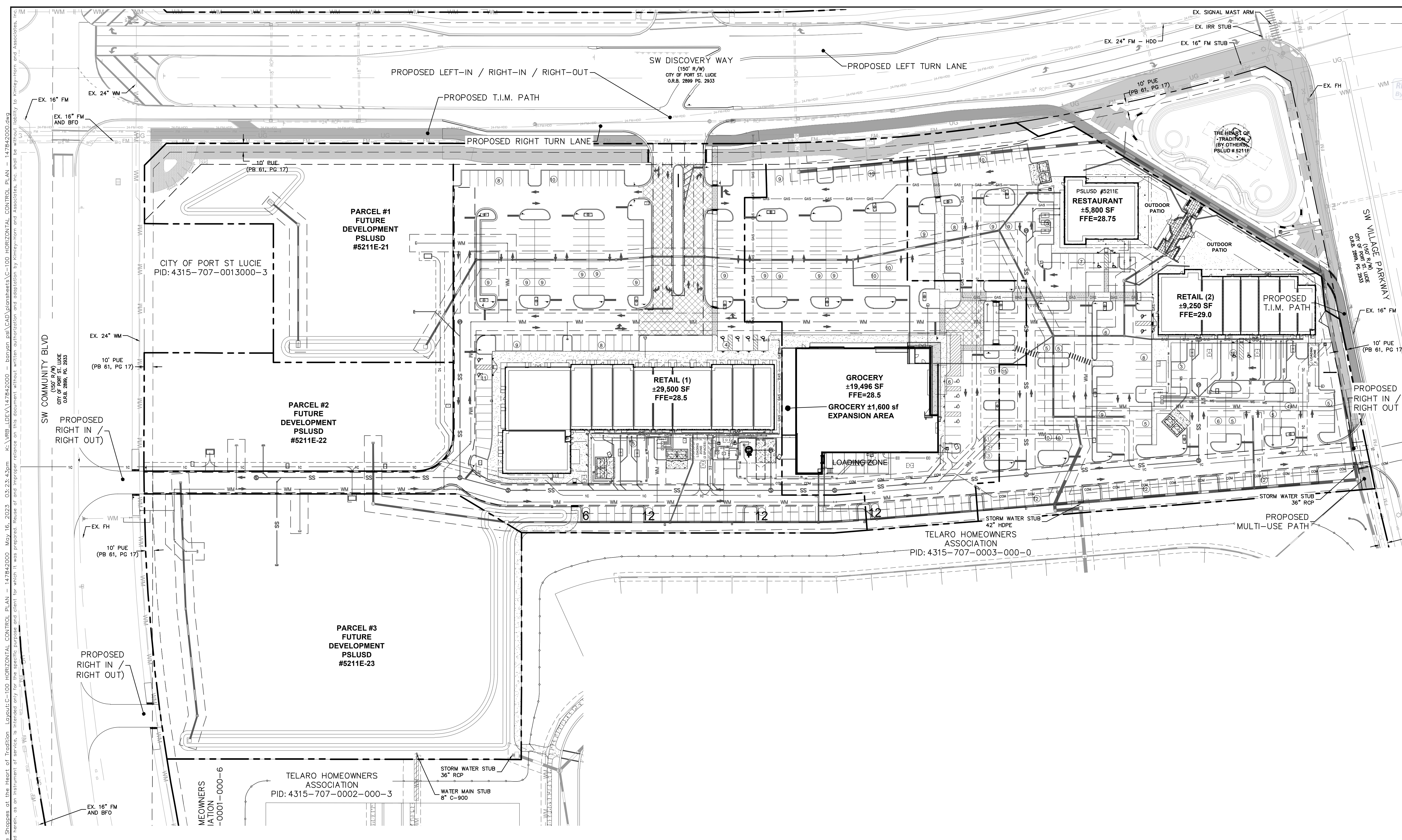


- PHASING NOTES**
- ALL UTILITY IMPROVEMENTS WITHIN PHASE 1 ARE TO BE CONSTRUCTED.
 - WATER AND SANITARY STUBS TO FUTURE PHASES ARE TO BE CONSTRUCTED IN PHASE 1 AND TERMINATE AT THE PLUG.
 - ALL STORM WATER SWALES ARE TO BE CONSTRUCTED IN PHASE 1.
 - T.I.M. PATH IS EXPECTED TO BE CONSTRUCTED PRIOR TO THE SHOPPES AT THE HEART OF TRADITION AND ONLY MODIFICATIONS AT THE PROPOSED DRIVEWAY LOCATIONS IS PROPOSED IN PHASE 1.

- LEGEND**
- PROPERTY LINE
 - PHASING LINE
 - PROPOSED GREASE TRAP
 - PROPOSED SANITARY SEWER MANHOLE
 - PROPOSED TRANSFORMER PAD WITH BOLLARD
 - PROPOSED WATER LINE
 - PROPOSED SANITARY SEWER LINE
 - PROPOSED GATE VALVE
 - PROPOSED REDUCER
 - PROPOSED FIRE HYDRANT ASSEMBLY
 - PROPOSED STORM SEWER PIPE
 - PROPOSED ROADWAY CURB INLET - TYPE P-5
 - PROPOSED STORM MANHOLE
 - PROPOSED CATCH BASIN
 - PROPOSED CURB INLET TYPE P-9
 - UTILITY EASEMENT
 - DRAINAGE EASEMENT
 - ACCESS EASEMENT



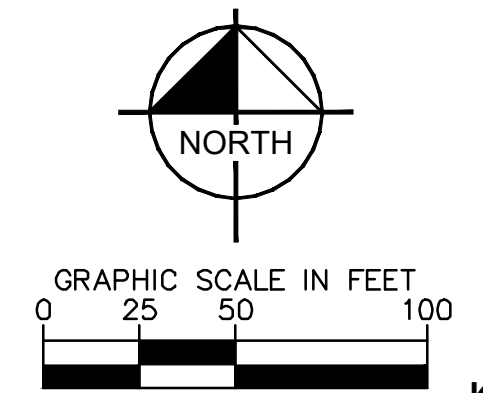
THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTORS SHOULD INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE.
 VERTICAL DATUM
 ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). SUBTRACT 1.57' FROM NAVD 29 ELEVATION TO GET THE NAVD 88 ELEVATION.
 CITY OF PORT ST. LUCIE PROJECT #
 P21-239
 PSLUSD PROJECT #
 5211E



- GENERAL NOTES:**
- HAZARDOUS WASTE DISPOSAL SHALL COMPLY WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.
 - ALL LANDSCAPE AREAS ADJACENT TO VEHICULAR USE AREAS SHALL BE CURBED OR PROTECTED BY CURB STOPS.
 - ALL BUILDING, PARKING AND ACCESS AREAS SHALL DOCUMENT COMPLIANCE WITH THE REQUIREMENTS OF THE AMERICAN DISABILITIES ACT PRIOR TO THE ISSUANCE OF BUILDING PERMIT.
 - SOIL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE IN PLACE PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
 - LANDSCAPING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF CHAPTER 153 OF THE LANDSCAPE CODE OF THE CITY OF PORT ST. LUCIE.
 - NO LANDSCAPING OTHER THAN GRASSES SHALL BE LOCATED WITHIN 10' OF A CITY UTILITY LINE OR APPURTENANCE. ALL OTHER UTILITIES SHALL BE A MINIMUM OF 5' HORIZONTAL SEPARATION FROM CITY UTILITY MAINS FOR PARALLEL INSTALLATIONS AND A MINIMUM 18" BELOW CITY MAINS. (ALL MEASUREMENTS ARE TAKEN FROM OUTSIDE TO OUTSIDE).
 - NO LANDSCAPING SHALL BE PLACED IN A MANNER THAT WOULD CREATE CONFLICTS WITH THE INTENDED OPERATION AND MAINTENANCE OF ANY EXISTING UTILITY.
 - THIS APPLICATION IS NOT VESTED FOR ANY MUNICIPAL FEES. ALL FEES ARE CALCULATED AT TIME OF PAYMENT. THIS INCLUDES SPECIFICALLY IMPACT FEES, UPLAND PRESERVE FEES AND ANY ADMINISTRATIVE REVIEW FEES FOR CITY DEPARTMENTS. NO FEES ARE VESTED BASED ON DATE OF CITY COUNCIL APPROVAL.
 - SIGNS ARE NOT PART OF THIS REVIEW AND SHALL BE PERMITTED SEPARATELY FROM THE APPLICATION. (SEE CHAPTER 155 (SIGN CODE) CITY OF PORT ST. LUCIE LAND DEVELOPMENT REGULATIONS.)
 - THE PROPERTY OWNER, CONTRACTOR, AND AUTHORIZED REPRESENTATIVES SHALL PROVIDE PICKUP, REMOVAL, AND DISPOSAL OF LITTER WITHIN THE PROJECT LIMITS AND SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE AREA FROM THE EDGE OF PAVEMENT TO THE PROPERTY LINE WITHIN THE CITY'S RIGHT-OF-WAY IN ACCORDANCE WITH CITY CODE, SECTION 41.08 (G).
 - FENCE POSTS SHOULD AVOID UTILITY SERVICE LINES AT ALL TIMES.
 - UTILITY SERVICES CAN BE CONNECTED ONLY AFTER THE MAINS ARE INSTALLED AND TURNED OVER TO THE CITY.
 - ALL ADJACENT PROPERTIES AND PROPERTIES ACROSS THE SW COMMUNITY RIGHT OF WAY ARE ZONED MPUD WITH A FUTURE LAND USE OF NEW COMMUNITY DEVELOPMENT.

WELLFIELD NOTE

THE DEVELOPER IS PROHIBITED FROM INSTALLING SANITARY SEWER MAINS, SANITARY SEWER MANHOLES, AND SANITARY SEWER LIFT STATIONS WITHIN A 100' RADIUS PROTECTION ZONE OF THE CITY OF PORT ST. LUCIE UTILITY SYSTEM DEPARTMENT'S CONTEMPLATED DRINKING WATER WELL.



THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTORS SHOULD INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE.

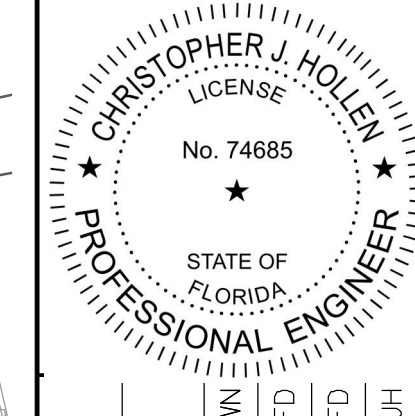
VERTICAL DATUM
ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). SUBTRACT 1.00' FROM NAVD 29 ELEVATION TO GET THE NAVD 88 ELEVATION.

CITY OF PORT ST. LUCIE PROJECT # P21-239
PSLUSD PROJECT # 5211E

| NO. | REVISIONS | DATE | BY |
|-----|-----------|------|----|
| | | | |

Kimley»Horn

© 2023 KIMLEY-HORN AND ASSOCIATES, INC.
445 24TH STREET, SUITE 200, VERO BEACH, FL 32960
PHONE: 772-794-4100
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106



| | |
|-------------|-----------|
| KHA PROJECT | 147842000 |
| DATE | 8/18/2021 |
| SCALE | AS SHOWN |
| DESIGNED BY | DFD |
| DRAWN BY | DFD |
| CHECKED BY | CJH |

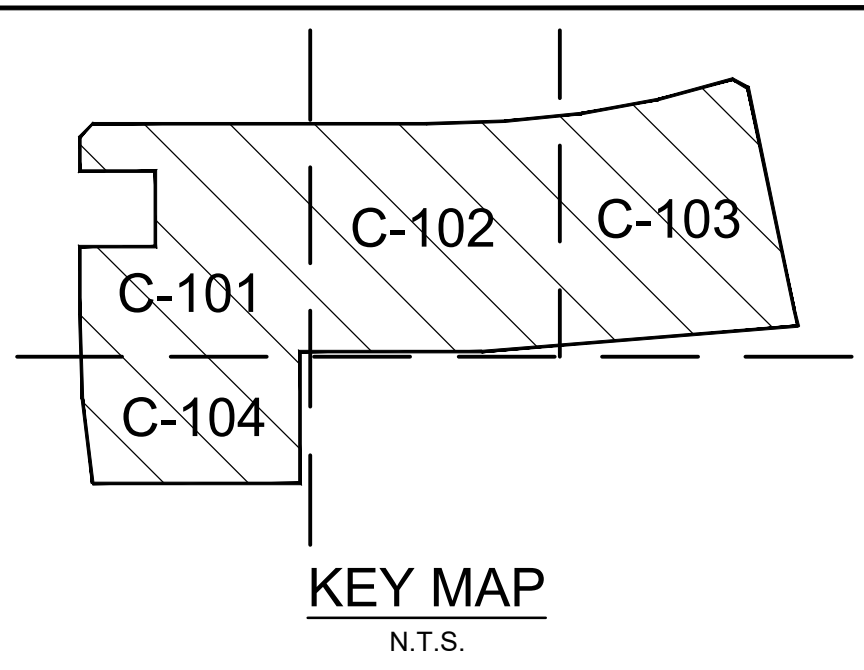
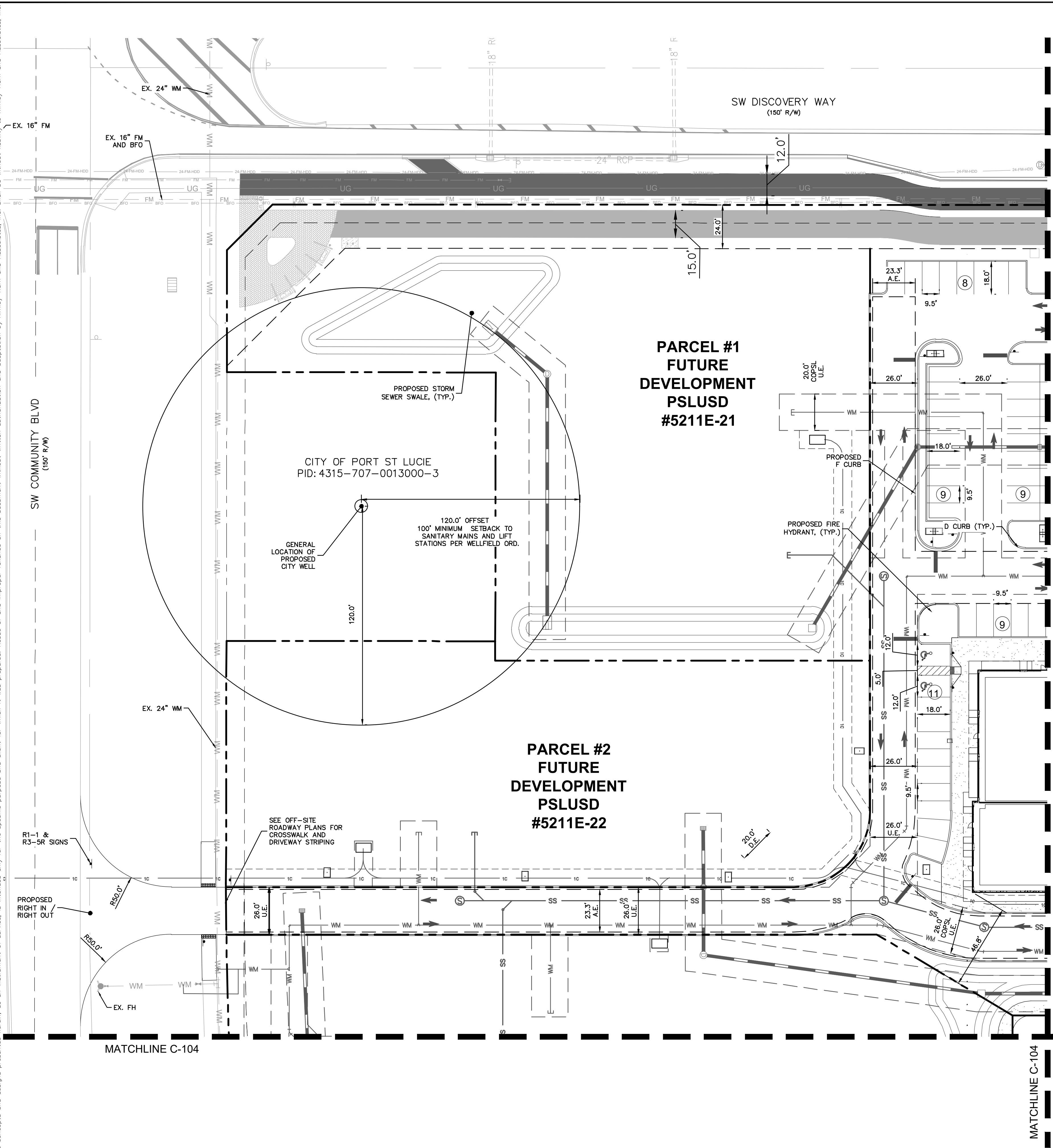
HORIZONTAL CONTROL PLAN

THE SHOPPES AT THE HEART OF TRADITION FOR BANYAN DEVELOPMENT

SAINT LUCIE COUNTY FLORIDA

SHEET NUMBER
C-100

Plotted By: Anderson, Sarah - Sheet Set: 147842000 - The Shoppes at the Heart of Tradition - Layout: C-101 - HORIZONTAL CONTROL PLAN ENLARGEMENT - 147842000 - MDY 16 2023 03:23:53pm K:\V\B\LEVA\147842000 - banyan ps\CAD\plansheets\C-101 HORIZONTAL CONTROL PLAN - 147842000.dwg
 This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



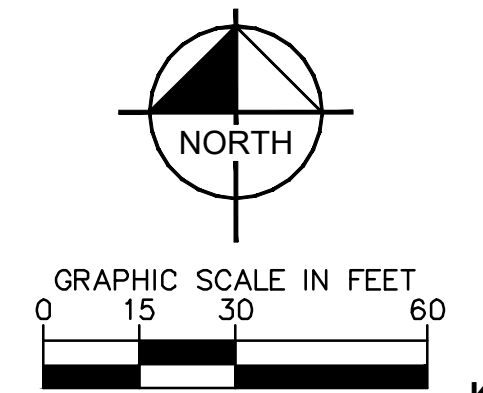
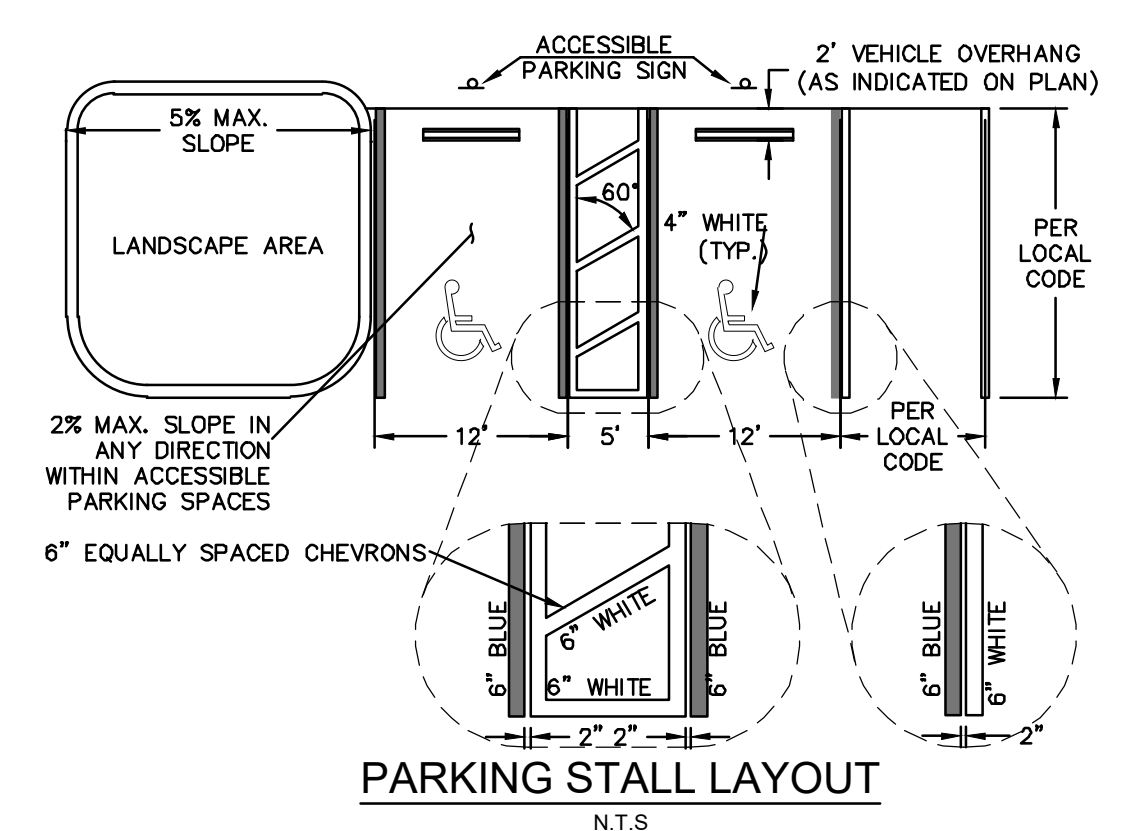
RECEIVED
By Mdc11 at 10:39 am, May 18, 2023

GENERAL NOTES:

- HAZARDOUS WASTE DISPOSAL SHALL COMPLY WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS
- ALL LANDSCAPE AREAS ADJUTING VEHICULAR USE AREAS SHALL BE CURBED OR PROTECTED BY CURB STOPS.
- ALL BUILDING, PARKING AND ACCESS AREAS SHALL DOCUMENT COMPLIANCE WITH THE REQUIREMENTS OF THE AMERICAN DISABILITIES ACT PRIOR TO THE ISSUANCE OF BUILDING PERMIT.
- SOIL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE IN PLACE PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
- LANDSCAPING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF CHAPTER 153 OF THE LANDSCAPE CODE OF THE CITY OF PORT ST. LUCIE.
- NO LANDSCAPING OTHER THAN GRASSES SHALL BE LOCATED WITHIN 10' OF A CITY UTILITY LINE OR APPURTENANCE. ALL OTHER UTILITIES SHALL BE A MINIMUM OF 5' HORIZONTAL SEPARATION FROM CITY UTILITY MAINS FOR PARALLEL INSTALLATIONS AND A MINIMUM 18" BELOW CITY MAINS. (ALL MEASUREMENTS ARE TAKEN FROM OUTSIDE TO OUTSIDE)
- NO LANDSCAPING SHALL BE PLACED IN A MANNER THAT WOULD CREATE CONFLICTS WITH THE INTENDED OPERATION AND MAINTENANCE OF ANY EXISTING UTILITY.
- THIS APPLICATION IS NOT VESTED FOR ANY MUNICIPAL FEES. ALL FEES ARE CALCULATED AT TIME OF PAYMENT. THIS INCLUDES SPECIFICALLY IMPACT FEES, UPLAND PRESERVE FEES AND ANY ADMINISTRATIVE REVIEW FEES FOR CITY DEPARTMENTS. NO FEES ARE VESTED BASED ON DATE OF CITY COUNCIL APPROVAL.
- SIGNS ARE NOT PART OF THIS REVIEW AND SHALL BE PERMITTED SEPARATELY FROM THE APPLICATION. (SEE CHAPTER 155 (SIGN CODE) CITY OF PORT ST. LUCIE LAND DEVELOPMENT REGULATIONS.)
- THE PROPERTY OWNER, CONTRACTOR, AND AUTHORIZED REPRESENTATIVES SHALL PROVIDE PICKUP, REMOVAL, AND DISPOSAL OF LITTER WITHIN THE PROJECT LIMITS AND SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE AREA FROM THE EDGE OF PAVEMENT TO THE PROPERTY LINE WITHIN THE CITY'S RIGHT-OF-WAY IN ACCORDANCE WITH CITY CODE, SECTION 41.08 (G)
- FENCE POSTS SHOULD AVOID UTILITY SERVICE LINES AT ALL TIMES.
- UTILITY SERVICES CAN BE CONNECTED ONLY AFTER THE MAINS ARE INSTALLED AND TURNED OVER TO THE CITY.
- ALL ADJACENT PROPERTIES AND PROPERTIES ACROSS THE SW COMMUNITY RIGHT OF WAY ARE ZONED MPUD WITH A FUTURE LAND USE OF NEW COMMUNITY DEVELOPMENT.

LEGEND

- PROPERTY LINE
- PROPOSED GREASE TRAP
- PROPOSED SANITARY SEWER MANHOLE
- PROPOSED TRANSFORMER PAD WITH BOLLARD
- PROPOSED WATER LINE
- PROPOSED SANITARY SEWER LINE
- PROPOSED GATE VALVE
- PROPOSED REDUCER
- PROPOSED FIRE HYDRANT ASSEMBLY
- PROPOSED STORM SEWER PIPE
- PROPOSED ROADWAY CURB INLET - TYPE P-5
- PROPOSED STORM MANHOLE
- PROPOSED CATCH BASIN
- PROPOSED CURB INLET TYPE P-9
- UTILITY EASEMENT
- DRAINAGE EASEMENT
- ACCESS EASEMENT
- EXISTING MULTIUSE PATH
- EXISTING TIM PATH



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

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTORS SHOULD INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE.

VERTICAL DATUM
ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). SUBTRACT 1.57' FROM NAVD 29 ELEVATION TO GET THE NAVD 88 ELEVATION.

CITY OF PORT ST. LUCIE PROJECT #
P21-239
PSLUSD PROJECT #
5211E

| No. | REVISIONS | DATE | BY |
|-----|-----------|------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

Kimley >>> Horn

© 2023 KIMLEY-HORN AND ASSOCIATES, INC.
445 24TH STREET, SUITE 200, VERO BEACH, FL 32960
PHONE: 772-794-4100
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

CHRISTOPHER J. HOLLEN
No. 74685
STATE OF FLORIDA
PROFESSIONAL ENGINEER

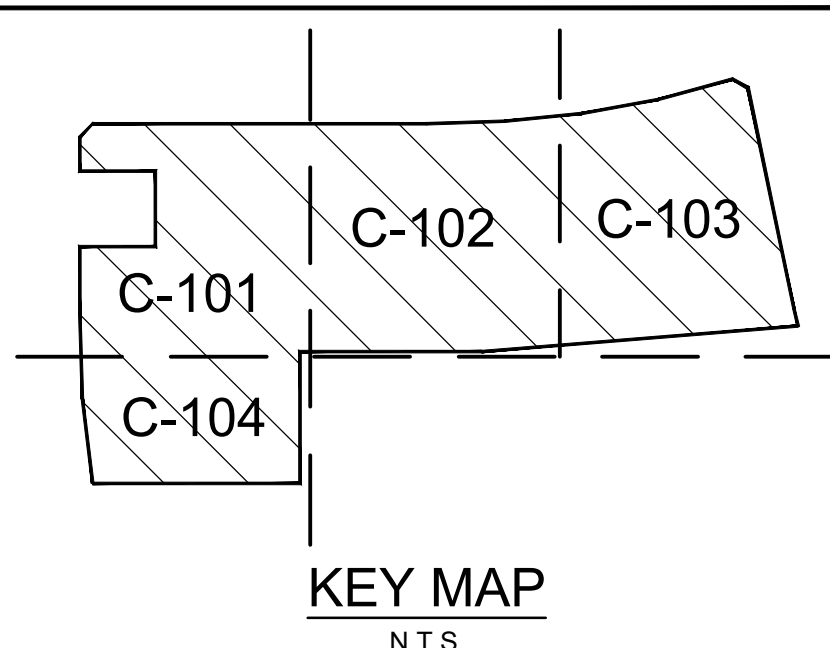
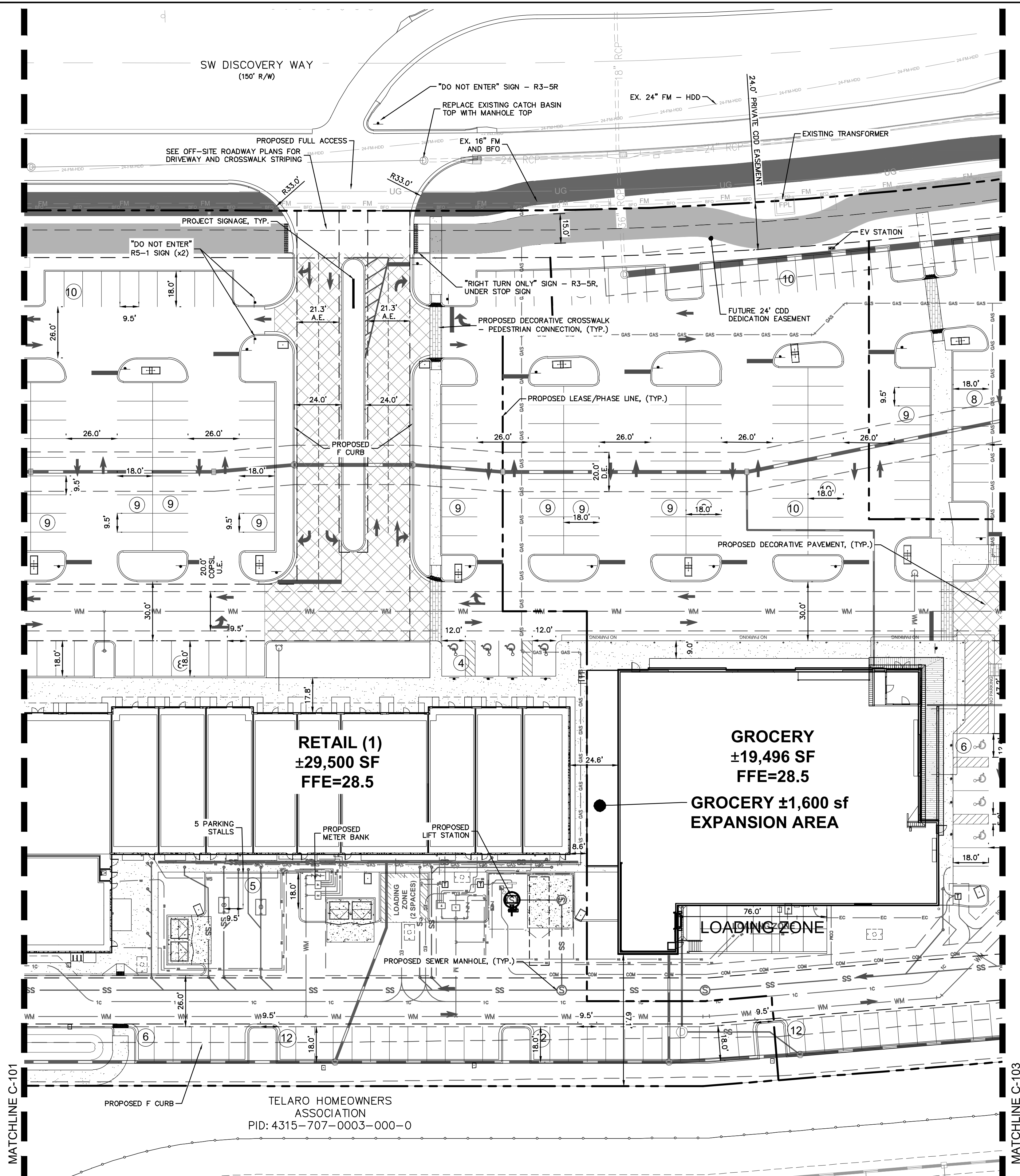
KHA PROJECT
147842000
DATE
8/18/2021
SCALE AS SHOWN
DESIGNED BY DFD
DRAWN BY DFD
CHECKED BY C/JH

**HORIZONTAL
CONTROL PLAN
ENLARGEMENT**

THE SHOPPES AT THE
HEART OF TRADITION
FOR
BANYAN DEVELOPMENT
SAINT LUCIE COUNTY FLORIDA

SHEET NUMBER
C-101

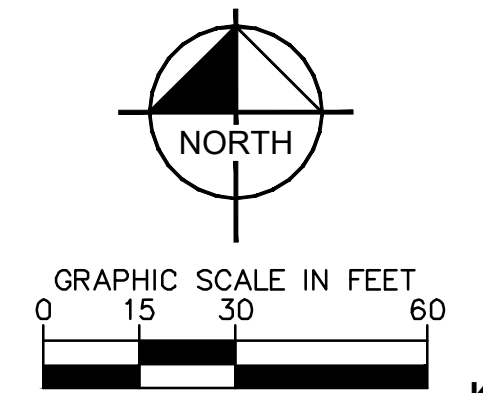
Plotted By: Anderson, Sarah - Sheet Set: 147842000 - The Shoppes at the Heart of Tradition - Horizontal Control Plan Enlargement - 147842000 - May 16, 2023 - 03:24:09pm - K: WRB_ALEVA_147842000 - bonan_p81_CAD_plansheets\G-100_HORIZONTAL_CONTROL_PLAN - 147842000.dwg
 This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



RECEIVED
 By Mdc11 at 10:39 am, May 18, 2023

| LEGEND | |
|--------|--|
| | PROPERTY LINE |
| | PROPOSED GREASE TRAP |
| | PROPOSED SANITARY SEWER MANHOLE |
| | PROPOSED TRANSFORMER PAD WITH BOLLARD |
| | PROPOSED WATER LINE |
| | PROPOSED SANITARY SEWER LINE |
| | PROPOSED GATE VALVE |
| | PROPOSED REDUCER |
| | PROPOSED FIRE HYDRANT ASSEMBLY |
| | PROPOSED STORM SEWER PIPE |
| | PROPOSED ROADWAY CURB INLET - TYPE P-5 |
| | PROPOSED STORM MANHOLE |
| | PROPOSED CATCH BASIN |
| | PROPOSED CURB INLET TYPE P-9 |
| | UTILITY EASEMENT |
| | DRAINAGE EASEMENT |
| | EXISTING MULTIUSE PATH |
| | EXISTING TIM PATH |

- GENERAL NOTES:**
- HAZARDOUS WASTE DISPOSAL SHALL COMPLY WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS
 - ALL LANDSCAPE AREAS ADJACENT TO VEHICULAR USE AREAS SHALL BE CURBED OR PROTECTED BY CURB STOPS.
 - ALL BUILDING, PARKING AND DRIVEWAY AREAS SHALL DOCUMENT COMPLIANCE WITH THE REQUIREMENTS OF THE AMERICAN DISABILITIES ACT PRIOR TO THE ISSUANCE OF BUILDING PERMIT.
 - SOIL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE IN PLACE PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
 - LANDSCAPING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF CHAPTER 153 OF THE LANDSCAPE CODE OF THE CITY OF PORT ST. LUCIE.
 - NO LANDSCAPING OTHER THAN GRASSES SHALL BE LOCATED WITHIN 10' OF A CITY UTILITY LINE OR APPURTENANCE. ALL OTHER UTILITIES SHALL BE A MINIMUM OF 5' HORIZONTAL SEPARATION FROM CITY UTILITY MAINS FOR PARALLEL INSTALLATIONS AND A MINIMUM 18" BELOW CITY MAINS. (ALL MEASUREMENTS ARE TAKEN FROM OUTSIDE TO OUTSIDE)
 - NO LANDSCAPING SHALL BE PLACED IN A MANNER THAT WOULD CREATE CONFLICTS WITH THE INTENDED OPERATION AND MAINTENANCE OF ANY EXISTING UTILITY.
 - THIS APPLICATION IS NOT VESTED FOR ANY MUNICIPAL FEES. ALL FEES ARE CALCULATED AT TIME OF PAYMENT. THIS INCLUDES SPECIFICALLY IMPACT FEES, UPLAND PRESERVE FEES AND ANY ADMINISTRATIVE REVIEW FEES FOR CITY DEPARTMENTS. NO FEES ARE VESTED BASED ON DATE OF CITY COUNCIL APPROVAL.
 - SIGNS ARE NOT PART OF THIS REVIEW AND SHALL BE PERMITTED SEPARATELY FROM THE APPLICATION. (SEE CHAPTER 155 (SIGN CODE) CITY OF PORT ST. LUCIE LAND DEVELOPMENT REGULATIONS.)
 - THE PROPERTY OWNER, CONTRACTOR, AND AUTHORIZED REPRESENTATIVES SHALL PROVIDE PICKUP, REMOVAL AND DISPOSAL OF LITTER WITHIN THE PROJECT LIMITS AND SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE AREA FROM THE EDGE OF PAVEMENT TO THE PROPERTY LINE WITHIN THE CITY'S RIGHT-OF-WAY IN ACCORDANCE WITH CITY CODE, SECTION 41.08 (G).
 - FENCE POSTS SHOULD AVOID UTILITY SERVICE LINES AT ALL TIMES.
 - UTILITY SERVICES CAN BE CONNECTED ONLY AFTER THE MAINS ARE INSTALLED AND TURNED OVER TO THE CITY.
 - ALL ADJACENT PROPERTIES AND PROPERTIES ACROSS THE SW COMMUNITY RIGHT-OF-WAY ARE ZONED MRUD WITH A FUTURE LAND USE OF NEW COMMUNITY DEVELOPMENT.

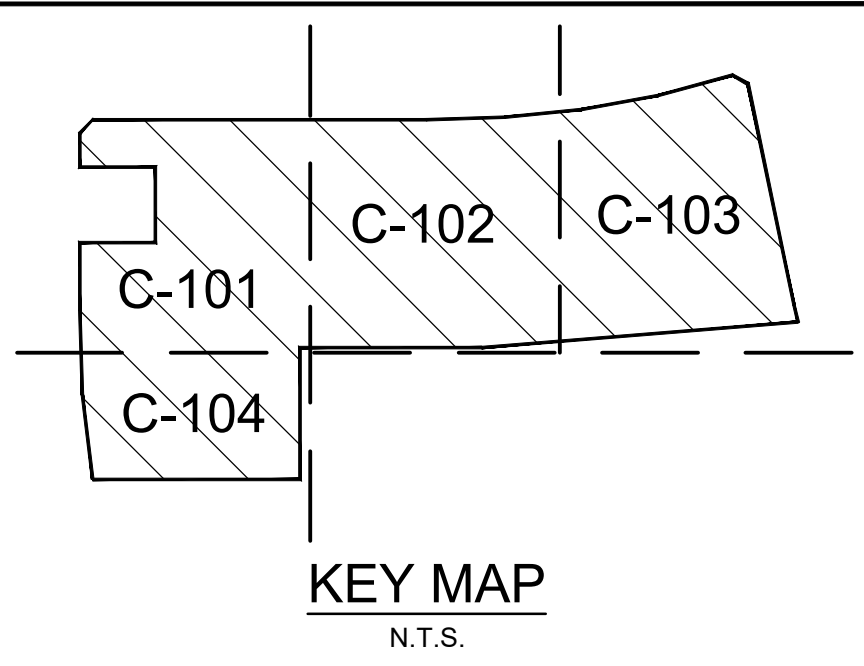
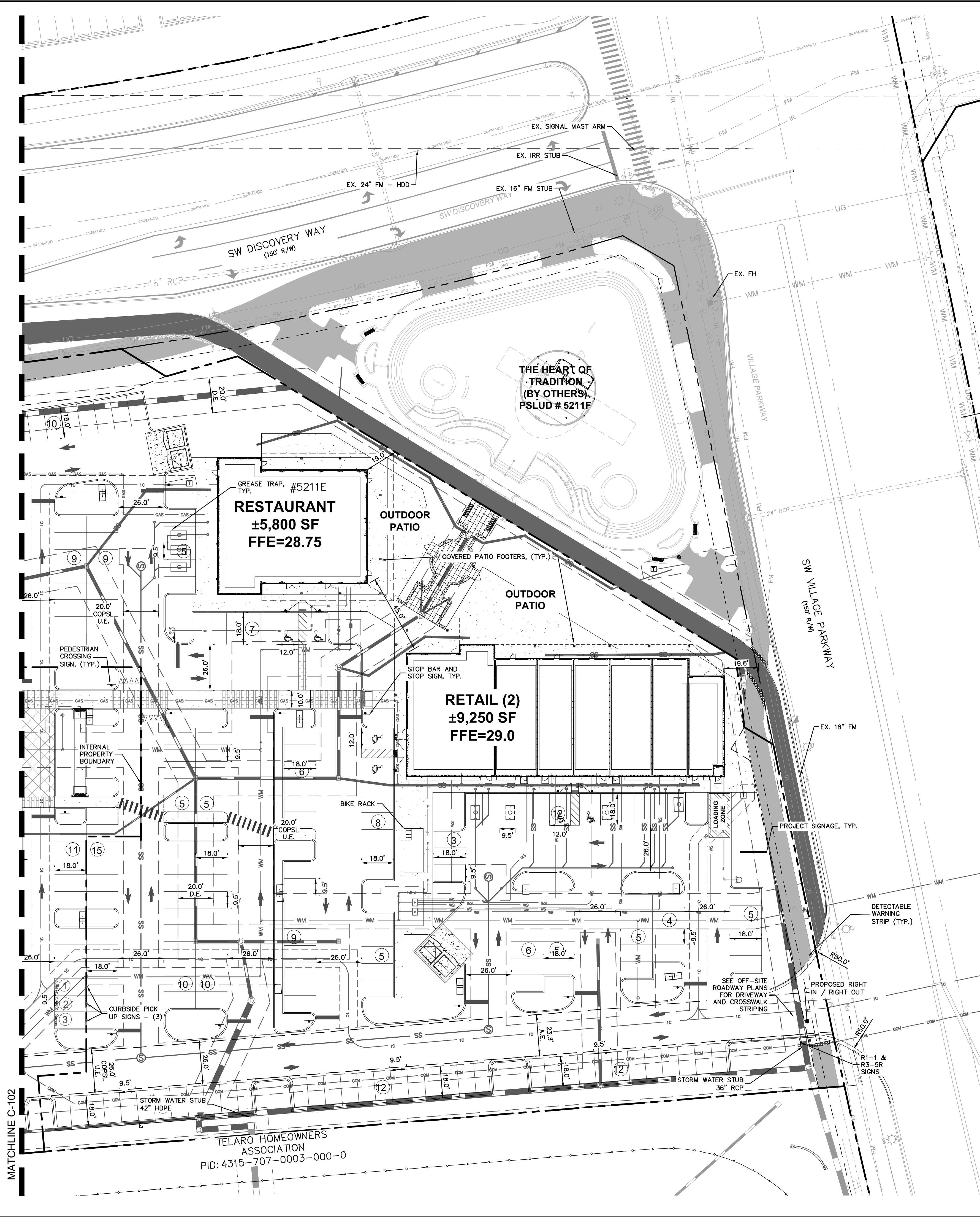


THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT.
 CONTRACTORS SHOULD INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE.
 VERTICAL DATUM
 ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). SUBTRACT 1.557 FROM NAVD 88 ELEVATION TO GET THE 1985 ELEVATION.

CITY OF PORT ST. LUCIE PROJECT #
 P21-239
 PLSUSD PROJECT #
 5211E

| | |
|---|--|
| Kimley»Horn | |
| © 2023 KIMLEY-HORN AND ASSOCIATES, INC. 445 24TH STREET, SUITE 200, VERO BEACH, FL 32960 PHONE: 772-794-4100 WWW.KIMLEY-HORN.COM REGISTRY NO. 35106 | |
| | |
| KHA PROJECT 147842000 DATE 8/18/2021 SCALE AS SHOWN DESIGNED BY DFD DRAWN BY DFD CHECKED BY C/JH | HORIZONTAL CONTROL PLAN ENLARGEMENT |
| THE SHOPPES AT THE HEART OF TRADITION FOR BANYAN DEVELOPMENT SAINT LUCIE COUNTY FLORIDA | SHEET NUMBER C-102 |

Plotted By: Anderson, Sarah. Sheet: 147842000 - The Shoppes at the Heart of Tradition. U:\Projects\147842000 - 147842000 - May 16, 2023. 03:24:19pm. K:\WEB_LDEV\147842000 - 147842000 - banan.pbl\CAD\plansheets\C-100 HORIZONTAL CONTROL PLAN - 147842000.dwg
 This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



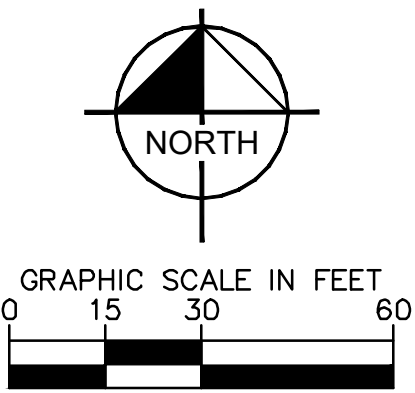
RECEIVED
 By Mdc11 at 10:39 am, May 18, 2023

LEGEND

- PROPERTY LINE
- PROPOSED GREASE TRAP
- PROPOSED SANITARY SEWER MANHOLE
- PROPOSED TRANSFORMER PAD WITH BOLLARD
- PROPOSED WATER LINE
- PROPOSED SANITARY SEWER LINE
- PROPOSED GATE VALVE
- PROPOSED REDUCER
- PROPOSED FIRE HYDRANT ASSEMBLY
- PROPOSED STORM SEWER PIPE
- PROPOSED ROADWAY CURB INLET - TYPE P-5
- PROPOSED STORM MANHOLE
- PROPOSED CATCH BASIN
- PROPOSED CURB INLET TYPE P-9
- U.E. UTILITY EASEMENT
- D.E. DRAINAGE EASEMENT
- EXISTING MULTIUSE PATH
- EXISTING TIM PATH

GENERAL NOTES:

1. HAZARDOUS WASTE DISPOSAL SHALL COMPLY WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS
2. ALL LANDSCAPE AREAS ADJACENT TO VEHICULAR USE AREAS SHALL BE CURBED OR PROTECTED BY CURB STOPS.
3. ALL BUILDING, PARKING AND ACCESS AREAS SHALL DOCUMENT COMPLIANCE WITH THE REQUIREMENTS OF THE AMERICAN DISABILITIES ACT PRIOR TO THE ISSUANCE OF BUILDING PERMIT.
4. SOIL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE IN PLACE PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
5. LANDSCAPING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF CHAPTER 153 OF THE LANDSCAPE CODE OF THE CITY OF PORT ST. LUCIE. NO LANDSCAPING OTHER THAN GRASSES SHALL BE LOCATED WITHIN 10' OF A CITY UTILITY LINE OR APPURTENANCE. ALL OTHER UTILITIES SHALL BE A MINIMUM OF 5' HORIZONTAL SEPARATION FROM CITY UTILITY MAINS FOR PARALLEL INSTALLATIONS AND A MINIMUM 18" BELOW CITY MAINS. (ALL MEASUREMENTS ARE TAKEN FROM OUTSIDE TO OUTSIDE)
6. NO LANDSCAPING SHALL BE PLACED IN A MANNER THAT WOULD CREATE CONFLICTS WITH THE INTENDED OPERATION AND MAINTENANCE OF ANY EXISTING UTILITY.
7. THIS APPLICATION IS NOT VESTED FOR ANY MUNICIPAL FEES. ALL FEES ARE CALCULATED AT TIME OF PAYMENT. THIS INCLUDES SPECIFICALLY IMPACT FEES, UPLAND PRESERVE FEES AND ANY ADMINISTRATIVE REVIEW FEES FOR CITY DEPARTMENTS. NO FEES ARE VESTED BASED ON DATE OF CITY COUNCIL APPROVAL.
8. SIGNS ARE NOT PART OF THIS REVIEW AND SHALL BE PERMITTED SEPARATELY FROM THE APPLICATION. (SEE CHAPTER 155 (SIGN CODE) CITY OF PORT ST. LUCIE LAND DEVELOPMENT REGULATIONS.)
9. THE PROPERTY OWNER, CONTRACTOR, AND AUTHORIZED REPRESENTATIVES SHALL PROVIDE PICKUP, REMOVAL AND DISPOSAL OF LITTER WITHIN THE PROJECT LIMITS AND SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE AREA FROM THE EDGE OF PAVEMENT TO THE PROPERTY LINE WITHIN THE CITY'S RIGHT-OF-WAY IN ACCORDANCE WITH CITY CODE, SECTION 41.08 (G)
10. FENCE POSTS SHOULD AVOID UTILITY SERVICE LINES AT ALL TIMES.
11. UTILITY SERVICES CAN BE CONNECTED ONLY AFTER THE MAINS ARE INSTALLED AND TURNED OVER TO THE CITY.
12. ALL ADJACENT PROPERTIES AND PROPERTIES ACROSS THE SW COMMUNITY RIGHT OF WAY ARE ZONED MPUD WITH A FUTURE LAND USE OF NEW COMMUNITY DEVELOPMENT.



THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTORS SHOULD INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE.
 VERTICAL DATUM
 ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). SUBTRACT 1.57' FROM NAVD 29 ELEVATION TO GET THE NAVD 88 ELEVATION.

CITY OF PORT ST. LUCIE PROJECT # P21-239
 PSLUD PROJECT # 5211E

| No. | REVISIONS | BY | DATE |
|-----|-----------|----|------|
| | | | |

Kimley»Horn
 © 2023 KIMLEY-HORN AND ASSOCIATES, INC.
 445 24TH STREET, SUITE 200, VERO BEACH, FL 32960
 PHONE: 772-794-4100
 WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

CHRISTOPHER J. HOLLEN
 LICENSE
 No. 74685
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER

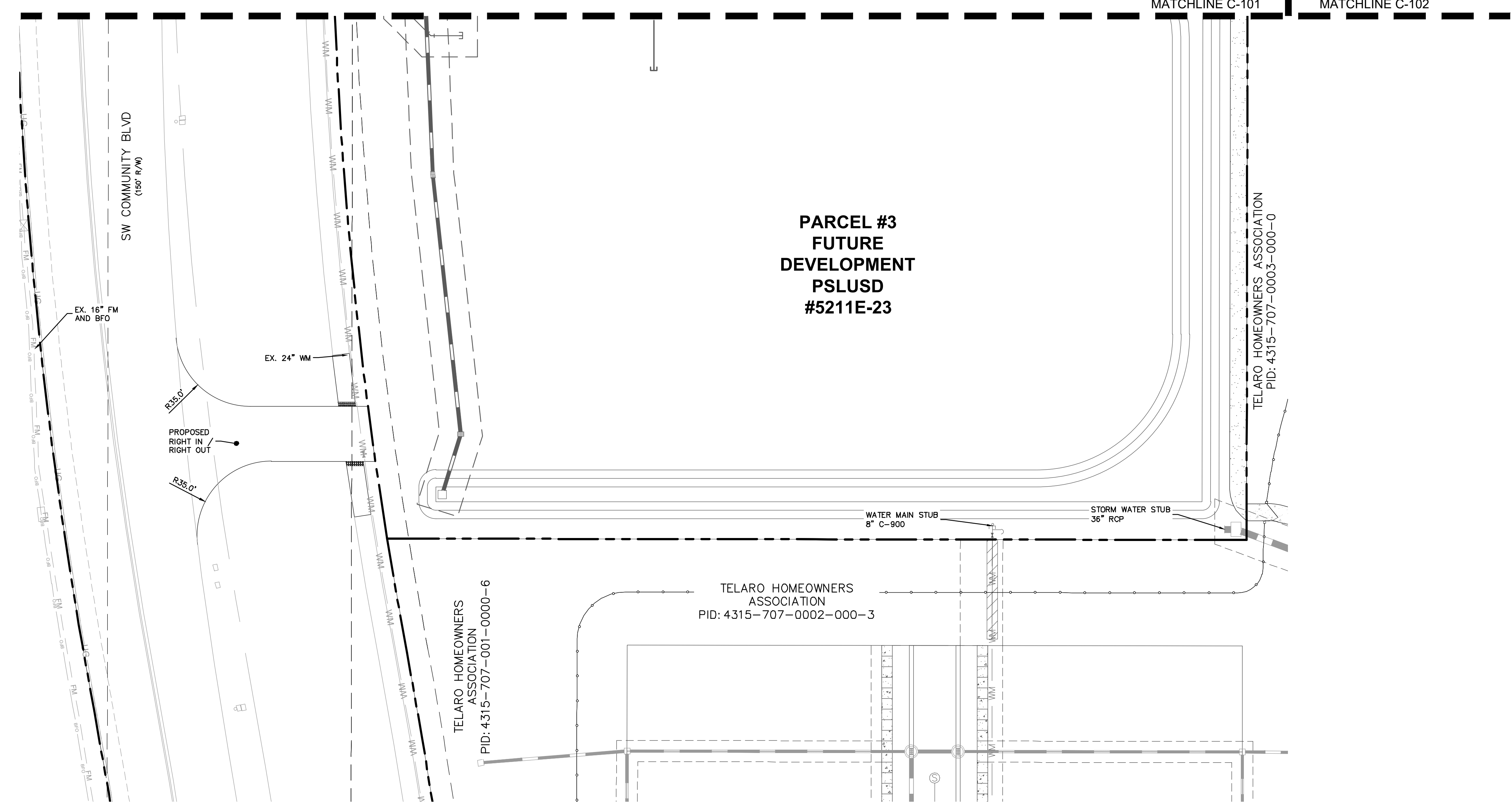
KHA PROJECT 147842000
 DATE 8/18/2021
 SCALE AS SHOWN
 DESIGNED BY DFD
 DRAWN BY DFD
 CHECKED BY C/JH

HORIZONTAL CONTROL PLAN ENLARGEMENT

THE SHOPPES AT THE HEART OF TRADITION FOR BANYAN DEVELOPMENT
 SAINT LUCIE COUNTY FLORIDA

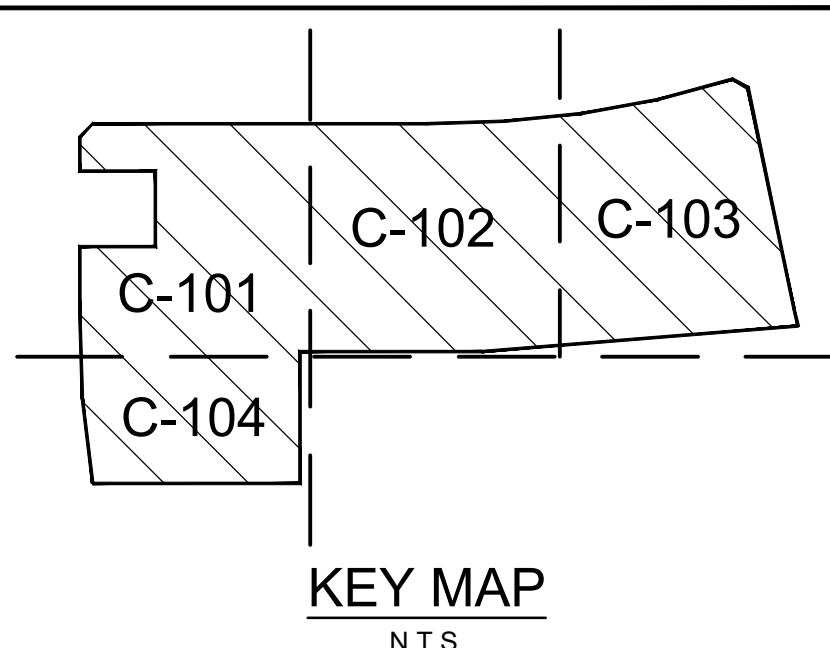
SHEET NUMBER **C-103**

Plotted By: Anderson, Sarah - Sheet: 147842000 - The Shoppes at the Heart of Tradition - LAYOUT: C-104 - HORIZONTAL CONTROL PLAN ENLARGEMENT - 147842000 - May 16, 2023 - 03:24:23pm - K: VRE_ALEVA.147842000 - bonyan_p81\CAO\plansheets\G-100_HORIZONTAL_CONTROL_PLAN - 147842000.dwg
 This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



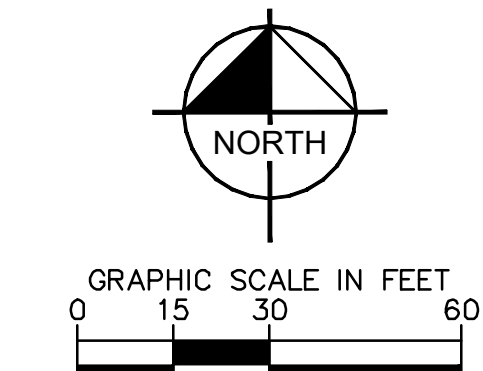
LEGEND

| | |
|------|--|
| | PROPERTY LINE |
| | PROPOSED GREASE TRAP |
| | PROPOSED SANITARY SEWER MANHOLE |
| | PROPOSED TRANSFORMER PAD WITH BOLLARD |
| | PROPOSED WATER LINE |
| | PROPOSED SANITARY SEWER LINE |
| | PROPOSED GATE VALVE |
| | PROPOSED REDUCER |
| | PROPOSED FIRE HYDRANT ASSEMBLY |
| | PROPOSED STORM SEWER PIPE |
| | PROPOSED ROADWAY CURB INLET - TYPE P-5 |
| | PROPOSED STORM MANHOLE |
| | PROPOSED CATCH BASIN |
| | PROPOSED CURB INLET TYPE P-9 |
| U.E. | UTILITY EASEMENT |
| D.E. | DRAINAGE EASEMENT |
| | EXISTING MULTIUSE PATH |
| | EXISTING TIM PATH |



RECEIVED
By Mdc11 at 10:39 am, May 18, 2023

- GENERAL NOTES:**
- HAZARDOUS WASTE DISPOSAL SHALL COMPLY WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS
 - ALL LANDSCAPE AREAS ABUTTING VEHICULAR USE AREAS SHALL BE CURBED OR PROTECTED BY CURB STOPS.
 - ALL BUILDING, PARKING AND ACCESS AREAS SHALL DOCUMENT COMPLIANCE WITH THE REQUIREMENTS OF THE AMERICAN DISABILITIES ACT PRIOR TO THE ISSUANCE OF BUILDING PERMIT.
 - SOIL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE IN PLACE PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
 - LANDSCAPING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF CHAPTER 153 OF THE LANDSCAPE CODE OF THE CITY OF PORT ST. LUCIE.
 - NO LANDSCAPING OTHER THAN GRASSES SHALL BE LOCATED WITHIN 10' OF A CITY UTILITY LINE OR APPURTENANCE. ALL OTHER UTILITIES SHALL BE A MINIMUM OF 5' HORIZONTAL SEPARATION FROM CITY UTILITY MAINS FOR PARALLEL INSTALLATIONS AND A MINIMUM 18" BELOW CITY MAINS. (ALL MEASUREMENTS ARE TAKEN FROM OUTSIDE TO OUTSIDE)
 - NO LANDSCAPING SHALL BE PLACED IN A MANNER THAT WOULD CREATE CONFLICTS WITH THE INTENDED OPERATION AND MAINTENANCE OF ANY EXISTING UTILITY.
 - THIS APPLICATION IS NOT VESTED FOR ANY MUNICIPAL FEES. ALL FEES ARE CALCULATED AT TIME OF PAYMENT. THIS INCLUDES SPECIFICALLY IMPACT FEES, UPLAND PRESERVE FEES AND ANY ADMINISTRATIVE REVIEW FEES FOR CITY DEPARTMENTS. NO FEES ARE VESTED BASED ON DATE OF CITY COUNCIL APPROVAL.
 - SIGNS ARE NOT PART OF THIS REVIEW AND SHALL BE PERMITTED SEPARATELY FROM THE APPLICATION. (SEE CHAPTER 155 (SIGN CODE) CITY OF PORT ST. LUCIE LAND DEVELOPMENT REGULATIONS.)
 - THE PROPERTY OWNER, CONTRACTOR, AND AUTHORIZED REPRESENTATIVES SHALL PROVIDE PICKUP, REMOVAL, AND DISPOSAL OF LITTER WITHIN THE PROJECT LIMITS AND SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE AREA FROM THE EDGE OF PAVEMENT TO THE PROPERTY LINE WITHIN THE CITY'S RIGHT-OF-WAY IN ACCORDANCE WITH CITY CODE, SECTION 41.08 (G)
 - FENCE POSTS SHOULD AVOID UTILITY SERVICE LINES AT ALL TIMES.
 - UTILITY SERVICES CAN BE CONNECTED ONLY AFTER THE MAINS ARE INSTALLED AND TURNED OVER TO THE CITY.
 - ALL ADJACENT PROPERTIES AND PROPERTIES ACROSS THE SW COMMUNITY RIGHT OF WAY ARE ZONED MRUD WITH A FUTURE LAND USE OF NEW COMMUNITY DEVELOPMENT.



THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTORS BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE.

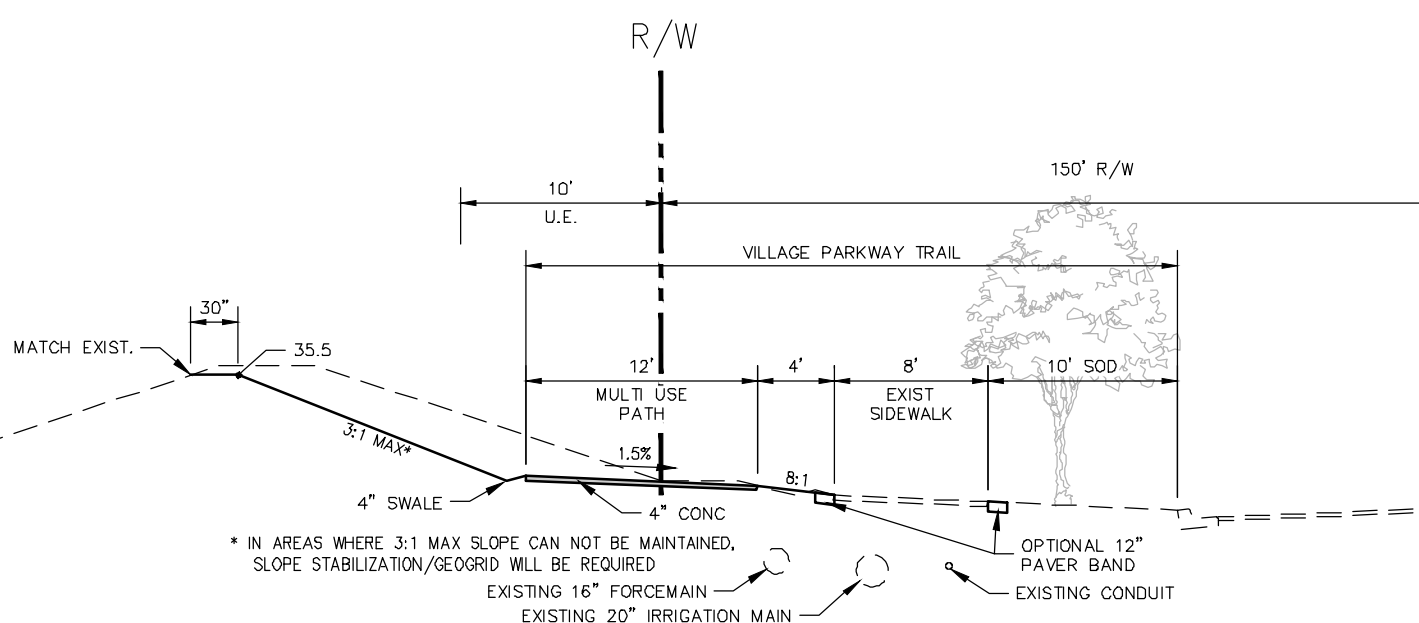
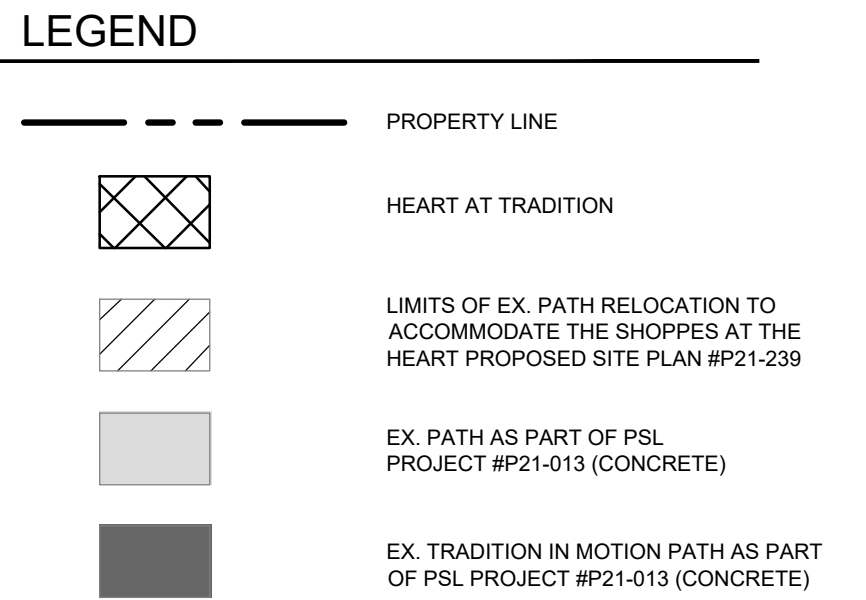
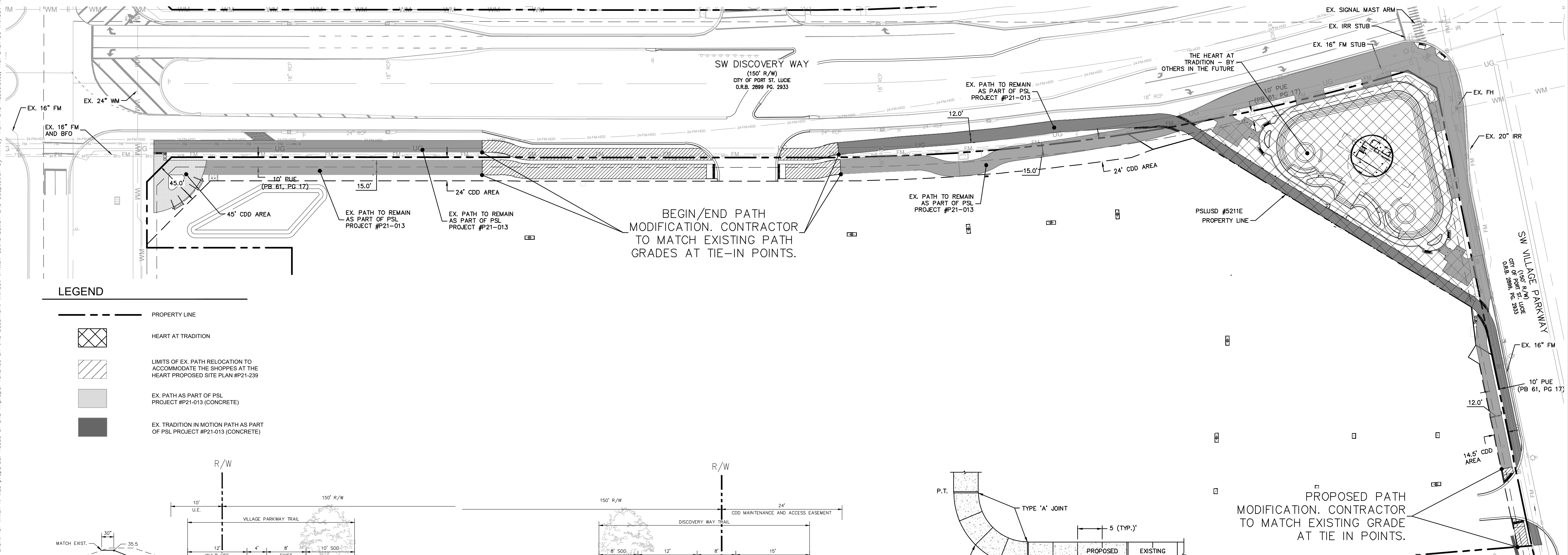
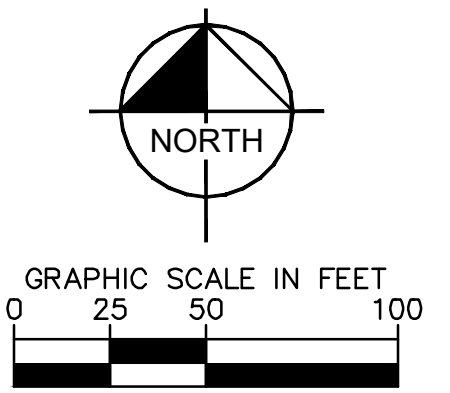
VERTICAL DATUM
ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). SUBTRACT 1.57' FROM NAVD 29 ELEVATION TO GET THE NAVD 88 ELEVATION.

CITY OF PORT ST. LUCIE PROJECT #
P21-239
PSLUD PROJECT #
5211E

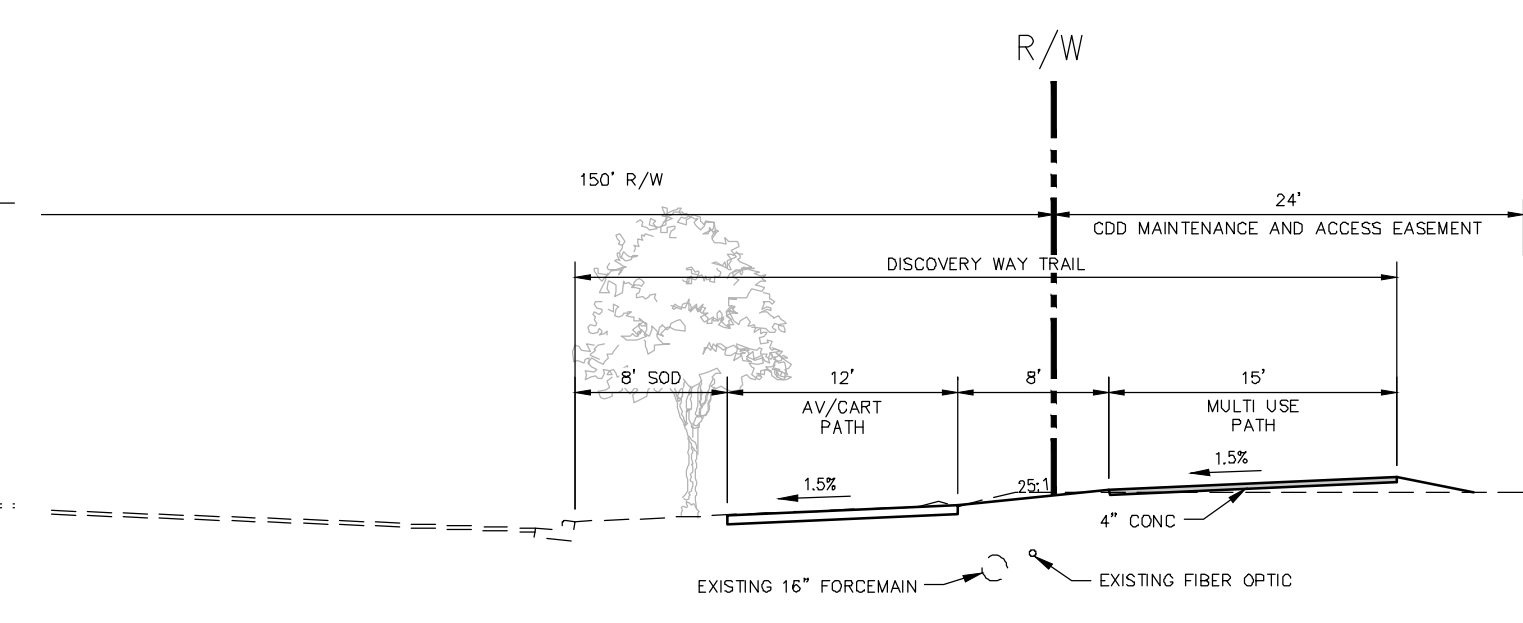
| © 2023 KIMLEY-HORN AND ASSOCIATES, INC. 445 24TH STREET, SUITE 200, VERO BEACH, FL 32960 PHONE: 772-794-4100 WWW.KIMLEY-HORN.COM REGISTRY NO. 35106 | | | | | | | |
|--|--|-----|------|----|--|--|--|
| | | | | | | | |
| KHA PROJECT 147842000 DATE 8/18/2021 SCALE AS SHOWN DESIGNED BY DFD DRAWN BY DFD CHECKED BY C/JH | HORIZONTAL CONTROL PLAN ENLARGEMENT THE SHOPPES AT THE HEART OF TRADITION FOR BANYAN DEVELOPMENT SAINT LUCIE COUNTY FLORIDA | | | | | | |
| SHEET NUMBER C-104 | REVISIONS <table border="1"> <tr> <th>No.</th> <th>DATE</th> <th>BY</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table> | No. | DATE | BY | | | |
| No. | DATE | BY | | | | | |
| | | | | | | | |

Plotted By: Anderson, Sarah - Sheet: Sect: 147842000 - The Shoppes at the Heart of Tradition - LAYOUT: C-200 - TIM PATH MODIFICATION PLAN - 147842000 - MAY 16, 2023 03:29:36pm - K:\VIB-LDEVA\147842000 - banyan.pal\CAD\plansheets\C-200 - DFE SITE - TIM PATH MODIFICATION PLAN - 147842000.dwg - This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

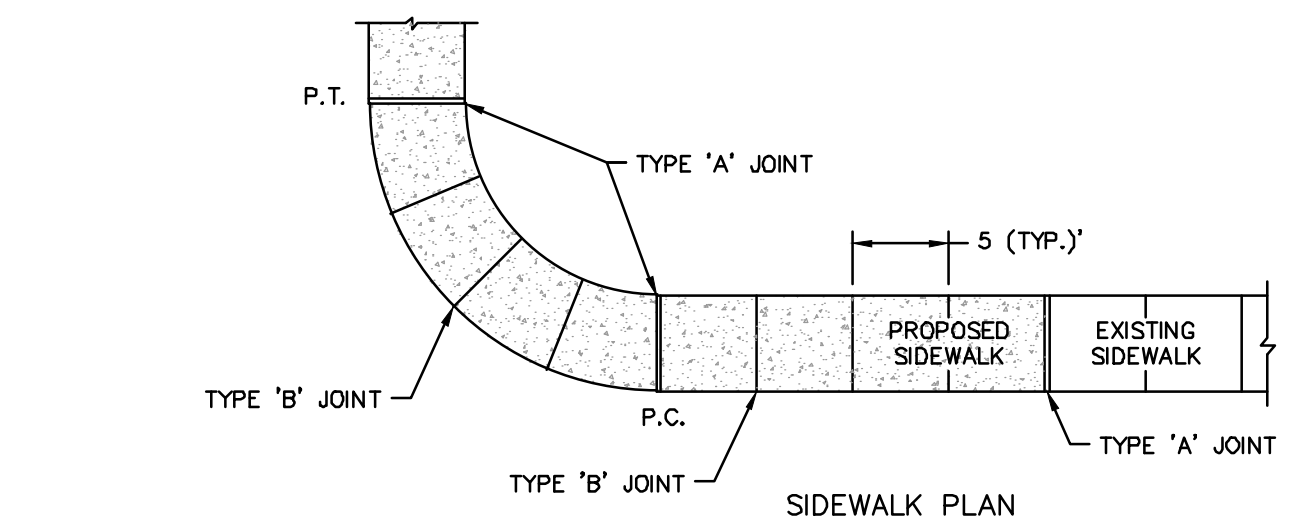
RECEIVED
 By Mdc11 at 10:39 am, May 18, 2023



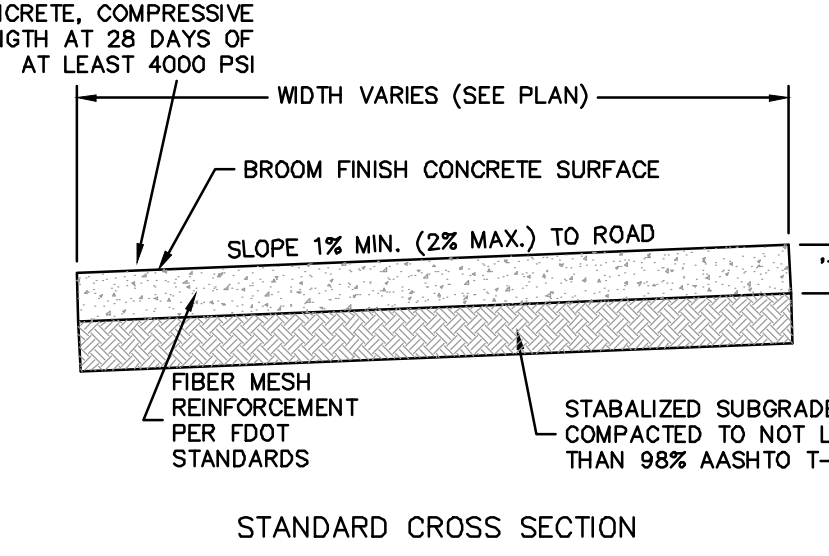
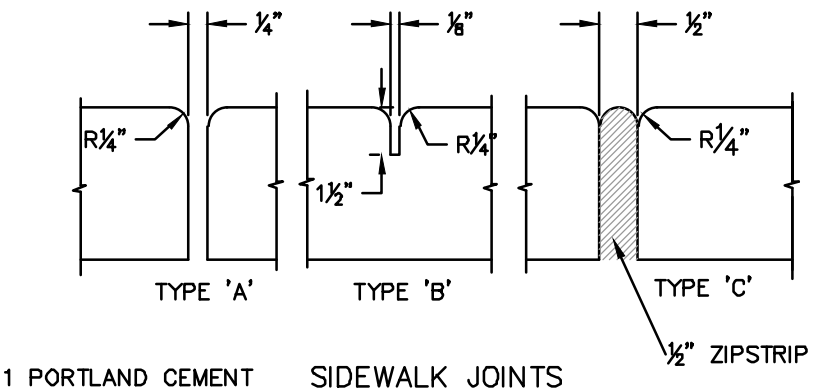
VILLAGE PARKWAY TRAIL TYPICAL SECTION
 N.T.S. 150' RIGHT-OF-WAY



DISCOVERY WAY TRAIL TYPICAL SECTION
 N.T.S. 150' RIGHT-OF-WAY

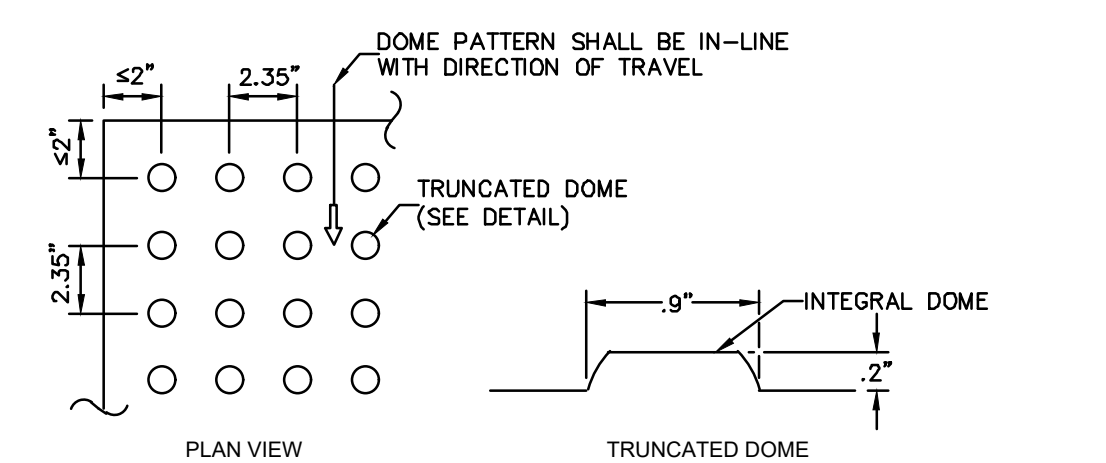


| TABLE OF SIDEWALK JOINTS | |
|--------------------------|---|
| TYPE | LOCATION |
| 'A' | 100' MAX. SPACING, P.C./P.T. OF CURVES, JUNCTION OF EXISTING AND NEW SIDEWALKS. |
| 'B' | 5'-0" CENTER TO CENTER |
| 'C' | WHERE SIDEWALK ABUTS CONCRETE CURBS, DRIVEWAYS AND SIMILAR STRUCTURES. |

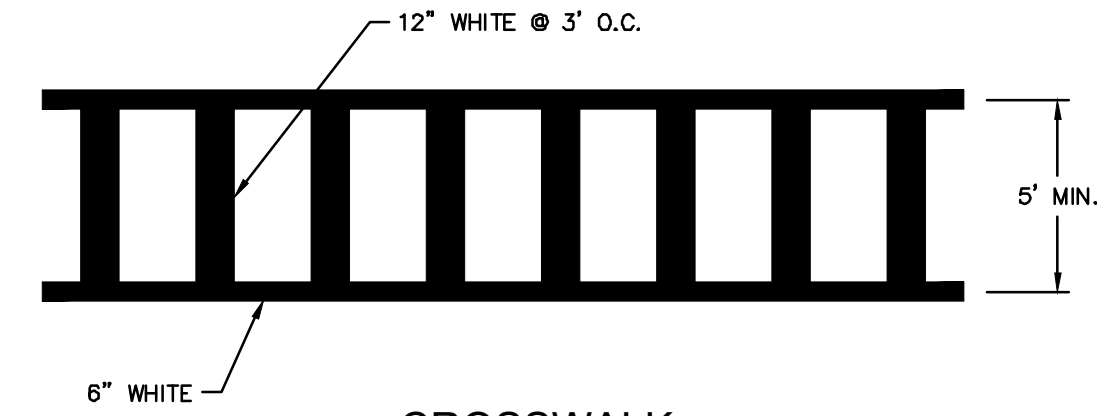


| TABLE OF SIDEWALK THICKNESS | |
|-----------------------------------|-----------|
| LOCATION | THICKNESS |
| PEDESTRIAN ONLY AREAS | 4" |
| DRIVEWAYS AND OTHER TRAFFIC AREAS | 6" |

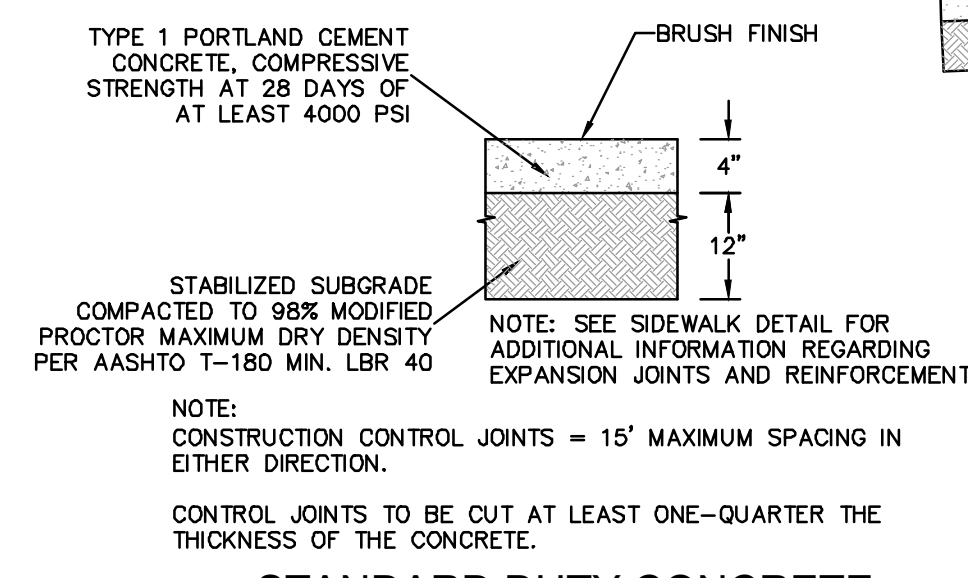
NOTE:
 1. ALL SIDEWALK STREET CROSSINGS MUST MEET THE REQUIREMENTS OF THE AMERICAN DISABILITIES ACT (ADA) COMPLIANCE GUIDE. TRANSITIONS FROM RAMPS TO WALKS, GUTTERS, OR STREETS SHALL BE FLUSH AND FREE OF ABRUPT CHANGES.
 2. ALL ON-SITE SIDEWALKS TO BE 5' MIN. WIDTH.
 3. 4" OF AGGREGATE BENEATH WALKS WITH IN 10 FT OF BUILDING ENTRIES.



DETECTABLE WARNING
 N.T.S.



CROSSWALK
 N.T.S.



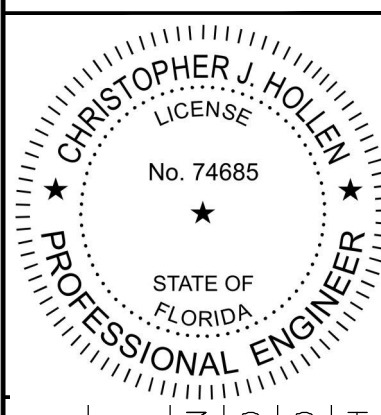
STANDARD DUTY CONCRETE
 N.T.S.

CONCRETE SIDEWALK
 N.T.S.

PROPOSED PATH MODIFICATION. CONTRACTOR TO MATCH EXISTING GRADE AT TIE IN POINTS.

| NO. | REVISIONS | DATE | BY |
|-----|-----------|------|----|
| | | | |

Kimley-Horn
 © 2023 KIMLEY-HORN AND ASSOCIATES, INC.
 445 24TH STREET, SUITE 200, VERO BEACH, FL 32960
 PHONE: 772-794-4100
 WWW.KIMLEY-HORN.COM REGISTRY NO. 35106



KHA PROJECT 147842000
 DATE 8/18/2021
 SCALE AS SHOWN
 DESIGNED BY DFD
 DRAWN BY C/JH
 CHECKED BY

TIM PATH MODIFICATION PLAN

THE SHOPPES AT THE HEART OF TRADITION FOR BANYAN DEVELOPMENT
 SAINT LUCIE COUNTY FLORIDA

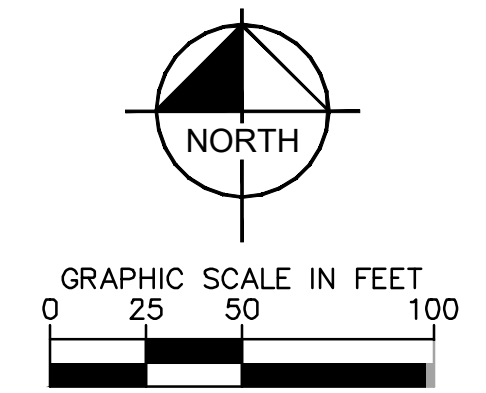


THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTORS SHOULD INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE.
 VERTICAL DATUM ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). SUBTRACT 1.57' FROM NAVD 29 ELEVATION TO GET THE NAVD 88 ELEVATION.

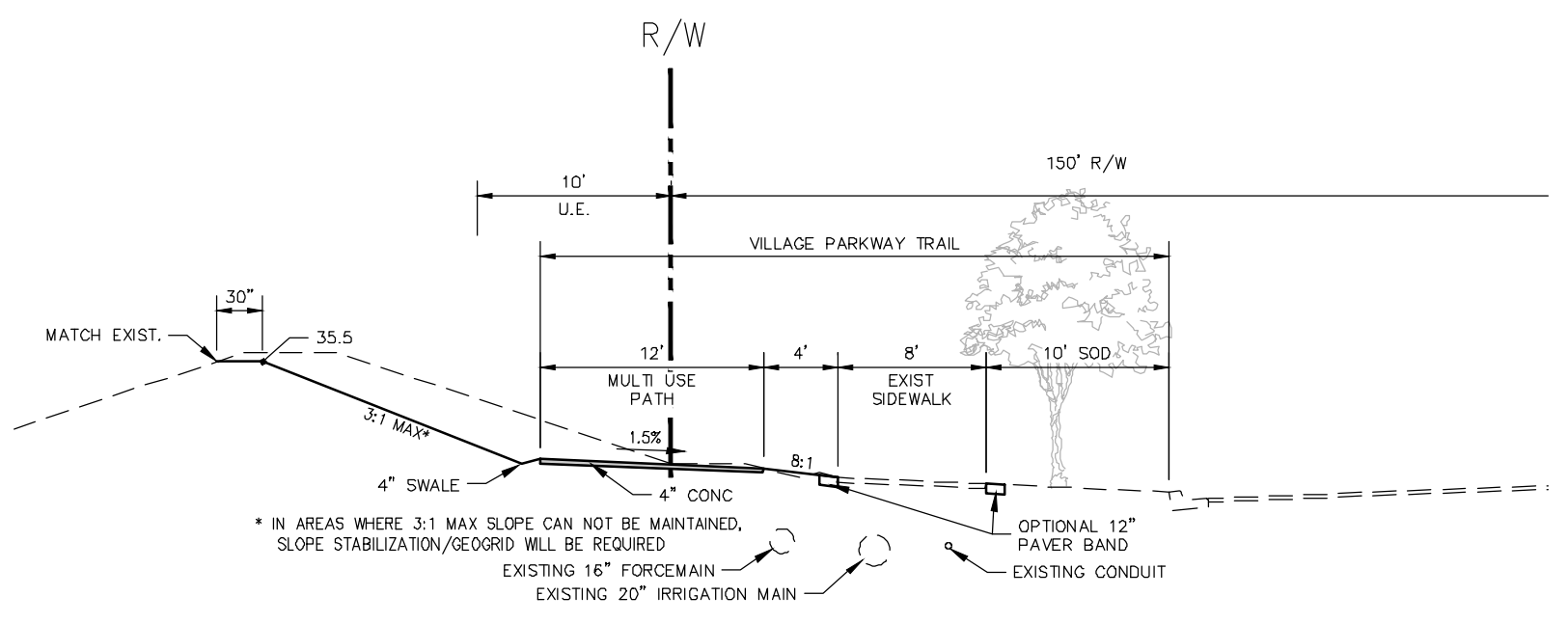
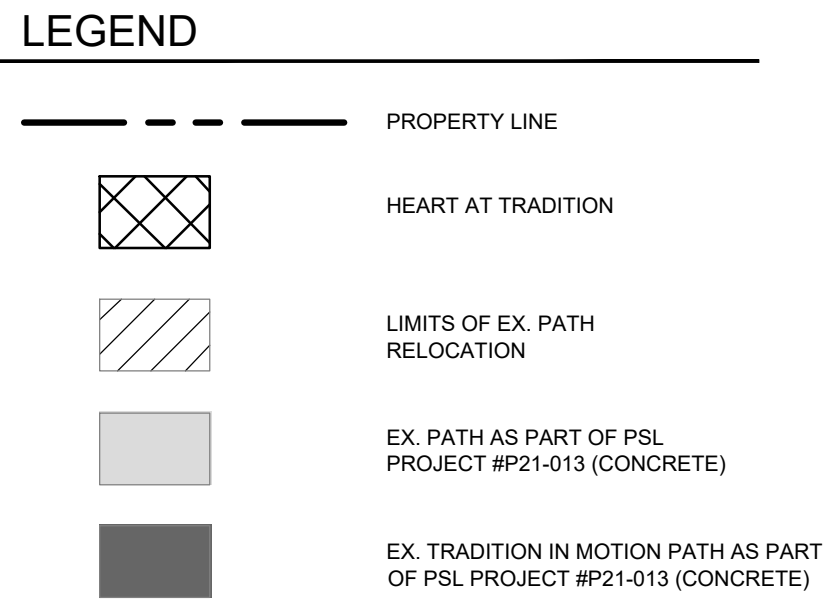
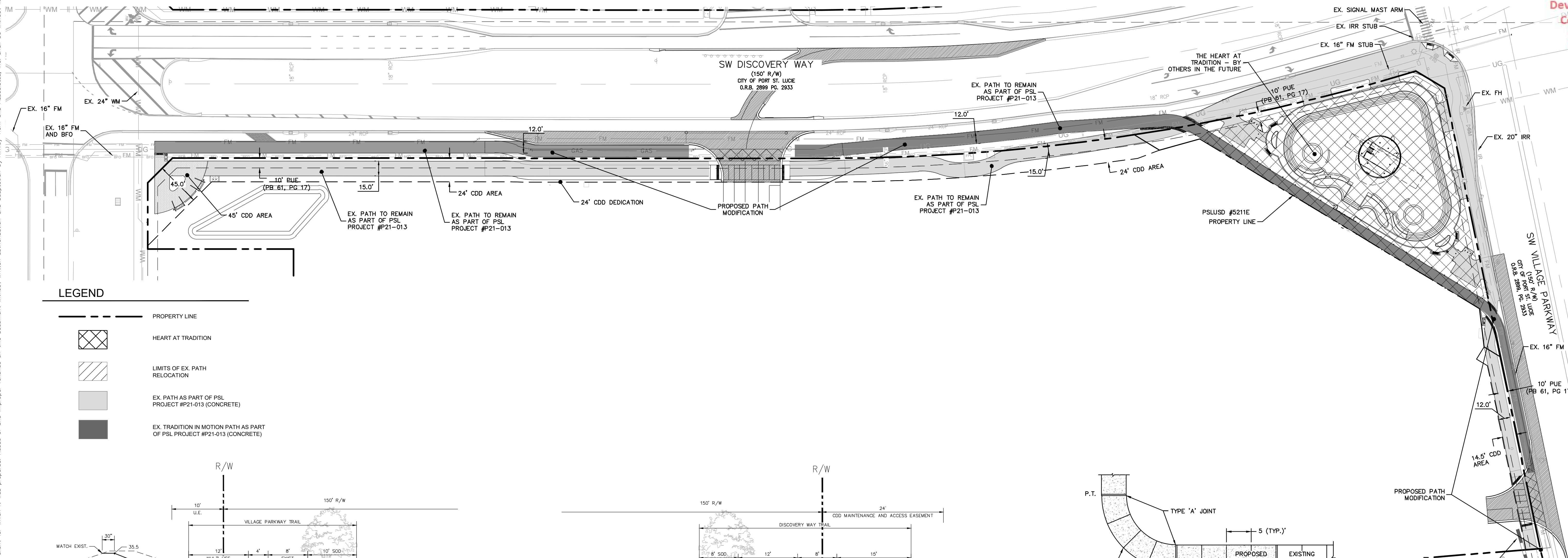
CITY OF PORT ST. LUCIE PROJECT # P21-239
 PSLUSD PROJECT # 5211E

SHEET NUMBER C-200

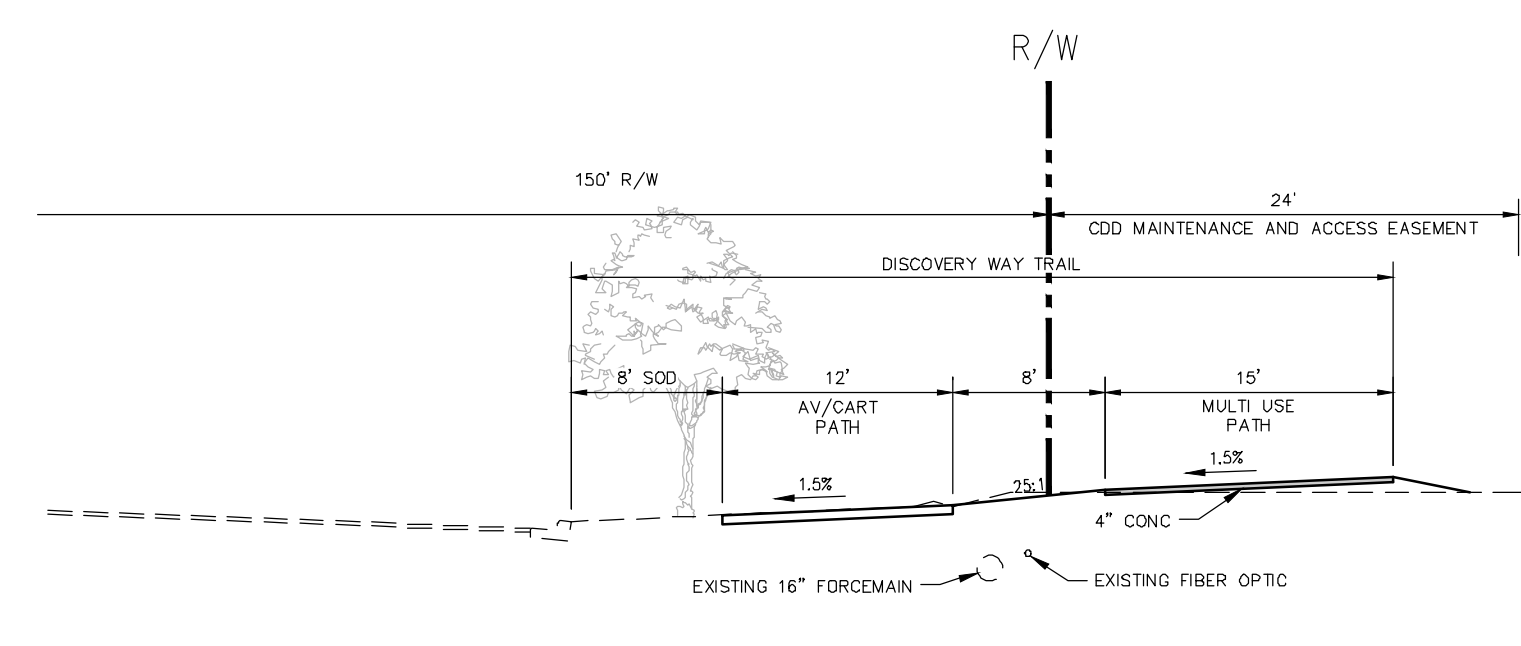
Plotted By: Anderson, Sarah. Sheet: Sect: 147842000 - The Shoppes at the Heart of Tradition. LAYOUT: C-201. TIM PATH MODIFICATION PLAN - 147842000 December 01, 2022 10:59:49am. K:\VRB-LDEV\147842000 - Banyan.pal\CAD\plansheets\C-201-OFFSITE-TIM PATH MODIFICATION PLAN - 147842000.dwg
 This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



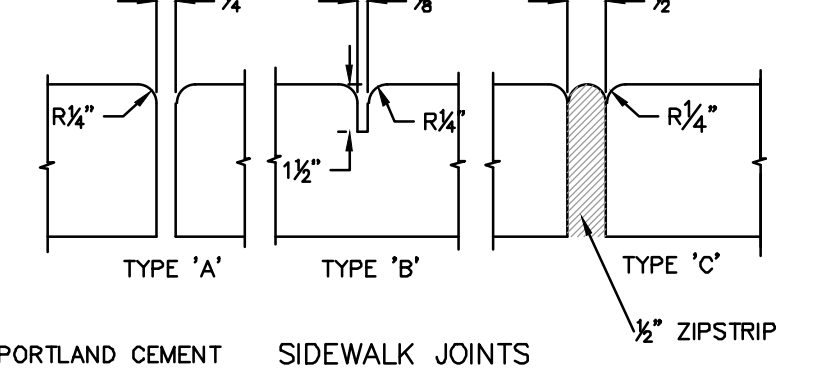
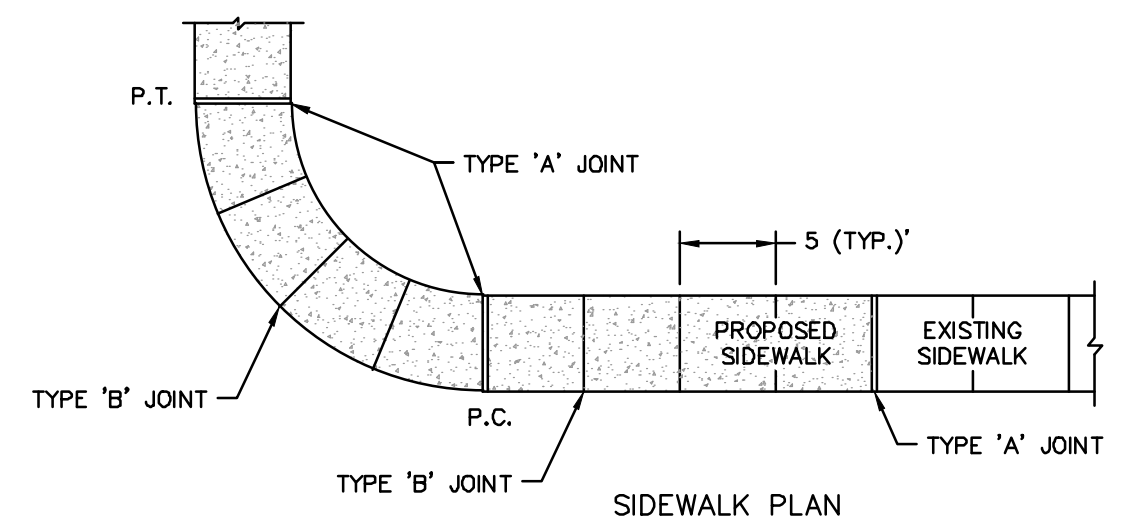
MASON
Development &
Construction
Bid Set



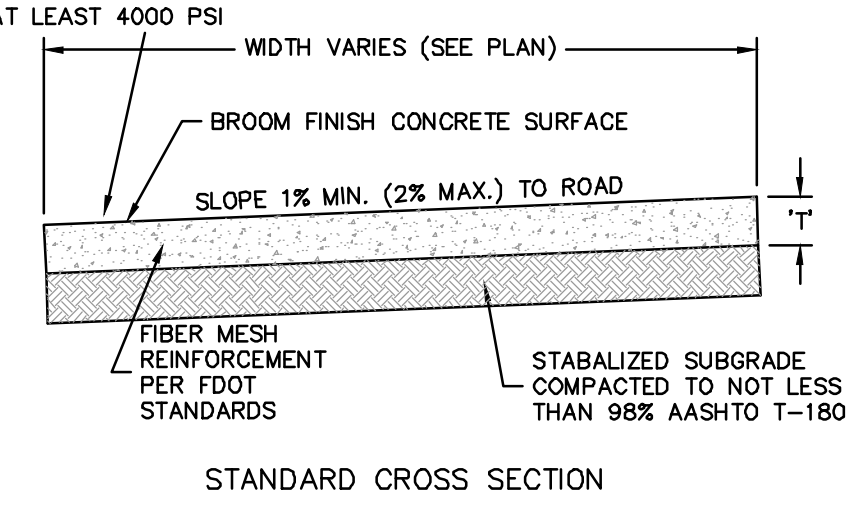
VILLAGE PARKWAY TRAIL TYPICAL SECTION
N.T.S. 150' RIGHT-OF-WAY



DISCOVERY WAY TRAIL TYPICAL SECTION
N.T.S. 150' RIGHT-OF-WAY



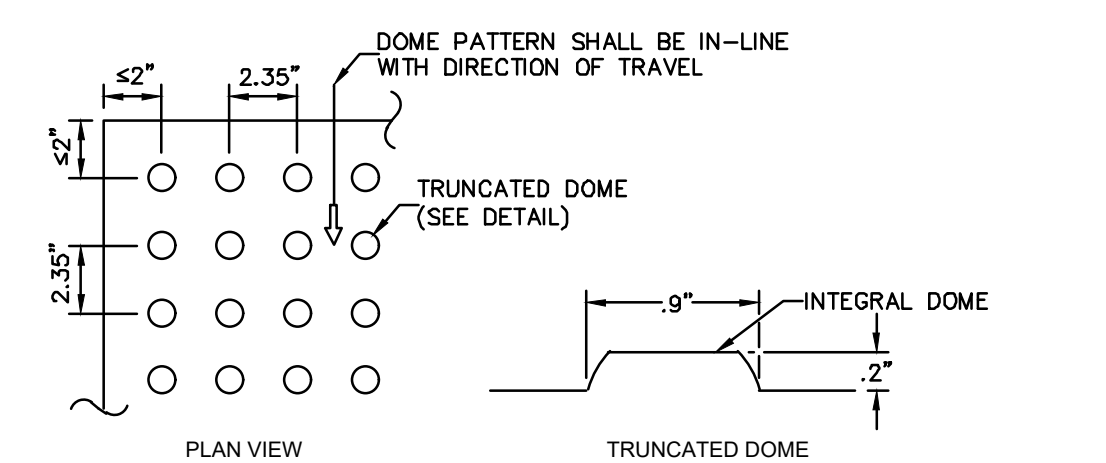
| TYPE | LOCATION |
|------|---|
| 'A' | 100' MAX. SPACING, P.C./P.T. OF CURVES, JUNCTION OF EXISTING AND NEW SIDEWALKS. |
| 'B' | 5'-0" CENTER TO CENTER |
| 'C' | WHERE SIDEWALK ABUTS CONCRETE CURBS, DRIVEWAYS AND SIMILAR STRUCTURES. |



| LOCATION | "T" |
|-----------------------------------|-----|
| PEDESTRIAN ONLY AREAS | 4" |
| DRIVEWAYS AND OTHER TRAFFIC AREAS | 6" |

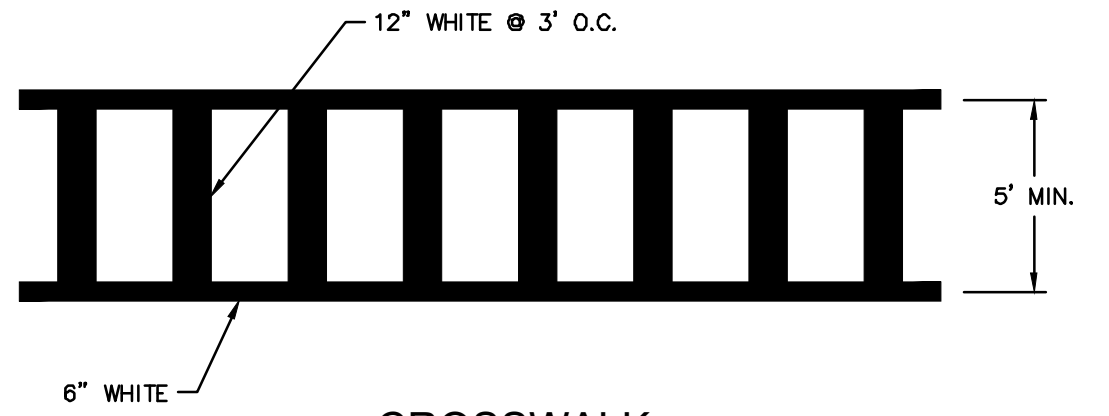
NOTE:
 1. ALL SIDEWALK STREET CROSSINGS MUST MEET THE REQUIREMENTS OF THE AMERICAN DISABILITIES ACT (ADA) COMPLIANCE GUIDE. TRANSITIONS FROM RAMPS TO WALKS, GUTTERS, OR STREETS SHALL BE FLUSH AND FREE OF ABRUPT CHANGES.
 2. ALL ON-SITE SIDEWALKS TO BE 5' MIN. WIDTH.
 3. 4" OF AGGREGATE BENEATH WALKS WITH IN 10 FT OF BUILDING ENTRIES.

CONCRETE SIDEWALK
N.T.S.

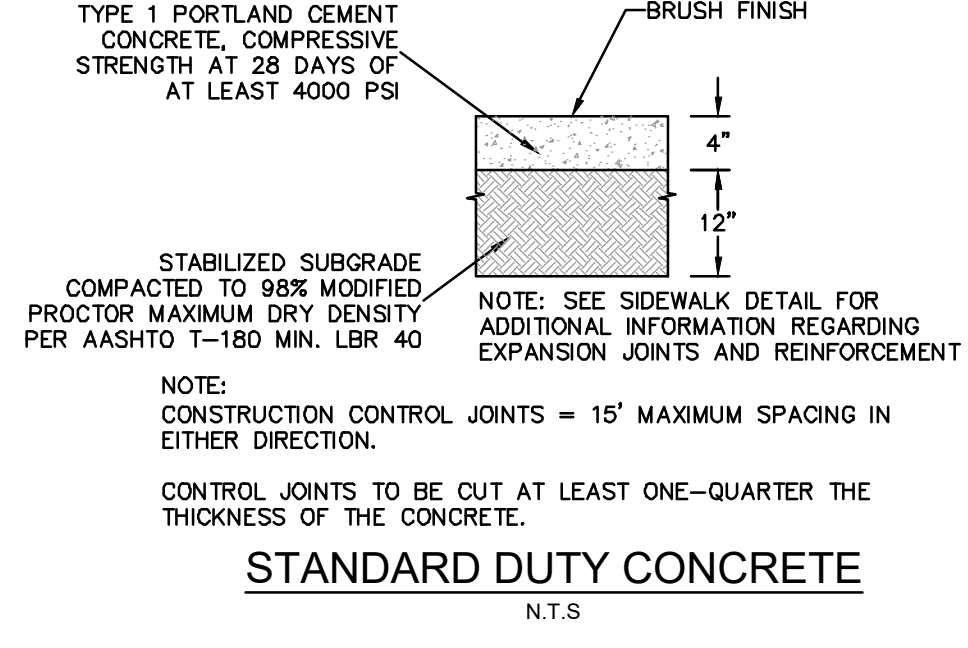


- NOTES**
- DETECTABLE WARNINGS SHALL CONSIST OF RAISED TRUNCATED DOMES WITH A DIAMETER OF NOMINAL 0.9 IN. (23 MM), A HEIGHT OF NOMINAL 0.2 IN. (5MM) AND A CENTER-TO-CENTER SPACING OF NOMINAL 2.35 IN. (60 MM)
 - DETECTABLE WARNINGS SHALL EXTEND THE FULL WIDTH OF THE CURB RAMP (EXCLUSIVE OF FLARED SIDES) AND SHALL EXTEND EITHER THE FULL DEPTH OF THE CURB RAMP OR 24" DEEP MINIMUM MEASURED FROM THE BACK OF THE CURB ON THE RAMP SURFACE.
 - TRANSITION SLOPES ARE NOT TO HAVE DETECTABLE WARNINGS.
 - DETECTABLE WARNINGS SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES, EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT. THE MATERIAL USED TO PROVIDE CONTRAST SHALL BE AN INTEGRAL PART OF THE WALKING SURFACE.

DETECTABLE WARNING
N.T.S.



CROSSWALK
N.T.S.



STANDARD DUTY CONCRETE
N.T.S.



Know what's below.
Call before you dig.

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTORS BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE.
 VERTICAL DATUM
 ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). SUBTRACT 1.55' FROM NAVD 88 ELEVATION TO GET THE NAVD 98 ELEVATION.

CITY OF PORT ST. LUCIE PROJECT # P21-239
 PSLUSD PROJECT # 5211E

| NO. | REVISIONS | DATE | BY |
|-----|-----------|------|----|
| | | | |

Kimley»Horn
 © 2022 KIMLEY-HORN AND ASSOCIATES, INC.
 445 24TH STREET, SUITE 200, VERO BEACH, FL 32960
 PHONE: 772-794-4100
 WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

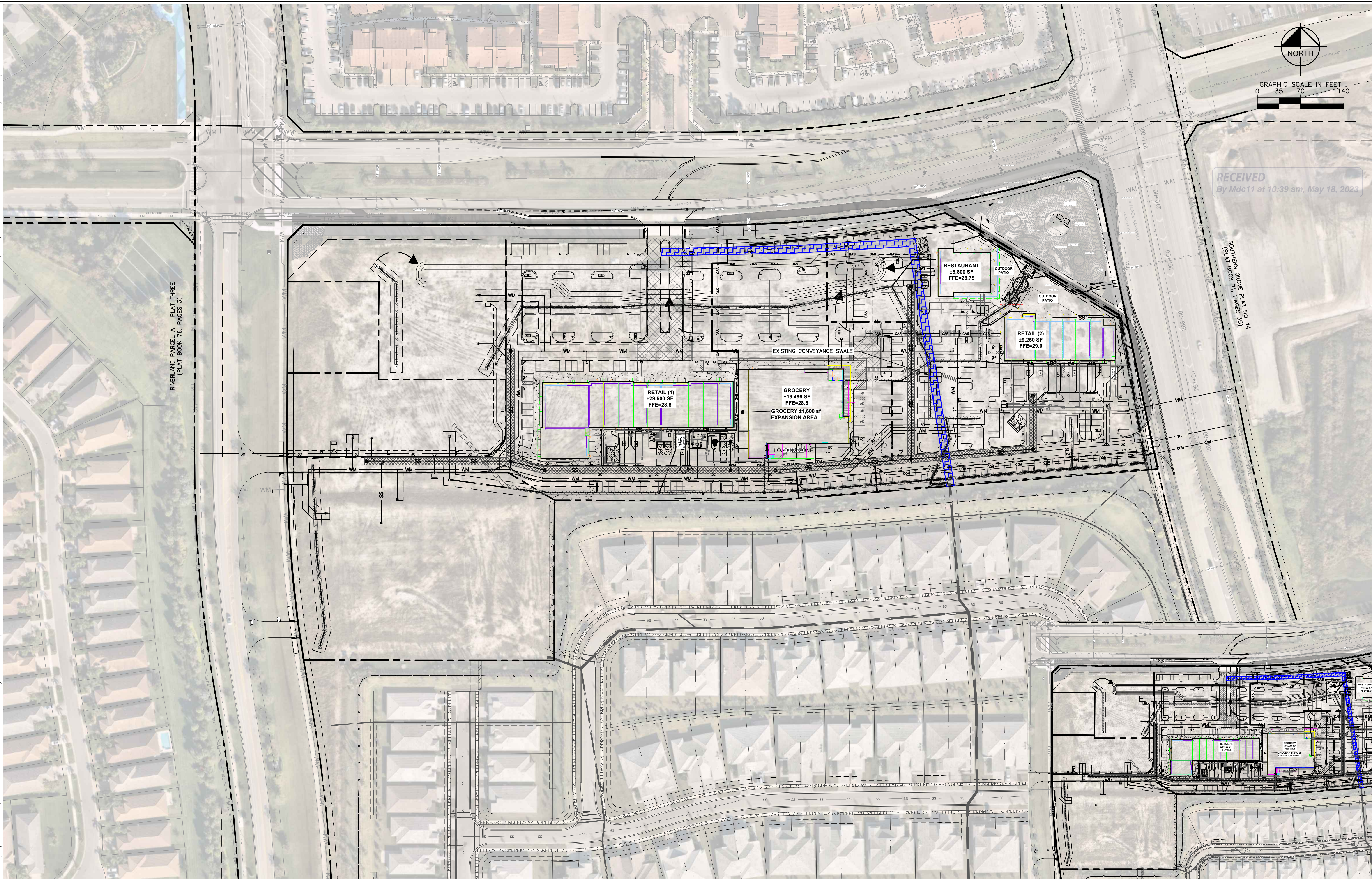
LICENSED PROFESSIONAL
 CHRISTOPHER J. HOLLEN, P.E.
 FLORIDA LICENSE NUMBER 74685
 SCALE AS SHOWN
 DESIGNED BY DFD
 DRAWN BY DFD
 CHECKED BY C/JH DATE:

TIM PATH MODIFICATION PLAN

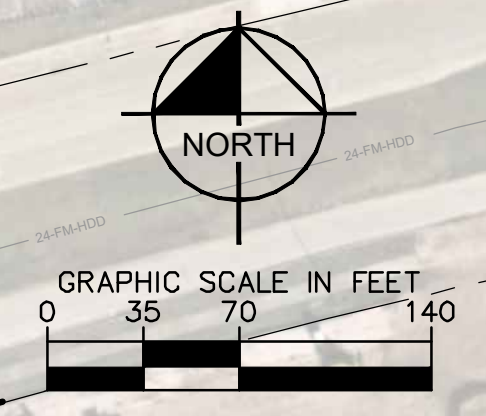
THE SHOPPES AT THE HEART OF TRADITION FOR BANYAN DEVELOPMENT
 SAINT LUCIE COUNTY FLORIDA

SHEET NUMBER
C-201

Plotted By: Anderson, Sarah. Sheet: 147842000 - The Shoppes at the Heart of Tradition. Layout: C-210 DEWATERING PLAN - 147842000. May 16, 2023. 03:26:33pm. K:\WRB_LDEV\147842000 - banovan.plt\CAD\plansheets\C-210 DEWATERING PLAN - 147842000.dwg
 This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse or improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



RECEIVED
 By Mdc11 at 10:39 am, May 18, 2023



RIVERLAND PARCEL A - PLAT THREE
 (PLAT BOOK 76, PAGES 3)

SOUTHERN GROVE PLAT NO. 14
 (PLAT BOOK 71, PAGES 35)

LEGEND

- PROPERTY LINE
- DEWATERING EFFLUENT LOCATION. FINAL LOCATION TO BE DETERMINED BY CONTRACTOR. CONTRACTOR MUST USE A SOCK/BAG TO PROHIBIT TURBID WATER FROM LEAVING SITE.
- APPROXIMATE SANITARY SEWER DEWATERING AREA BY MEANS OF PUMP AND/OR WELL POINT SYSTEMS.
- 401' DIAMETER CIRCLE FOR DRAINAGE SYSTEM (SEE RADIUS OF INFLUENCE CALCS)
- APPROXIMATE LOCATION OF EXISTING CONVEYANCE SWALE
- BLOCK AND AGGREGATE INLET SEDIMENT CONTROL DEVICE
- 333' DIAMETER CIRCLE FOR SANITARY SEWER (SEE RADIUS OF INFLUENCE CALCS)

NOTES

- 1.) ALL DEWATERING ACTIVITIES WILL BE ROUTED TO THE PROPOSED TEMPORARY RETENTION BASIN VIA CONVEYANCE HOSE.
- 2.) EXISTING CONVEYANCE SWALE TO BE REROUTED WHEN CROSSING THE PROPOSED DEWATERING ACTIVITIES

ONSITE DRAINAGE BASIN
 SCALE: 1" = 150'

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTORS BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE.
 VERTICAL DATUM
 ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). SUBTRACT 1.50' FROM NAVD 88 ELEVATION TO GET THE NAVD 83 ELEVATION.

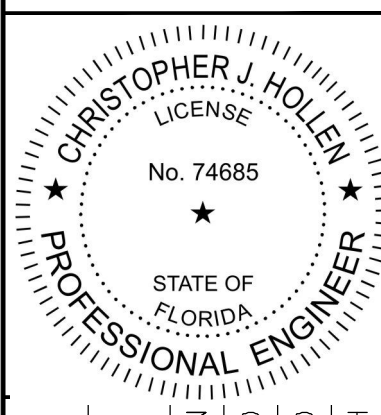


Know what's below.
 Call before you dig.

CITY OF PORT ST. LUCIE PROJECT # P21-239
 PSLUSD PROJECT # 5211E

| NO. | REVISIONS | DATE |
|-----|-----------|------|
| | | |
| | | |

Kimley»Horn
 © 2023 KIMLEY-HORN AND ASSOCIATES, INC.
 445 24TH STREET, SUITE 200, VERO BEACH, FL 32960
 PHONE: 772-794-4100
 WWW.KIMLEY-HORN.COM REGISTRY NO. 35106



KHA PROJECT 147842000
 DATE 8/18/2021
 SCALE AS SHOWN
 DESIGNED BY DFD
 DRAWN BY DFD
 CHECKED BY C/JH

DEWATERING PLAN

THE SHOPPES AT THE HEART OF TRADITION FOR BANYAN DEVELOPMENT
 SAINT LUCIE COUNTY FLORIDA

SHEET NUMBER C-210

Plotted By: Anderson, Sarah - Sheet: 147842000 - The Shoppes at the Heart of Tradition - LAYOUT: C-211 - DEWATERING NOTES - 147842000 - May 16, 2023 03:26:35pm - K:\VIB-LDEVA\147842000 - banyan ps\CAD\plansheets\C-211 DEWATERING PLAN - 147842000.dwg
 This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

DEWATERING NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE APPROPRIATE DEWATERING METHOD. THE DEWATERING METHODOLOGY SHOULD TAKE INTO CONSIDERATION THE REQUIREMENTS FOR DEWATERING EFFLUENT MANAGEMENT. THIS SHOULD BE INCLUDED IN THE BASE BID.
2. THE SEQUENCING OF THE DEWATERING OPERATIONS SHALL BE DETERMINED BY THE CONTRACTOR BASED ON THE PROPOSED CONSTRUCTION SCHEDULE.
3. THE DEWATERING SHALL BE PERFORMED IN ACCORDANCE WITH THE DEWATERING PERMIT FROM THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT, CITY OF PORT ST. LUCIE, AND FDEP.
4. CEC, SFWMD, AND CITY OF PORT ST. LUCIE SHALL BE NOTIFIED THREE DAYS (72 HOURS) PRIOR TO THE START OF ANY DEWATERING ACTIVITIES ON THE SITE.
5. THE CONTRACTOR SHALL ENSURE THAT THE VOLUME/VELOCITY OF THE EFFLUENT DISCHARGE DOES NOT CAUSE EROSION AT THE OUTLET.
6. DEWATERING SHALL CEASE PRIOR TO AND DURING ANY RAIN EVENT.
7. THE SEASONAL HIGH WATER TABLE ELEVATION IS ASSUMED TO BE 22.59' FEET NAVD PER THE EXISTING CONCEPTUAL PERMIT.
8. THE CONTRACTOR SHALL VISUALLY MONITOR THE DEWATERING EFFLUENT DAILY NOTING THE PRESENCE OR ABSENCE OF TURBIDITY, CHEMICAL ODORS, OILY SHEENS, FREE PRODUCT, OR OTHER EVIDENCE OF CONTAMINATION. THE TIME AND DATE OF THE OBSERVATIONS SHALL BE RECORDED IN LOG MAINTAINED BY THE CONTRACTOR. THE CONTRACTOR WILL ALSO MAINTAIN IN THE LOG THE LOCATION AND DURATION OF EACH DEWATERING AREA.
9. IF CONTAMINATION IS IDENTIFIED DURING DEWATERING THE CONTRACTOR SHALL CEASE DEWATERING OPERATIONS IMMEDIATELY, ENSURING THAT SUCH ACTION DOES NOT RESULT IN UNSAFE WORKING CONDITIONS OR CONDITIONS IMMEDIATELY DANGEROUS TO LIFE OR HEALTH.
10. THE CIVIL ENGINEERING CONSULTANT SHALL BE NOTIFIED IMMEDIATELY UPON THE DISCOVERY OF SOIL OR GROUND WATER CONTAMINATION DURING THE EXCAVATION AND DEWATERING OPERATIONS. THE CONTRACTOR SHALL BEGIN MITIGATION PROCEDURES UNDER THE DIRECTION OF THE CIVIL ENGINEERING CONSULTANT.
11. IF SAFE WORKING CONDITIONS PREVAIL, THE CONTRACTOR SHALL ATTEMPT TO VISUALLY ASSESS THE NATURE, EXTENT AND SOURCE OF THE CONTAMINATION USING NON-INVASIVE PROCEDURES UNDER THE DIRECTION OF THE CIVIL ENGINEERING CONSULTANT.
12. UPON DISCOVERY OF PREVIOUSLY UNIDENTIFIED CONTAMINATION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING WORKER HEALTH AND SAFETY AND DETERMINING WHETHER UNSAFE WORKING CONDITIONS PREVAIL. IF UNSAFE WORKING CONDITIONS PREVAIL, THE CONTRACTOR WILL BE RESPONSIBLE FOR STOPPING WORK IMMEDIATELY IN THE AFFECTED AREA(S).
13. THE CIVIL ENGINEERING CONSULTANT WILL CONDUCT A PRELIMINARY ASSESSMENT OF THE AFFECTED AREA(S) AND DETERMINE THE APPROPRIATE COURSE OF ACTION.
14. THE CONTRACTOR SHALL MAINTAIN A SUFFICIENT SUPPLY OF ABSORBENT PADS OR BOOMS IN THE EVENT THAT FREE PRODUCT IS IDENTIFIED DURING DEWATERING. THE PADS AND BOOMS MAY BE USED TO COLLECT OR CONTAIN THE FREE PRODUCT AND PRECLUDE IT FROM SPREADING BEYOND THE IMMEDIATELY AFFECTED AREA.
15. THE NATURE AND EXTENT OF ANY IDENTIFIED CONTAMINATION WILL DICTATE THE CORRESPONDING MITIGATION PROCEDURES. IT MAY BE POSSIBLE TO RESUME DEWATERING USING APPROPRIATE MEANS TO TREAT OR OTHERWISE ADDRESS THE CONTAMINATION. HOWEVER, SUCH DETERMINATIONS SHALL BE MADE BY THE CIVIL ENGINEERING CONSULTANT.
16. THE AREAS OF DEWATERING SHOWN ARE APPROXIMATE. ANY ADDITIONAL DEWATERING AREAS REQUIRED SHALL BE INCLUDED IN THE CONTRACTORS BASE BID..

WATER QUALITY MONITORING NOTES:

WATER QUALITY MONITORING FOR TURBIDITY SHALL BE TAKEN A MINIMUM OF TWICE DAILY DURING DEWATERING OPERATIONS. TURBIDITY LEVELS SHALL BE MONITORED IN ACCORDANCE WITH THE FOLLOWING PROGRAM:

TURBIDITY SHALL BE EXPRESSED IN NEPHELOMETRIC TURBIDITY UNITS (NTU).

BACKGROUND SAMPLES SHALL BE TAKEN 100 FEET UPSTREAM OF THE DEWATERING POINT OF DISCHARGE IN THE EXISTING CATCH BASIN SHOWN. UPSTREAM BACKGROUND SAMPLES MUST BE TAKEN AT A MINIMUM OF TWICE DAILY TO DETERMINE COMPLIANCE WITH STATE WATER QUALITY STANDARDS FOR TURBIDITY.

SAMPLES SHALL BE TAKEN TWICE DAILY, WITH AT LEAST A FOUR-HOUR INTERVAL, AT THE DEWATERING DISCHARGE FROM THE SITE.

MONITORING SHALL BEGIN ON THE FIRST DAY OF DEWATERING ACTIVITIES. MONITORING SHALL CEASE WHEN ALL DEWATERING HAS BEEN COMPLETED. THE MONITORING DATA MUST DEMONSTRATE THAT COMPLIANCE TURBIDITY SAMPLES ARE LESS THAN 29 NTU'S ABOVE NATURAL BACKGROUND TURBIDITY LEVELS.

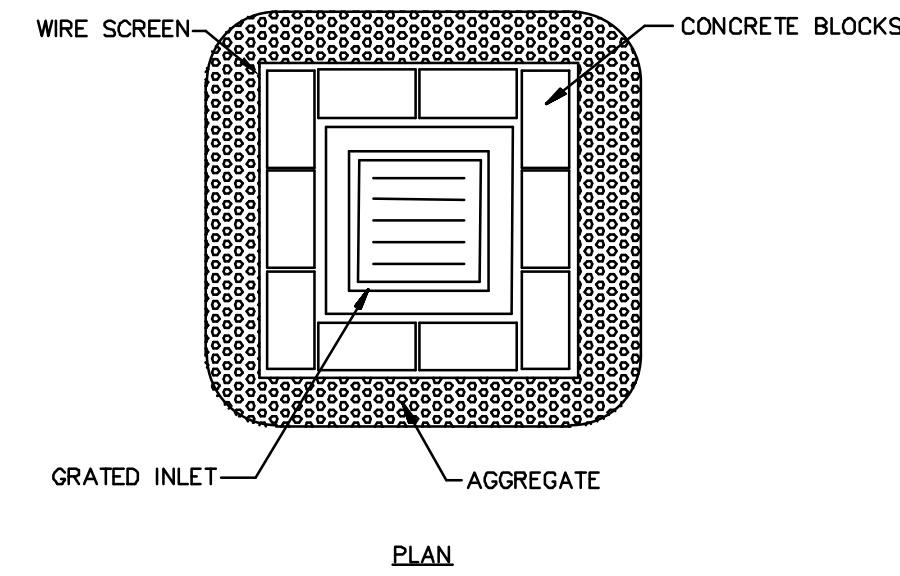
ALL MONITORING DATA SHALL BE MAINTAINED ON SITE AND BE AVAILABLE TO DISTRICT STAFF DURING REGULAR BUSINESS HOURS. ALL MONITORING DATA SHALL BE SUBMITTED WITHIN ONE (1) WEEK OF ANALYSIS AND THE MONITORING REPORTS SHALL CONTAIN THE FOLLOWING INFORMATION: (1) PERMIT AND APPLICATION NUMBER; (2) DATES OF SAMPLING AND ANALYSIS; (3) A STATEMENT DESCRIBING THE METHODS USED IN COLLECTION, HANDLING, STORAGE AND ANALYSIS OF THE SAMPLES; (4) A MAP INDICATING THE SAMPLING LOCATIONS AND (5) A STATEMENT BY THE INDIVIDUAL RESPONSIBLE FOR IMPLEMENTATION OF THE SAMPLING PROGRAM CONCERNING THE AUTHENTICITY, PRECISION, LIMITS OF DETECTION AND ACCURACY OF THE DATA.

MONITORING REPORTS SHALL ALSO INCLUDE THE FOLLOWING INFORMATION FOR EACH SAMPLE THAT IS TAKEN:

(A) TIME OF DAY SAMPLES TAKEN;
 (B) DEPTH OF WATER BODY;
 (C) DEPTH OF SAMPLES;
 (D) ANTECEDENT WEATHER CONDITIONS;
 (E) WIND DIRECTION AND VELOCITY; AND
 (F) TIDAL STAGE AND DIRECTION OF FLOW.

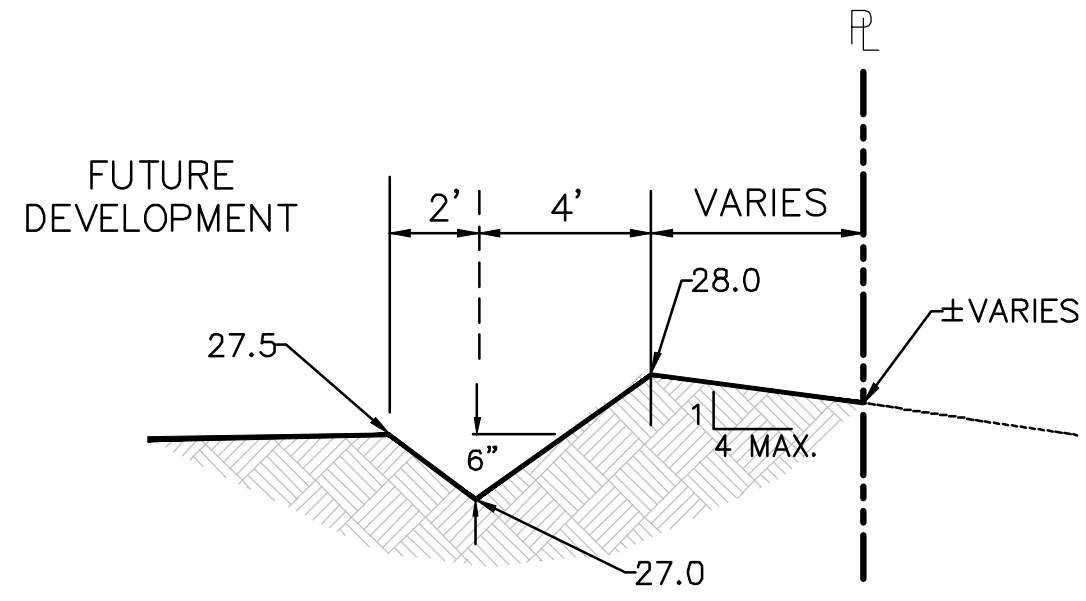
IF WATER QUALITY MONITORING REVEALS TURBIDITY LEVELS DOWNSTREAM OF THE SITE TO BE MORE THAN 29 NTU'S ABOVE NATURAL BACKGROUND TURBIDITY LEVELS, DEWATERING ACTIVITIES SHALL CEASE AND DISTRICT COMPLIANCE STAFF SHALL BE NOTIFIED IMMEDIATELY. WORK SHALL NOT RESUME UNTIL DISTRICT STAFF ARE SATISFIED THAT ADEQUATE CORRECTIVE MEASURES HAVE BEEN TAKEN AND TURBIDITY HAS RETURNED TO ACCEPTABLE LEVELS.

MONITORING REPORTS SHALL BE SUBMITTED TO THE DISTRICT ENVIRONMENTAL RESOURCE COMPLIANCE STAFF. FAILURE TO SUBMIT REPORTS IN A TIMELY MANNER (AS INDICATED ABOVE) CONSTITUTES GROUNDS FOR REVOCATION OF THE PERMIT, ENFORCEMENT OR OTHER ACTION BY THE DISTRICT.

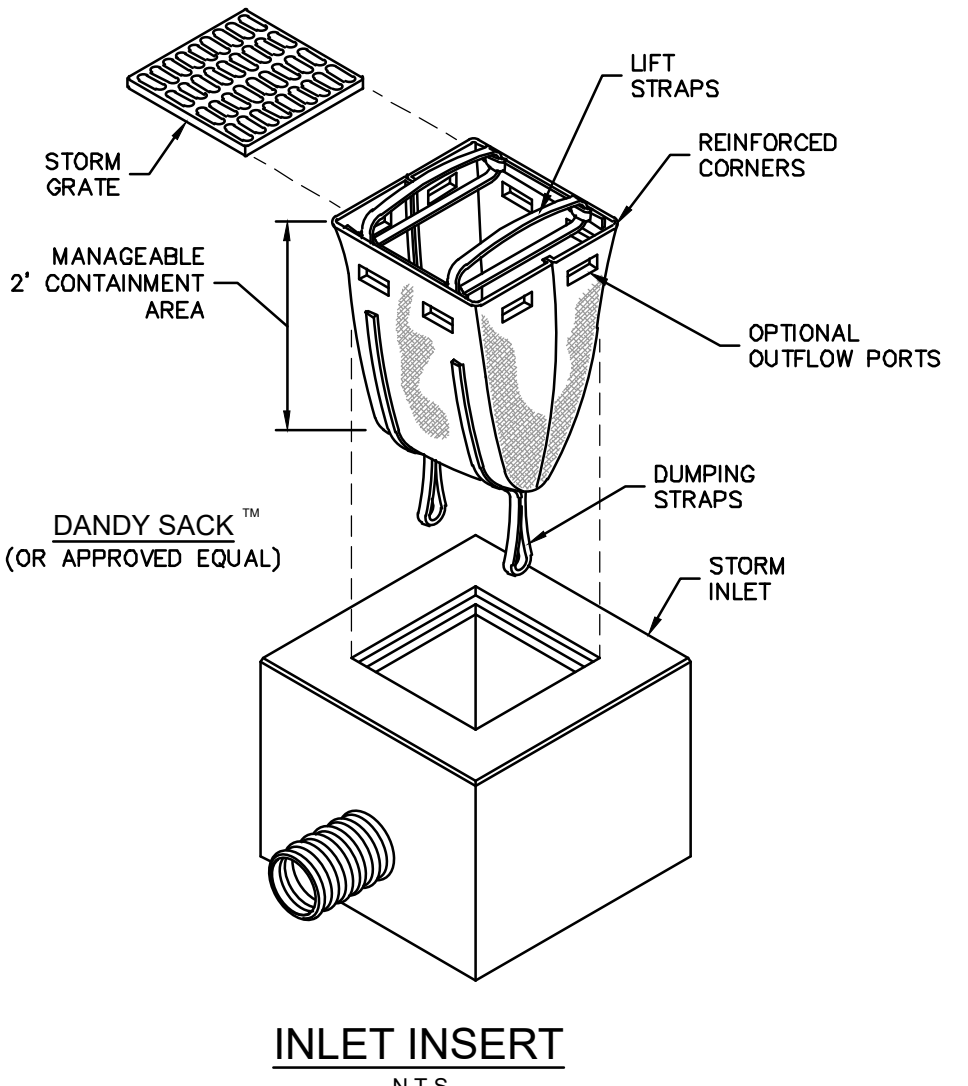


1. PLACE CONCRETE BLOCKS IN A SINGLE ROW AROUND PERIMETER OF INLET ON THEIR SIDES, WITH ENDS OF ADJACENT BLOCKS ABUTTING.
2. HEIGHT OF BARRIER VARIES. USE STACKS OF 4-INCH, 8-INCH, OR 12" BLOCKS. MIN. HEIGHT OF BARRIER 12" AND MAX. HEIGHT OF 24"
3. PLACE HARDWARE CLOTH/WIRE MESH W/ MAX. 1/2" OPENINGS OVER VERTICAL FACE OF CONCRETE BLOCKS.
4. THE AGGREGATE SHALL BE ANY NON-ERODIBLE MATERIAL SUCH AS LOOSE ROCK, BROKEN CONCRETE THAT WILL SLOW THE FLOW OF THE WATER AND ALLOW IT TO FILTER THROUGH AND OVER THE MATERIAL BEFORE ENTERING THE INLET.

BLOCK AND AGGREGATE INLET SEDIMENT DEVICE
N.T.S.



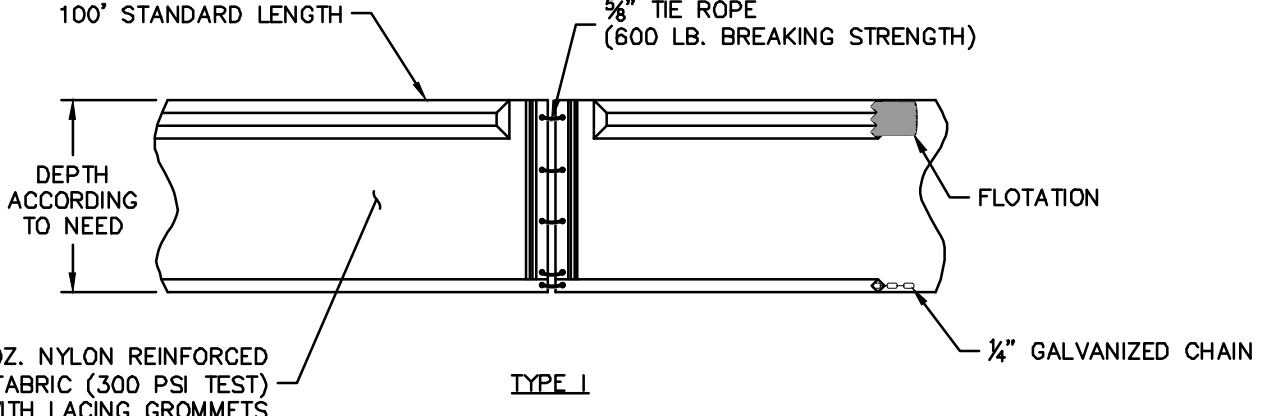
TYPICAL SWALE SECTION



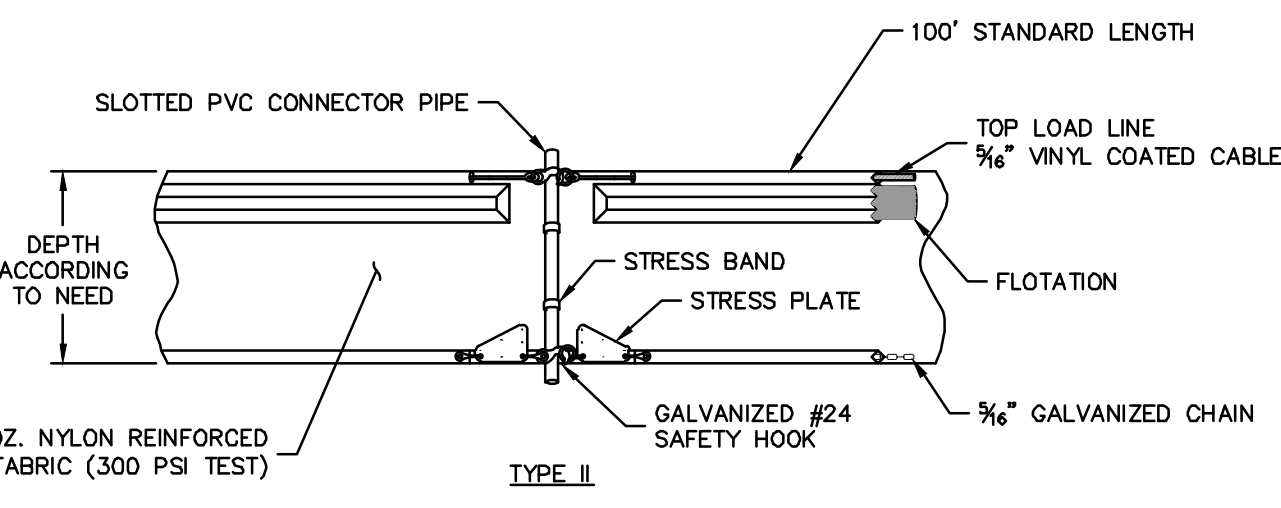
| LOW TO MODERATE FLOW GEOTEXTILE FABRIC SPECIFICATION TABLE | | |
|---|-------------|-------------------|
| PROPERTIES | TEST METHOD | UNITS |
| GRAB TENSILE STRENGTH | ASTM D-4632 | 300 LBS |
| GRAB TENSILE ELONGATION | ASTM D-4632 | 20 % |
| PUNCTURE | ASTM D-4833 | 120 LBS |
| MULLEN BURST | ASTM D-3786 | 800 PSI |
| TRAPEZOID TEAR | ASTM D-4533 | 120 LBS |
| UV RESISTANCE | ASTM D-4355 | 80 % |
| APPARENT OPENING SIZE | ASTM D-4751 | 40 US SIEVE |
| FLOW RATE | ASTM D-4491 | 40 GAL/MIN/SQ FT |
| PERMITTIVITY | ASTM D-4491 | 0.55 SEC -1 |
| MODERATE TO HIGH FLOW GEOTEXTILE FABRIC SPECIFICATION TABLE | | |
| PROPERTIES | TEST METHOD | UNITS |
| GRAB TENSILE STRENGTH | ASTM D-4632 | 265 LBS |
| GRAB TENSILE ELONGATION | ASTM D-4632 | 20 % |
| PUNCTURE | ASTM D-4833 | 135 LBS |
| MULLEN BURST | ASTM D-3786 | 420 PSI |
| TRAPEZOID TEAR | ASTM D-4533 | 45 LBS |
| UV RESISTANCE | ASTM D-4355 | 90 % |
| APPARENT OPENING SIZE | ASTM D-4751 | 20 US SIEVE |
| FLOW RATE | ASTM D-4491 | 200 GAL/MIN/SQ FT |
| PERMITTIVITY | ASTM D-4491 | 1.5 SEC -1 |

- NOTES:**
1. FOR TEMPORARY USE TO CAPTURE LARGER DIAMETER SEDIMENTS. NOT TO BE UTILIZED AS THE ONLY SEDIMENT CONTAINMENT SYSTEM
 2. GEOTEXTILE SHALL BE A WOVEN POLYPROPYLENE FABRIC THAT MEETS OR EXCEEDS REQUIREMENTS IN THE SPECIFICATIONS TABLE.
 3. AN OIL ADSORBENT PAD OR PILLOW CAN BE PURCHASED WHEN OIL SPILLS ARE A CONCERN.
 4. INSPECT PER REGULATORY REQUIREMENTS.

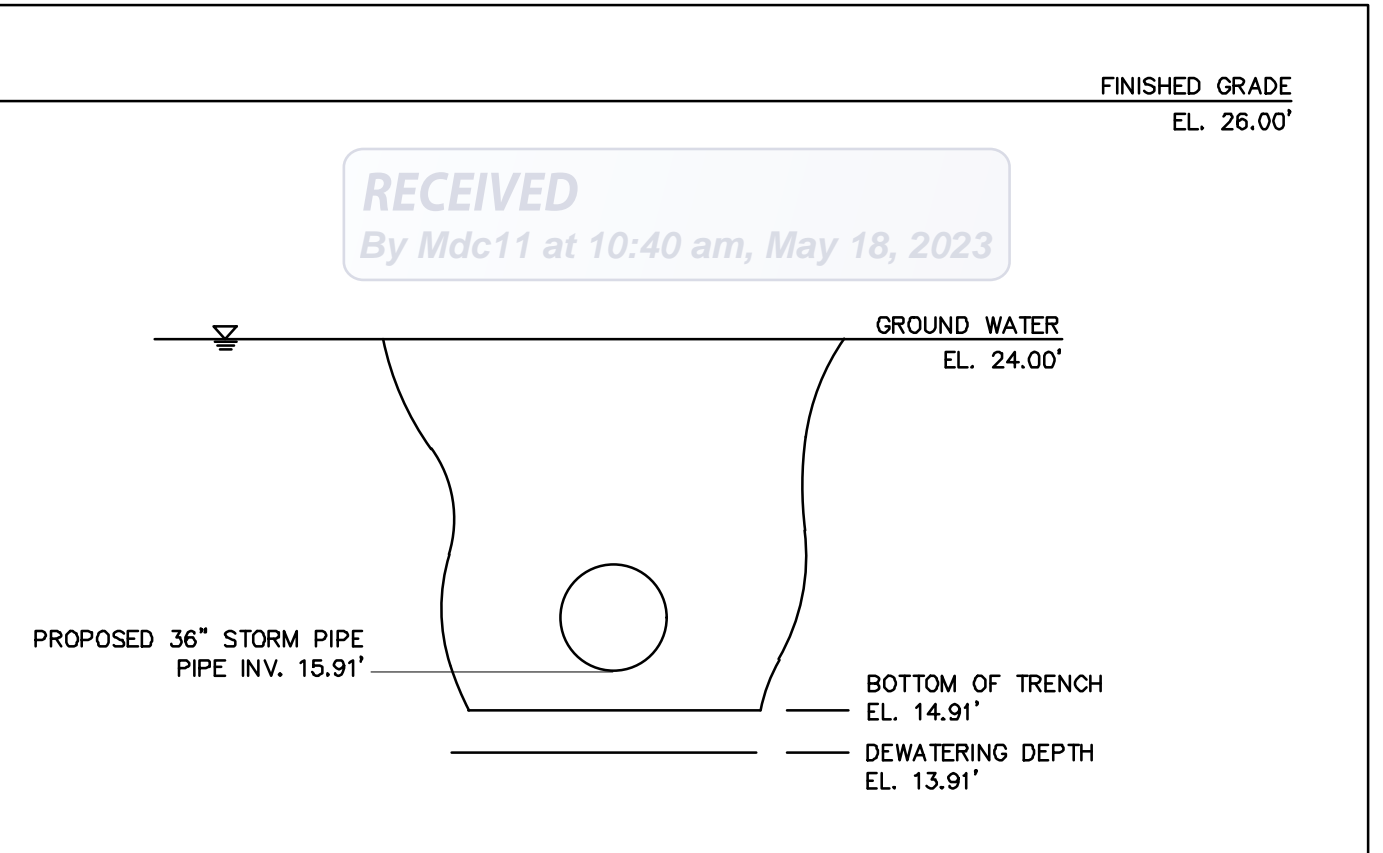
TYPE I DOT
FOR WATERS WITH LOW CURRENTS (NO MORE THAN ONE FOOT PER SECOND) AND LIGHT WINDS; LAKES, PONDS, SMALL STREAMS, MARSHES, FLEXIBLE TOP FLOTATION SECTION WITH ENCAPSULATED EPS FOAM FLOTATION LOGS (6"x6"x4")



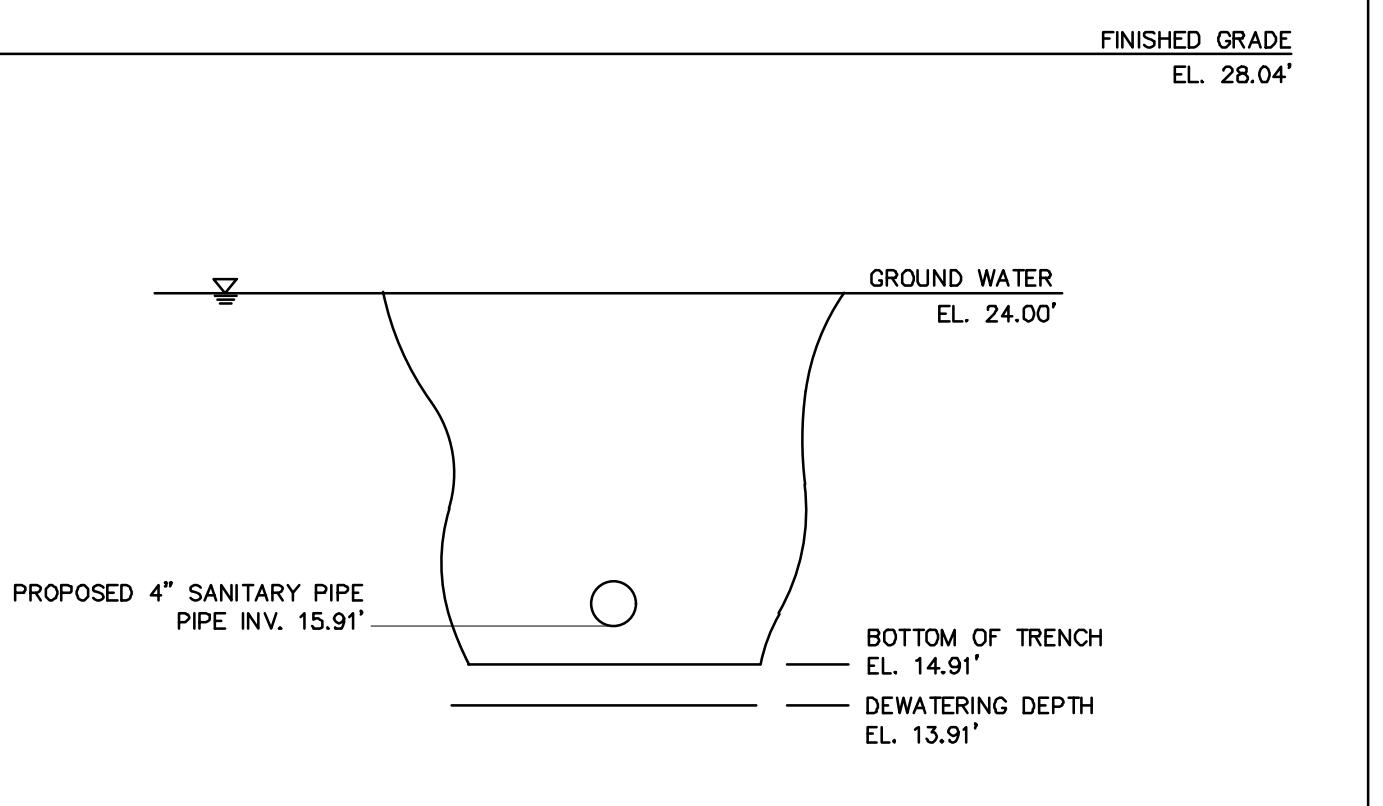
TYPE II DOT
FOR HIGHER CURRENT WATERS (UP TO FIVE FEET PER SECOND); DEEPER LAKES, STREAMS, INTERCOASTAL AND TIDAL AREAS. INCLUDES AN ENCAPSULATED STEEL LOAD CABLE ALONG TOP OF BARRIER AND 8"x8"x4" FLOTATION LOGS. WEAR STRESS POINTS ARE REINFORCED WITH SHIELDS.



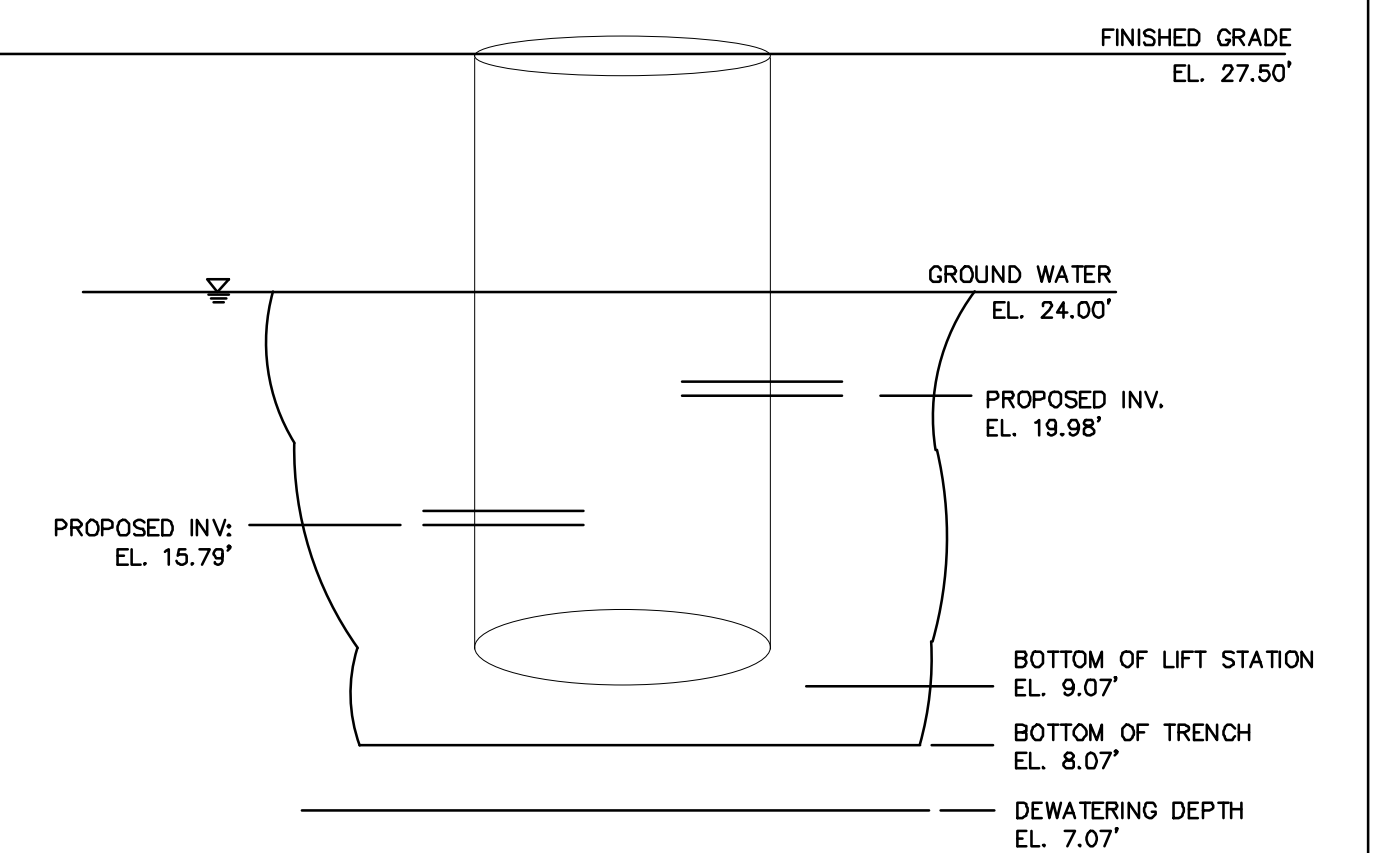
FLOATING TURBIDITY BARRIERS
N.T.S.



ON-SITE DEWATERING CROSS-SECTION BETWEEN DS-22 & DS-23
N.T.S.
ALL ELEVATIONS REFERENCE THE NAVD



ON-SITE DEWATERING CROSS-SECTION AT SS-01
N.T.S.
ALL ELEVATIONS REFERENCE THE NAVD



LIFT STATION DEWATERING CROSS-SECTION
N.T.S.
ALL ELEVATIONS REFERENCE THE NAVD

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE.

VERTICAL DATUM
ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). SUBTRACT 1.55' FROM NAVD 29 ELEVATION TO GET THE NAVD 88 ELEVATION.

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

CITY OF PORT ST. LUCIE PROJECT # P21-239
PULSUD PROJECT # 5211E

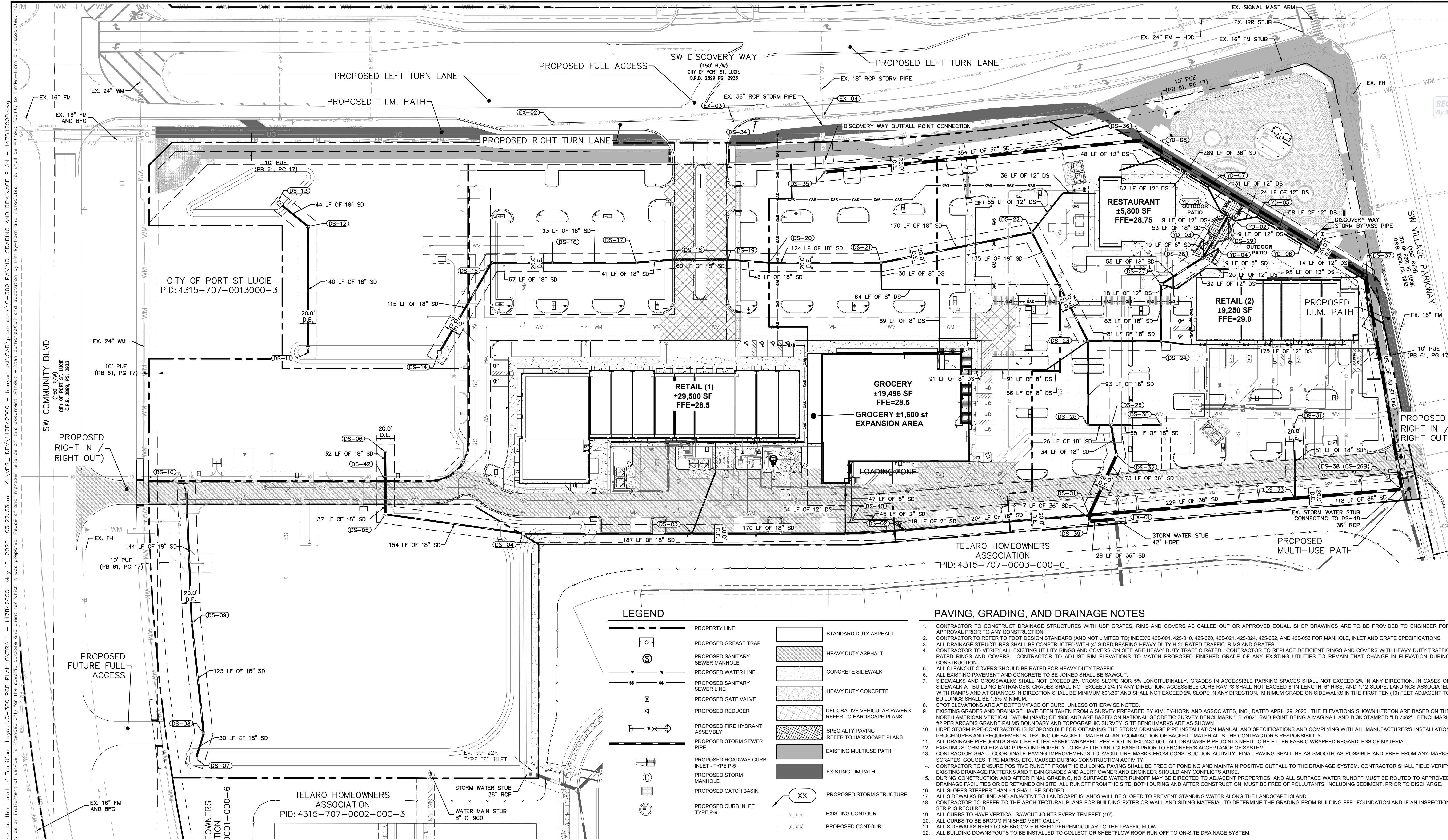
| NO. | REVISIONS | DATE | BY |
|-----|-----------|------|----|
| | | | |

Kimley»Horn
© 2023 KIMLEY-HORN AND ASSOCIATES, INC.
445 24TH STREET, SUITE 200, VERO BEACH, FL 32960
PHONE: 772-794-4100
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

CHRISTOPHER J. HOLLEN
LICENSE
No. 74685
STATE OF FLORIDA
PROFESSIONAL ENGINEER
KHA PROJECT 147842000
DATE 8/18/2021
SCALE AS SHOWN
DESIGNED BY DFD
DRAWN BY DFD
CHECKED BY C/JH

DEWATERING NOTES

THE SHOPPES AT THE HEART OF TRADITION
FOR BANYAN DEVELOPMENT
SAINT LUCIE COUNTY FLORIDA



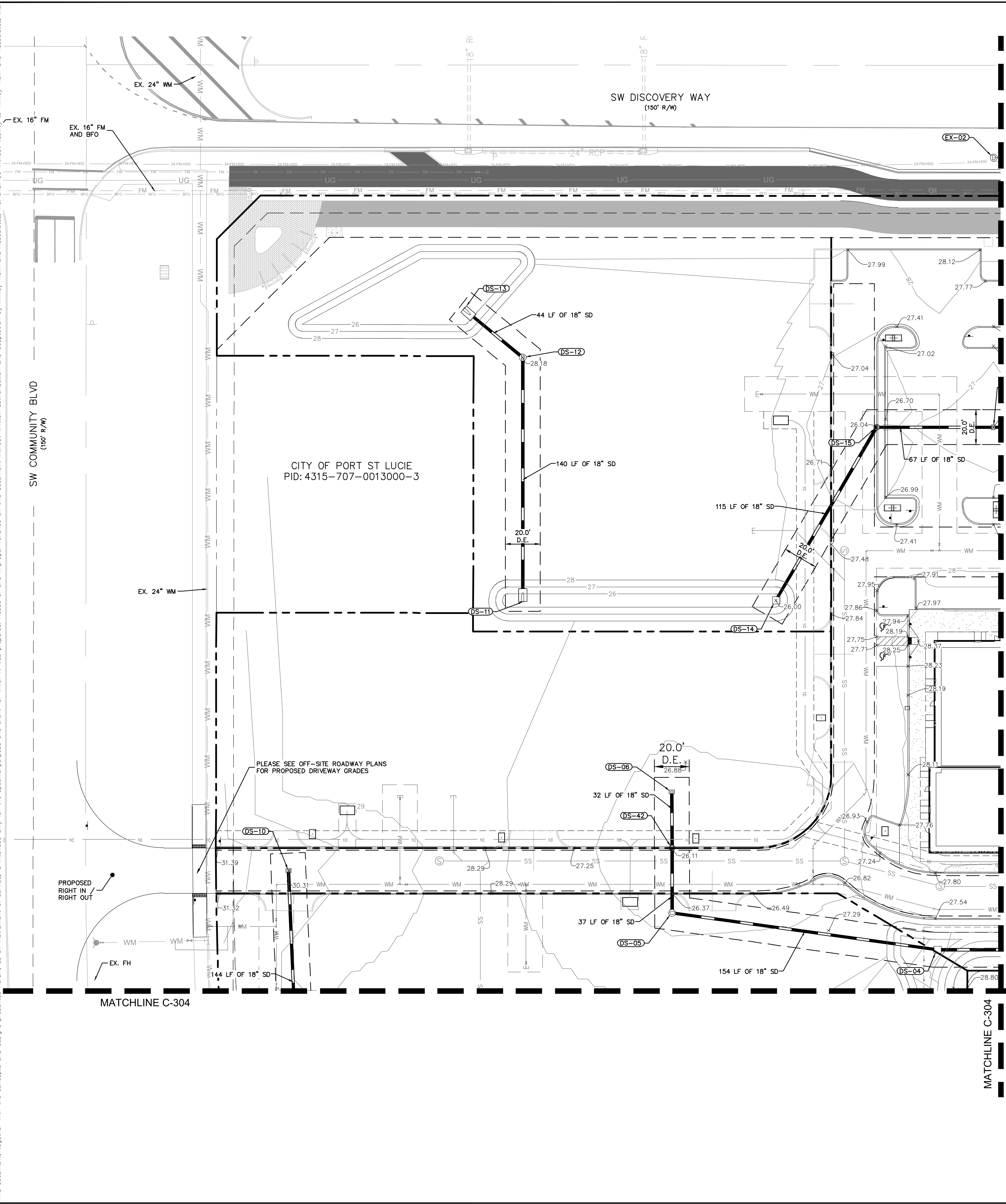
LEGEND

| | | | |
|--|--|--|--|
| | PROPERTY LINE | | STANDARD DUTY ASPHALT |
| | PROPOSED GREASE TRAP | | HEAVY DUTY ASPHALT |
| | PROPOSED SANITARY SEWER MANHOLE | | CONCRETE SIDEWALK |
| | PROPOSED WATER LINE | | HEAVY DUTY CONCRETE |
| | PROPOSED SANITARY SEWER LINE | | DECORATIVE VEHICULAR PAVERS REFER TO HARDSCAPE PLANS |
| | PROPOSED GATE VALVE | | SPECIALTY PAVING REFER TO HARDSCAPE PLANS |
| | PROPOSED REDUCER | | EXISTING MULTIUSE PATH |
| | PROPOSED FIRE HYDRANT ASSEMBLY | | EXISTING TIM PATH |
| | PROPOSED STORM SEWER PIPE | | PROPOSED STORM STRUCTURE |
| | PROPOSED ROADWAY CURB INLET - TYPE P-5 | | EXISTING CONTOUR |
| | PROPOSED STORM MANHOLE | | PROPOSED CONTOUR |
| | PROPOSED CATCH BASIN | | |
| | PROPOSED CURB INLET TYPE P-9 | | |

- ### PAVING, GRADING, AND DRAINAGE NOTES
- CONTRACTOR TO CONSTRUCT DRAINAGE STRUCTURES WITH USF GRATES, RIMS AND COVERS AS CALLED OUT OR APPROVED EQUAL. SHOP DRAWINGS ARE TO BE PROVIDED TO ENGINEER FOR APPROVAL PRIOR TO ANY CONSTRUCTION.
 - CONTRACTOR TO REFER TO FOOT DESIGN STANDARD (AND NOT LIMITED TO) INDEX'S 425-001, 425-010, 425-020, 425-021, 425-024, 425-052, AND 425-053 FOR MANHOLE, INLET AND GRATE SPECIFICATIONS.
 - ALL DRAINAGE STRUCTURES SHALL BE CONSTRUCTED WITH (4) SIDED BEARING HEAVY DUTY H-20 RATED TRAFFIC RIMS AND GRATES.
 - CONTRACTOR TO VERIFY ALL EXISTING UTILITY RINGS AND COVERS ON SITE ARE HEAVY DUTY TRAFFIC RATED. CONTRACTOR TO REPLACE DEFICIENT RINGS AND COVERS WITH HEAVY DUTY TRAFFIC RATED RINGS AND COVERS. CONTRACTOR TO ADJUST RIM ELEVATIONS TO MATCH PROPOSED FINISHED GRADE OF ANY EXISTING UTILITIES TO REMAIN THAT CHANGE IN ELEVATION DURING CONSTRUCTION.
 - ALL CLEANOUT COVERS SHOULD BE RATED FOR HEAVY DUTY TRAFFIC.
 - ALL EXISTING PAVEMENT AND CONCRETE TO BE JOINED SHALL BE SAWCUT.
 - SIDEWALKS AND CROSSWALKS SHALL NOT EXCEED 2% CROSS SLOPE NOR 5% LONGITUDINALLY. GRADES IN ACCESSIBLE PARKING SPACES SHALL NOT EXCEED 2% IN ANY DIRECTION. IN CASES OF SIDEWALK AT BUILDING ENTRANCES, GRADES SHALL NOT EXCEED 2% IN ANY DIRECTION. ACCESSIBLE CURB RAMPS SHALL NOT EXCEED 6" IN LENGTH, 6" RISE, AND 1:12 SLOPE. LANDINGS ASSOCIATED WITH RAMPS AND AT CHANGES IN DIRECTION SHALL BE MINIMUM 60"x60" AND SHALL NOT EXCEED 2% SLOPE IN ANY DIRECTION. MINIMUM GRADE ON SIDEWALKS IN THE FIRST TEN (10) FEET ADJACENT TO BUILDINGS SHALL BE 1.5% MINIMUM.
 - SPOT ELEVATIONS ARE AT BOTTOM/FACE OF CURB UNLESS OTHERWISE NOTED.
 - EXISTING GRADES AND DRAINAGE HAVE BEEN TAKEN FROM A SURVEY PREPARED BY KIMLEY-HORN AND ASSOCIATES, INC., DATED APRIL 29, 2020. THE ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988 AND ARE BASED ON NATIONAL GEODETIC SURVEY BENCHMARK "LB 7062", SAID POINT BEING A MAG NAIL AND DISK STAMPED "LB 7062" BENCHMARK #2 PER ARCADIS GRANITE PALMS BOUNDARY AND TOPOGRAPHIC SURVEY. SITE BENCHMARKS ARE AS SHOWN.
 - HDPE STORM PIPE-CONTRACTOR IS RESPONSIBLE FOR OBTAINING THE STORM DRAINAGE PIPE INSTALLATION MANUAL AND SPECIFICATIONS AND COMPLYING WITH ALL MANUFACTURER'S INSTALLATION PROCEDURES AND REQUIREMENTS. TESTING OF BACKFILL MATERIAL AND COMPACTION OF BACKFILL MATERIAL IS THE CONTRACTOR'S RESPONSIBILITY.
 - ALL DRAINAGE PIPE JOINTS SHALL BE FILTER FABRIC WRAPPED PER FOOT INDEX #30-001. ALL DRAINAGE PIPE JOINTS NEED TO BE FILTER FABRIC WRAPPED REGARDLESS OF MATERIAL.
 - EXISTING STORM INLETS AND PIPES ON PROPERTY TO BE JETTED AND CLEANED PRIOR TO ENGINEER'S ACCEPTANCE OF SYSTEM.
 - CONTRACTOR SHALL COORDINATE PAVING IMPROVEMENTS TO AVOID TIRE MARKS FROM CONSTRUCTION ACTIVITY. FINAL PAVING SHALL BE AS SMOOTH AS POSSIBLE AND FREE FROM ANY MARKS, SCRAPS, GOUGES, TIRE MARKS, ETC. CAUSED DURING CONSTRUCTION ACTIVITY.
 - CONTRACTOR TO ENSURE POSITIVE RUNOFF FROM THE BUILDING. PAVING SHALL BE FREE OF PONDING AND MAINTAIN POSITIVE OUTFALL TO THE DRAINAGE SYSTEM. CONTRACTOR SHALL FIELD VERIFY EXISTING DRAINAGE PATTERNS AND TIE-IN GRADES AND ALERT OWNER AND ENGINEER SHOULD ANY CONFLICTS ARISE.
 - DURING CONSTRUCTION AND AFTER FINAL GRADING, NO SURFACE WATER RUNOFF MAY BE DIRECTED TO ADJACENT PROPERTIES, AND ALL SURFACE WATER RUNOFF MUST BE ROUTED TO APPROVED DRAINAGE FACILITIES OR BE RETAINED ON SITE. ALL RUNOFF FROM THE SITE, BOTH DURING AND AFTER CONSTRUCTION, MUST BE FREE OF POLLUTANTS, INCLUDING SEDIMENT, PRIOR TO DISCHARGE.
 - ALL SLOPES STEEPER THAN 6:1 SHALL BE SOODED.
 - ALL SIDEWALKS BEHIND AND ADJACENT TO LANDSCAPE ISLANDS WILL BE SLOPED TO PREVENT STANDING WATER ALONG THE LANDSCAPE ISLAND.
 - CONTRACTOR TO REFER TO THE ARCHITECTURAL PLANS FOR BUILDING EXTERIOR WALL AND SIDING MATERIAL TO DETERMINE THE GRADING FROM BUILDING FFE FOUNDATION AND IF AN INSPECTION STRIP IS REQUIRED.
 - ALL CURBS TO HAVE VERTICAL SAWCUT JOINTS EVERY TEN FEET (10').
 - ALL CURBS TO BE BROOM FINISHED VERTICALLY.
 - ALL SIDEWALKS NEED TO BE BROOM FINISHED PERPENDICULAR TO THE TRAFFIC FLOW.
 - ALL BUILDING DOWNSPOUTS TO BE INSTALLED TO COLLECT OR SHEETFLOW ROOF RUN OFF TO ON-SITE DRAINAGE SYSTEM.

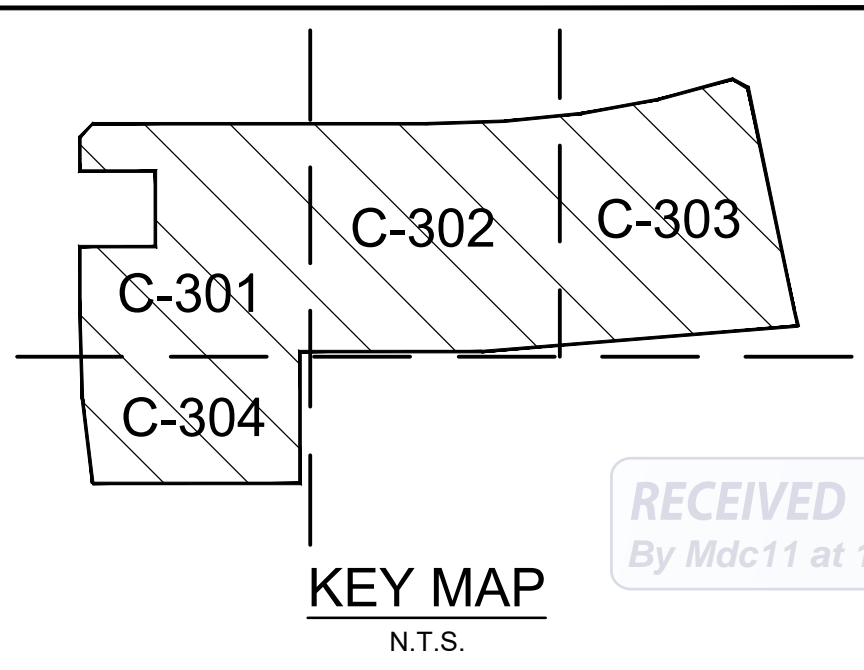
| DRAINAGE STRUCTURE TABLE | | | | DRAINAGE STRUCTURE TABLE | | | | DRAINAGE STRUCTURE TABLE | | | | DRAINAGE STRUCTURE TABLE | | | | DRAINAGE STRUCTURE TABLE | | | | DRAINAGE STRUCTURE TABLE | | | | DRAINAGE STRUCTURE TABLE | | | | DRAINAGE STRUCTURE TABLE | | | | DRAINAGE STRUCTURE TABLE | | | | DRAINAGE STRUCTURE TABLE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------|------|--|----------------|--------------------------|-----------|---------------|----------------|--------------------------|------|---------------|----------------|--------------------------|------|---------------|----------------|--------------------------|--------|---------------|----------------|--------------------------|--------|---------------|----------------|--------------------------|---------|---------------|----------------------------------|--------------------------|------|---------------|----------------|--------------------------|------|---------------|----------------------------------|--------------------------|--------|---------------|----------------|-----------|-----------|---------------|----------------|-------|--------|------------|----------|-------|---------|------------|----------------------|-------|---------|------------|----------------------|-------|-------------------|------------|----------|-------|-----|------------|----------|-------|--------|------------|----------|-------|-----|------------|----------|-------|--------|------------|----------|-------|---------|------------|----------------------------------|-------|-----|------------|----------------------|-------|---------|------------|----------------------|-------|-------------------|------------|----------|-------|-----------|------------|----------|-------|--------|------------|----------|-------|--------|------------|----------|-------|--------|------------|----------|-------|---------|------------|----------------------|-------|-----|------------|----------------------|-------|--------------|------------|----------------------|-------|---------|------------|----------------------|-------|-------------------------|------------|----------|-------|-------------------|------------|----------------------|-------|---------|------------|----------------------|-------|-----|------------|----------|-------|--------|------------|----------|-------|--------|------------|----------|-------|---------|------------|----------------------|-------|---------|------------|----------------------|-------|-----|------------|----------------------|-------|--------|------------|----------|-------|---------|------------|----------|-------|-----|------------|----------|-------|--------|------------|----------|-------|--------|------------|----------|-------|---------|------------|----------------------|-------|-------------------|------------|----------|-------|--------|------------|----------|-------|-----------|------------|----------|-------|--------|------------|----------|-------|---------|------------|----------------------|-------|---------|------------|----------------------|-------|-------------------|------------|----------|-------|--------|------------|----------|-------|-----|------------|----------|-------|--------|------------|----------|-------|---------|------------|----------------------------------|-------|-----|------------|----------------------|-------|---------|------------|----------------------|-------|-------------------|------------|----------|-------|-----|------------|--|-------|-----------|------------|----------|-------|-----|------------|----------|-------|-----|------------|----------|-------|--------|------------|----------|-------|--------|------------|----------|-------|---------|------------|----------------------------------|-------|-----|------------|----------|-------|--|------------|----------------------|-------|--|------------|----------------------|-------|-------------------|------------|----------|-------|-------------------|------------|----------|-------|-------------------|------------|----------|-------|-------------------|------------|----------|-------|-------------------|------------|----------|-------|-------------------|------------|----------|-------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------------|------------|----------|--------|-------------|
| STRUCTURE | TYPE | RIM EL. (FT.) | INV. EL. (FT.) | STRUCTURE | TYPE | RIM EL. (FT.) | INV. EL. (FT.) | STRUCTURE | TYPE | RIM EL. (FT.) | INV. EL. (FT.) | STRUCTURE | TYPE | RIM EL. (FT.) | INV. EL. (FT.) | STRUCTURE | TYPE | RIM EL. (FT.) | INV. EL. (FT.) | STRUCTURE | TYPE | RIM EL. (FT.) | INV. EL. (FT.) | STRUCTURE | TYPE | RIM EL. (FT.) | INV. EL. (FT.) | STRUCTURE | TYPE | RIM EL. (FT.) | INV. EL. (FT.) | STRUCTURE | TYPE | RIM EL. (FT.) | INV. EL. (FT.) | STRUCTURE | TYPE | RIM EL. (FT.) | INV. EL. (FT.) | STRUCTURE | TYPE | RIM EL. (FT.) | INV. EL. (FT.) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DS-01 | P-9 | RIM: 28.78 18.07(W) 18.00(S) 20.75(N) 18.07(E) | 20.00(N) | DS-07 | BUBBLE UP | RIM: 28.00 | 20.00(N) | DS-13 | MES | RIM: 27.71 | 28.00(S) | DS-19 | P-9 | RIM: 28.63 | 20.00(N) | DS-25 | TYPE C | RIM: 28.00 | 20.00(N) | DS-31 | TYPE C | RIM: 28.97 | 20.00(S) | DS-37 | MANHOLE | RIM: 28.82 | 17.00(W) 18.50(S) 18.00(N) | DS-43 | P-9 | RIM: 28.60 | 18.00(N) | DS-02 | P-9 | RIM: 28.71 | 18.00(W) 20.00(S) 20.00(N) | DS-08 | TYPE C | RIM: 28.15 | 20.00(N) | DS-14 | BUBBLE UP | RIM: 28.00 | 21.47(N) | DS-20 | TYPE C | RIM: 28.41 | 20.00(N) | DS-26 | MANHOLE | RIM: 28.29 | 20.00(S) 20.00(N) | DS-32 | MANHOLE | RIM: 28.29 | 20.75(S) 20.17(W) | DS-38 | 4" NDS YARD DRAIN | RIM: 28.86 | 22.00(S) | DS-03 | P-9 | RIM: 28.23 | 20.00(N) | DS-09 | TYPE C | RIM: 28.17 | 20.00(S) | DS-15 | P-9 | RIM: 28.04 | 20.00(S) | DS-21 | TYPE C | RIM: 28.72 | 20.00(N) | DS-27 | MANHOLE | RIM: 28.88 | 18.07(E) 18.95(N) 20.28(S) | DS-33 | P-9 | RIM: 28.98 | 18.95(N) 20.00(N) | DS-39 | MANHOLE | RIM: 28.88 | 18.07(N) 18.00(E) | DS-44 | 6" NDS YARD DRAIN | RIM: 28.52 | 22.00(S) | DS-04 | BUBBLE UP | RIM: 28.67 | 20.00(N) | DS-10 | TYPE C | RIM: 30.31 | 20.00(S) | DS-16 | TYPE C | RIM: 28.55 | 20.00(E) | DS-22 | TYPE C | RIM: 28.72 | 20.00(N) | DS-28 | MANHOLE | RIM: 28.67 | 19.00(N) 22.53(E) | DS-34 | P-5 | RIM: 27.40 | 21.96(N) 20.00(N) | DS-40 | SUMP PUMP MH | RIM: 28.67 | 19.00(N) 22.53(E) | DS-45 | MANHOLE | RIM: 28.75 | 21.88(N) 20.00(N) | DS-41 | TRENCH DRAIN CONNECTION | RIM: 19.75 | 19.00(S) | DS-46 | 6" NDS YARD DRAIN | RIM: 28.52 | 23.60(N) 23.60(E) | DS-05 | MANHOLE | RIM: 28.66 | 20.00(N) 15.33(N) | DS-11 | MES | RIM: 27.71 | 20.00(N) | DS-17 | TYPE C | RIM: 28.55 | 20.00(E) | DS-23 | TYPE C | RIM: 28.00 | 20.00(S) | DS-29 | MANHOLE | RIM: 28.71 | 22.00(S) 22.00(N) | DS-35 | MANHOLE | RIM: 28.56 | 20.38(N) 17.00(S) | DS-42 | P-9 | RIM: 28.11 | 20.00(N) 15.33(S) | DS-06 | TYPE C | RIM: 28.58 | 18.00(S) | DS-12 | MANHOLE | RIM: 28.18 | 20.00(N) | DS-18 | P-9 | RIM: 28.63 | 20.00(E) | DS-24 | TYPE C | RIM: 27.35 | 20.00(N) | DS-30 | TYPE C | RIM: 27.35 | 20.00(N) | DS-36 | MANHOLE | RIM: 28.56 | 20.38(N) 17.00(S) | DS-43 | 6" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-08 | TYPE C | RIM: 28.15 | 20.00(S) | DS-14 | BUBBLE UP | RIM: 28.00 | 21.47(N) | DS-20 | TYPE C | RIM: 28.41 | 20.00(N) | DS-26 | MANHOLE | RIM: 28.29 | 20.00(S) 20.00(N) | DS-32 | MANHOLE | RIM: 28.29 | 20.75(S) 20.17(W) | DS-38 | 4" NDS YARD DRAIN | RIM: 28.86 | 22.00(S) | DS-09 | TYPE C | RIM: 28.17 | 20.00(S) | DS-15 | P-9 | RIM: 28.04 | 20.00(S) | DS-21 | TYPE C | RIM: 28.72 | 20.00(N) | DS-27 | MANHOLE | RIM: 28.88 | 18.07(E) 18.95(N) 20.28(S) | DS-33 | P-9 | RIM: 28.98 | 18.95(N) 20.00(N) | DS-39 | MANHOLE | RIM: 28.88 | 18.07(N) 18.00(E) | DS-44 | 6" NDS YARD DRAIN | RIM: 28.52 | 22.00(S) | DS-01 | P-9 | RIM: 28.78 | 18.07(W) 18.00(S) 20.75(N) 18.07(E) | DS-07 | BUBBLE UP | RIM: 28.00 | 20.00(N) | DS-13 | MES | RIM: 27.71 | 28.00(S) | DS-19 | P-9 | RIM: 28.63 | 20.00(N) | DS-25 | TYPE C | RIM: 28.00 | 20.00(N) | DS-31 | TYPE C | RIM: 28.97 | 20.00(S) | DS-37 | MANHOLE | RIM: 28.82 | 17.00(W) 18.50(S) 18.00(N) | DS-43 | P-9 | RIM: 28.60 | 18.00(N) | DS-49 | EX. MANHOLE ADJUST RIM TO MATCH FINISHED GRADE | RIM: 28.47 | 14.50(S) 18.00(N) | DS-55 | EX. P-5 REPLACE TOP WITH MANHOLE RIM TO MATCH FINISHED GRADE | RIM: 27.49 | 22.04(N) 22.04(E) | DS-61 | 4" NDS YARD DRAIN | RIM: 28.67 | 22.00(S) | DS-67 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-73 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-79 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-85 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-91 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-97 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-103 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-109 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-115 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-121 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-127 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-133 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-139 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-145 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-151 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-157 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-163 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-169 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-175 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-181 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-187 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-193 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-199 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-205 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-211 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-217 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-223 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-229 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-235 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-241 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-247 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-253 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-259 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-265 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-271 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-277 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-283 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-289 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-295 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-301 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-307 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-313 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-319 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-325 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-331 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-337 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-343 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-349 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-355 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-361 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-367 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-373 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-379 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-385 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-391 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-397 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-403 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-409 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-415 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-421 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-427 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-433 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-439 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-445 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-451 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-457 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-463 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-469 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-475 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-481 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-487 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-493 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-499 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-505 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-511 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-517 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-523 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-529 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-535 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-541 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-547 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-553 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-559 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-565 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-571 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-577 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-583 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-589 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-595 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-601 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-607 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-613 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-619 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-625 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-631 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-637 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-643 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-649 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-655 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-661 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-667 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-673 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-679 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-685 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-691 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-697 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-703 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-709 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-715 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-721 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-727 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-733 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-739 | 4" NDS YARD DRAIN | RIM: 28.71 | 22.00(N) | DS-745 | 4" NDS YARD |

Plotted By: Anderson, Sarah - Sheet Set: 147842000 - The Shoppes at the Heart of Tradition - Layout: C-301 - PID PLAN ENLARGEMENT - 147842000 - MDY 16, 2023 - 03:27:44pm - K:\VRB-DEVA\147842000 - banyan ps\CAD\plansheets\C-300 PAVING, GRADING AND DRAINAGE PLAN - 147842000.dwg
 This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



PAVING, GRADING, AND DRAINAGE NOTES

- CONTRACTOR TO CONSTRUCT DRAINAGE STRUCTURES WITH USF GRATES, RIMS AND COVERS AS CALLED OUT OR APPROVED EQUAL. SHOP DRAWINGS ARE TO BE PROVIDED TO ENGINEER FOR APPROVAL PRIOR TO ANY CONSTRUCTION.
- CONTRACTOR TO REFER TO FDOT DESIGN STANDARD (AND NOT LIMITED TO) INDEX'S 425-01, 425-010, 425-020, 425-021, 425-024, 425-052, AND 425-063 FOR MANHOLE, INLET AND GRATE SPECIFICATIONS.
- ALL DRAINAGE STRUCTURES SHALL BE CONSTRUCTED WITH (4) SIDED BEARING HEAVY DUTY H-20 RATED TRAFFIC RIMS AND GRATES.
- CONTRACTOR TO VERIFY ALL EXISTING UTILITY RINGS AND COVERS ON SITE ARE HEAVY DUTY TRAFFIC RATED. CONTRACTOR TO REPLACE DEFICIENT RINGS AND COVERS WITH HEAVY DUTY TRAFFIC RATED RINGS AND COVERS. CONTRACTOR TO ADJUST RIM ELEVATIONS TO MATCH PROPOSED FINISHED GRADE OF ANY EXISTING UTILITIES TO REMAIN THAT CHANGE IN ELEVATION DURING CONSTRUCTION.
- ALL CLEANOUT COVERS SHOULD BE RATED FOR HEAVY DUTY TRAFFIC.
- ALL EXISTING PAVEMENT AND CONCRETE TO BE JOINED SHALL BE SAWCUT.
- EXISTING GRADES AND DRAINAGE HAVE BEEN TAKEN FROM A SURVEY PREPARED BY KIMLEY-HORN AND ASSOCIATES, INC., DATED APRIL 29, 2020. THE ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988 AND ARE BASED ON NATIONAL GEODETIC SURVEY BENCHMARK "LB 7062", SAID POINT BEING A MAG NAIL AND DISK STAMPED "LB 7062". BENCHMARK #2 PER ARCADIS GRANDE PALMS BOUNDARY AND TOPOGRAPHIC SURVEY. SITE BENCHMARKS ARE AS SHOWN.
- SPOT ELEVATIONS ARE AT BOTTOMFACE OF CURB UNLESS OTHERWISE NOTED.
- EXISTING STORM INLETS AND PIPES ON PROPERTY TO BE JETTED AND CLEANED PRIOR TO ENGINEER'S ACCEPTANCE OF SYSTEM.
- CONTRACTOR SHALL COORDINATE PAVING IMPROVEMENTS TO AVOID TIRE MARKS FROM CONSTRUCTION ACTIVITY. FINAL PAVING SHALL BE AS SMOOTH AS POSSIBLE AND FREE FROM ANY MARKS, SCRAPES, GOUGES, TIRE MARKS, ETC. CAUSED DURING CONSTRUCTION ACTIVITY.
- CONTRACTOR TO ENSURE POSITIVE RUNOFF FROM THE BUILDING. PAVING SHALL BE FREE OF PONDING AND MAINTAIN POSITIVE OUTFALL TO THE DRAINAGE SYSTEM. CONTRACTOR SHALL FIELD VERIFY EXISTING DRAINAGE PATTERNS AND TIE-IN GRADES AND ALERT OWNER AND ENGINEER SHOULD ANY CONFLICTS ARISE DURING CONSTRUCTION AND AFTER FINAL GRADING. NO SURFACE WATER RUNOFF MAY BE DIRECTED TO ADJACENT PROPERTIES, AND ALL SURFACE WATER RUNOFF MUST BE ROUTED TO APPROVED DRAINAGE FACILITIES OR BE RETAINED ON SITE. ALL RUNOFF FROM THE SITE, BOTH DURING AND AFTER CONSTRUCTION, MUST BE FREE OF POLLUTANTS, INCLUDING SEDIMENT, PRIOR TO DISCHARGE.
- ALL SLOPES STEEPER THAN 6:1 SHALL BE SODDED.
- ALL SIDEWALKS BEHIND AND ADJACENT TO LANDSCAPE ISLANDS WILL BE SLOPED TO PREVENT STANDING WATER ALONG THE LANDSCAPE ISLAND.
- CONTRACTOR TO REFER TO THE ARCHITECTURAL PLANS FOR BUILDING EXTERIOR WALL AND SIDING MATERIAL TO DETERMINE THE GRADING FROM BUILDING FFE FOUNDATION AND IF AN INSPECTION STRIP IS REQUIRED.
- ALL CURBS TO HAVE VERTICAL SAWCUT JOINTS EVERY TEN FEET (10').
- ALL CURBS TO BE BROOM FINISHED VERTICALLY.
- ALL SIDEWALKS NEED TO BE BROOM FINISHED PERPENDICULAR TO THE TRAFFIC FLOW.
- ALL BUILDING DOWNSPOUTS TO BE INSTALLED TO COLLECT OR SHEETFLOW ROOF RUN OFF TO ON-SITE DRAINAGE SYSTEM.

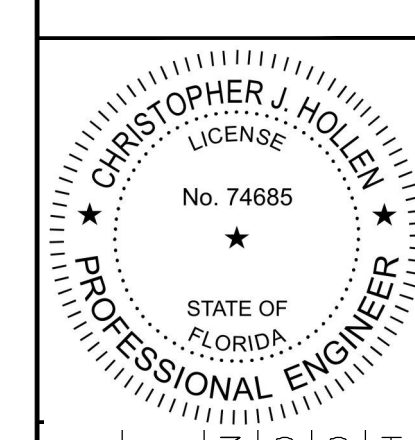


LEGEND

| | |
|--|--|
| | PROPERTY LINE |
| | PROPOSED GREASE TRAP |
| | PROPOSED SANITARY SEWER MANHOLE |
| | PROPOSED TRANSFORMER PAD WITH BOLLARD |
| | PROPOSED WATER LINE |
| | PROPOSED SANITARY SEWER LINE |
| | PROPOSED GATE VALVE |
| | PROPOSED REDUCER |
| | PROPOSED FIRE HYDRANT ASSEMBLY |
| | PROPOSED STORM SEWER PIPE |
| | PROPOSED ROADWAY CURB INLET - TYPE P-5 |
| | PROPOSED STORM MANHOLE |
| | PROPOSED CATCH BASIN |
| | PROPOSED CURB INLET TYPE P-9 |
| | PROPOSED SPOT GRADE |
| | EXISTING CONTOUR |
| | PROPOSED CONTOUR |
| | PROPOSED STORM STRUCTURE |

| NO. | REVISIONS | DATE | BY |
|-----|-----------|------|----|
| | | | |

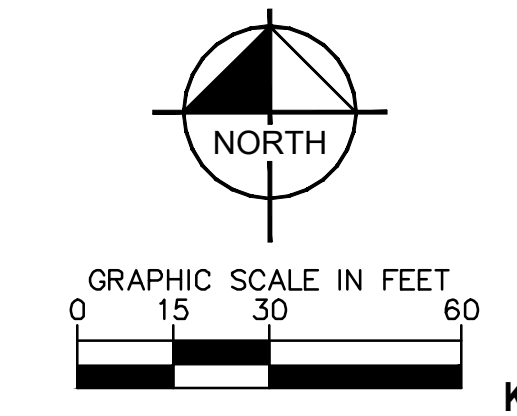
Kimley»Horn
 © 2023 KIMLEY-HORN AND ASSOCIATES, INC.
 445 24TH STREET, SUITE 200, VERO BEACH, FL 32960
 PHONE: 772-794-4100
 WWW.KIMLEY-HORN.COM REGISTRY NO. 35106



| | |
|-------------|-----------|
| KHA PROJECT | 147842000 |
| DATE | 8/18/2021 |
| SCALE | AS SHOWN |
| DESIGNED BY | DFD |
| DRAWN BY | DFD |
| CHECKED BY | CJH |

PAVING, GRADING AND DRAINAGE PLAN AND DRAINAGE PLAN ENLARGEMENT

THE SHOPPES AT THE HEART OF TRADITION FOR BANYAN DEVELOPMENT
 SAINT LUCIE COUNTY FLORIDA



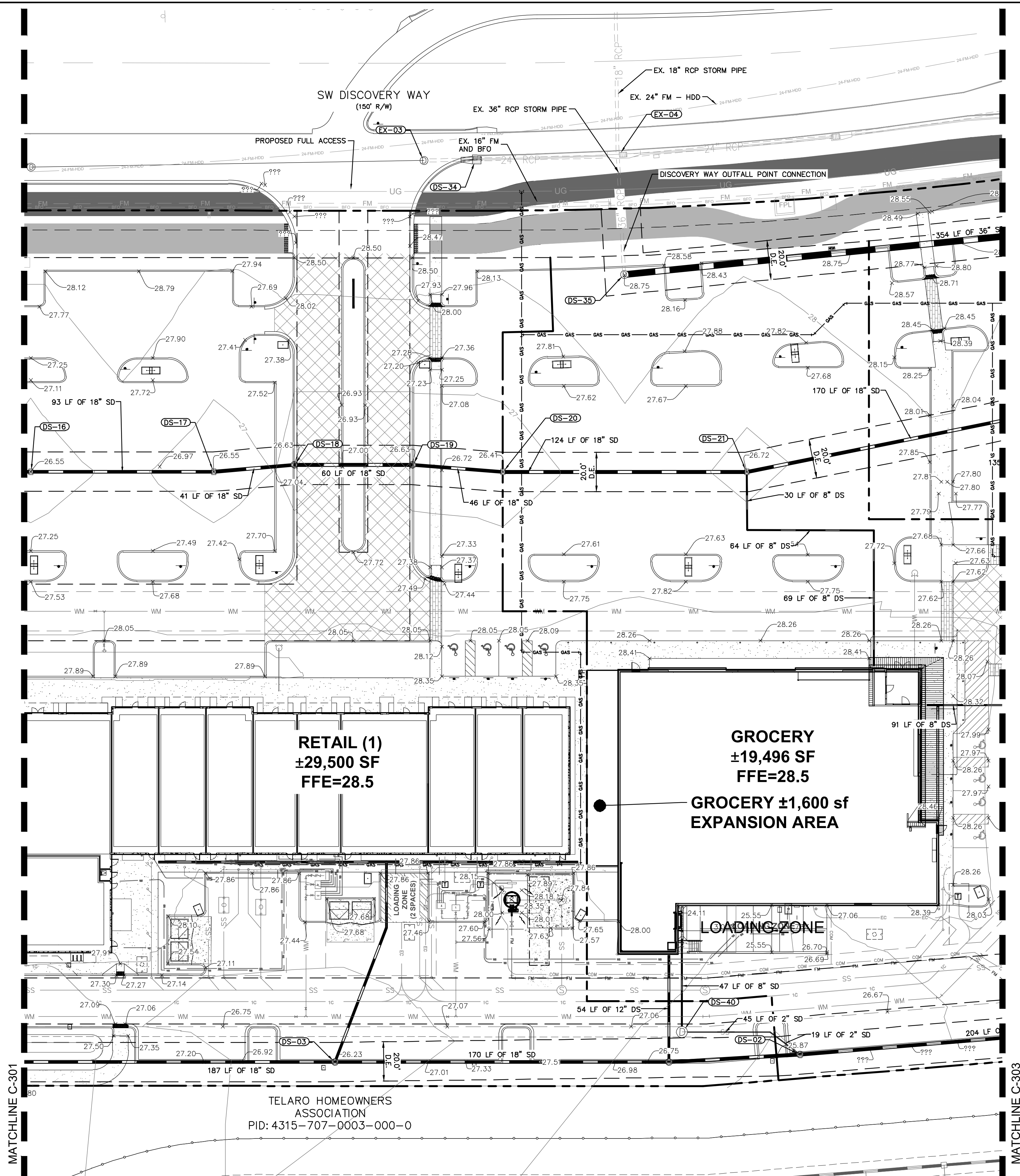
THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTORS BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE.

VERTICAL DATUM
 ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). SUBTRACT 1.557 FROM NAVD 29 ELEVATION TO GET THE NAVD 88 ELEVATION.

CITY OF PORT ST. LUCIE PROJECT # P21-239
 PLSUSD PROJECT # 5211E

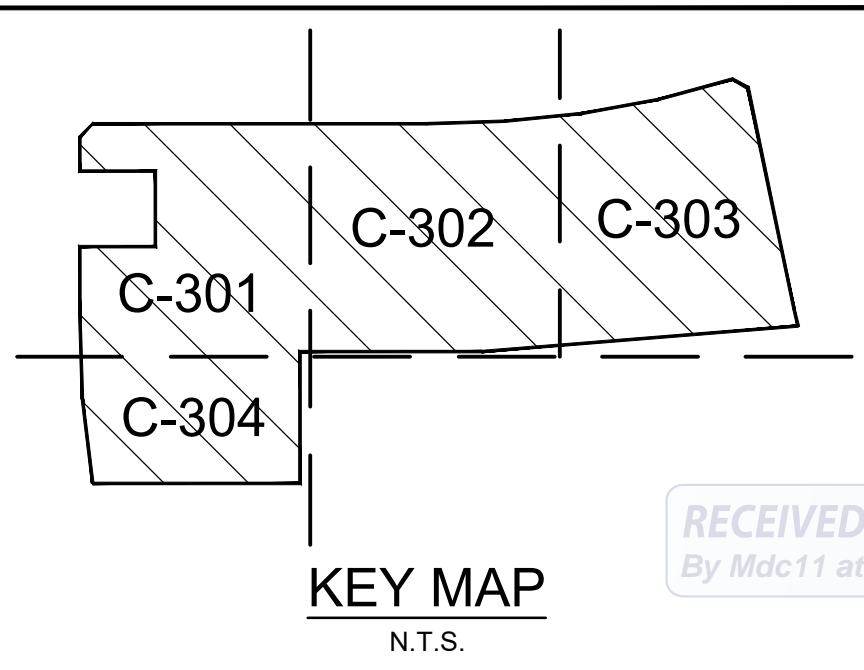
SHEET NUMBER **C-301**

Plotted By: Anderson, Sarah - Sheet: 147842000 - The Shoppes at the Heart of Tradition - PAVING, GRADING AND DRAINAGE PLAN - 147842000.dwg
 This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



PAVING, GRADING, AND DRAINAGE NOTES

- CONTRACTOR TO CONSTRUCT DRAINAGE STRUCTURES WITH USF GRATES, RIMS AND COVERS AS CALLED OUT OR APPROVED EQUAL. SHOP DRAWINGS ARE TO BE PROVIDED TO ENGINEER FOR APPROVAL PRIOR TO ANY CONSTRUCTION.
- CONTRACTOR TO REFER TO FDOT DESIGN STANDARD (AND NOT LIMITED TO) INDEX# 425-01, 425-010, 425-020, 425-021, 425-024, 425-052, AND 425-053 FOR MANHOLE, INLET AND GRATE SPECIFICATIONS.
- ALL DRAINAGE STRUCTURES SHALL BE CONSTRUCTED WITH (4) SIDED BEARING HEAVY DUTY H-20 RATED TRAFFIC RIMS AND GRATES.
- CONTRACTOR TO VERIFY ALL EXISTING UTILITY RINGS AND COVERS ON SITE ARE HEAVY DUTY TRAFFIC RATED. CONTRACTOR TO REPLACE DEFICIENT RINGS AND COVERS WITH HEAVY DUTY TRAFFIC RATED RINGS AND COVERS. CONTRACTOR TO ADJUST RIM ELEVATIONS TO MATCH PROPOSED FINISHED GRADE OF ANY EXISTING UTILITIES TO REMAIN THAT CHANGE IN ELEVATION DURING CONSTRUCTION.
- ALL CLEANOUT COVERS SHOULD BE RATED FOR HEAVY DUTY TRAFFIC.
- ALL EXISTING PAVEMENT AND CONCRETE TO BE JOINED SHALL BE SAWCUT.
- SIDEWALKS AND CROSSWALKS SHALL NOT EXCEED 2% CROSS SLOPE NOR 5% LONGITUDINALLY. GRADES IN ACCESSIBLE PARKING SPACES SHALL NOT EXCEED 2% IN ANY DIRECTION. IN CASES OF SIDEWALK AT BUILDING ENTRANCES, GRADES SHALL NOT EXCEED 2% IN ANY DIRECTION. ACCESSIBLE CURB RAMPS SHALL NOT EXCEED 6" LENGTH, 6" RISE, AND 1:12 SLOPE. LANDINGS ASSOCIATED WITH RAMPS AND AT CHANGES IN DIRECTION SHALL BE MINIMUM 60"x60" AND SHALL NOT EXCEED 2% SLOPE IN ANY DIRECTION. MINIMUM GRADE ON SIDEWALKS IN THE FIRST TEN (10) FEET ADJACENT TO BUILDINGS SHALL BE 1.5% MINIMUM.
- SPOT ELEVATIONS ARE AT BOTTOMFACE OF CURB UNLESS OTHERWISE NOTED.
- EXISTING GRADES AND DRAINAGE HAVE BEEN TAKEN FROM A SURVEY PREPARED BY KIMLEY-HORN AND ASSOCIATES, INC., DATED APRIL 29, 2020. THE ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988 AND ARE BASED ON NATIONAL GEODETIC SURVEY BENCHMARK "1B 7062", SAID POINT BEING A MAG NAIL AND DISK STAMPED "1B 7062". BENCHMARK #2 PER ARCADIS GRANDE PALMS BOUNDARY AND TOPOGRAPHIC SURVEY. SITE BENCHMARKS ARE AS SHOWN.
- HOPE STORM PIPE-CONTRACTOR IS RESPONSIBLE FOR OBTAINING THE STORM DRAINAGE PIPE INSTALLATION MANUAL AND SPECIFICATIONS AND COMPLYING WITH ALL MANUFACTURER'S INSTALLATION PROCEDURES AND REQUIREMENTS. TESTING OF BACKFILL MATERIAL AND COMPACTION OF BACKFILL MATERIAL IS THE CONTRACTOR'S RESPONSIBILITY.
- ALL DRAINAGE PIPE JOINTS SHALL BE FILTER FABRIC WRAPPED PER FDOT INDEX #430-001. ALL DRAINAGE PIPE JOINTS NEED TO BE FILTER FABRIC WRAPPED REGARDLESS OF MATERIAL.
- EXISTING STORM INLETS AND PIPES ON PROPERTY TO BE JETTED AND CLEANED PRIOR TO ENGINEER'S ACCEPTANCE OF SYSTEM.
- CONTRACTOR SHALL COORDINATE PAVING IMPROVEMENTS TO AVOID TIRE MARKS FROM CONSTRUCTION ACTIVITY. FINAL PAVING SHALL BE AS SMOOTH AS POSSIBLE AND FREE FROM ANY MARKS, SCRAPES, GOUGES, TIRE MARKS, ETC. CAUSED DURING CONSTRUCTION ACTIVITY.
- CONTRACTOR TO ENSURE POSITIVE RUNOFF FROM THE BUILDING. PAVING SHALL BE FREE OF PONDING AND MAINTAIN POSITIVE OUTFALL TO THE DRAINAGE SYSTEM. CONTRACTOR SHALL FIELD VERIFY EXISTING DRAINAGE PATTERNS AND TIE-IN GRADES AND ALERT OWNER AND ENGINEER SHOULD ANY CONFLICTS ARISE DURING CONSTRUCTION AND AFTER FINAL GRADING. NO SURFACE WATER RUNOFF MAY BE DIRECTED TO ADJACENT PROPERTIES, AND ALL SURFACE WATER RUNOFF MUST BE ROUTED TO APPROVED DRAINAGE FACILITIES OR BE RETAINED ON SITE. ALL RUNOFF FROM THE SITE, BOTH DURING AND AFTER CONSTRUCTION, MUST BE FREE OF POLLUTANTS, INCLUDING SEDIMENT, PRIOR TO DISCHARGE.
- ALL SLOPES STEEPER THAN 6:1 SHALL BE SODDED.
- ALL SIDEWALKS BEHIND AND ADJACENT TO LANDSCAPE ISLANDS WILL BE SLOPED TO PREVENT STANDING WATER ALONG THE LANDSCAPE ISLAND.
- CONTRACTOR TO REFER TO THE ARCHITECTURAL PLANS FOR BUILDING EXTERIOR WALL AND SIDING MATERIAL TO DETERMINE THE GRADING FROM BUILDING FFE FOUNDATION AND IF AN INSPECTION STRIP IS REQUIRED.
- ALL CURBS TO HAVE VERTICAL SAWCUT JOINTS EVERY TEN FEET (10').
- ALL CURBS TO BE BROOM FINISHED VERTICALLY.
- ALL SIDEWALKS NEED TO BE BROOM FINISHED PERPENDICULAR TO THE TRAFFIC FLOW.
- ALL BUILDING DOWNSPOUTS TO BE INSTALLED TO COLLECT OR SHEETFLOW ROOF RUN OFF TO ON-SITE DRAINAGE SYSTEM.

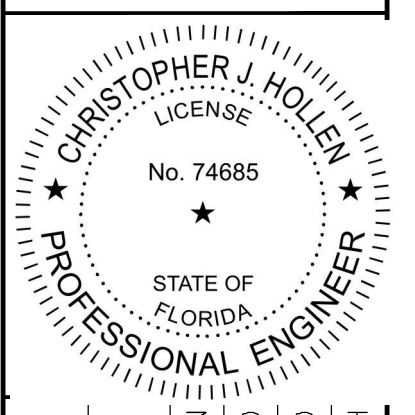


LEGEND

| Symbol | Description |
|------------|--|
| — | PROPERTY LINE |
| ⊠ | PROPOSED GREASE TRAP |
| ⊙ | PROPOSED SANITARY SEWER MANHOLE |
| ⊞ | PROPOSED TRANSFORMER PAD WITH BOLLARD |
| — | PROPOSED WATER LINE |
| — | PROPOSED SANITARY SEWER LINE |
| X | PROPOSED GATE VALVE |
| △ | PROPOSED REDUCER |
| ⊞ | PROPOSED FIRE HYDRANT ASSEMBLY |
| — | PROPOSED STORM SEWER PIPE |
| ⊞ | PROPOSED ROADWAY CURB INLET - TYPE P-5 |
| ⊞ | PROPOSED STORM MANHOLE |
| ⊞ | PROPOSED CATCH BASIN |
| ⊞ | PROPOSED CURB INLET TYPE P-9 |
| X.XX | PROPOSED SPOT GRADE |
| - - - X.XX | EXISTING CONTOUR |
| - - - X.XX | PROPOSED CONTOUR |
| XX | PROPOSED STORM STRUCTURE |

| NO. | REVISIONS | DATE | BY |
|-----|-----------|------|----|
| | | | |

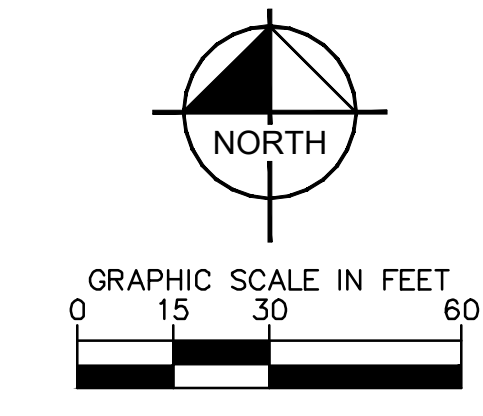
Kimley»Horn
 © 2023 KIMLEY-HORN AND ASSOCIATES, INC.
 445 24TH STREET, SUITE 200, VERO BEACH, FL 32960
 PHONE: 772-794-4100
 WWW.KIMLEY-HORN.COM REGISTRY NO. 35106



| | |
|-------------|-----------|
| KHA PROJECT | 147842000 |
| DATE | 8/18/2021 |
| SCALE | AS SHOWN |
| DESIGNED BY | DFD |
| DRAWN BY | DFD |
| CHECKED BY | CJH |

PAVING, GRADING AND DRAINAGE PLAN AND DRAINAGE PLAN ENLARGEMENT

THE SHOPPES AT THE HEART OF TRADITION FOR BANYAN DEVELOPMENT
 SAINT LUCIE COUNTY FLORIDA

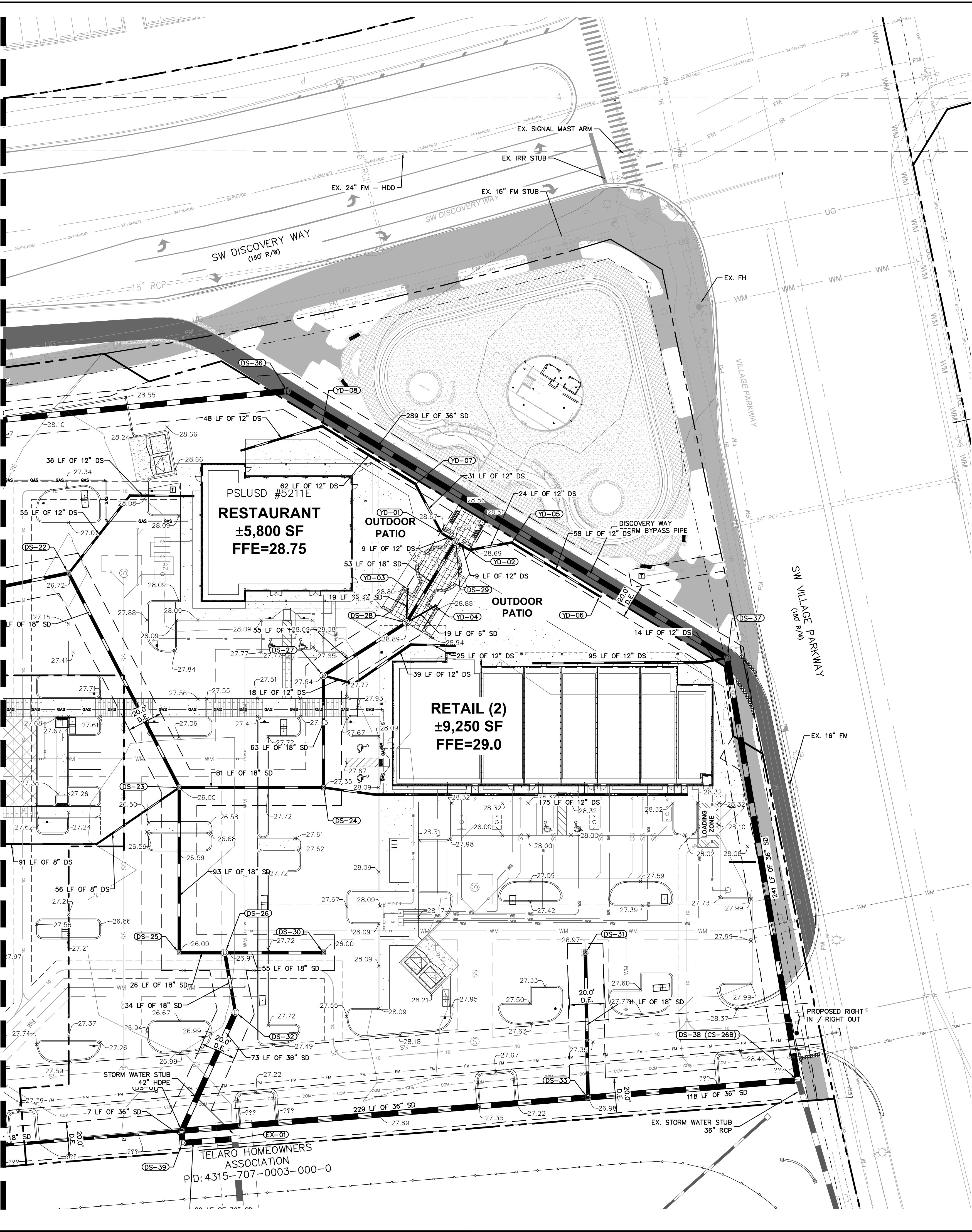


THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTORS BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE.

VERTICAL DATUM
 ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). SUBTRACT 1.57' FROM NAVD 29 ELEVATION TO GET THE NAVD 88 ELEVATION.

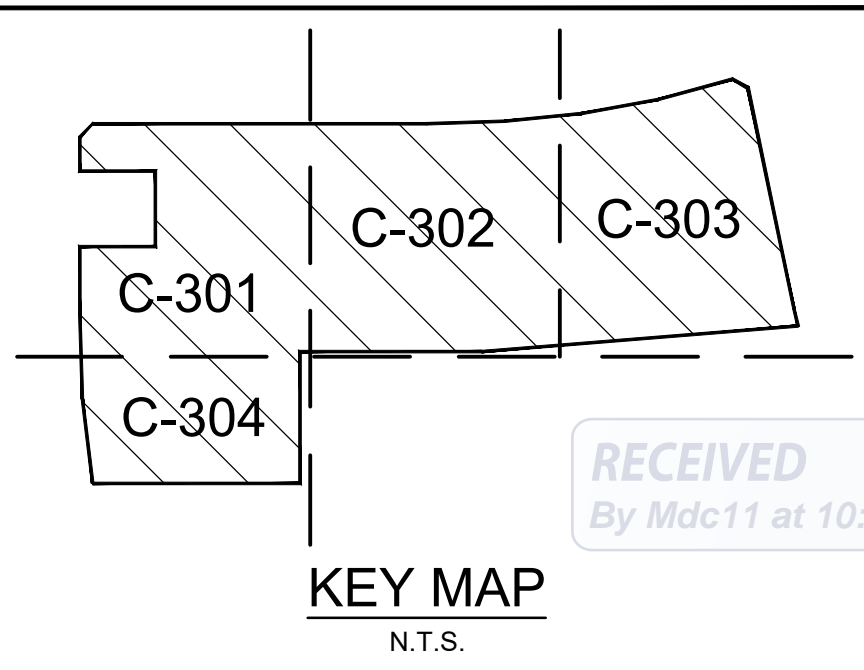
CITY OF PORT ST. LUCIE PROJECT # P21-239
 PLSUSD PROJECT # 5211E

Plotted By: Anderson, Sarah. Sheet: 147842000 - The Shoppes at the Heart of Tradition. Layout: C-303 PCD PLAN ENLARGEMENT - 147842000. May 16, 2023. 03:28:10pm. K:\VDR\147842000 - Banyan Paving, Grading and Drainage Plan - 147842000.dwg
 This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



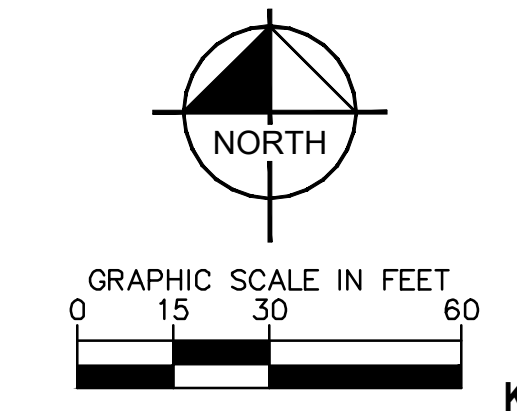
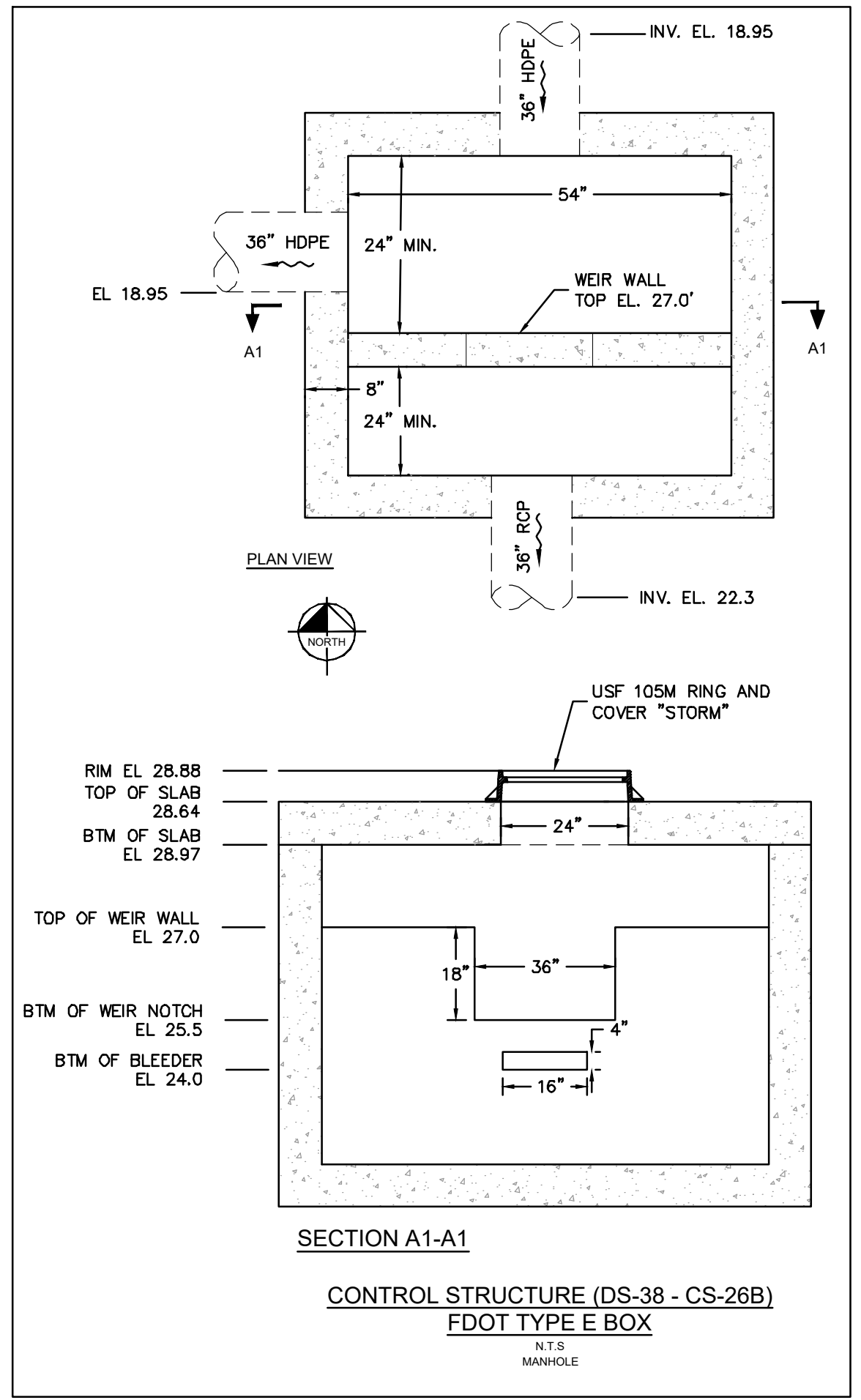
PAVING, GRADING, AND DRAINAGE NOTES

- CONTRACTOR TO CONSTRUCT DRAINAGE STRUCTURES WITH USF GRATES, RIMS AND COVERS AS CALLED OUT OR APPROVED EQUAL. SHOP DRAWINGS ARE TO BE PROVIDED TO ENGINEER FOR APPROVAL PRIOR TO ANY CONSTRUCTION.
- CONTRACTOR TO REFER TO FDOT DESIGN STANDARD (AND NOT LIMITED TO) INDEX'S 425-01, 425-010, 425-020, 425-021, 425-024, 425-052, AND 425-063 FOR MANHOLE, INLET AND GRATE SPECIFICATIONS.
- ALL DRAINAGE STRUCTURES SHALL BE CONSTRUCTED WITH (4) SIDED BEARING HEAVY DUTY H-20 RATED TRAFFIC RIMS AND GRATES.
- CONTRACTOR TO VERIFY ALL EXISTING UTILITY RINGS AND COVERS ON SITE ARE HEAVY DUTY TRAFFIC RATED. CONTRACTOR TO REPLACE DEFICIENT RINGS AND COVERS WITH HEAVY DUTY TRAFFIC RATED RINGS AND COVERS. CONTRACTOR TO ADJUST RIM ELEVATIONS TO MATCH PROPOSED FINISHED GRADE OF ANY EXISTING UTILITIES TO REMAIN THAT CHANGE IN ELEVATION DURING CONSTRUCTION.
- ALL CLEANOUT COVERS SHOULD BE RATED FOR HEAVY DUTY TRAFFIC.
- ALL EXISTING PAVEMENT AND CONCRETE TO BE JOINED SHALL BE SAWCUT.
- SIDEWALKS AND CROSSWALKS SHALL NOT EXCEED 2% CROSS SLOPE NOR 5% LONGITUDINALLY. GRADES IN ACCESSIBLE PARKING SPACES SHALL NOT EXCEED 2% IN ANY DIRECTION. IN CASES OF SIDEWALK AT BUILDING ENTRANCES, GRADES SHALL NOT EXCEED 2% IN ANY DIRECTION. ACCESSIBLE CURB RAMPS SHALL NOT EXCEED 6" LENGTH, 6" RISE, AND 1:12 SLOPE. LANDINGS ASSOCIATED WITH RAMPS AND AT CHANGES IN DIRECTION SHALL BE MINIMUM 60"x60" AND SHALL NOT EXCEED 2% SLOPE IN ANY DIRECTION. MINIMUM GRADE ON SIDEWALKS IN THE FIRST TEN (10) FEET ADJACENT TO BUILDINGS SHALL BE 1.5% MINIMUM.
- SPOT ELEVATIONS ARE AT BOTTOMFACE OF CURB UNLESS OTHERWISE NOTED.
- EXISTING GRADES AND DRAINAGE HAVE BEEN TAKEN FROM A SURVEY PREPARED BY KIMLEY-HORN AND ASSOCIATES, INC., DATED APRIL 29, 2020. THE ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988 AND ARE BASED ON NATIONAL GEODETIC SURVEY BENCHMARK "1B 7062", SAID POINT BEING A MAG NAIL AND DISK STAMPED "1B 7062". BENCHMARK #2 PER ARCADIS GRANDE PALMS BOUNDARY AND TOPOGRAPHIC SURVEY. SITE BENCHMARKS ARE AS SHOWN.
- CONTRACTOR TO VERIFY ALL EXISTING UTILITY RINGS AND COVERS ON SITE ARE HEAVY DUTY TRAFFIC RATED. CONTRACTOR TO REPLACE DEFICIENT RINGS AND COVERS WITH HEAVY DUTY TRAFFIC RATED RINGS AND COVERS. CONTRACTOR TO ADJUST RIM ELEVATIONS TO MATCH PROPOSED FINISHED GRADE OF ANY EXISTING UTILITIES TO REMAIN THAT CHANGE IN ELEVATION DURING CONSTRUCTION.
- CONTRACTOR TO ENSURE POSITIVE RUNOFF FROM THE BUILDING. PAVING SHALL BE FREE OF PONDING AND MAINTAIN POSITIVE OUTFALL TO THE DRAINAGE SYSTEM. CONTRACTOR SHALL FIELD VERIFY EXISTING DRAINAGE PATTERNS AND TIE-IN GRADES AND ALERT OWNER AND ENGINEER SHOULD ANY CONFLICTS ARISE DURING CONSTRUCTION AND AFTER FINAL GRADING. NO SURFACE WATER RUNOFF MAY BE DIRECTED TO ADJACENT PROPERTIES, AND ALL SURFACE WATER RUNOFF MUST BE ROUTED TO APPROVED DRAINAGE FACILITIES OR BE RETAINED ON SITE. ALL RUNOFF FROM THE SITE, BOTH DURING AND AFTER CONSTRUCTION, MUST BE FREE OF POLLUTANTS, INCLUDING SEDIMENT, PRIOR TO DISCHARGE.
- ALL SLOPES STEEPER THAN 6:1 SHALL BE SODDED.
- ALL SIDEWALKS BEHIND AND ADJACENT TO LANDSCAPE ISLANDS WILL BE SLOPED TO PREVENT STANDING WATER ALONG THE LANDSCAPE ISLAND.
- CONTRACTOR TO REFER TO THE ARCHITECTURAL PLANS FOR BUILDING EXTERIOR WALL AND SIDING MATERIAL TO DETERMINE THE GRADING FROM BUILDING FFE FOUNDATION AND IF AN INSPECTION STRIP IS REQUIRED.
- ALL CURBS TO HAVE TYPICAL SAWCUT JOINTS EVERY TEN FEET (10').
- ALL CURBS TO BE BROOM FINISHED VERTICALLY.
- ALL SIDEWALKS NEED TO BE BROOM FINISHED PERPENDICULAR TO THE TRAFFIC FLOW.
- ALL BUILDING DOWNSPOUTS TO BE INSTALLED TO COLLECT OR SHEETFLOW ROOF RUN OFF TO ON-SITE DRAINAGE SYSTEM.



LEGEND

| Symbol | Description |
|--------|--|
| — | PROPERTY LINE |
| ⊙ | PROPOSED GREASE TRAP |
| ⊕ | PROPOSED SANITARY SEWER MANHOLE |
| ⊞ | PROPOSED TRANSFORMER PAD WITH BOLLARD |
| — | PROPOSED WATER LINE |
| — | PROPOSED SANITARY SEWER LINE |
| X | PROPOSED GATE VALVE |
| △ | PROPOSED REDUCER |
| ⊕ | PROPOSED FIRE HYDRANT ASSEMBLY |
| — | PROPOSED STORM SEWER PIPE |
| — | PROPOSED ROADWAY CURB INLET - TYPE P-5 |
| ⊕ | PROPOSED STORM MANHOLE |
| ⊞ | PROPOSED CATCH BASIN |
| ⊕ | PROPOSED CURB INLET TYPE P-9 |
| X.XX | PROPOSED SPOT GRADE |
| -X.XX | EXISTING CONTOUR |
| -X.XX | PROPOSED CONTOUR |
| XX | PROPOSED STORM STRUCTURE |



THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE.
 VERTICAL DATUM: ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). SUBTRACT 1.57' FROM NAVD 88 ELEVATION TO GET THE NAVD 98 ELEVATION.

CITY OF PORT ST. LUCIE PROJECT # P21-239
 PLSUSD PROJECT # 5211E

| NO. | REVISIONS | DATE |
|-----|-----------|------|
| | | |

Kimley-Horn
 © 2023 KIMLEY-HORN AND ASSOCIATES, INC.
 445 24TH STREET, SUITE 200, VERO BEACH, FL 32960
 PHONE: 772-794-4100
 WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

CHRISTOPHER J. HOLLEN
 No. 74685
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 KHA PROJECT 147842000
 DATE 8/18/2021
 SCALE AS SHOWN
 DESIGNED BY DFD
 DRAWN BY DFD
 CHECKED BY C/JH

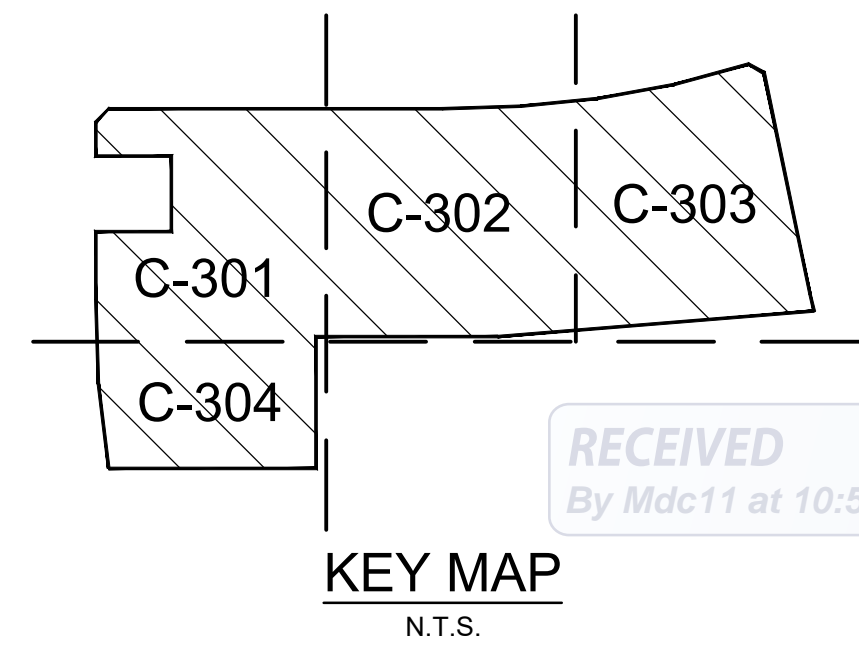
PAVING, GRADING AND DRAINAGE PLAN AND DRAINAGE PLAN ENLARGEMENT

THE SHOPPES AT THE HEART OF TRADITION FOR BANYAN DEVELOPMENT
 SAINT LUCIE COUNTY FLORIDA
 SHEET NUMBER **C-303**

Plotted By: Anderson, Sarah - Sheet Set: 147842000 - The Shoppes at the Heart of Tradition - Layout: C-304 - PCD PLAN ENLARGEMENT - 147842000 - May 16, 2023 - 03:28:22pm - K:\VRB-LOEVA\147842000 - banyan ps\CAD\plansheets\C-300 PAVING, GRADING AND DRAINAGE PLAN - 147842000.dwg
 This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

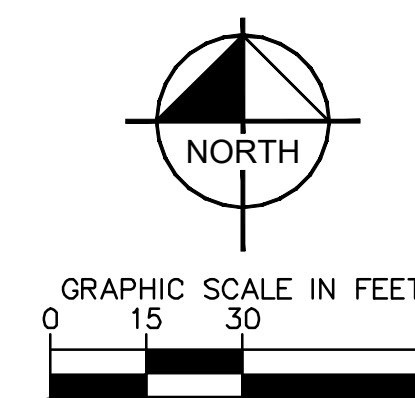
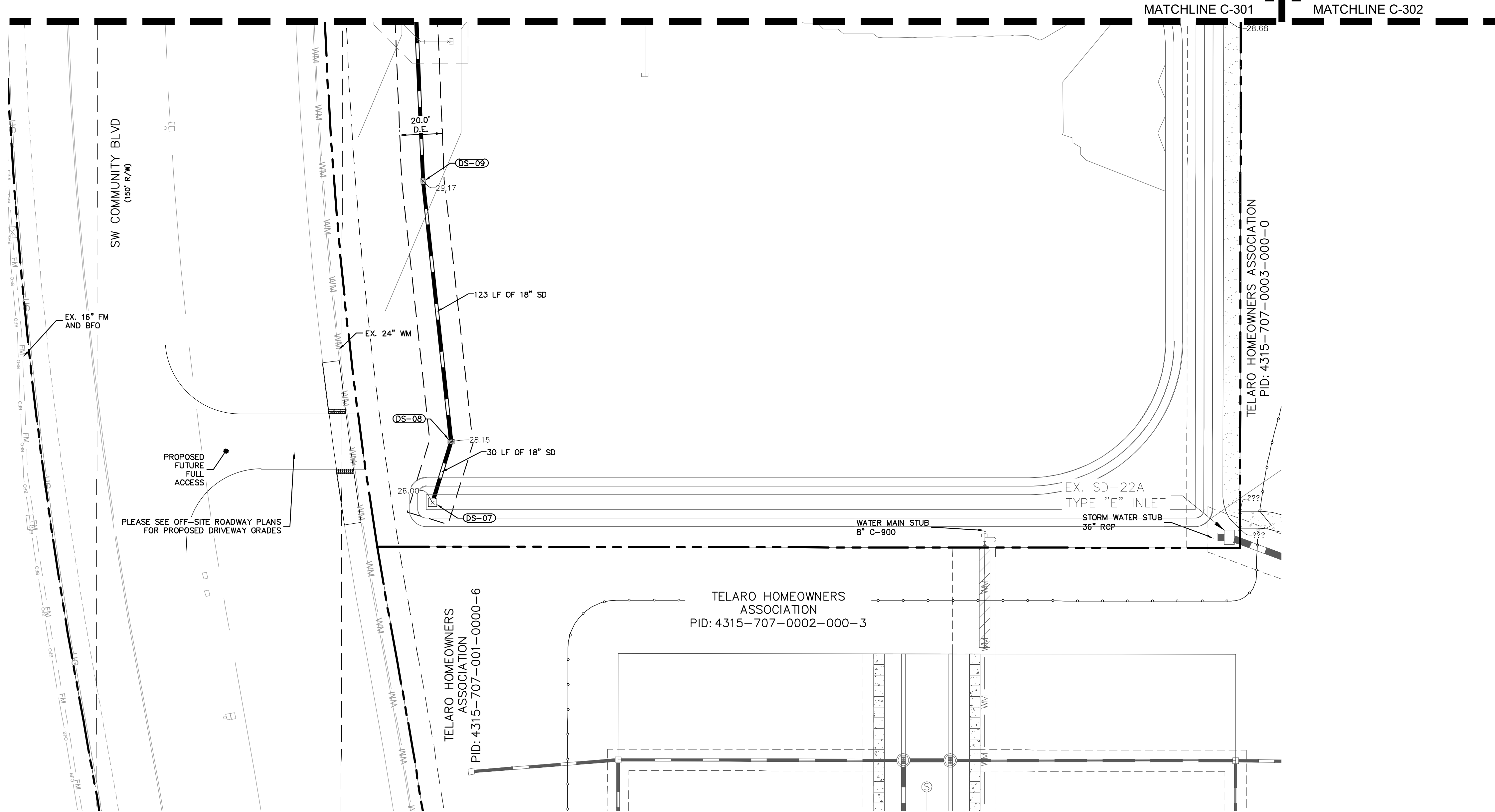
PAVING, GRADING, AND DRAINAGE NOTES

- CONTRACTOR TO CONSTRUCT DRAINAGE STRUCTURES WITH USF GRATES, RIMS AND COVERS AS CALLED OUT OR APPROVED EQUAL. SHOP DRAWINGS ARE TO BE PROVIDED TO ENGINEER FOR APPROVAL PRIOR TO ANY CONSTRUCTION.
- CONTRACTOR TO REFER TO FDOT DESIGN STANDARD (AND NOT LIMITED TO) INDEX'S 425-01, 425-010, 425-020, 425-021, 425-024, 425-052, AND 425-053 FOR MANHOLE, INLET AND GRATE SPECIFICATIONS.
- ALL DRAINAGE STRUCTURES SHALL BE CONSTRUCTED WITH (4) SIDED BEARING HEAVY DUTY H-20 RATED TRAFFIC RIMS AND GRATES.
- CONTRACTOR TO VERIFY ALL EXISTING UTILITY RINGS AND COVERS ON SITE ARE HEAVY DUTY TRAFFIC RATED. CONTRACTOR TO REPLACE DEFICIENT RINGS AND COVERS WITH HEAVY DUTY TRAFFIC RATED RINGS AND COVERS. CONTRACTOR TO ADJUST RIM ELEVATIONS TO MATCH PROPOSED FINISHED GRADE OF ANY EXISTING UTILITIES TO REMAIN THAT CHANGE IN ELEVATION DURING CONSTRUCTION.
- ALL CLEANOUT COVERS SHOULD BE RATED FOR HEAVY DUTY TRAFFIC.
- ALL EXISTING PAVEMENT AND CONCRETE TO BE JOINED SHALL BE SAWCUT.
- SIDEWALKS AND CROSSWALKS SHALL NOT EXCEED 2% CROSS SLOPE NOR 5% LONGITUDINALLY. GRADES IN ACCESSIBLE PARKING SPACES SHALL NOT EXCEED 2% IN ANY DIRECTION. IN CASES OF SIDEWALK AT BUILDING ENTRANCES, GRADES SHALL NOT EXCEED 2% IN ANY DIRECTION. ACCESSIBLE CURB RAMPS SHALL NOT EXCEED 6" IN LENGTH, 4" RISE, AND 1:12 SLOPE. LANDINGS ASSOCIATED WITH RAMPS AND AT CHANGES IN DIRECTION SHALL BE MINIMUM 60"x60" AND SHALL NOT EXCEED 2% SLOPE IN ANY DIRECTION. MINIMUM GRADE ON SIDEWALKS IN THE FIRST TEN (10) FEET ADJACENT TO BUILDINGS SHALL BE 1.5% MINIMUM.
- SPOT ELEVATIONS ARE AT BOTTOMFACE OF CURB UNLESS OTHERWISE NOTED.
- EXISTING GRADES AND DRAINAGE HAVE BEEN TAKEN FROM A SURVEY PREPARED BY KIMLEY-HORN AND ASSOCIATES, INC., DATED APRIL 29, 2020. THE ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988 AND ARE BASED ON NATIONAL GEODETIC SURVEY BENCHMARK "1B 7062", SAID POINT BEING A MAG NAIL AND DISK STAMPED "1B 7062". BENCHMARK #2 PER ARCADIS GRANDE PALMS BOUNDARY AND TOPOGRAPHIC SURVEY. SITE BENCHMARKS ARE AS SHOWN.
- HDPE STORM PIPE-CONTRACTOR IS RESPONSIBLE FOR OBTAINING THE STORM DRAINAGE PIPE INSTALLATION MANUAL AND SPECIFICATIONS AND COMPLYING WITH ALL MANUFACTURER'S INSTALLATION PROCEDURES AND REQUIREMENTS. TESTING OF BACKFILL MATERIAL AND COMPACTION OF BACKFILL MATERIAL IS THE CONTRACTOR'S RESPONSIBILITY.
- ALL DRAINAGE PIPE JOINTS SHALL BE FILTER FABRIC WRAPPED PER FDOT INDEX #430-001. ALL DRAINAGE PIPE JOINTS NEED TO BE FILTER FABRIC WRAPPED REGARDLESS OF MATERIAL.
- EXISTING STORM INLETS AND PIPES ON PROPERTY TO BE JETTED AND CLEANED PRIOR TO ENGINEER'S ACCEPTANCE OF SYSTEM.
- CONTRACTOR SHALL COORDINATE PAVING IMPROVEMENTS TO AVOID TIRE MARKS FROM CONSTRUCTION ACTIVITY. FINAL PAVING SHALL BE AS SMOOTH AS POSSIBLE AND FREE FROM ANY MARKS, SCRAPES, GOUGES, TIRE MARKS, ETC. CAUSED DURING CONSTRUCTION ACTIVITY.
- CONTRACTOR TO ENSURE POSITIVE RUNOFF FROM THE BUILDING. PAVING SHALL BE FREE OF PONDING AND MAINTAIN POSITIVE OUTFALL TO THE DRAINAGE SYSTEM. CONTRACTOR SHALL FIELD VERIFY EXISTING DRAINAGE PATTERNS AND TIE-IN GRADES AND ALERT OWNER AND ENGINEER SHOULD ANY CONFLICTS ARISE DURING CONSTRUCTION AND AFTER FINAL GRADING. NO SURFACE WATER RUNOFF MAY BE DIRECTED TO ADJACENT PROPERTIES, AND ALL SURFACE WATER RUNOFF MUST BE ROUTED TO APPROVED DRAINAGE FACILITIES OR BE RETAINED ON SITE. ALL RUNOFF FROM THE SITE, BOTH DURING AND AFTER CONSTRUCTION, MUST BE FREE OF POLLUTANTS, INCLUDING SEDIMENT, PRIOR TO DISCHARGE.
- ALL SLOPES STEEPER THAN 6:1 SHALL BE SODDED.
- ALL SIDEWALKS BEHIND AND ADJACENT TO LANDSCAPE ISLANDS WILL BE SLOPED TO PREVENT STANDING WATER ALONG THE LANDSCAPE ISLAND.
- CONTRACTOR TO REFER TO THE ARCHITECTURAL PLANS FOR BUILDING EXTERIOR WALL AND SIDING MATERIAL TO DETERMINE THE GRADING FROM BUILDING FFE FOUNDATION AND IF AN INSPECTION STRIP IS REQUIRED.
- ALL CURBS TO HAVE VERTICAL SAWCUT JOINTS EVERY TEN FEET (10').
- ALL CURBS TO BE BROOM FINISHED VERTICALLY.
- ALL SIDEWALKS NEED TO BE BROOM FINISHED PERPENDICULAR TO THE TRAFFIC FLOW.
- ALL BUILDING DOWNSPOUTS TO BE INSTALLED TO COLLECT OR SHEETFLOW ROOF RUN OFF TO ON-SITE DRAINAGE SYSTEM.



LEGEND

| Symbol | Description |
|----------|--|
| — | PROPERTY LINE |
| ⊙ | PROPOSED GREASE TRAP |
| ⊕ | PROPOSED SANITARY SEWER MANHOLE |
| ⊞ | PROPOSED TRANSFORMER PAD WITH BOLLARD |
| — | PROPOSED WATER LINE |
| — | PROPOSED SANITARY SEWER LINE |
| X | PROPOSED GATE VALVE |
| △ | PROPOSED REDUCER |
| ⊞ | PROPOSED FIRE HYDRANT ASSEMBLY |
| — | PROPOSED STORM SEWER PIPE |
| ⊞ | PROPOSED ROADWAY CURB INLET - TYPE P-5 |
| ⊞ | PROPOSED STORM MANHOLE |
| ⊞ | PROPOSED CATCH BASIN |
| ⊞ | PROPOSED CURB INLET TYPE P-9 |
| X.XX | PROPOSED SPOT GRADE |
| - - X.XX | EXISTING CONTOUR |
| - - X.XX | PROPOSED CONTOUR |
| XX | PROPOSED STORM STRUCTURE |

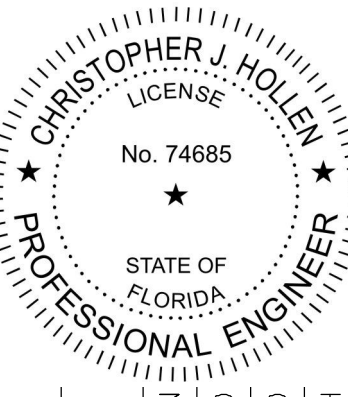


THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTORS BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE.
 VERTICAL DATUM
 ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). SUBTRACT 1.57 FROM NAVD 29 ELEVATION TO GET THE NAVD 88 ELEVATION.

CITY OF PORT ST. LUCIE PROJECT # P21-239
 PLSUSD PROJECT # 5211E

| No. | REVISIONS | DATE | BY |
|-----|-----------|------|----|
| | | | |

Kimley»Horn
 © 2023 KIMLEY-HORN AND ASSOCIATES, INC.
 445 24TH STREET, SUITE 200, VERO BEACH, FL 32960
 PHONE: 772-794-4100
 WWW.KIMLEY-HORN.COM REGISTRY NO. 35106



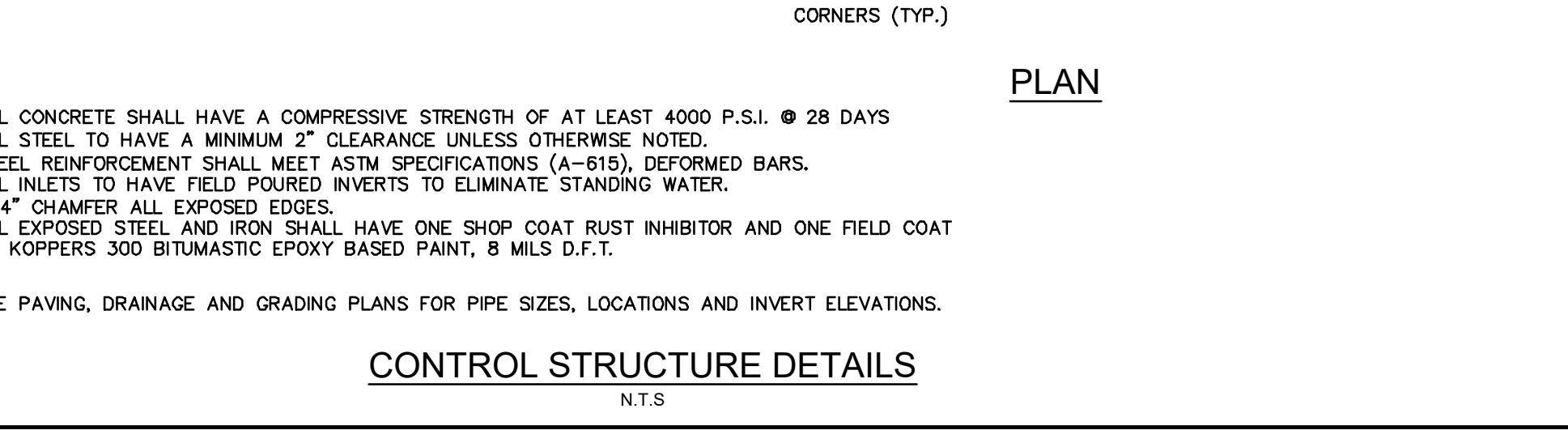
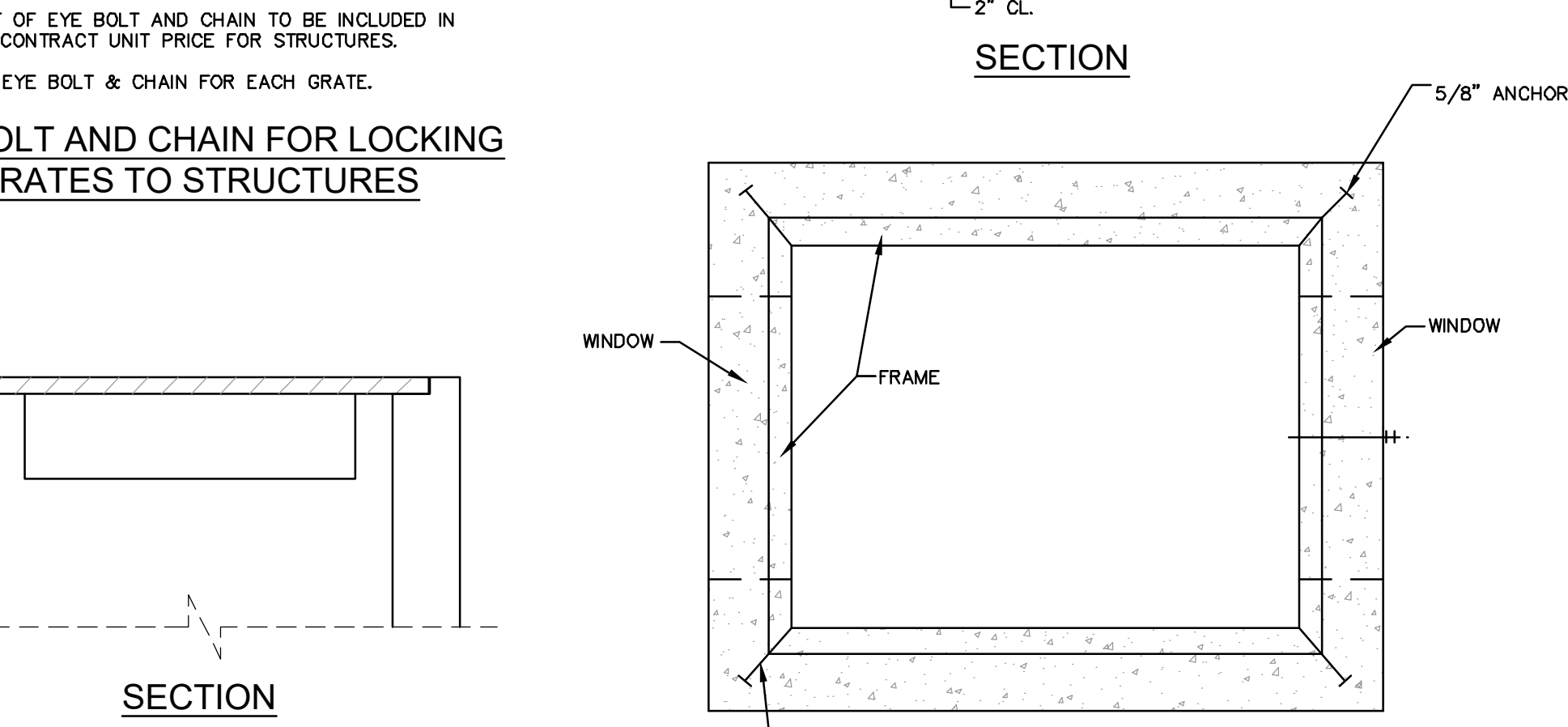
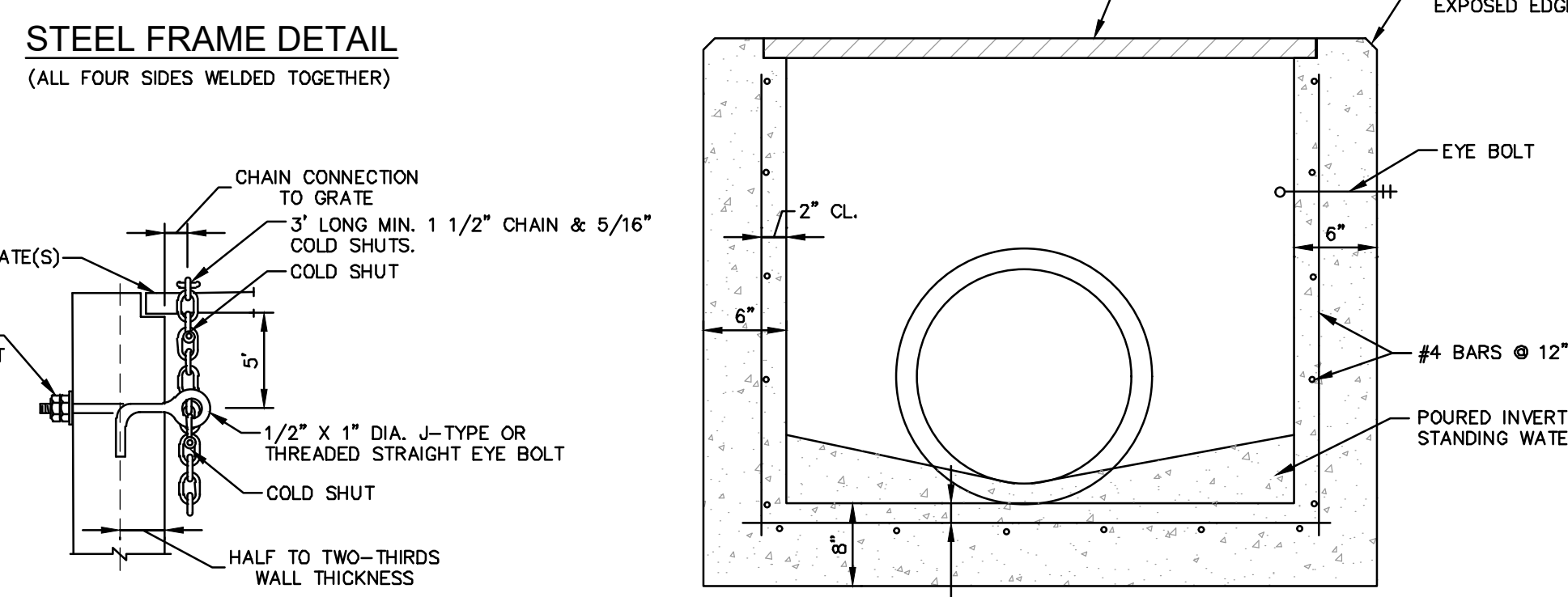
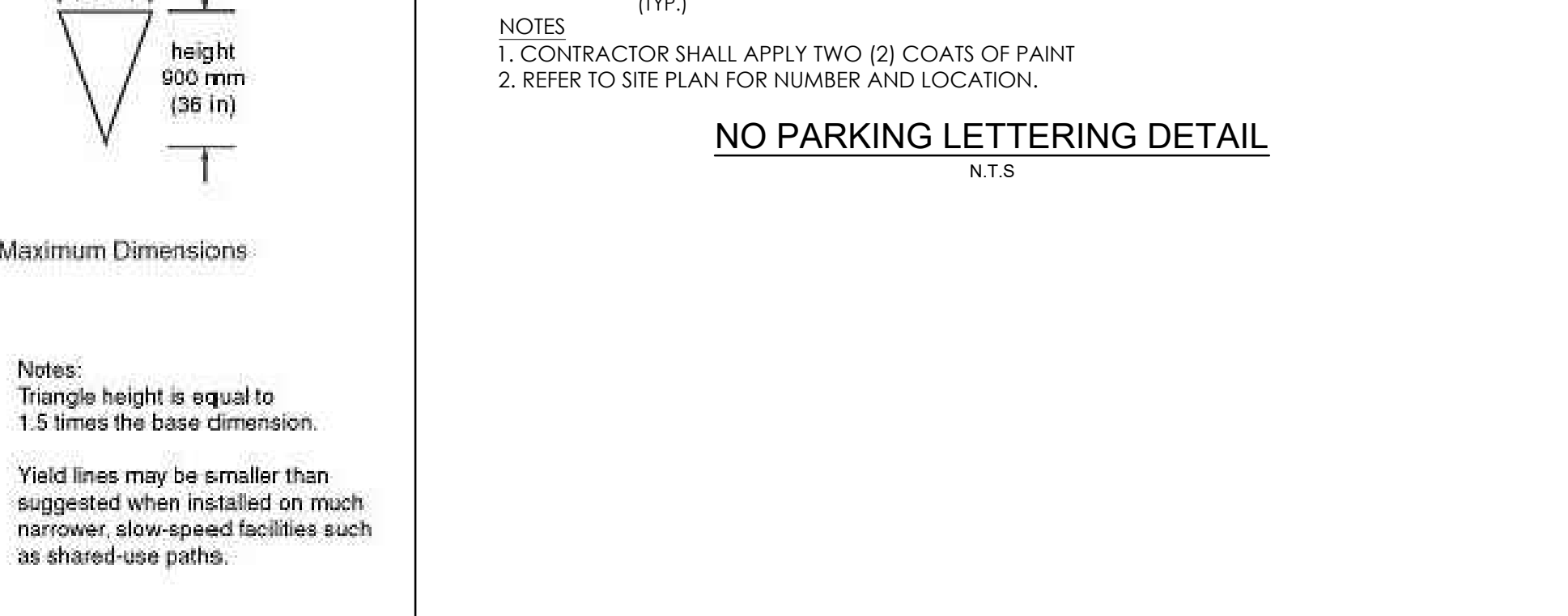
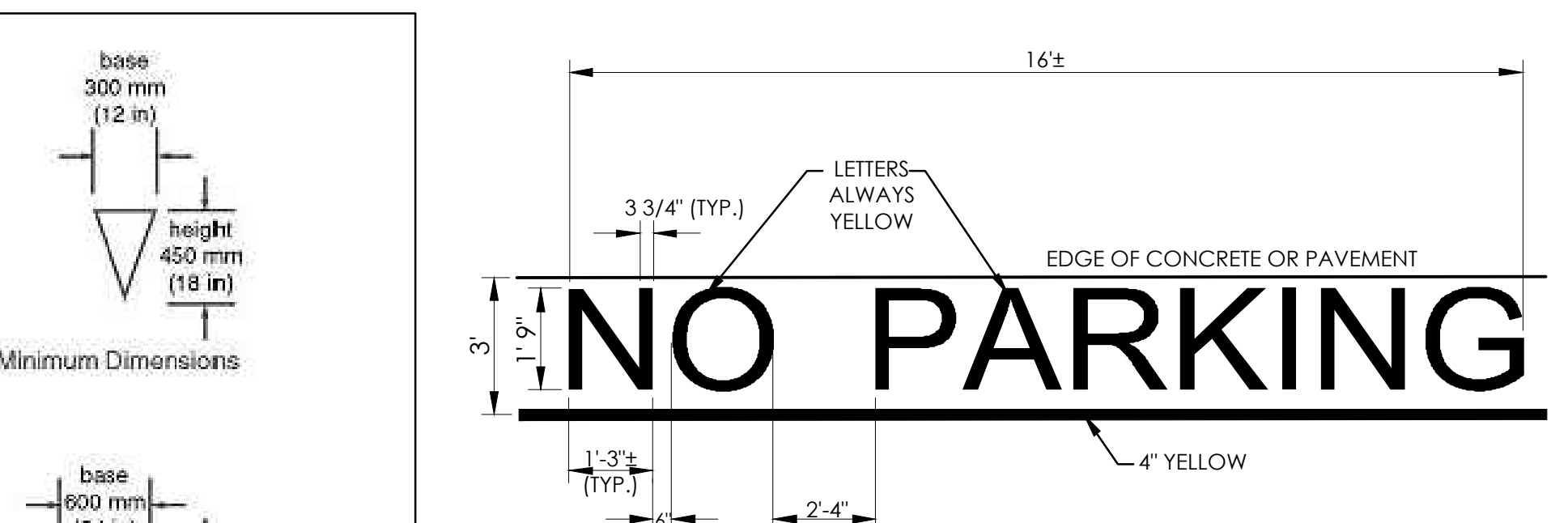
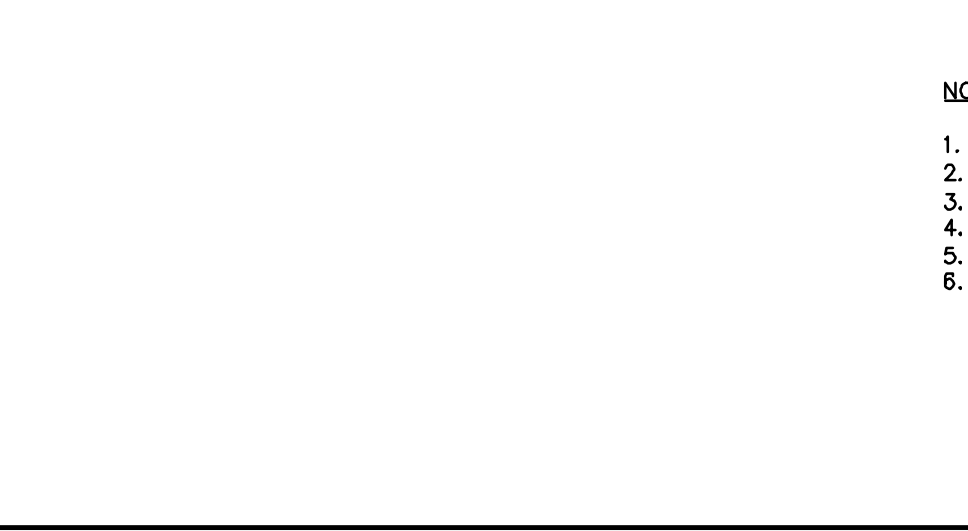
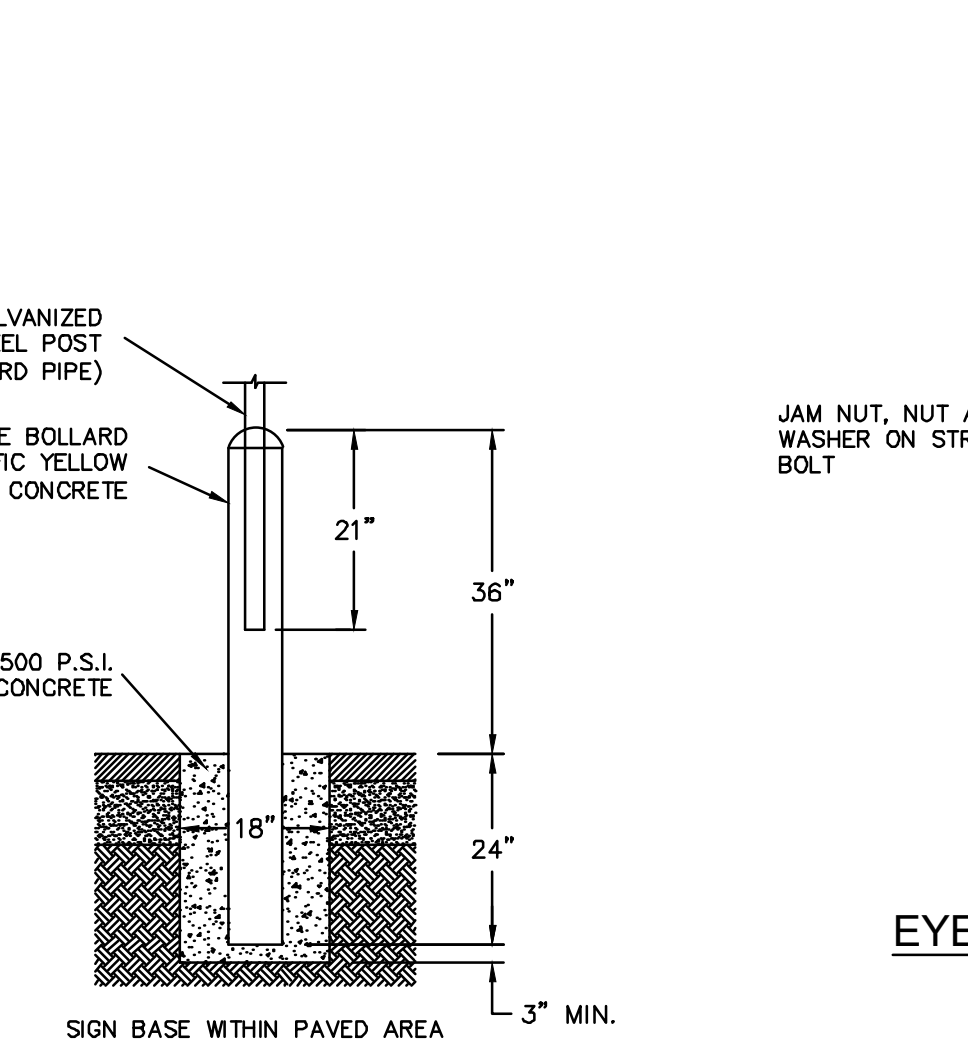
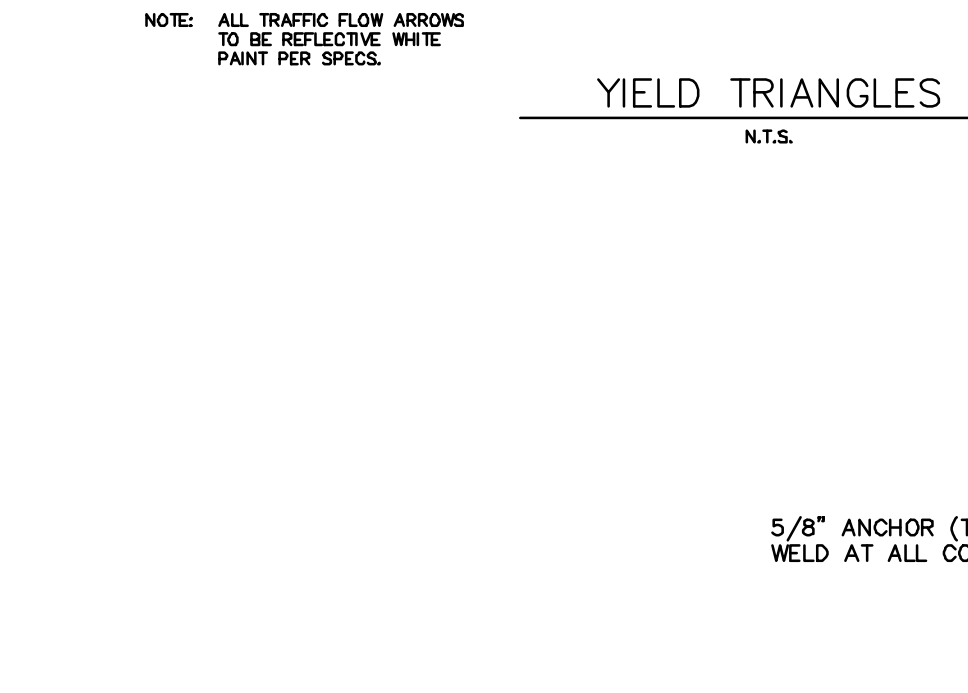
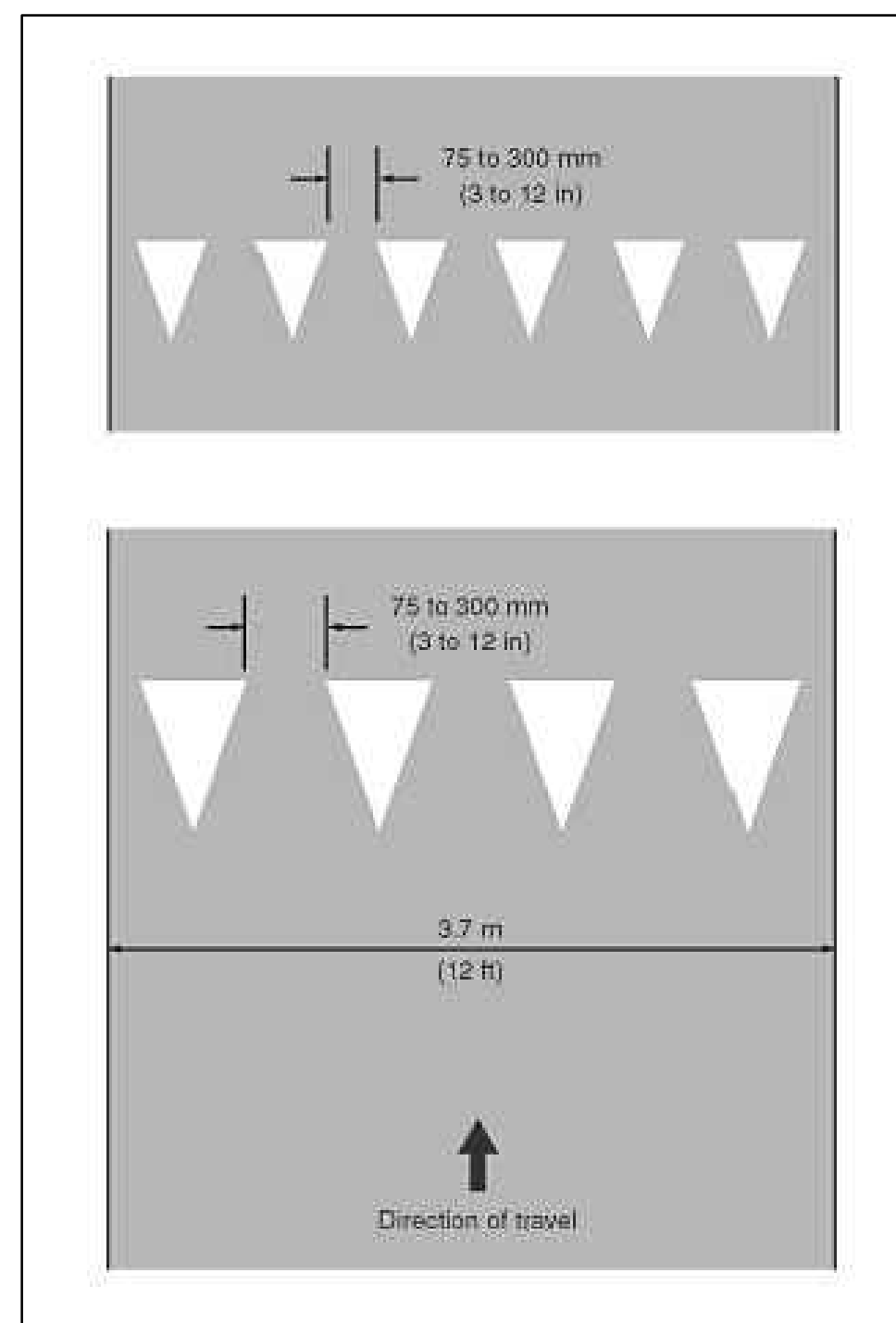
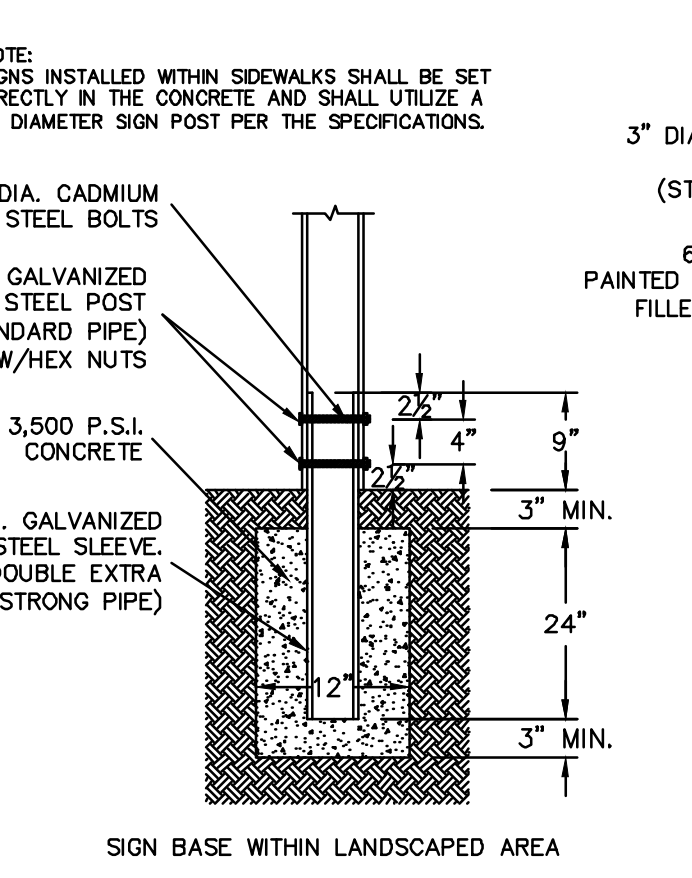
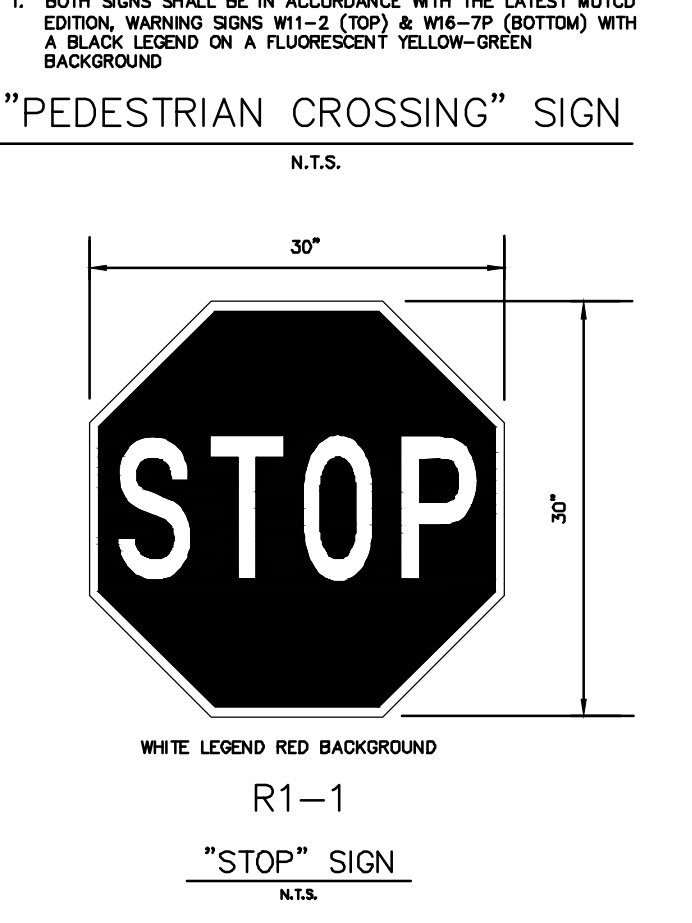
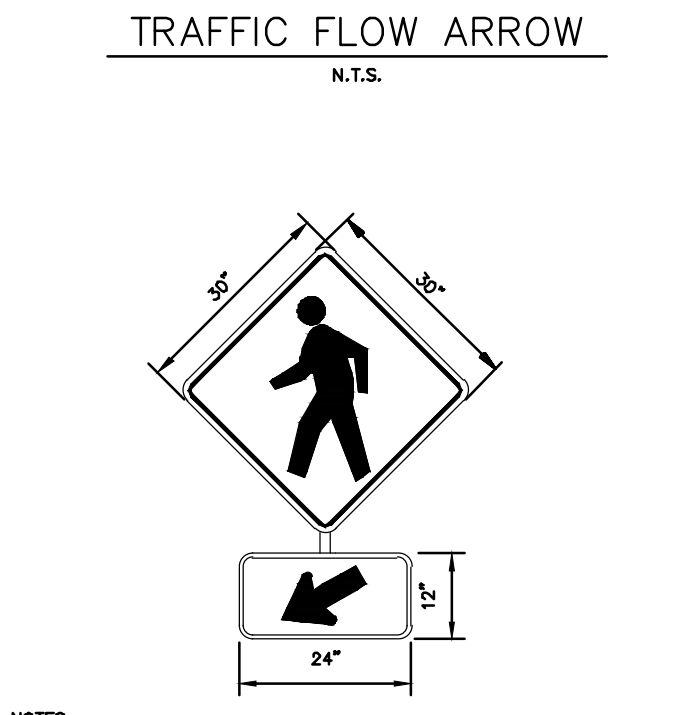
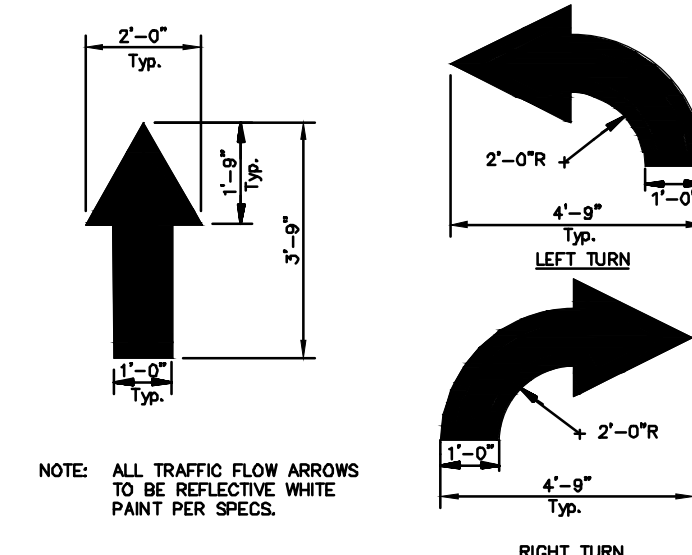
| | |
|-------------|-----------|
| KHA PROJECT | 147842000 |
| DATE | 8/18/2021 |
| SCALE | AS SHOWN |
| DESIGNED BY | DFD |
| DRAWN BY | DFD |
| CHECKED BY | CJH |

PAVING, GRADING AND DRAINAGE PLAN AND DRAINAGE PLAN ENLARGEMENT

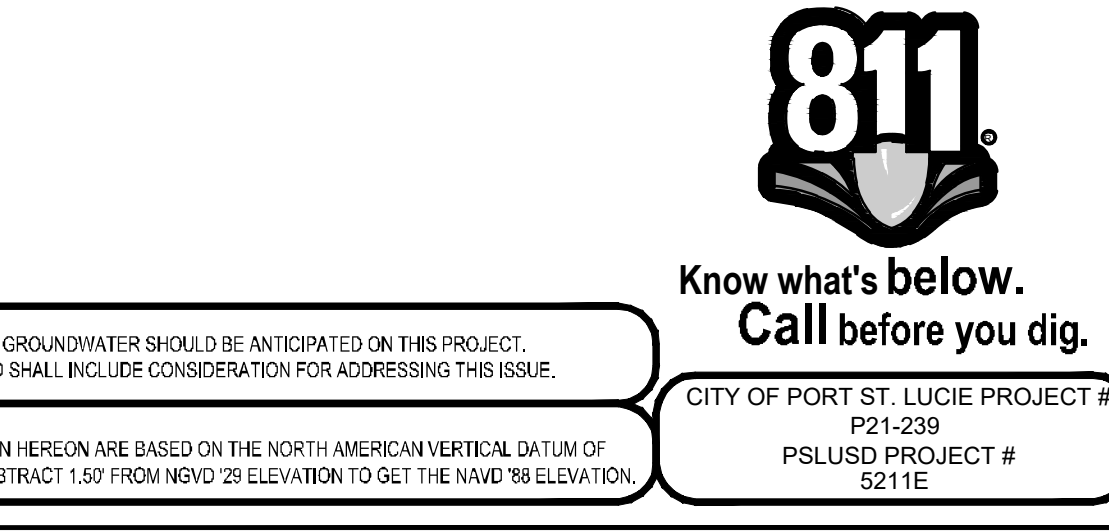
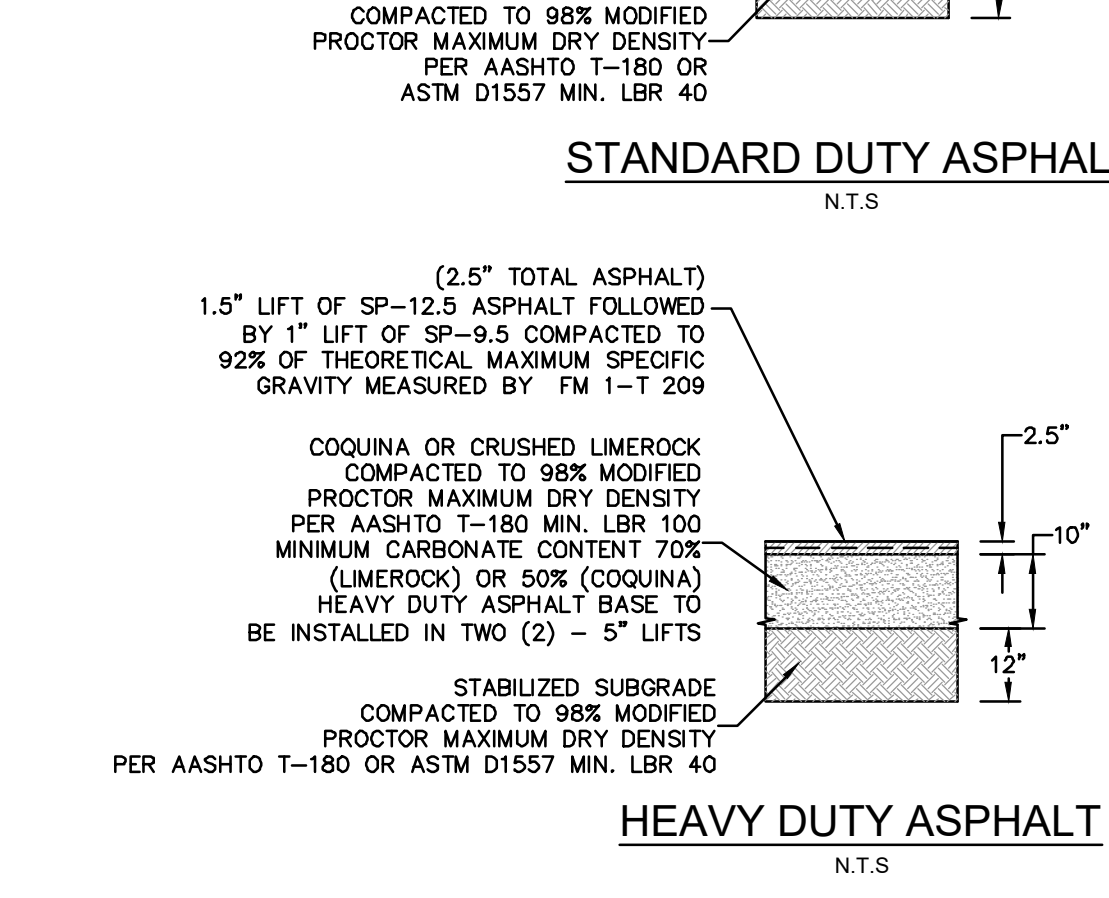
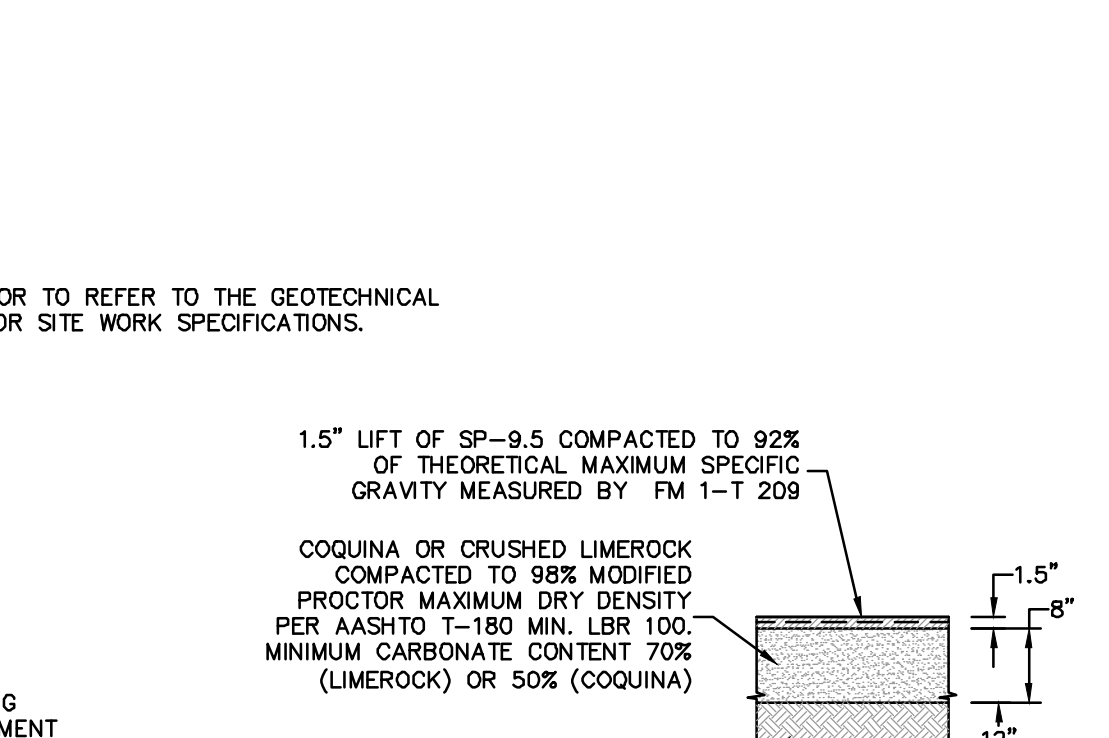
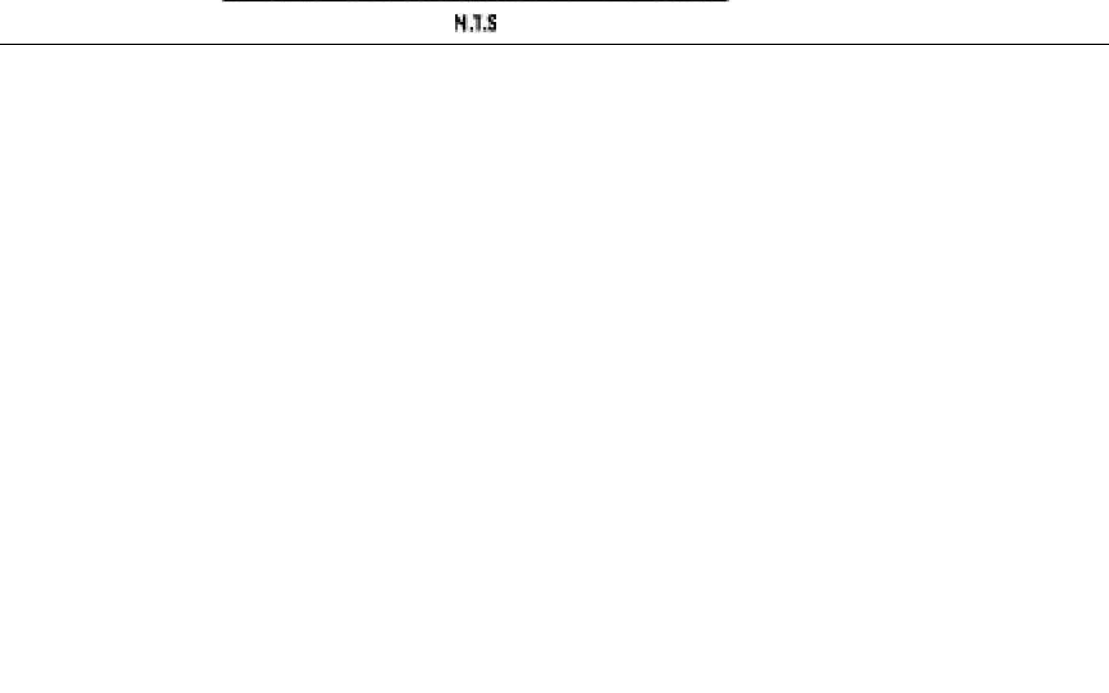
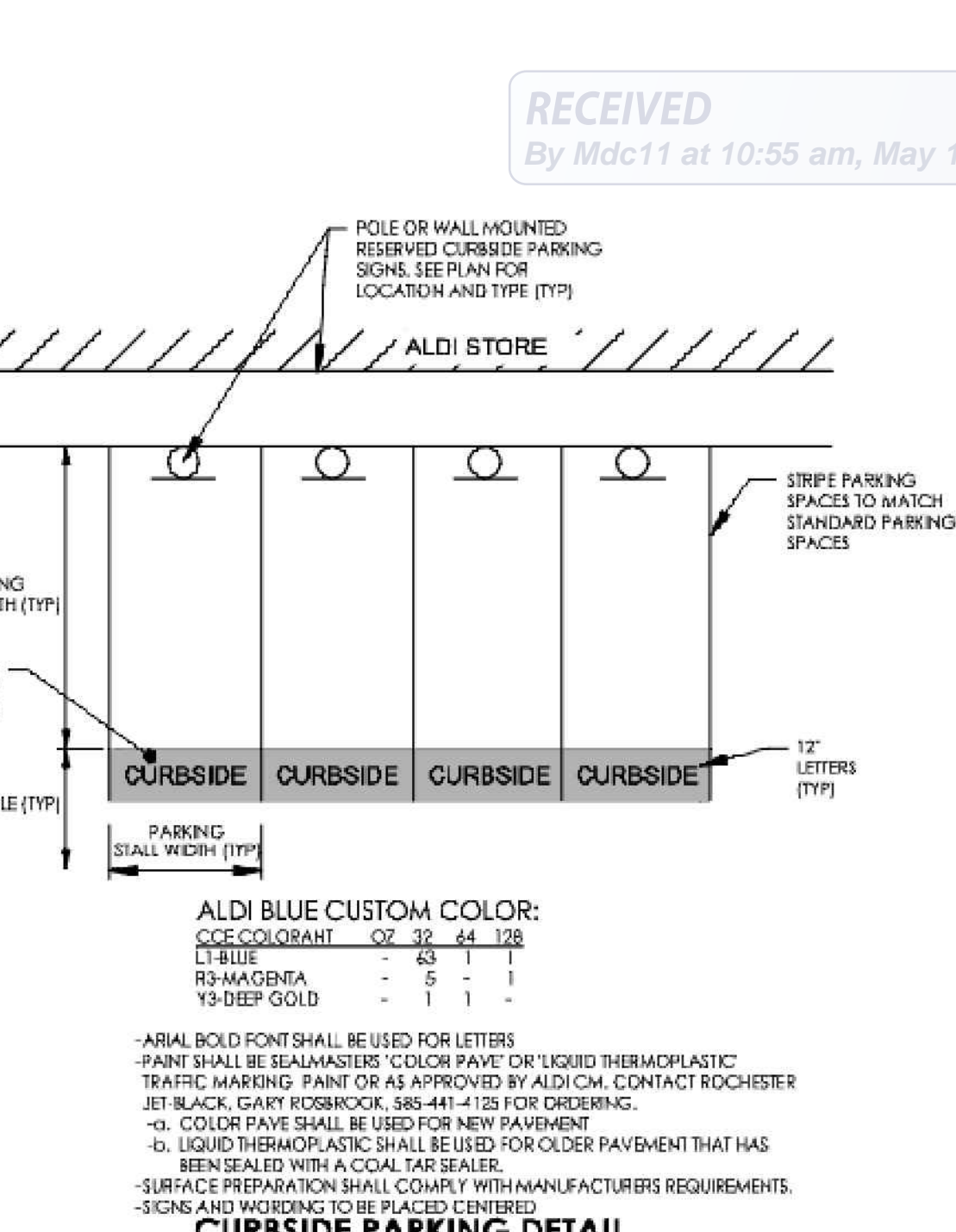
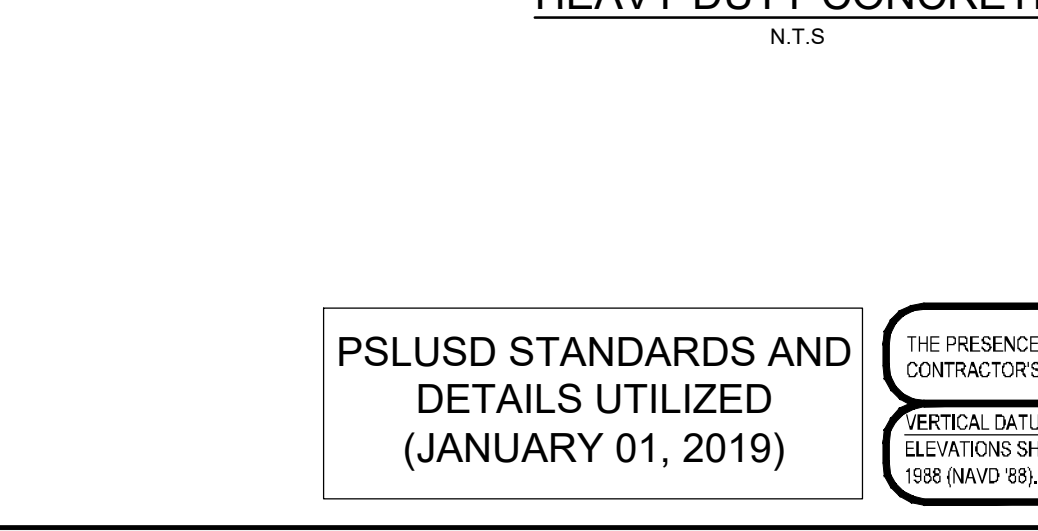
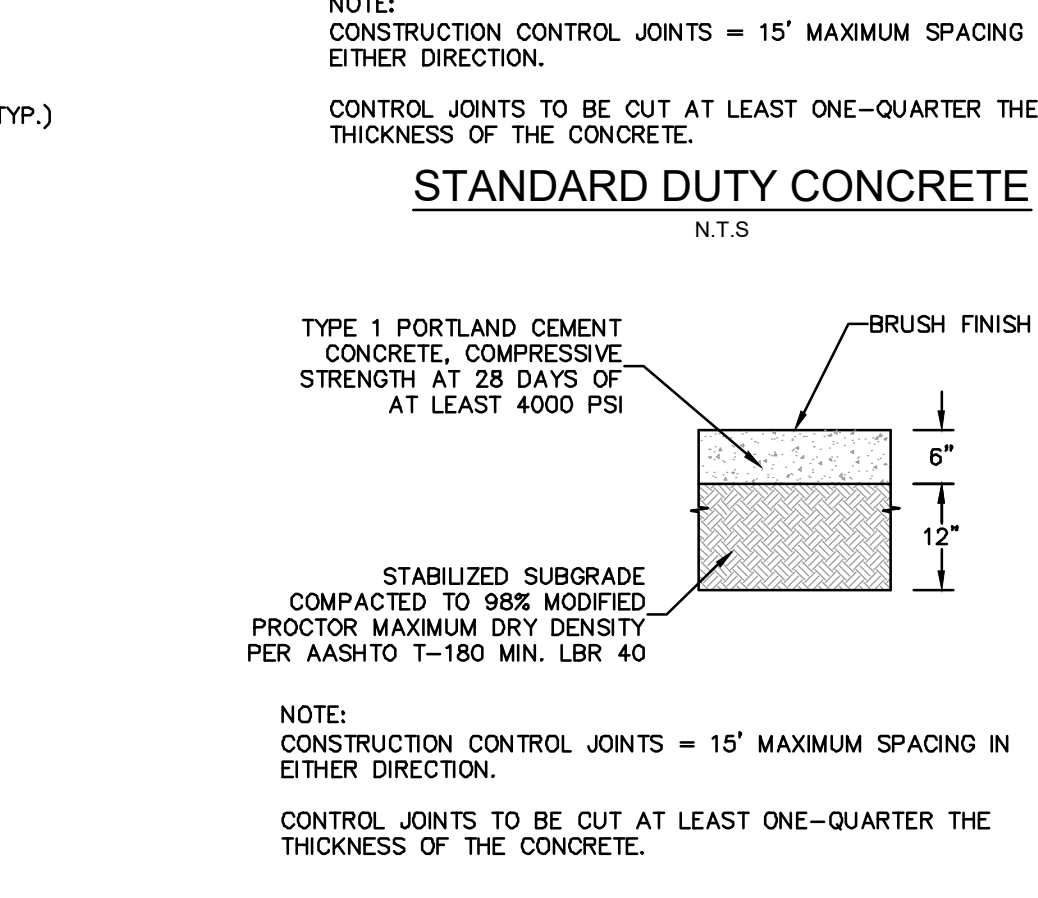
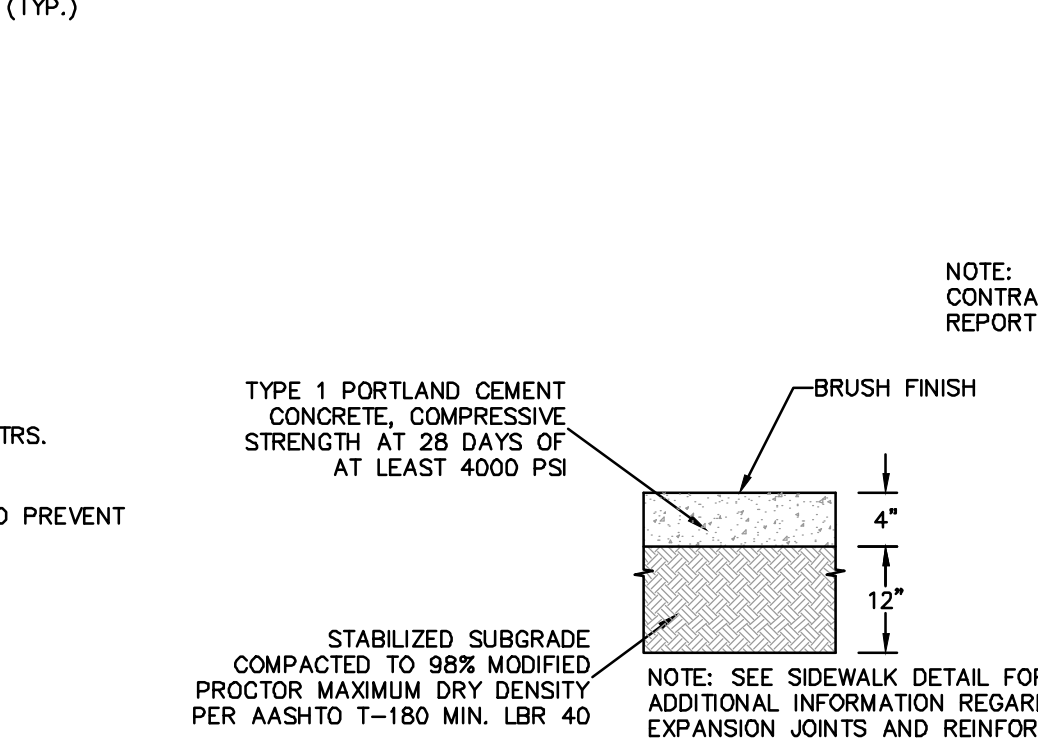
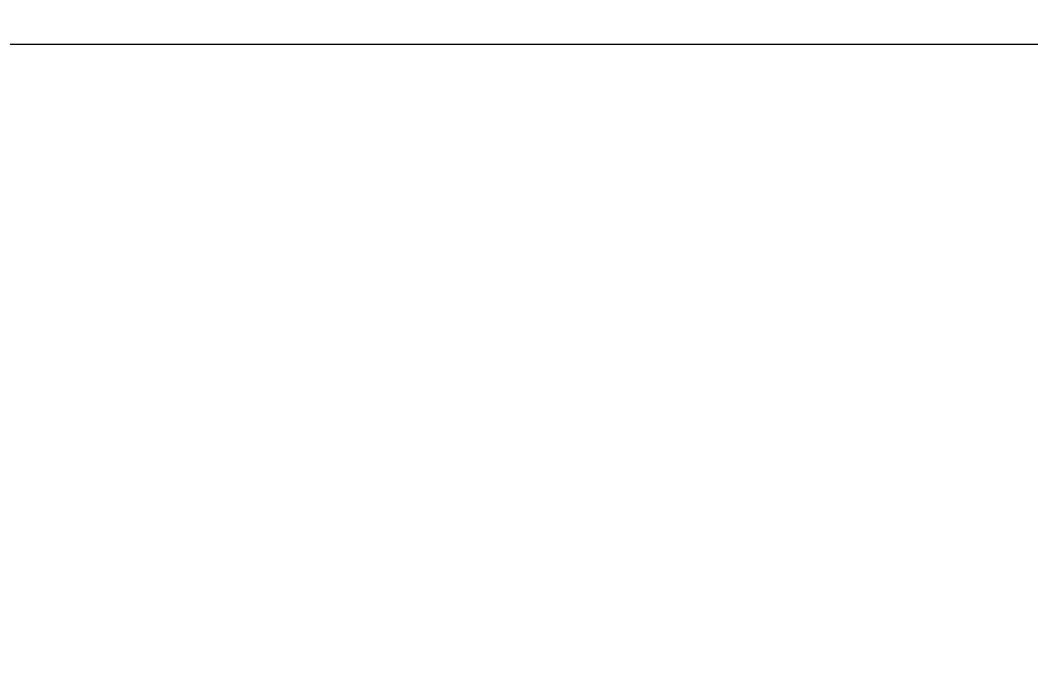
THE SHOPPES AT THE HEART OF TRADITION FOR BANYAN DEVELOPMENT
 SAINT LUCIE COUNTY FLORIDA

SHEET NUMBER
C-304

Plotted By: Anderson, Sarah - Sheet: 147842000 - The Shoppes at the Heart of Tradition - PAVING, GRADING AND DRAINAGE DETAILS - MAY 16, 2023 - 03:28:39pm - K:\VRB-ALDEV\147842000 - bsnr\p31\CAD\Drawings\C-305 PAVING, GRADING AND DRAINAGE DETAILS - 147842000.dwg
 This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



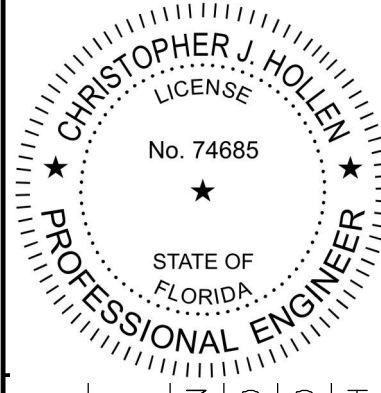
- SITE NOTES:**
- SIGN NUMBER SHALL MATCH PARKING SPACE NUMBER.
 - FOR STORE LOCATION THAT DO NOT HAVE A CURB RAMP ADJACENT TO THE CURBSIDE EGRESS DOOR, THE CONTRACTOR SHALL COORDINATE WITH THE ALDI CONSTRUCTION MANAGER TO DETERMINE IF A PORTABLE RAMP SHALL BE INCLUDED. PORTABLE RAMP SHALL BE "GUARDIAN KR36R RUBBER CURB RAMP - 6"
- TRAFFIC SIGNAGE AND PAVEMENT MARKINGS:**
- FONT STYLE FOR CURBSIDE SIGNAGE, PARKING SPACE LETTERING AND PARKING SPACE NUMBERING SHALL BE ARIAL BOLD.
 - PAVEMENT MARKINGS SHALL BE THE TYPE, COLOR, SIZE, AND LOCATIONS SHOWN ON THE PLANS. CONTRACTOR SHALL PROVIDE TWO (2) COATS OF PAINT FOR ALL PAVEMENT MARKINGS. IF THE INFORMATION ON THE PLANS AND DETAILS IS NOT COMPLETE AND THE AUTHORITY HAVING JURISDICTION DOES NOT HAVE REQUIREMENTS REGARDING THIS, USE THE FOLLOWING:
 - PAINT SHALL BE SUPPLIED IN ACCORDANCE WITH AASHTO: M 248 LATEST EDITION.
 - COLORS SHALL BE AS FOLLOWS:
 - YELLOW - PARKING STALLS, PARKING ISLANDS, AND PAVEMENT MARKINGS
 - WHITE - STOP BARS AND LETTERING, PEDESTRIAN CROSSINGS, HANDICAP PARKING SYMBOL AND CHARACTERS, TRAFFIC CONTROL LETTERING AND CHARACTERS
 - BLUE - BACKGROUND OF HANDICAP PARKING SYMBOL
 - REFER TO CURBSIDE PARKING DETAIL FOR PAINT TYPE, COLOR AND FONT
 - THE PAVEMENT SHALL BE CLEAN AND FREE OF DIRT, DUST, MOISTURE, OILS, AND OTHER FOREIGN MATERIALS. ANY OLD PAVEMENT MARKINGS SHALL BE REMOVED UNLESS PARTS ARE COMPATIBLE AND IDENTICAL. THE SURFACE OF THE PAVEMENT PRIOR TO APPLICATION SHALL BE 45 DEGREES F AND RUBING UNLESS MANUFACTURER'S RECOMMENDATIONS ARE GREATER. ALL PAINTING SHALL BE APPLIED IN APPROPRIATE WEATHER CONDITIONS (E.G. TEMPERATURE, WIND, PRECIPITATION), AND IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
 - THE SIGNAGE AND PAVEMENT MARKINGS SHALL BE THE TYPE AND AT THE GENERAL LOCATION SHOWN ON THE DRAWINGS.
 - POSTS, BRACKETS, AND FRAMES SHALL BE STEEL PER ASTM A 36, A 502, A 441, A 572, A 588, GRADE 55, AND 100% GALVANIZED IN ACCORDANCE WITH ASTM A 123. ALL CUTTING, DRILLING, OR OTHER POLE MODIFICATIONS SHALL BE PAINTED WITH GALVANIZING PAINT. ALL BOLTS, NUTS, AND WASHERS SHALL BE STAINLESS STEEL.
 - POST HOLES IN PAVEMENT SHALL BE IN ACCORDANCE WITH THE DETAIL UNLESS POOR SOILS OR FROST CONDITIONS REQUIRE GREATER DEPTH. SIGN POSTS SHALL BE KEPT PLUMB. CIRCLES ON BOTTOMS AND CENTERED AS 4000 PSI CONCRETE IS PLACED AROUND THE POST. THE OVERALL SIGN AND POST SYSTEM SHOULD BE ABLE TO WITHSTAND 35 POUNDS PER SQUARE FOOT.
 - CONTRACTOR CAN PLACE SIGNS ON POSTS AFTER CONCRETE HAS CURED FOR SEVEN DAYS OR 84 STRENGTH IS ACHIEVED.
 - ALL HANDICAP SIGNING AND SIGNAGE, INCLUDING SPACES, CROSSWALK, ACCESSIBLE PATH, AND CURB RAMP, SHALL MEET AMERICANS WITH DISABILITIES ACT (ADA) REQUIREMENTS. FIRE LANE STRIPING AND SIGNAGE SHALL MEET THE REQUIREMENTS OF THE LOCAL BUILDING INSPECTOR AND FIRE DEPARTMENT.



RECEIVED
By Mdc11 at 10:55 am, May 18, 2023

| NO. | REVISIONS | DATE | BY |
|-----|-----------|------|----|
| | | | |

Kimley»Horn
 © 2023 KIMLEY-HORN AND ASSOCIATES, INC.
 445 24TH STREET, SUITE 200, VERO BEACH, FL 32960
 PHONE: 772-794-4100
 WWW.KIMLEY-HORN.COM
 REGISTRY NO. 35106



KHA PROJECT
147842000
DATE
8/18/2021
SCALE
AS SHOWN
DESIGNED BY
DFD
DRAWN BY
DFD
CHECKED BY
CJH

PAVING GRADING AND DRAINAGE DETAILS

THE SHOPPES AT THE HEART OF TRADITION FOR BANYAN DEVELOPMENT
 SAINT LUCIE COUNTY FLORIDA

811
Know what's below. Call before you dig.
CITY OF PORT ST. LUCIE PROJECT # P21-239
PSLUSD PROJECT # 5211E

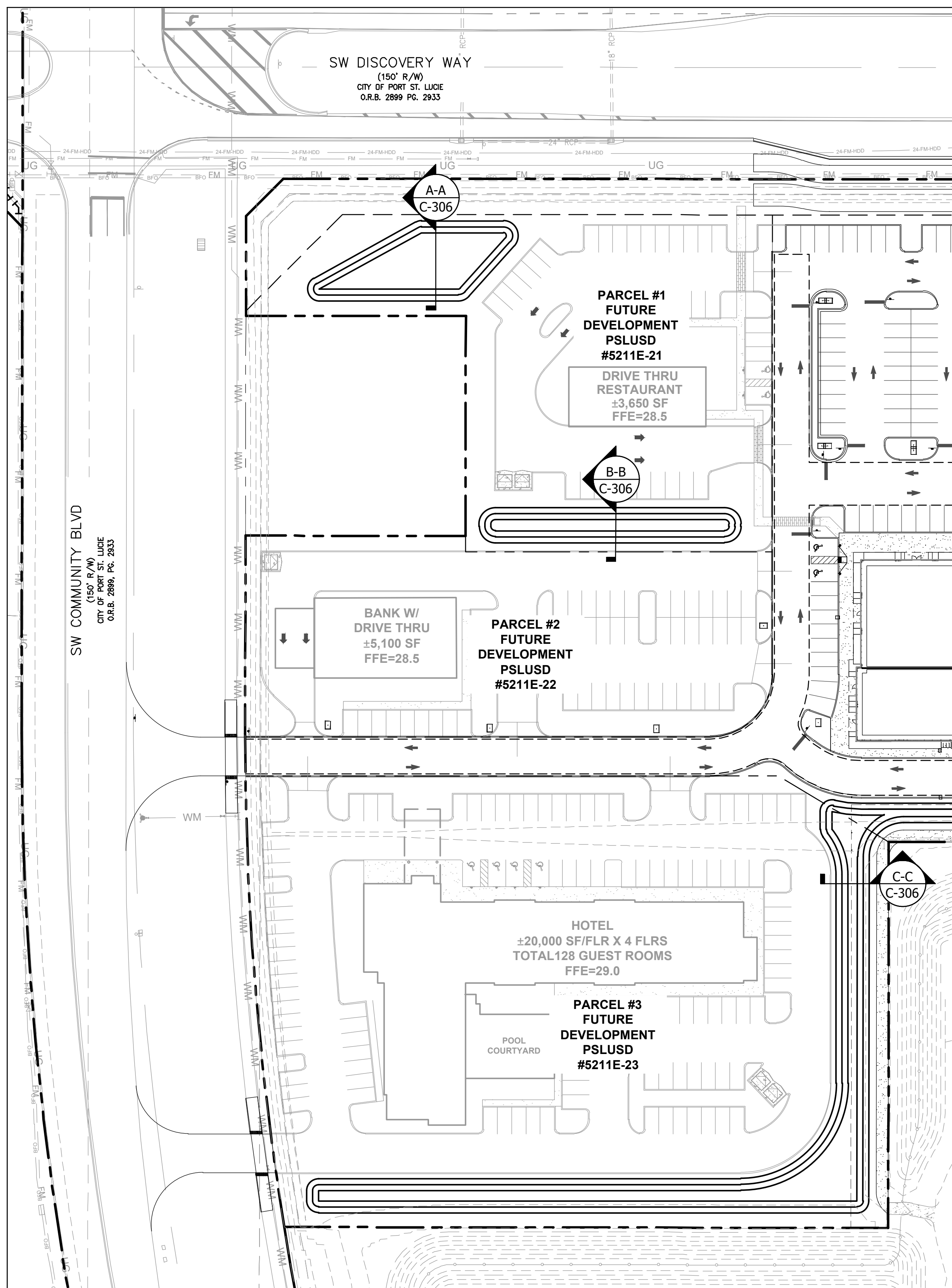
SHEET NUMBER
C-305

PSLUSD STANDARDS AND DETAILS UTILIZED (JANUARY 01, 2019)

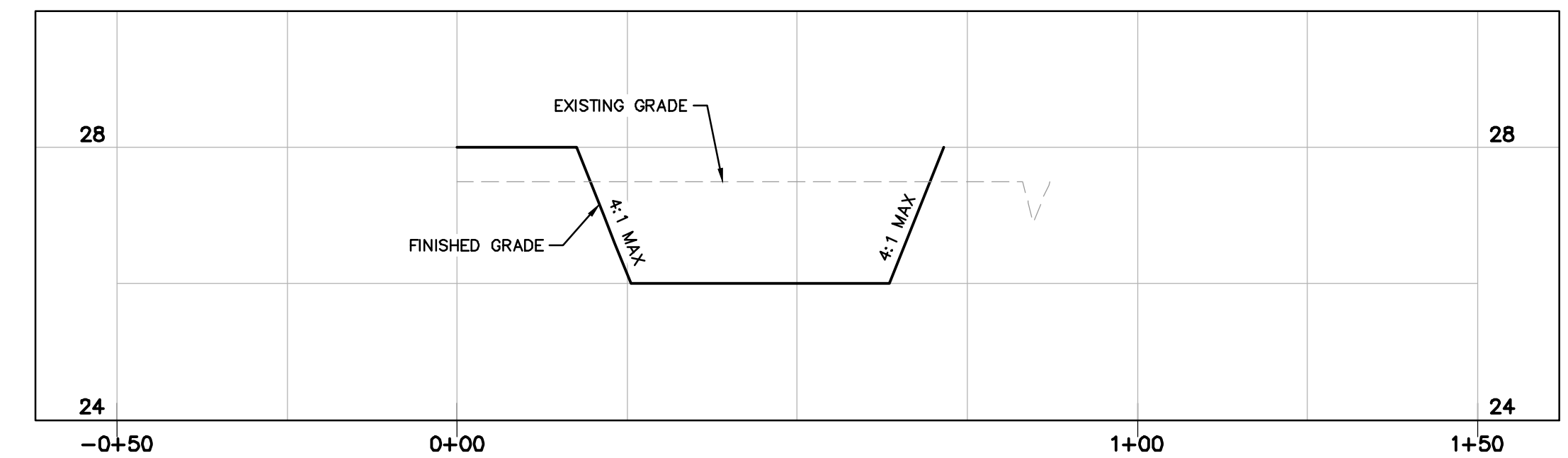
THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTORS SHOULD INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE.

VERTICAL DATUM
ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). SUBTRACT 1.57' FROM NAVD 29 ELEVATION TO GET THE NAVD 88 ELEVATION.

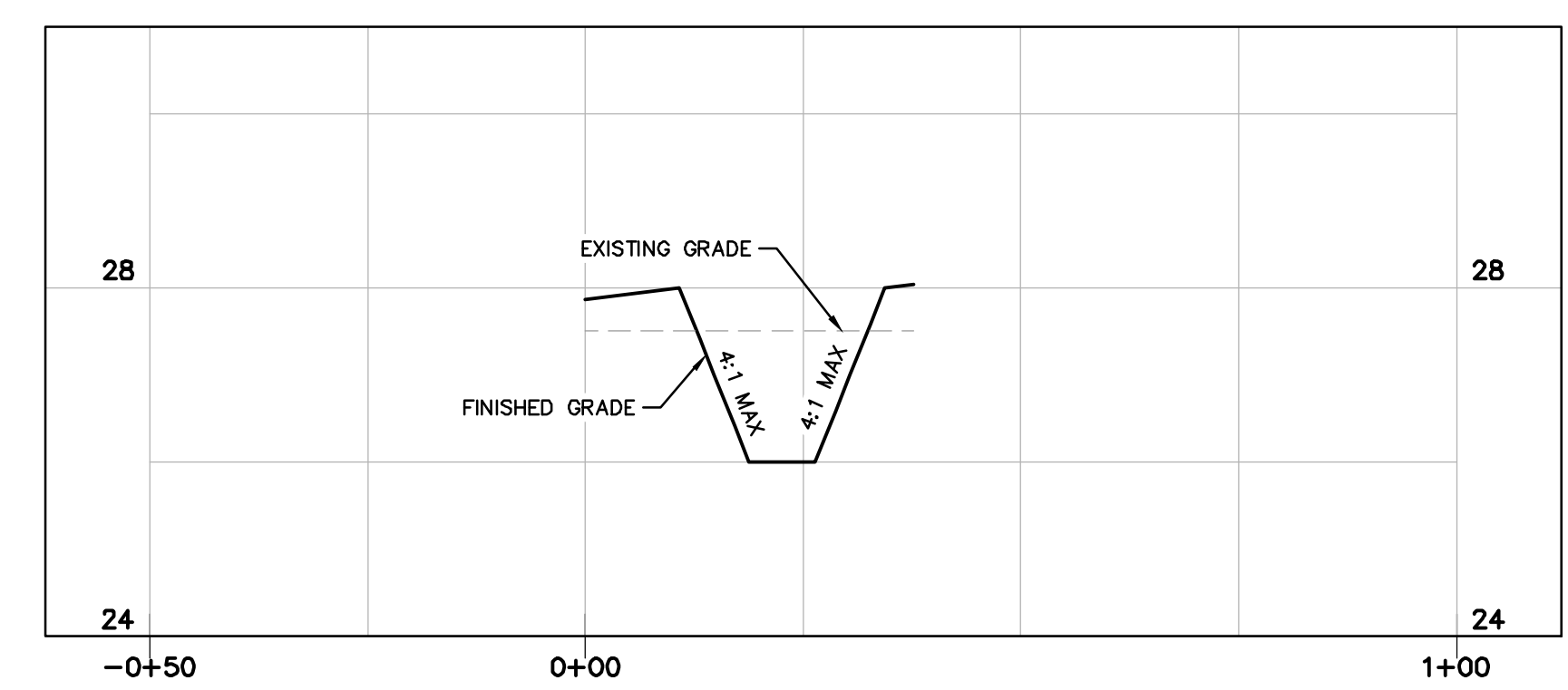
Plotted By: Anderson, Sarah Sheet: 147842000 - The Shoppes at the Heart of Tradition Layout: C-306 POND CROSS SECTIONS May 16, 2023 03:29:04pm K:\VRB_LDEV\147842000 - banyan.psl\CAD\plansheets\C-306 POND CROSS SECTIONS - 147842000.dwg
 This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



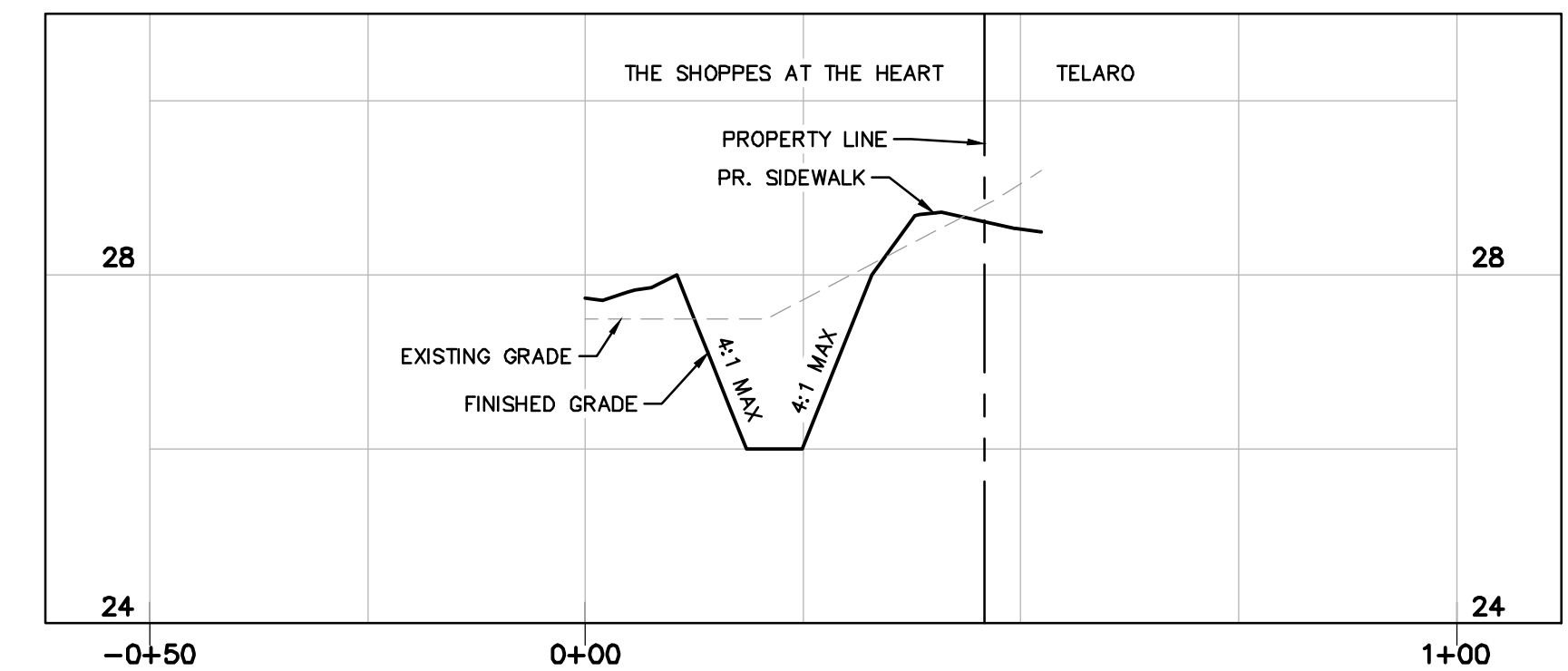
POND CROSS SECTION KEY MAP
 SCALE: 1"=50'



POND CROSS SECTION 'A-A'
 SCALE: 1"=20' (H) / 1"=2' (V)



POND CROSS SECTION 'B-B'
 SCALE: 1"=20' (H) / 1"=2' (V)

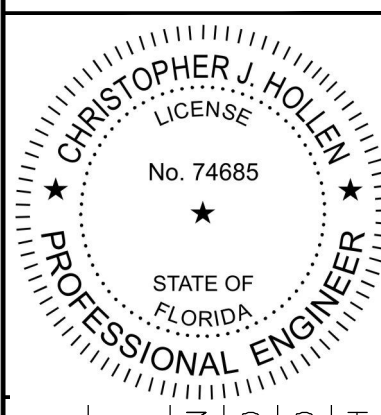


POND CROSS SECTION 'C-C'
 SCALE: 1"=20' (H) / 1"=2' (V)

RECEIVED
 By Mdc11 at 10:55 am, May 18, 2023

| No. | REVISIONS | DATE | BY |
|-----|-----------|------|----|
| | | | |
| | | | |
| | | | |
| | | | |

Kimley»Horn
 © 2023 KIMLEY-HORN AND ASSOCIATES, INC.
 445 24TH STREET, SUITE 200, VERO BEACH, FL 32960
 PHONE: 772-794-4100
 WWW.KIMLEY-HORN.COM REGISTRY NO. 35106



| | |
|-------------|-----------|
| KHA PROJECT | 147842000 |
| DATE | 8/18/2021 |
| SCALE | AS SHOWN |
| DESIGNED BY | DFD |
| DRAWN BY | DFD |
| CHECKED BY | CJH |

POND CROSS SECTIONS

THE SHOPPES AT THE HEART OF TRADITION FOR BANYAN DEVELOPMENT
 SAINT LUCIE COUNTY FLORIDA

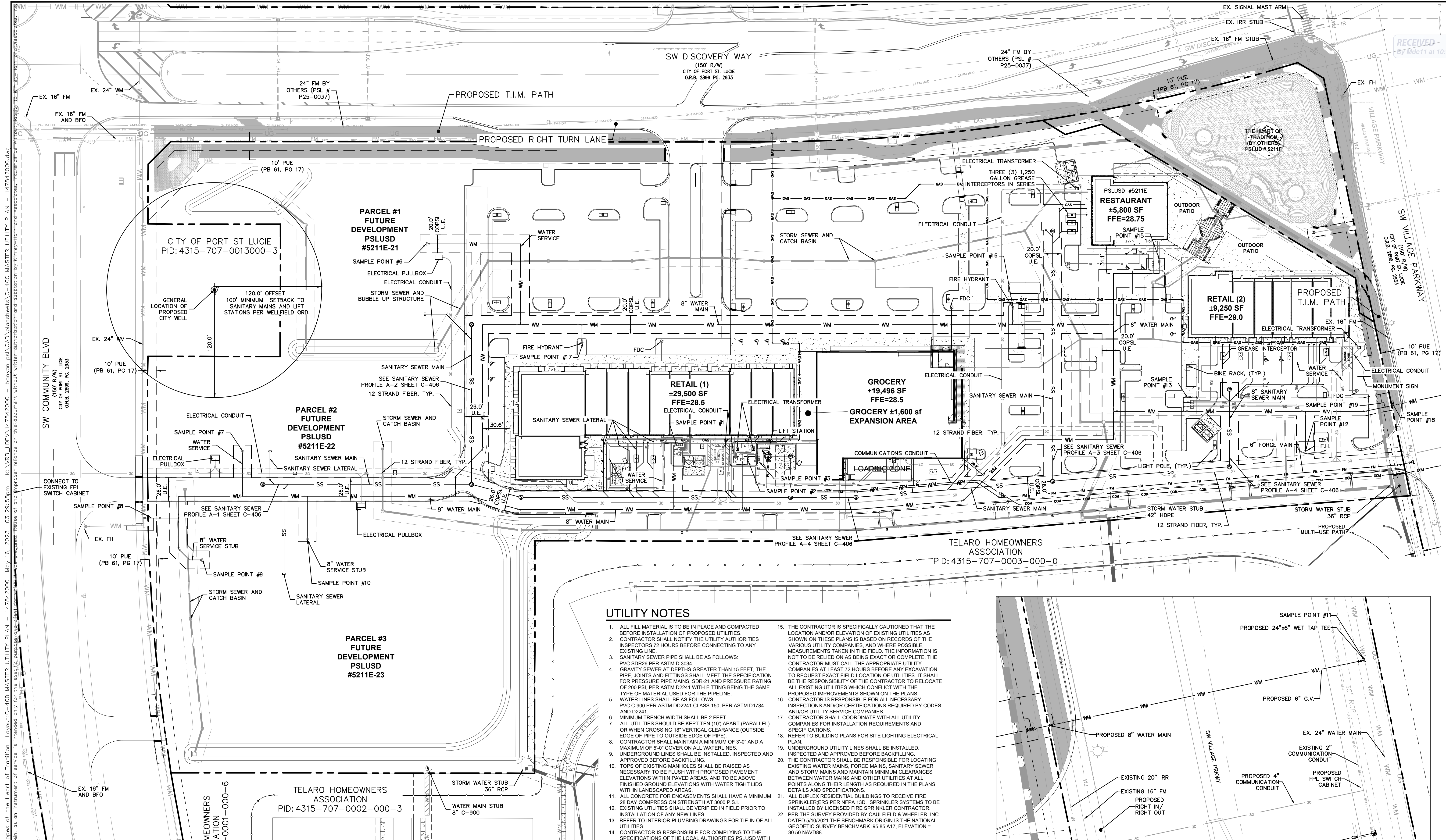
SHEET NUMBER
C-306

PSLUSD STANDARDS AND DETAILS UTILIZED (JANUARY 01, 2019)

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE.
 VERTICAL DATUM
 ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). SUBTRACT 1.57' FROM NAVD 29 ELEVATION TO GET THE NAVD 88 ELEVATION.

Know what's below. Call before you dig.
 CITY OF PORT ST. LUCIE PROJECT # P21-239
 PSLUSD PROJECT # 5211E





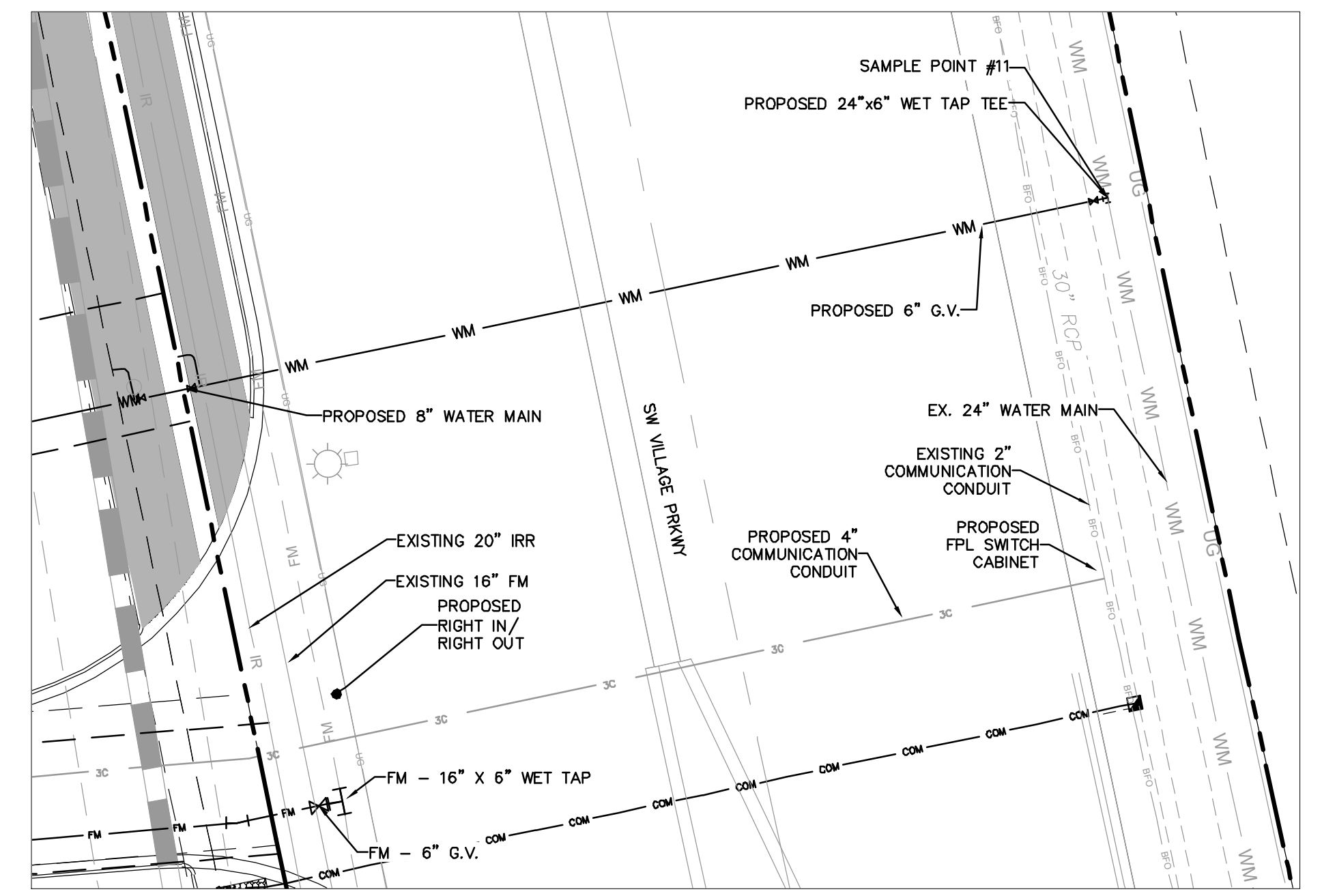
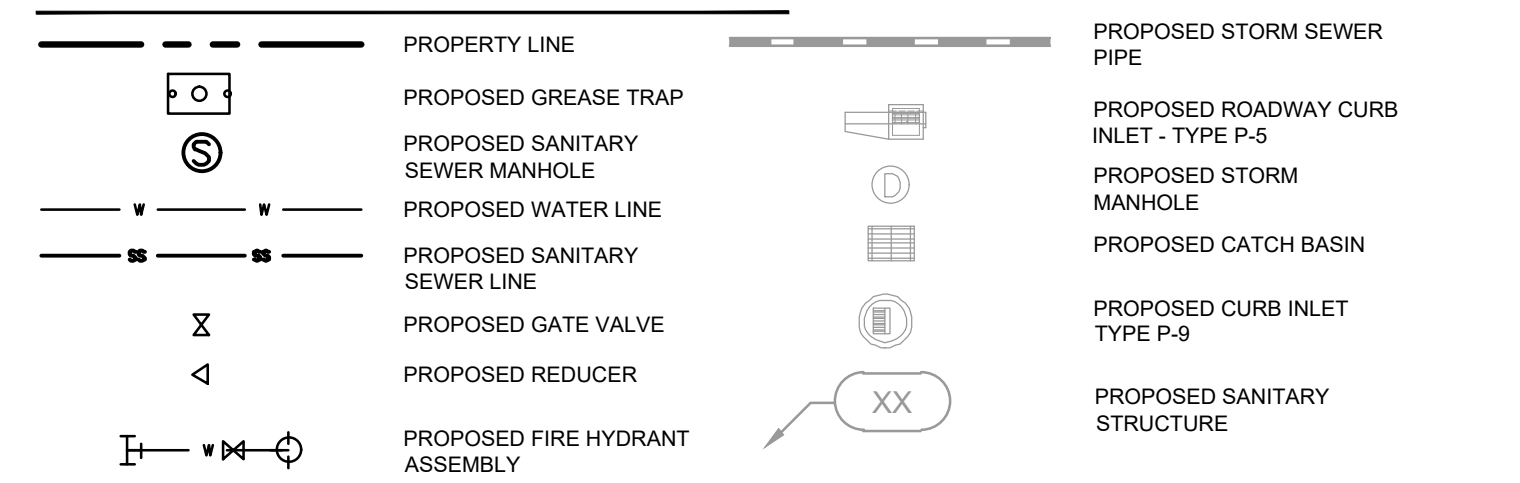
UTILITY NOTES

1. ALL FILL MATERIAL IS TO BE IN PLACE AND COMPACTED BEFORE INSTALLATION OF PROPOSED UTILITIES.
2. CONTRACTOR SHALL NOTIFY THE UTILITY AUTHORITIES INSPECTORS 72 HOURS BEFORE CONNECTING TO ANY EXISTING LINE.
3. SANITARY SEWER PIPE SHALL BE AS FOLLOWS:
PVC SDR26 PER ASTM D 3034
4. GRAVITY SEWER AT DEPTHS GREATER THAN 15 FEET, THE PIPE JOINTS AND FITTINGS SHALL MEET THE SPECIFICATION FOR PRESSURE PIPE MAINS, SDR-21 AND PRESSURE RATING OF 200 PSI, PER ASTM D2241 WITH FITTING BEING THE SAME TYPE OF MATERIAL USED FOR THE PIPELINE.
5. WATER LINES SHALL BE AS FOLLOWS:
PVC C-900 PER ASTM D2241 CLASS 150, PER ASTM D1784 AND D2241.
6. MINIMUM TRENCH WIDTH SHALL BE 2 FEET.
7. ALL UTILITIES SHOULD BE KEPT TEN (10) APART (PARALLEL) OR WHEN CROSSING 18" VERTICAL CLEARANCE (OUTSIDE EDGE OF PIPE TO OUTSIDE EDGE OF PIPE).
8. CONTRACTOR SHALL MAINTAIN A MINIMUM OF 3'-0" AND A MAXIMUM OF 5'-0" COVER ON ALL WATERLINES.
9. UNDERGROUND LINES SHALL BE INSTALLED, INSPECTED AND APPROVED BEFORE BACKFILLING.
10. TOPS OF EXISTING MANHOLES SHALL BE RAISED AS NECESSARY TO BE FLUSH WITH PROPOSED PAVEMENT ELEVATIONS WITHIN PAVED AREAS, AND TO BE ABOVE FINISHED GROUND ELEVATIONS WITH WATER TIGHT LIDS WITHIN LANDSCAPED AREAS.
11. ALL CONCRETE FOR ENCASUREMENTS SHALL HAVE A MINIMUM 28 DAY COMPRESSION STRENGTH AT 3000 P.S.I.
12. EXISTING UTILITIES SHALL BE VERIFIED IN FIELD PRIOR TO INSTALLATION OF ANY NEW LINES.
13. REFER TO INTERIOR PLUMBING DRAWINGS FOR TIE-IN OF ALL UTILITIES.
14. CONTRACTOR IS RESPONSIBLE FOR COMPLYING TO THE SPECIFICATIONS OF THE LOCAL AUTHORITIES PSLUD WITH REGARDS TO MATERIALS AND INSTALLATION OF THE WATER AND SEWER LINES.
15. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO LOCATE EXISTING UTILITIES. IF THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS. CONTRACTOR IS RESPONSIBLE FOR ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES AND/OR UTILITY SERVICE COMPANIES.
16. CONTRACTOR SHALL COORDINATE WITH ALL UTILITY COMPANIES FOR INSTALLATION REQUIREMENTS AND SPECIFICATIONS.
17. REFER TO BUILDING PLANS FOR SITE LIGHTING ELECTRICAL PLAN.
18. UNDERGROUND UTILITY LINES SHALL BE INSTALLED, INSPECTED AND APPROVED BEFORE BACKFILLING.
19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING EXISTING WATER MAINS, FORCE MAINS, SANITARY SEWER AND STORM MAINS AND MAINTAIN MINIMUM CLEARANCES BETWEEN WATER MAINS AND OTHER UTILITIES AT ALL POINTS ALONG THEIR LENGTH AS REQUIRED IN THE PLANS, DETAILS AND SPECIFICATIONS.
20. ALL DUPLEX RESIDENTIAL BUILDINGS TO RECEIVE FIRE SPRINKLERS PER NFPA 13D. SPRINKLER SYSTEMS TO BE INSTALLED BY LICENSED FIRE SPRINKLER CONTRACTOR.
21. PER THE SURVEY PROVIDED BY CAULFIELD & WHEELER, INC. DATED 5/10/2021 THE BENCHMARK ORIGIN IS THE NATIONAL GEODETIC SURVEY BENCHMARK 195 85 A17, ELEVATION = 30.50 NAVD88.

WELLFIELD NOTE

THE DEVELOPER IS PROHIBITED FROM INSTALLING SANITARY SEWER MAINS, SANITARY SEWER MANHOLES, AND SANITARY SEWER LIFT STATIONS WITHIN A 100' RADIUS PROTECTION ZONE OF THE CITY OF PORT ST. LUCIE UTILITY SYSTEM DEPARTMENT'S CONTEMPLATED DRINKING WATER WELL.

LEGEND

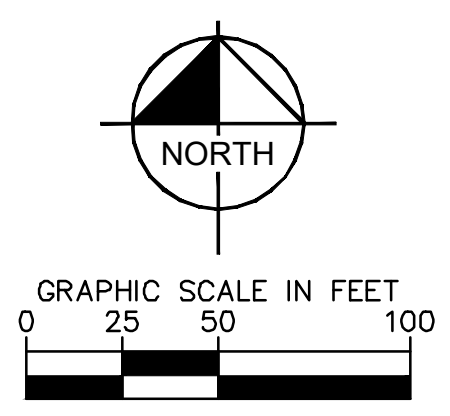


VILLAGE PARKWAY FM & WM CONNECTION DETAIL

SAMPLE POINT SPACING

| SAMPLE POINT | DISTANCE | SAMPLE POINT | DISTANCE |
|--------------|----------|--------------|----------|
| #1 TO 2 | 209' | #8 TO 9 | 107' |
| #2 TO 13 | 631' | #16 TO 13 | 354' |
| #3 TO 13 | 643' | #13 TO 12 | 200' |
| #1 TO 10 | 533' | #11 TO 12 | 285' |
| #6 TO 17 | 283' | #15 TO 16 | 285' |
| #17 TO 10 | 548' | #16 TO 17 | 519' |
| #7 TO 10 | 172' | #12 TO 19 | 133' |
| #7 TO 8 | 185' | | |

NOTE: SAMPLE POINTS 4, 5, AND 14 PURPOSELY OMITTED FROM PLANS



THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTORS SHOULD INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE.
VERTICAL DATUM
ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). SUBTRACT 1.07' FROM NAVD 29 ELEVATION TO GET THE NAVD 88 ELEVATION.

CITY OF PORT ST. LUCIE PROJECT # P21-239
PSLUD PROJECT # 5211E

Kimley»Horn
© 2023 KIMLEY-HORN AND ASSOCIATES, INC.
445 24TH STREET, SUITE 200, VERO BEACH, FL 32960
PHONE: 772-794-4100
WWW.KIMLEY-HORN.COM
REGISTRY NO. 35106

CHRISTOPHER J. HOLLEN
No. 74685
STATE OF FLORIDA
PROFESSIONAL ENGINEER

KHA PROJECT 14784-2000
DATE 8/18/2021
SCALE AS SHOWN
DESIGNED BY DFD
DRAWN BY DFD
CHECKED BY CJH

MASTER UTILITY PLAN

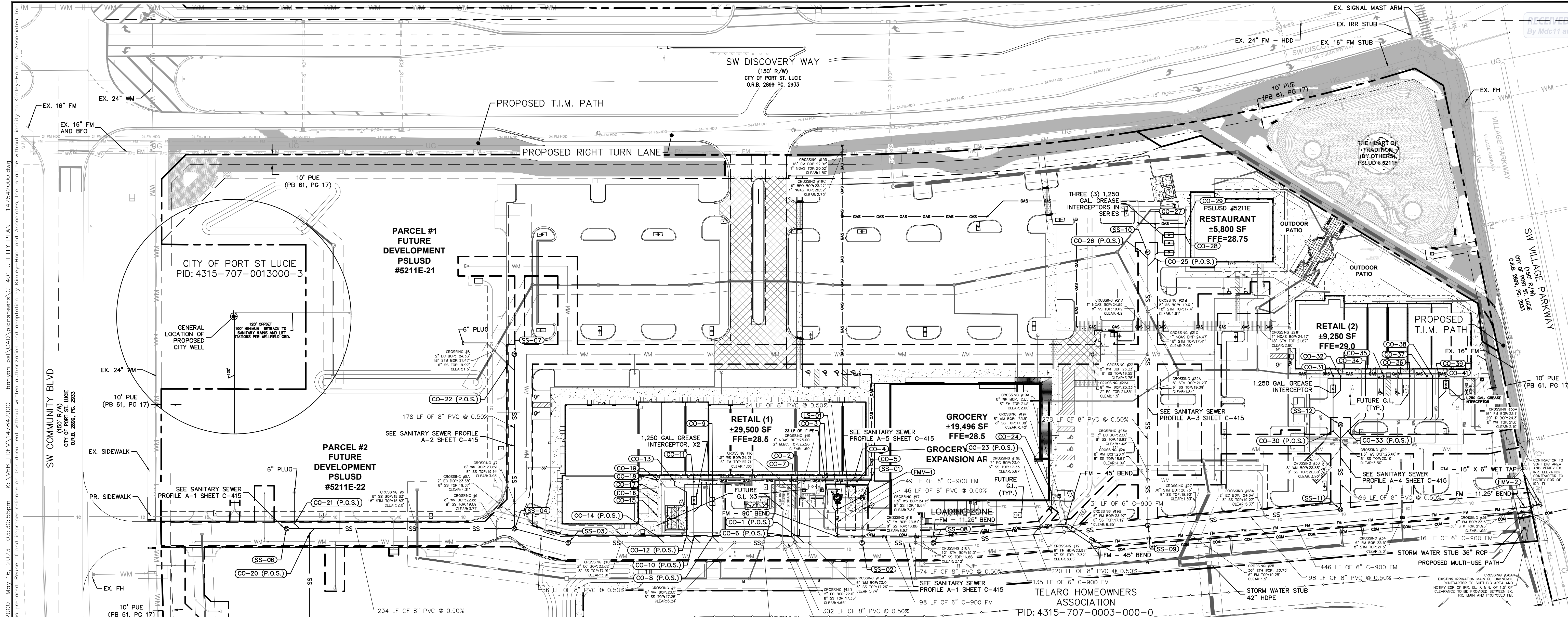
THE SHOPPES AT THE HEART OF TRADITION FOR BANYAN DEVELOPMENT

SAINT LUCIE COUNTY FLORIDA

SHEET NUMBER C-400

REVISIONS

DATE



| Crossing Number | Crossings | Clearance | Crossing Number | Crossings | Clearance | Crossing Number | Crossings | Clearance | Crossing Number | Crossings | Clearance |
|-----------------|--|-----------|-----------------|---|-----------|-----------------|--|-----------|-----------------|--|-----------|
| #5 | 8" SS BOP: 18.83' 18" STM TOP: 16.83' | 2.0' | #15 | 1" NGAS BOP: 25.00' 2" ELEC. TOP: 23.50' | 1.50' | #19F | 8" WM BOP: 23.5' | 6.42' | #28 | 36" STM BOP: 20.75' | 1.5' |
| #5A | 2" EC BOP: 23.38' 8" SS TOP: 19.07' | 4.31' | #16 | 1.5" WS BOP: 24.21' 6" FM TOP: 22.71' | 1.50' | #21A | 1" NGAS BOP: 24.59' | 4.9' | #28A | 2" EC BOP: 24.64' | 5.37' |
| #6 | 8" WM BOP: 22.86' 8" SS TOP: 19.09' | 3.77' | #17 | 1.5" WS BOP: 24.15' 8" SS TOP: 16.84' | 7.31' | #21B | 8" SS BOP: 19.01' | 1.61' | #29 | 1.5" WS BOP: 23.60' | 3.50' |
| #7 | 8" WM BOP: 23.09' 18" STM TOP: 21.47' | 3.95' | #18 | 6" FM BOP: 23.81' 8" SS TOP: 16.88' | 6.93' | #21C | 1" NGAS BOP: 24.47' | 7.06' | #30 | 8" SS TOP: 20.08' | 3.80' |
| #8 | 2" EC BOP: 23.22' 8" SS TOP: 17.91' | 1.5' | #18A | 12" STM BOP: 19.0' 8" SS TOP: 16.88' | 2.12' | #21F | 1" NGAS BOP: 24.47' | 2.80' | #34 | 6" FM BOP: 23.5' | 2.0' |
| #10 | 8" WM BOP: 23.50' 8" SS TOP: 17.26' | 5.91' | #19 | 6" FM BOP: 23.97' 6" SS TOP: 17.32' | 6.65' | #22 | 8" WM BOP: 23.33' | 3.78' | #35A | 16" FM BOP: 23.1' 20" IR BOP: 21.0' | 2.10' |
| #11 | 8" WM BOP: 23.50' 8" SS TOP: 17.26' | 6.24' | #19B | 6" FM BOP: 23.97' 8" SS TOP: 17.12' | 6.85' | #22A | 8" STM BOP: 21.23' | 1.84' | #36 | 6" FM BOP: 23.5' | 1.55' |
| #13 | 12" STM BOP: 20.0' | 2.48' | #19A | 8" WM BOP: 23.5' 6" FM TOP: 21.5' | 2.00' | #26 | 8" WM BOP: 23.0' | 4.09' | | | |
| #13C | 2" EC BOP: 22.0' 8" SS TOP: 17.41' | 4.59' | #19D | 16" FM BOP: 22.02' 1" NGAS TOP: 20.52' | 1.50' | #26A | 3" EC BOP: 23.0' 8" SS TOP: 18.92' | 4.08' | | | |
| #13A | 8" WM BOP: 23.0' 8" SS TOP: 17.26' | 5.74' | #19C | 16" BFO BOP: 23.27' 1" NGAS TOP: 20.52' | 2.75' | #27 | 36" STM BOP: 20.75' 8" SS TOP: 18.92' | 1.83' | | | |
| #13D | 2" EC BOP: 22.0' 8" SS TOP: 17.35' | 4.65' | #19E | 2" EC BOP: 23.0' 6" SS TOP: 17.33' | 5.67' | | | | | | |

| STRUCTURE | TYPE | RM EL. (FT.) | INV. EL. (FT.) | PIPE SLOPES | AS-BUILT DATA |
|----------------|-------|--------------|---|-------------------------|---------------|
| CO-1 (P.O.S.) | 6" CO | RM: 27.20 | INV. IN: 16.74(N) INV. OUT: 16.74(S) | IN: 1.10% OUT: 1.10% | |
| CO-6 (P.O.S.) | 6" CO | RM: 27.16 | INV. IN: 16.77(N) INV. OUT: 16.77(S) | IN: 1.10% OUT: 1.10% | |
| CO-8 (P.O.S.) | 6" CO | RM: 26.95 | INV. IN: 17.25(N) INV. OUT: 17.25(S) | IN: 2.00% OUT: 2.00% | |
| CO-10 (P.O.S.) | 6" CO | RM: 26.98 | INV. IN: 17.60(N) INV. OUT: 17.60(S) | IN: 2.00% OUT: 2.00% | |
| CO-12 (P.O.S.) | 6" CO | RM: 27.00 | INV. IN: 17.38(N) INV. OUT: 17.38(S) | IN: 2.00% OUT: 2.00% | |
| CO-14 (P.O.S.) | 6" CO | RM: 27.17 | INV. IN: 17.45(N) INV. OUT: 17.45(S) | IN: 1.10% OUT: 1.10% | |
| CO-20 (P.O.S.) | 6" CO | RM: 28.28 | INV. IN: 18.43(S) INV. OUT: 18.43(N) | IN: 1.10% OUT: 1.10% | |
| CO-21 (P.O.S.) | 6" CO | RM: 28.64 | INV. IN: 18.51(N) INV. OUT: 18.51(S) | IN: 1.10% OUT: 1.10% | |

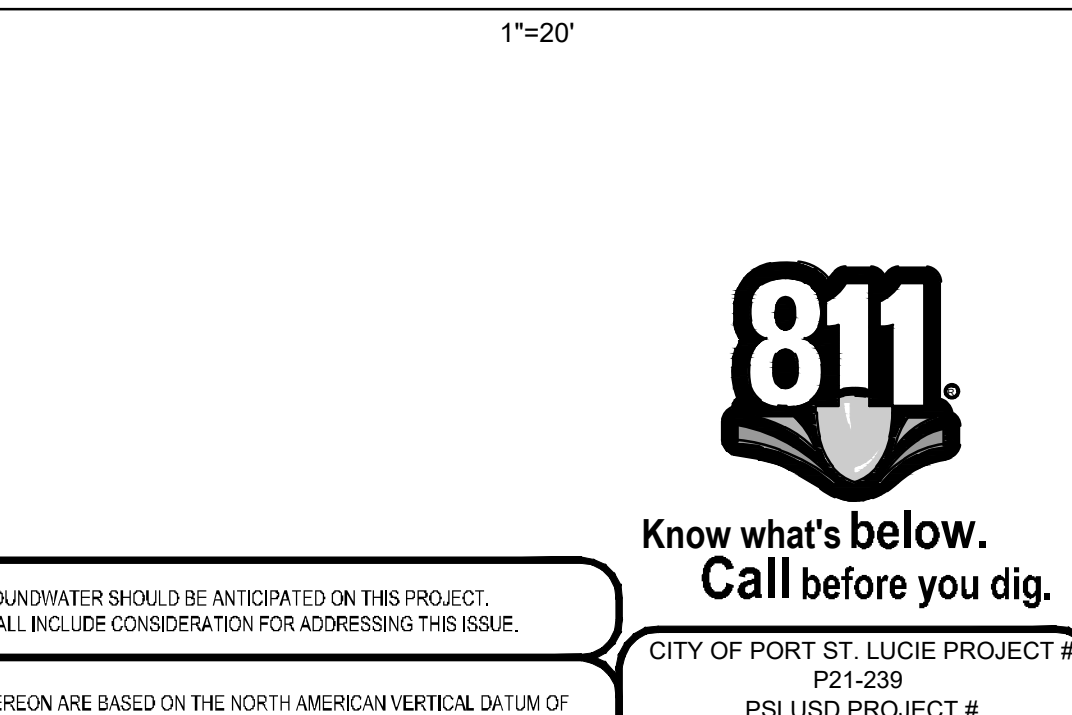
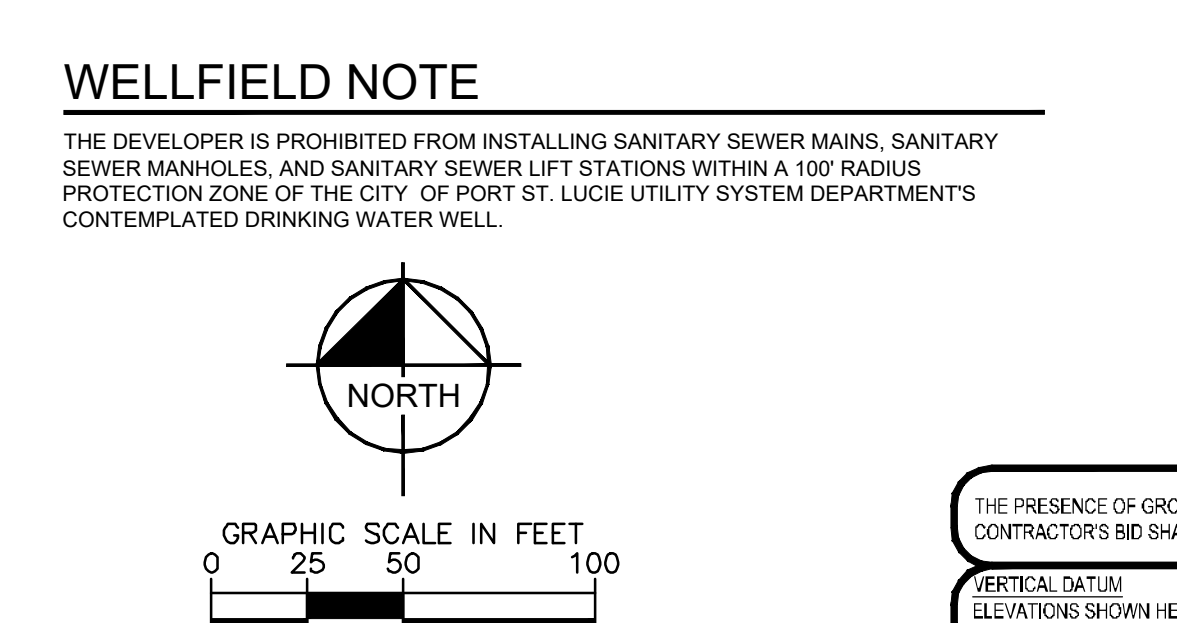
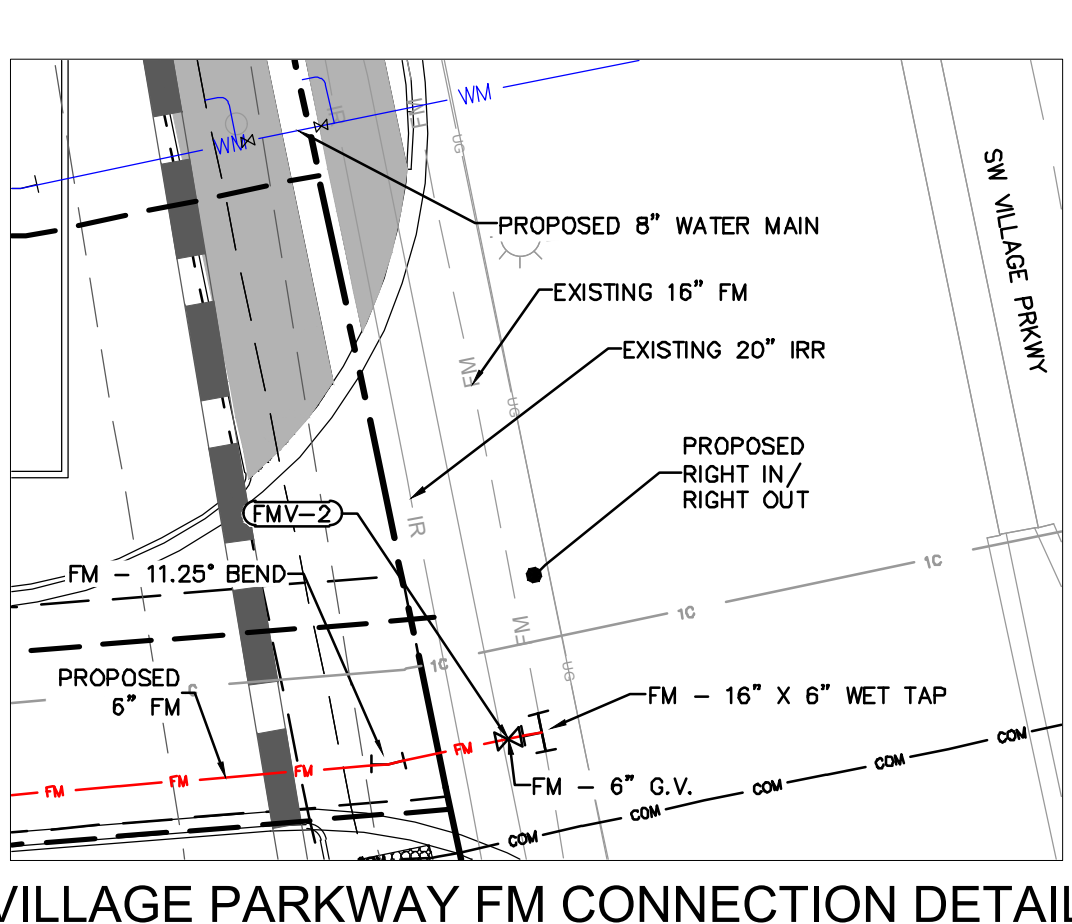
| STRUCTURE | TYPE | RM EL. (FT.) | INV. EL. (FT.) | PIPE SLOPES | AS-BUILT DATA |
|----------------|-------|--------------|---|-------------------------|---------------|
| CO-2 (P.O.S.) | 6" CO | RM: 27.71 | INV. IN: 18.24(W) INV. OUT: 19.24(S) | IN: 1.10% OUT: 1.10% | |
| CO-3 (P.O.S.) | 6" CO | RM: 27.77 | INV. IN: 18.01(S) INV. OUT: 17.84(S) | IN: 1.10% OUT: 1.10% | |
| CO-5 (P.O.S.) | 6" CO | RM: 27.74 | INV. IN: 18.45(N) INV. OUT: 18.45(S) | IN: 1.10% OUT: 1.10% | |
| CO-26 (P.O.S.) | 4" CO | RM: 27.36 | INV. IN: 18.49(S) INV. OUT: 18.49(S) | IN: 1.10% OUT: 1.10% | |
| CO-30 (P.O.S.) | 4" CO | RM: 27.88 | INV. IN: 18.77(N) INV. OUT: 18.77(S) | IN: 2.81% OUT: 2.81% | |
| CO-33 (P.O.S.) | 4" CO | RM: 27.68 | INV. IN: 19.57(N) INV. OUT: 19.57(S) | IN: 1.10% OUT: 1.10% | |

| STRUCTURE | TYPE | RM EL. (FT.) | INV. EL. (FT.) | PIPE SLOPES | AS-BUILT DATA |
|-----------|------------------|--------------|---|-------------------------|---------------|
| LS-01 | LEFT STATION | RM: 28.36 | INV. IN: 15.79(E) INV. OUT: 19.93(S) | IN: 0.49% OUT: 0.49% | |
| SS-01 | SANITARY MANHOLE | RM: 27.84 | INV. IN: 18.01(S) INV. OUT: 15.91(W) | IN: 1.10% OUT: 0.49% | |
| SS-02 | SANITARY MANHOLE | RM: 27.61 | INV. IN: 18.34(N) INV. OUT: 18.24(N) | IN: 1.10% OUT: 0.49% | |
| SS-03 | SANITARY MANHOLE | RM: 27.71 | INV. IN: 17.95(W) INV. OUT: 17.85(S) | IN: 0.50% OUT: 0.50% | |
| SS-04 | SANITARY MANHOLE | RM: 26.76 | INV. IN: 18.33(N) INV. OUT: 18.33(S) | IN: 0.50% OUT: 0.50% | |
| SS-06 | SANITARY MANHOLE | RM: 28.76 | INV. OUT: 19.50(C) | OUT: 0.50% | |
| SS-07 | SANITARY MANHOLE | RM: 27.47 | INV. OUT: 19.21(S) | OUT: 0.50% | |
| SS-08 | SANITARY MANHOLE | RM: 26.81 | INV. IN: 16.81(E) INV. OUT: 16.71(W) | IN: 0.50% OUT: 0.51% | |

- ### LEGEND
- PROPERTY LINE
 - PROPOSED GREASE TRAP
 - PROPOSED SANITARY SEWER MANHOLE
 - PROPOSED WATER LINE
 - PROPOSED SANITARY SEWER LINE
 - PROPOSED GATE VALVE
 - PROPOSED REDUCER
 - PROPOSED FIRE HYDRANT ASSEMBLY
 - PROPOSED STORM SEWER PIPE
 - PROPOSED ROADWAY CURB INLET - TYPE P-5
 - PROPOSED STORM MANHOLE
 - PROPOSED CATCH BASIN
 - PROPOSED CURB INLET TYPE P-9
 - PROPOSED SANITARY STRUCTURE
- ### UTILITY NOTES
- ALL FILL MATERIAL IS TO BE IN PLACE AND COMPACTED BEFORE INSTALLATION OF PROPOSED UTILITIES.
 - CONTRACTOR SHALL NOTIFY THE UTILITY AUTHORITIES INSPECTORS 72 HOURS BEFORE CONNECTING TO ANY EXISTING LINE.
 - SANITARY SEWER PIPE SHALL BE AS FOLLOWS:
PVC 8" BOP PER ASTM D 3034.
 - GRAVITY SEWER AT DEPTHS GREATER THAN 15 FEET, THE PIPE, JOINTS AND FITTINGS SHALL MEET THE SPECIFICATION FOR PRESSURE PIPE MAINS, SDR-21 AND PRESSURE RATING OF 200 PSI, PER ASTM D2241 WITH FITTING BEING THE SAME TYPE OF MATERIAL USED FOR THE PIPELINE.
 - WATER LINES SHALL BE AS FOLLOWS:
PVC C-900 PER ASTM D2241 CLASS 150, PER ASTM D1784 AND D2241.
 - MINIMUM TRENCH WIDTH SHALL BE 2 FEET.
 - ALL UTILITIES SHOULD BE KEPT TEN (10') APART (PARALLEL) OR WHEN CROSSING 18" VERTICAL CLEARANCE (OUTSIDE EDGE OF PIPE TO OUTSIDE EDGE OF PIPE).
 - CONTRACTOR SHALL MAINTAIN A MINIMUM OF 3'-0" AND A MAXIMUM OF 5'-0" COVER ON ALL WATERLINES.
 - UNDERGROUND LINES SHALL BE INSTALLED, INSPECTED AND APPROVED BEFORE BACKFILLING.
 - TOPS OF EXISTING MANHOLES SHALL BE RAISED AS NECESSARY TO BE FLUSH WITH PROPOSED PAVEMENT ELEVATIONS WITHIN PAVED AREAS, AND TO BE ABOVE FINISHED GROUND ELEVATIONS WITHIN LANDSCAPED AREAS.
 - ALL CONCRETE FOR ENCASUREMENTS SHALL HAVE A MINIMUM 28 DAY COMPRESSION STRENGTH AT 3000 P.S.I.
 - EXISTING UTILITIES SHALL BE VERIFIED IN FIELD PRIOR TO INSTALLATION OF ANY NEW LINES.
 - REFER TO INTERIOR PLUMBING DRAWINGS FOR TIE-IN OF ALL UTILITIES.
 - CONTRACTOR IS RESPONSIBLE FOR COMPLYING TO THE SPECIFICATIONS OF THE LOCAL AUTHORITIES PSLUSD WITH REGARD TO MATERIALS AND INSTALLATION OF THE WATER AND SEWER LINES.
 - THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
 - CONTRACTOR IS RESPONSIBLE FOR ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES AND/OR UTILITY SERVICE COMPANIES.
 - CONTRACTOR SHALL COORDINATE WITH ALL UTILITY COMPANIES FOR INSTALLATION REQUIREMENTS AND SPECIFICATIONS.
 - REFER TO BUILDING PLANS FOR SITE LIGHTING ELECTRICAL PLAN.
 - UNDERGROUND UTILITY LINES SHALL BE INSTALLED, INSPECTED AND APPROVED BEFORE BACKFILLING.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING EXISTING WATER MAINS, FORCE MAINS, SANITARY SEWER AND STORM MAINS AND MAINTAIN MINIMUM CLEARANCES BETWEEN WATER MAINS AND OTHER UTILITIES AT ALL POINTS ALONG THEIR LENGTH AS REQUIRED IN THE PLANS, DETAILS AND SPECIFICATIONS.
 - ALL DUPLEX RESIDENTIAL BUILDINGS TO RECEIVE FIRE SPRINKLERS PER NFPA 13D. SPRINKLER SYSTEMS TO BE INSTALLED BY LICENSED FIRE SPRINKLER CONTRACTOR.
 - PER THE SURVEY PROVIDED BY CAULFIELD & WHEELER, INC. DATED 5/10/2021 THE BENCHMARK ORIGIN IS THE NATIONAL GEODETIC SURVEY BENCHMARK 195 85 A17, ELEVATION = 30.50 NAVD88.

CROSSING TABLE

| PLAN ID | SIZE (IN.) | TYPE | FLUID | MANUFACTURER | MODEL | DATE | # TURNS | PSLUSD # |
|---------|------------|------|-------|--------------|-------|------|---------|----------|
| FMV-1 | 6 | G.V. | S.S. | | | | | |
| FMV-2 | 6 | G.V. | S.S. | | | | | |



Plotted By: Anderson, Sarah. Sheet: 14784-2000 - The Shoppes at the Heart of Tradition. Layout: C-401. SANITARY SEWER UTILITY PLAN - 14784-2000. May 16, 2023. 03:50:55pm. k:\VRB\LOE\14784-2000 - banyan psd\CAD\plansheets\C-401. UTILITY PLAN - 14784-2000.dwg. This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Kimley-Horn
 © 2023 KIMLEY-HORN AND ASSOCIATES, INC.
 445 24TH STREET, SUITE 200, VERO BEACH, FL 32960
 PHONE: 772-794-4100
 WWW.KIMLEY-HORN.COM
 REGISTRY NO. 35106

CHRISTOPHER J. HOLLEN
 LICENSE
 No. 74685
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER

KHA PROJECT: 14784-2000
 DATE: 8/18/2021
 SCALE: AS SHOWN
 DESIGNED BY: DFD
 DRAWN BY: DFD
 CHECKED BY: CJH

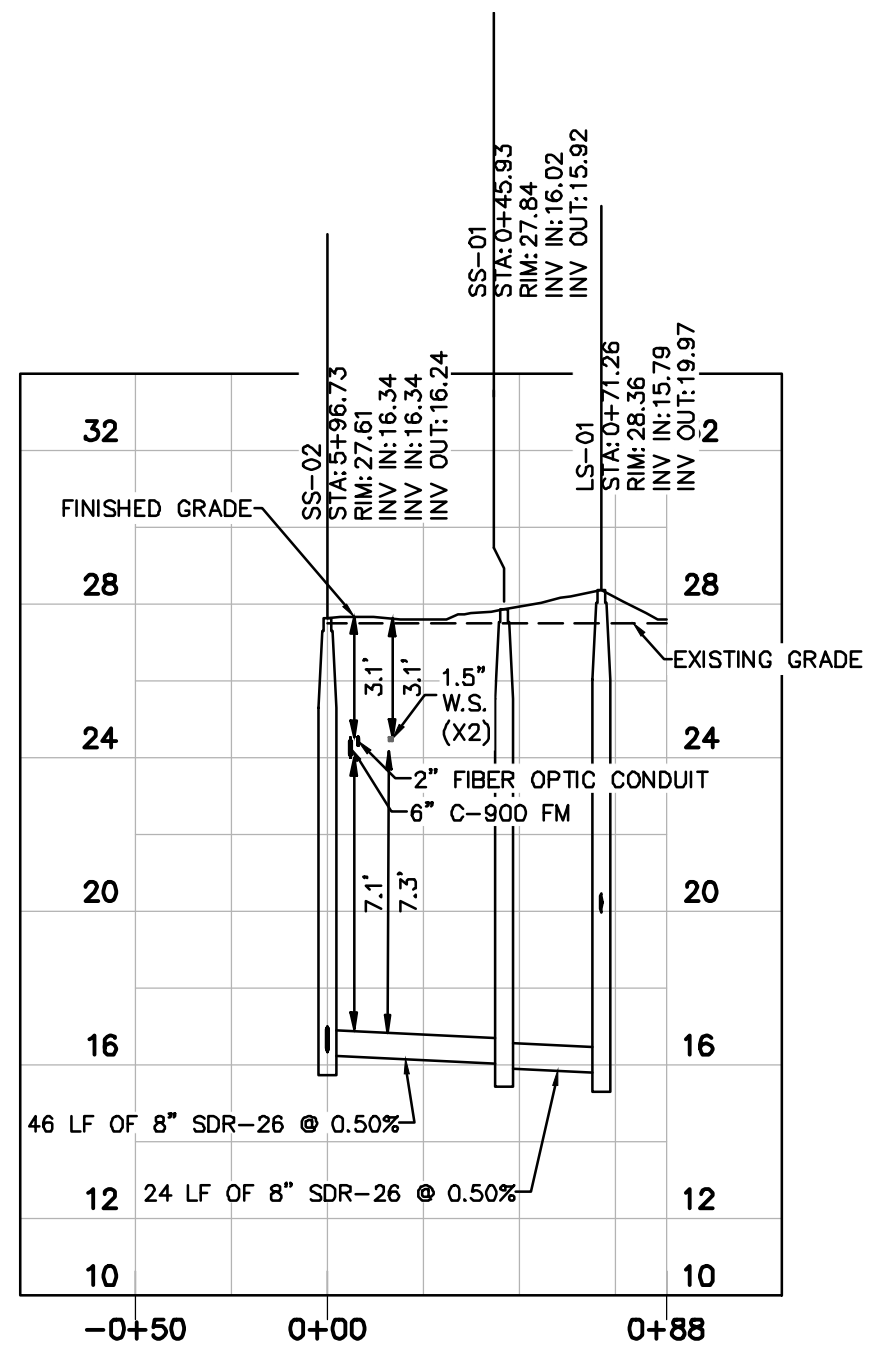
SANITARY SEWER UTILITY PLAN

THE SHOPPES AT THE HEART OF TRADITION FOR BANYAN DEVELOPMENT
 SAINT LUCIE COUNTY FLORIDA

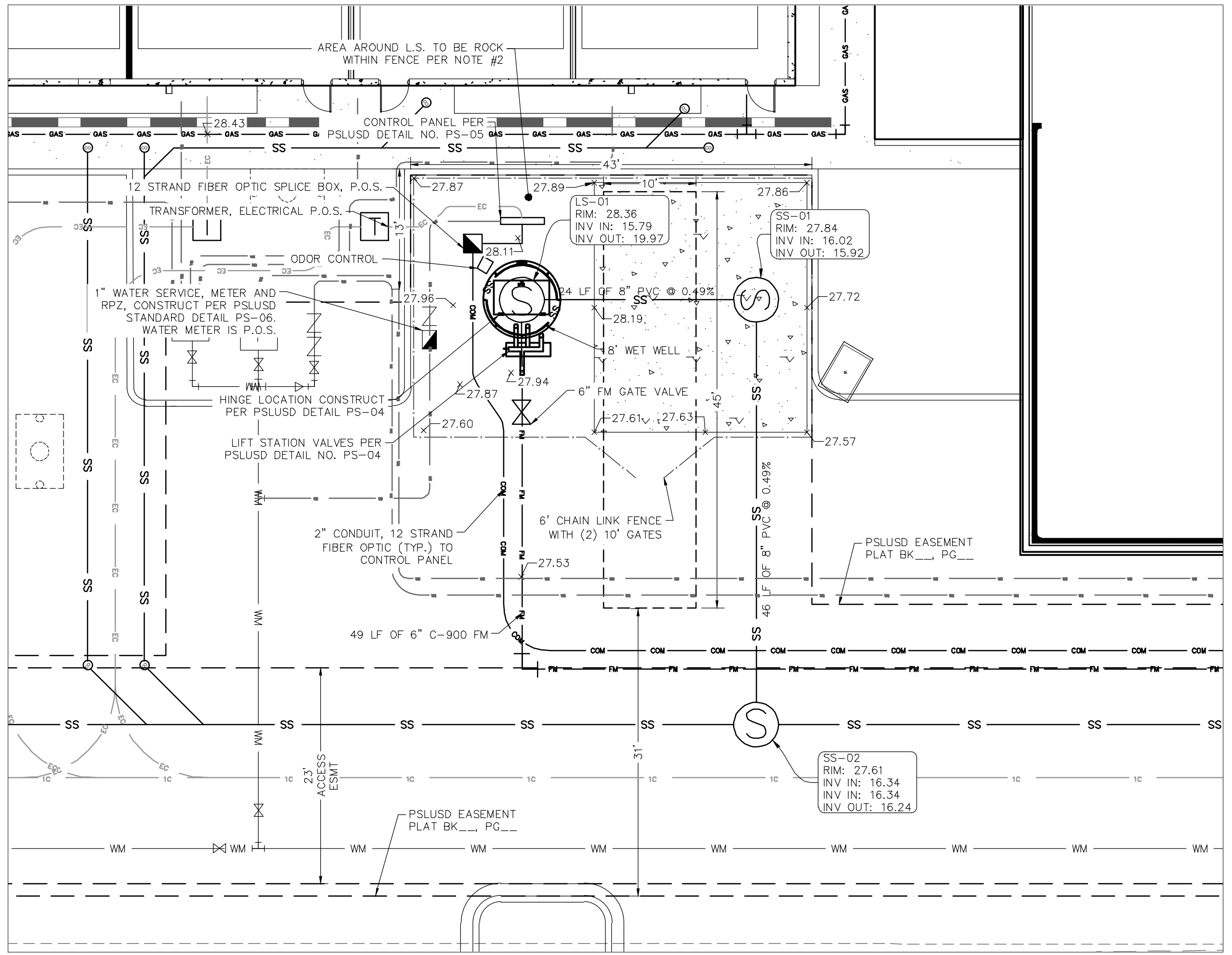
SHEET NUMBER: C-401

Plotted By: Anderson, Sarah Sheet: 147842000 - The Shoppes at the Heart of Tradition - Layout: C-402 LIFT STATION PLAN - May 16, 2023 03:31:46pm K:\WEB_LDEV\147842000 - banyan ps\CAD\plansheets\C-402 LIFT STATION PLAN - 147842000.dwg
 This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

RECEIVED
 By Mdc11 at 10:55 am, May 18, 2023



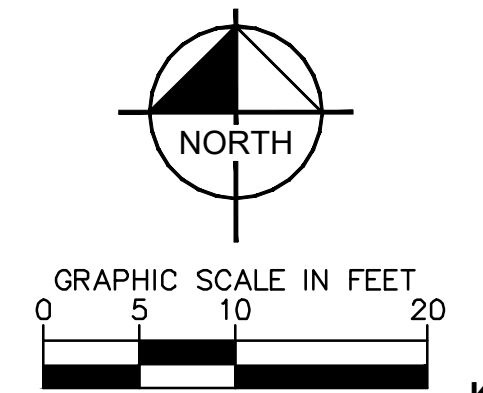
LIFT STATION PROFILE
 H. SCALE: 50
 V. SCALE: 5



LIFT STATION ENLARGEMENT
 1" = 10'

LIFT STATION NOTES

1. ACCESS DRIVE - 6" THICK, 12' WIDE CONCRETE 4000 PSI W/ FIBER MESH AND COMPACTED SUBGRADE TO 98% DENSITY EXTENDED 6" BEYOND ALL EDGES.
2. ALL AREAS INSIDE FENCE THAT ARE NOT COVERED BY CONCRETE, STRUCTURES AND EQUIPMENT SHALL HAVE #57 STONE. THE STONE SHALL BE PLACED OVER 2-PLY 4 MIL. VISQUEEN, A MINIMUM OF 6" BUT NO MORE THAN 8" DEEP.
3. LIFT STATION HORIZONTAL LAYOUT SHALL MEET ALL MINIMUM REQUIREMENTS OF THE CITY OF PORT ST. LUCIE LIFT STATION DETAIL PS-14.

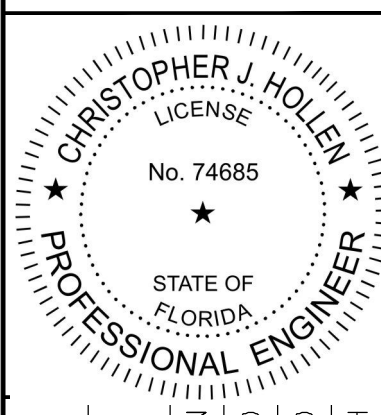


THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTORS BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE.
 VERTICAL DATUM
 ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). SUBTRACT 1.57 FROM NAVD 29 ELEVATION TO GET THE NAVD 88 ELEVATION.

CITY OF PORT ST. LUCIE PROJECT # P21-239
 PSLUSD PROJECT # 5211E

| No. | REVISIONS | DATE | BY |
|-----|-----------|------|----|
| | | | |
| | | | |
| | | | |
| | | | |

Kimley»Horn
 © 2023 KIMLEY-HORN AND ASSOCIATES, INC.
 445 24TH STREET, SUITE 200, VERO BEACH, FL 32960
 PHONE: 772-794-4100
 WWW.KIMLEY-HORN.COM REGISTRY NO. 35106



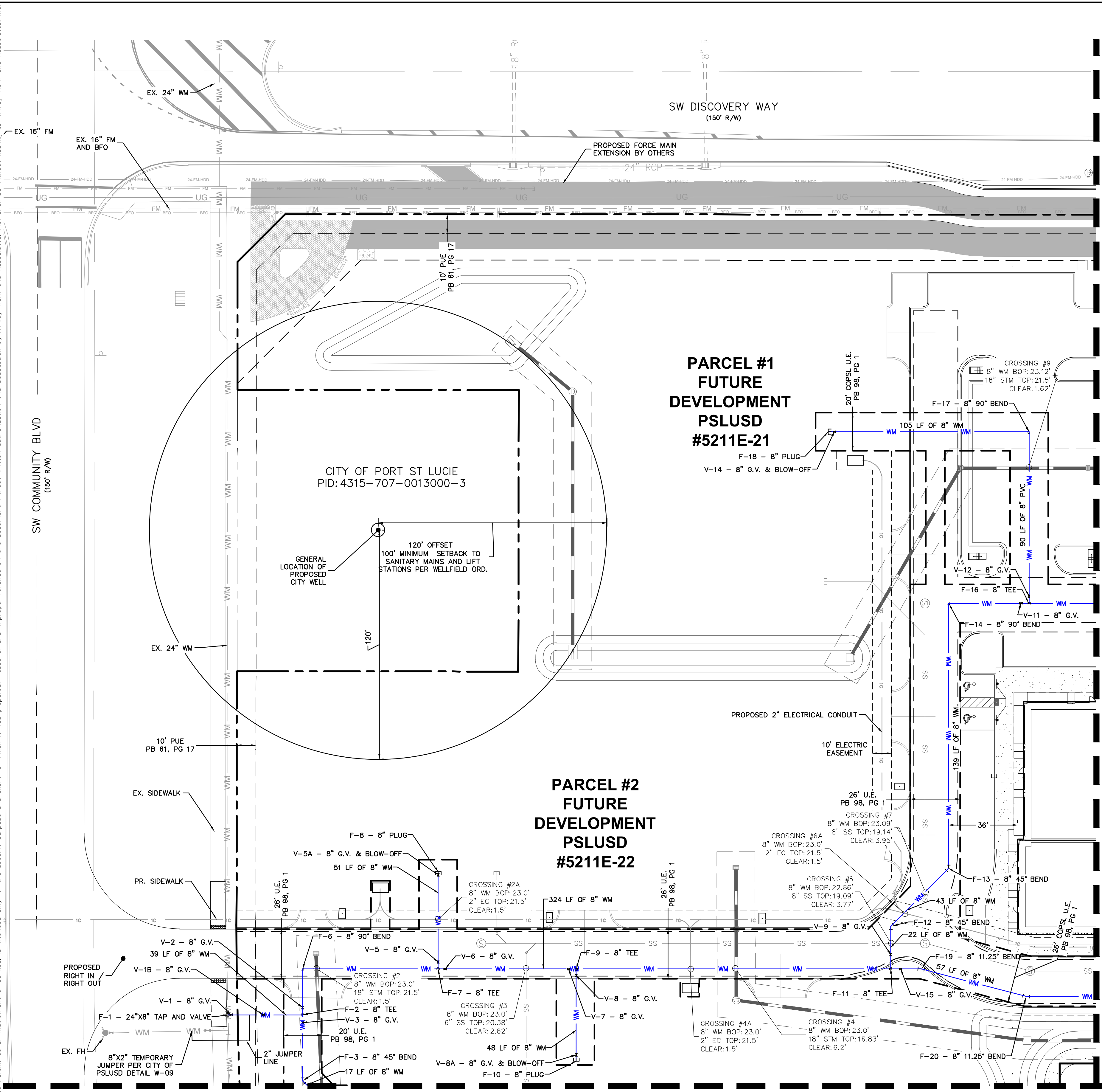
| | |
|-------------|-----------|
| KHA PROJECT | 147842000 |
| DATE | 8/18/2021 |
| SCALE | AS SHOWN |
| DESIGNED BY | DFD |
| DRAWN BY | DFD |
| CHECKED BY | CJH |

LIFT STATION PLAN

THE SHOPPES AT THE HEART OF TRADITION FOR BANYAN DEVELOPMENT
 SAINT LUCIE COUNTY FLORIDA

SHEET NUMBER
C-402

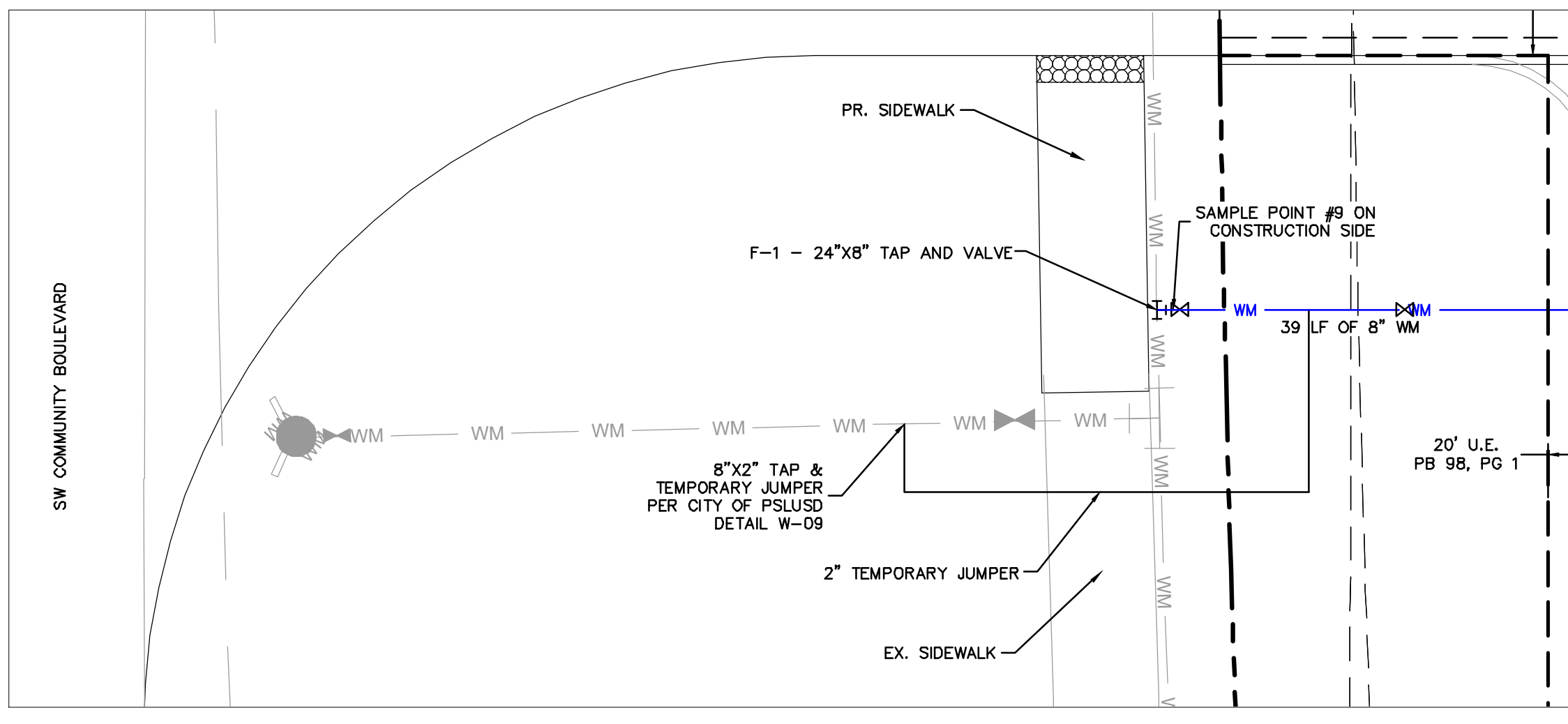
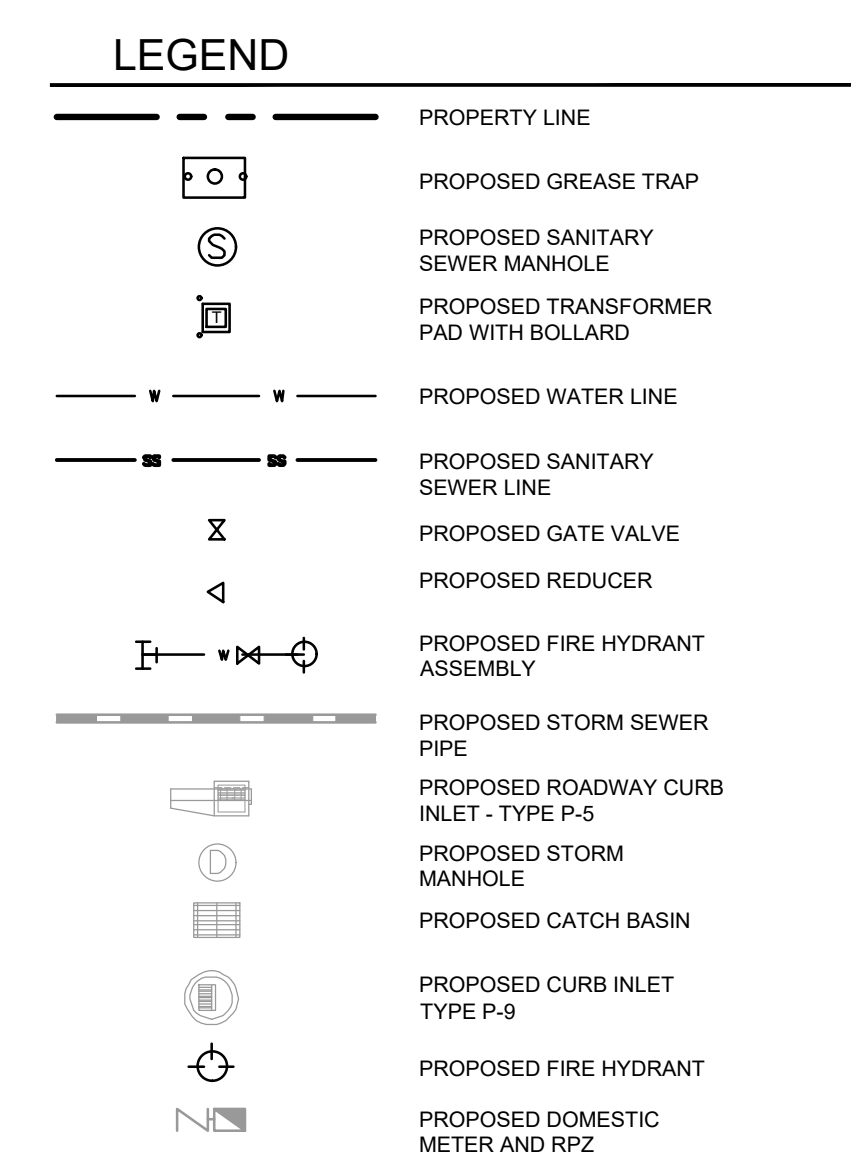
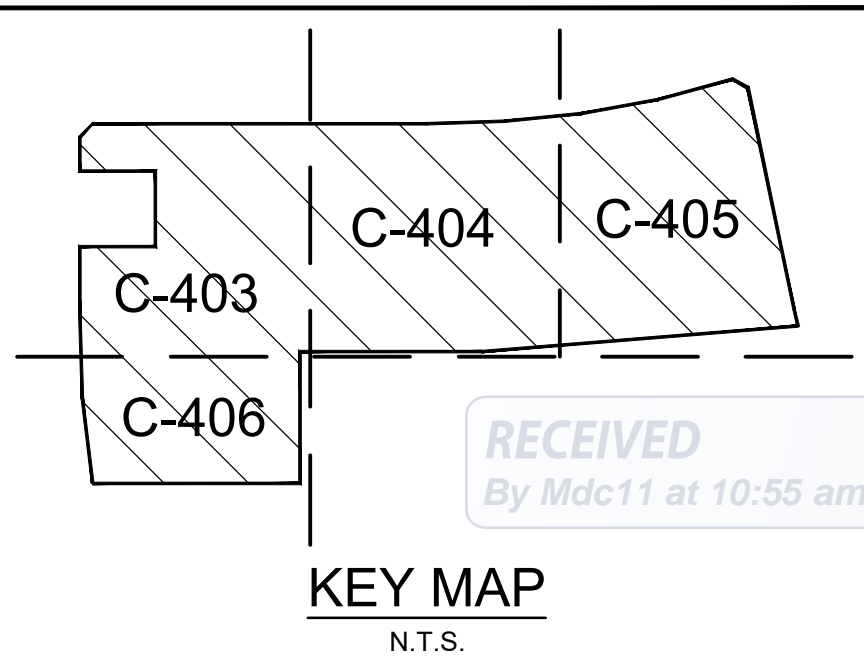
Plotted By: Anderson, Sarah. Sheet: 147842000 - The Shoppes at the Heart of Tradition. Layout: C-403 WATER UTILITY PLAN ENLARGEMENT - 147842000. Max: 17. 2023. 08:08:49am. K:\V\B-L\DEVA\147842000 - Banyan.psd\CAD\Drawings\C-401 UTILITY PLAN - 147842000.dwg
 This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



| PLAN ID | SIZE (IN.) | TYPE | FLUID | MANUFACTURER | MODEL | DATE | # TURNS | PSLUSD # |
|---------|------------|------|-------|--------------|-------|------|---------|----------|
| V-1 | 8 | G.V. | WATER | | | | | |
| V-1B | 8 | G.V. | WATER | | | | | |
| V-2 | 8 | G.V. | WATER | | | | | |
| V-3 | 8 | G.V. | WATER | | | | | |
| V-5 | 8 | G.V. | WATER | | | | | |
| V-5A | 8 | G.V. | WATER | | | | | |
| V-6 | 8 | G.V. | WATER | | | | | |
| V-7 | 8 | G.V. | WATER | | | | | |
| V-8 | 8 | G.V. | WATER | | | | | |
| V-8A | 8 | G.V. | WATER | | | | | |
| V-9 | 8 | G.V. | WATER | | | | | |
| V-11 | 8 | G.V. | WATER | | | | | |
| V-12 | 8 | G.V. | WATER | | | | | |
| V-14 | 8 | G.V. | WATER | | | | | |
| V-15 | 8 | G.V. | WATER | | | | | |

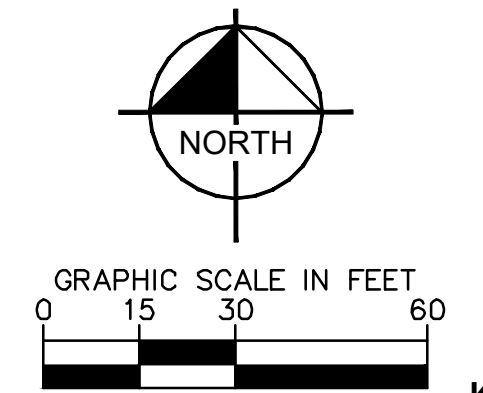
UTILITY NOTES

- ALL FILL MATERIAL IS TO BE IN PLACE AND COMPACTED BEFORE INSTALLATION OF PROPOSED UTILITIES.
- CONTRACTOR SHALL NOTIFY THE UTILITY AUTHORITIES INSPECTORS 72 HOURS BEFORE CONNECTING TO ANY EXISTING LINE.
- SANITARY SEWER PIPE SHALL BE AS FOLLOWS:
PVC SDR26 PER ASTM D 3034
- WATER LINES SHALL BE AS FOLLOWS:
PVC C-900 PER ASTM DD2241 CLASS 150, PER ASTM D1784 AND D2241.
- MINIMUM TRENCH WIDTH SHALL BE 2 FEET.
- ALL UTILITIES SHOULD BE KEPT TEN (10') APART (PARALLEL) OR WHEN CROSSING 18" VERTICAL CLEARANCE (OUTSIDE EDGE OF PIPE TO OUTSIDE EDGE OF PIPE).
- CONTRACTOR SHALL MAINTAIN A MINIMUM OF 3'-0" AND A MAXIMUM OF 5'-0" COVER ON ALL WATER LINES.
- UNDERGROUND LINES SHALL BE INSTALLED, INSPECTED AND APPROVED BEFORE BACKFILLING.
- TOPS OF EXISTING MANHOLES SHALL BE RAISED AS NECESSARY TO BE FLUSH WITH PROPOSED PAVEMENT ELEVATIONS WITHIN PAVED AREAS, AND TO BE ABOVE FINISHED GROUND ELEVATIONS WITH WATER TIGHT LIDS WITHIN LANDSCAPED AREAS.
- ALL CONCRETE FOR ENCASUREMENTS SHALL HAVE A MINIMUM 28 DAY COMPRESSION STRENGTH AT 3000 P.S.I.
- EXISTING UTILITIES SHALL BE VERIFIED IN FIELD PRIOR TO INSTALLATION OF ANY NEW LINES.
- REFER TO INTERIOR PLUMBING DRAWINGS FOR TIE-IN OF ALL UTILITIES.
- CONTRACTOR IS RESPONSIBLE FOR COMPLYING TO THE SPECIFICATIONS OF THE LOCAL AUTHORITIES PSLUSD WITH REGARDS TO MATERIALS AND INSTALLATION OF THE WATER AND SEWER LINES.
- THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
- CONTRACTOR IS RESPONSIBLE FOR ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES AND/OR UTILITY SERVICE COMPANIES.
- CONTRACTOR SHALL COORDINATE WITH ALL UTILITY COMPANIES FOR INSTALLATION REQUIREMENTS AND SPECIFICATIONS.
- REFER TO BUILDING PLANS FOR SITE LIGHTING ELECTRICAL PLAN.
- UNDERGROUND UTILITY LINES SHALL BE INSTALLED, INSPECTED AND APPROVED BEFORE BACKFILLING.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING EXISTING WATER MAINS, FORCE MAINS, SANITARY SEWER AND STORM MAINS AND MAINTAIN MINIMUM CLEARANCES BETWEEN WATER MAINS AND OTHER UTILITIES AT ALL POINTS ALONG THEIR LENGTH AS REQUIRED IN THE PLANS' DETAILS AND SPECIFICATIONS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE DISTRICT ON INSTALLATION OF THE LIFT STATION'S REQUIRED REMOTE TELEMETRY SYSTEM.



COMMUNITY BOULEVARD WATER MAIN CONNECTION DETAIL

| Crossing Number | Crossings | Clearance |
|-----------------|---|-----------|
| #2 | 8" WM BOP: 23.0' 18" STM TOP: 21.5' | 1.5' |
| #2A | 8" WM BOP: 23.0' 2" EC TOP: 21.5' | 1.5' |
| #3 | 8" WM BOP: 23.0' 6" SS TOP: 20.38' | 2.62' |
| #4 | 8" WM BOP: 23.0' 18" STM TOP: 16.83' | 6.2' |
| #4A | 8" WM BOP: 23.0' 2" EC TOP: 21.5' | 1.5' |
| #6 | 8" WM BOP: 22.86' 8" SS TOP: 19.09' | 3.77' |
| #6A | 8" WM BOP: 23.0' 2" EC TOP: 21.5' | 1.5' |
| #7 | 8" WM BOP: 23.09' 8" SS TOP: 19.14' | 3.95' |
| #9 | 8" WM BOP: 23.12' 18" STM TOP: 21.5' | 1.62' |



THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTORS SHOULD INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE.

VERTICAL DATUM
ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). SUBTRACT 1.55' FROM NAVD 29 ELEVATION TO GET THE NAVD 88 ELEVATION.

CITY OF PORT ST. LUCIE PROJECT # P21-239
PSLUSD PROJECT # 5211E

THE SHoppes AT THE HEART OF TRADITION
FOR BANYAN DEVELOPMENT

SAINT LUCIE COUNTY FLORIDA

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

147842000
DATE: 8/18/2021
SCALE: AS SHOWN
DESIGNED BY: DFD
DRAWN BY: DFD
CHECKED BY: C/JH

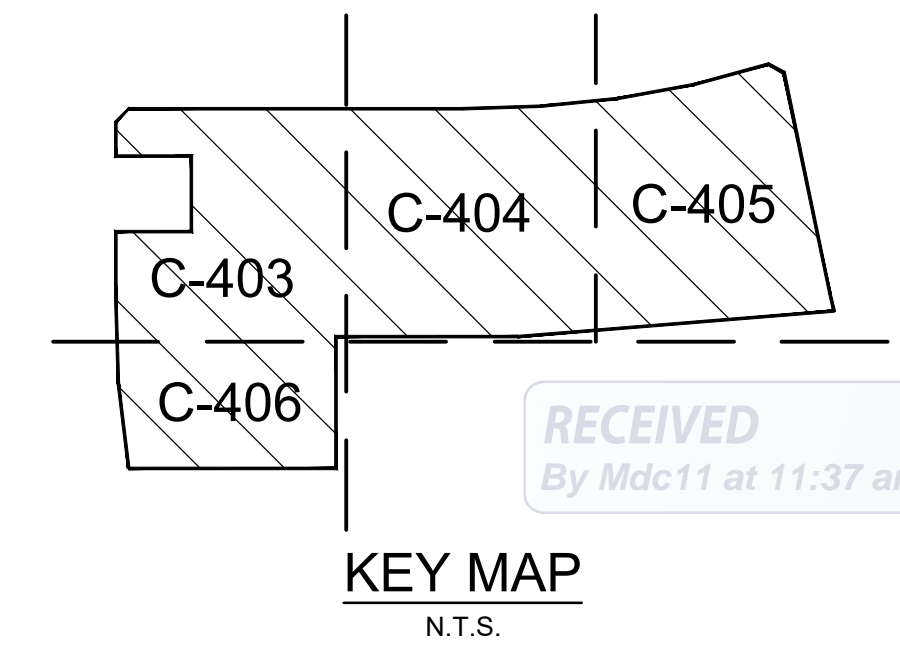
Plotted By: Anderson, Sarah - Sheet Set: 147842000 - The Shoppes at the Heart of Tradition - Layout: C-406 WATER UTILITY PLAN ENLARGEMENT - 147842000 - Max: 17, 2023 08:06:53am - K:\V\B-LDEVA\147842000 - honyon_psl\CAD\plansheets\C-401 UTILITY PLAN - 147842000.dwg
 This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

VALVE TABLE

| PLAN ID | SIZE (IN.) | TYPE | FLUID | MANUFACTURER | MODEL | DATE | # TURNS | PSLUSD # |
|---------|------------|------|-------|--------------|-------|------|---------|----------|
| V-4 | 8 | G.V. | WATER | | | | | |

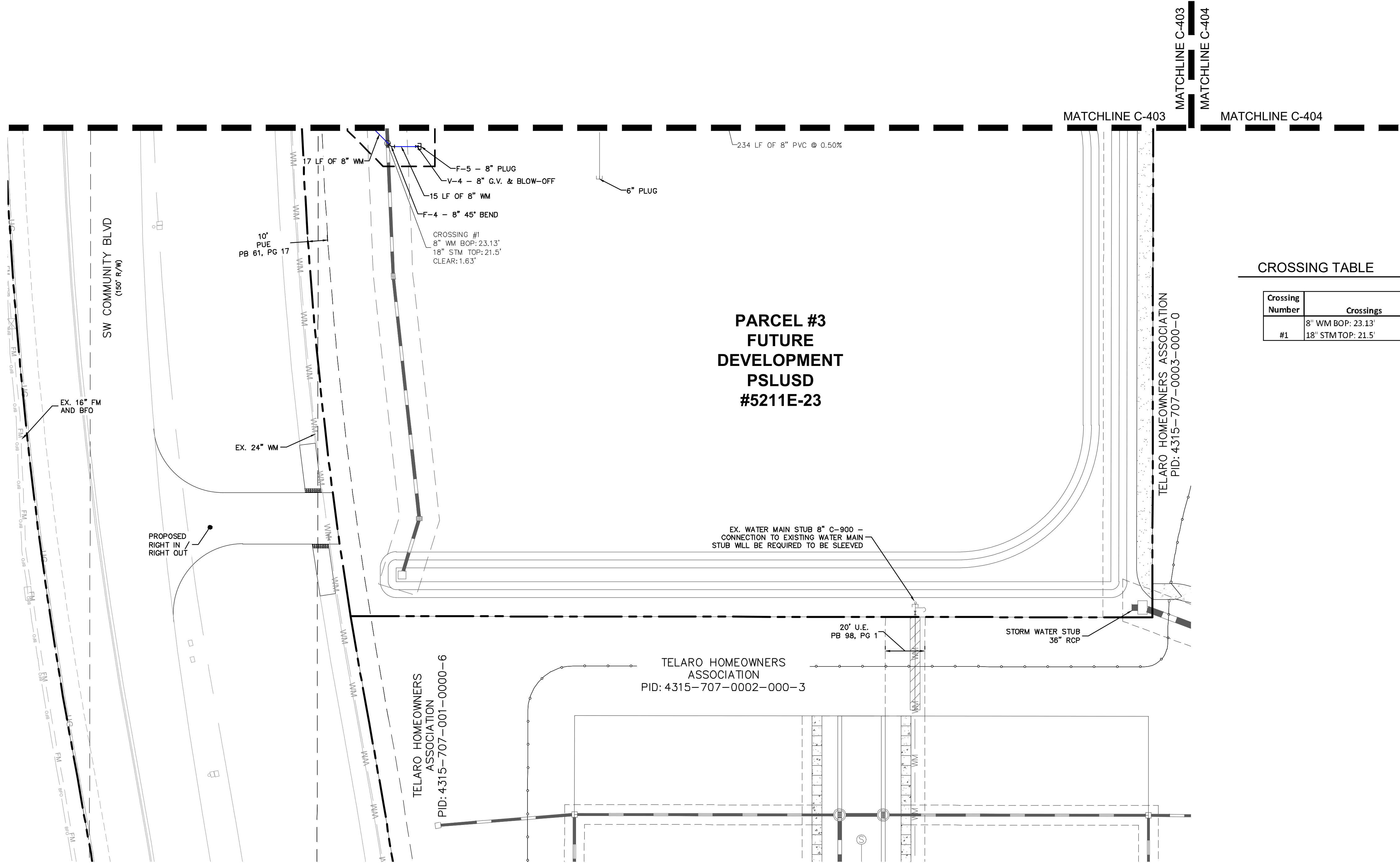
UTILITY NOTES

- ALL FILL MATERIAL IS TO BE IN PLACE AND COMPACTED BEFORE INSTALLATION OF PROPOSED UTILITIES.
- CONTRACTOR SHALL NOTIFY THE UTILITY AUTHORITIES INSPECTORS 72 HOURS BEFORE CONNECTING TO ANY EXISTING LINE.
- SANITARY SEWER PIPE SHALL BE AS FOLLOWS:
PVC SDR26 PER ASTM D 3034
- WATER LINES SHALL BE AS FOLLOWS:
PVC C-900 PER ASTM DD2241 CLASS 150, PER ASTM D1784 AND D2241.
- MINIMUM TRENCH WIDTH SHALL BE 2 FEET.
- ALL UTILITIES SHOULD BE KEPT TEN (10') APART (PARALLEL) OR WHEN CROSSING 18" VERTICAL CLEARANCE (OUTSIDE EDGE OF PIPE TO OUTSIDE EDGE OF PIPE).
- CONTRACTOR SHALL MAINTAIN A MINIMUM OF 3'-0" AND A MAXIMUM OF 5'-0" COVER ON ALL WATERLINES.
- UNDERGROUND LINES SHALL BE INSTALLED, INSPECTED AND APPROVED BEFORE BACKFILLING.
- TOPS OF EXISTING MANHOLES SHALL BE RAISED AS NECESSARY TO BE FLUSH WITH PROPOSED PAVEMENT ELEVATIONS WITHIN PAVED AREAS, AND TO BE ABOVE FINISHED GROUND ELEVATIONS WITH WATER TIGHT LIDS WITHIN LANDSCAPED AREAS.
- ALL CONCRETE FOR ENCASEMENTS SHALL HAVE A MINIMUM 28 DAY COMPRESSION STRENGTH AT 3000 P.S.I.
- EXISTING UTILITIES SHALL BE VERIFIED IN FIELD PRIOR TO INSTALLATION OF ANY NEW LINES.
- REFER TO INTERIOR PLUMBING DRAWINGS FOR TIE-IN OF ALL UTILITIES.
- CONTRACTOR IS RESPONSIBLE FOR COMPLYING TO THE SPECIFICATIONS OF THE LOCAL AUTHORITIES PSLUSD WITH REGARDS TO MATERIALS AND INSTALLATION OF THE WATER AND SEWER LINES.
- THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
- CONTRACTOR IS RESPONSIBLE FOR ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES AND/OR UTILITY SERVICE COMPANIES.
- CONTRACTOR SHALL COORDINATE WITH ALL UTILITY COMPANIES FOR INSTALLATION REQUIREMENTS AND SPECIFICATIONS.
- REFER TO BUILDING PLANS FOR SITE LIGHTING ELECTRICAL PLAN.
- UNDERGROUND UTILITY LINES SHALL BE INSTALLED, INSPECTED AND APPROVED BEFORE BACKFILLING.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING EXISTING WATER MAINS, FORCE MAINS, SANITARY SEWER AND STORM MAINS AND MAINTAIN MINIMUM CLEARANCES BETWEEN WATER MAINS AND OTHER UTILITIES AT ALL POINTS ALONG THEIR LENGTH AS REQUIRED IN THE PLANS, DETAILS AND SPECIFICATIONS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE DISTRICT ON INSTALLATION OF THE LIFT STATION'S REQUIRED REMOTE TELEMETRY SYSTEM.



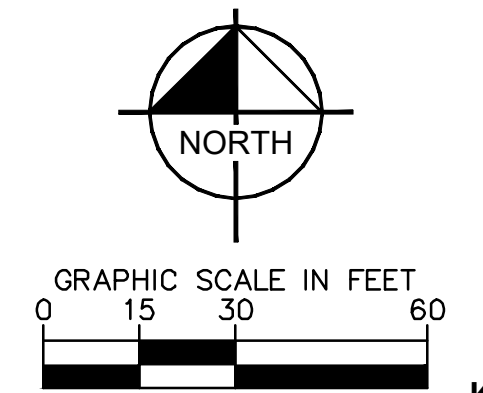
LEGEND

| | |
|--|--|
| | PROPERTY LINE |
| | PROPOSED GREASE TRAP |
| | PROPOSED SANITARY SEWER MANHOLE |
| | PROPOSED TRANSFORMER PAD WITH BOLLARD |
| | PROPOSED WATER LINE |
| | PROPOSED SANITARY SEWER LINE |
| | PROPOSED GATE VALVE |
| | PROPOSED REDUCER |
| | PROPOSED FIRE HYDRANT ASSEMBLY |
| | PROPOSED STORM SEWER PIPE |
| | PROPOSED ROADWAY CURB INLET - TYPE P-5 |
| | PROPOSED STORM MANHOLE |
| | PROPOSED CATCH BASIN |
| | PROPOSED CURB INLET TYPE P-9 |
| | PROPOSED SPOT GRADE |
| | EXISTING CONTOUR |
| | PROPOSED CONTOUR |
| | PROPOSED STORM STRUCTURE |



CROSSING TABLE

| Crossing Number | Crossings | Clearance |
|-----------------|--|-----------|
| #1 | 8" WM BOP: 23.13' 18" STMTOP: 21.5' | 1.63' |



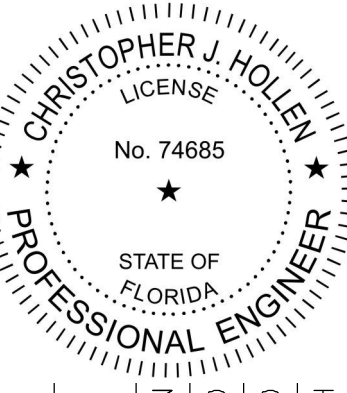
THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTORS SHOULD INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE.

VERTICAL DATUM
ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). SUBTRACT 1.57' FROM NAVD 29 ELEVATION TO GET THE NAVD 88 ELEVATION.

CITY OF PORT ST. LUCIE PROJECT #
P21-239
PSLUSD PROJECT #
5211E

| No. | REVISIONS | DATE | BY |
|-----|-----------|------|----|
| | | | |

Kimley»Horn
 © 2023 KIMLEY-HORN AND ASSOCIATES, INC.
 445 24TH STREET, SUITE 200, VERO BEACH, FL 32960
 PHONE: 772-794-4100
 WWW.KIMLEY-HORN.COM REGISTRY NO. 35106



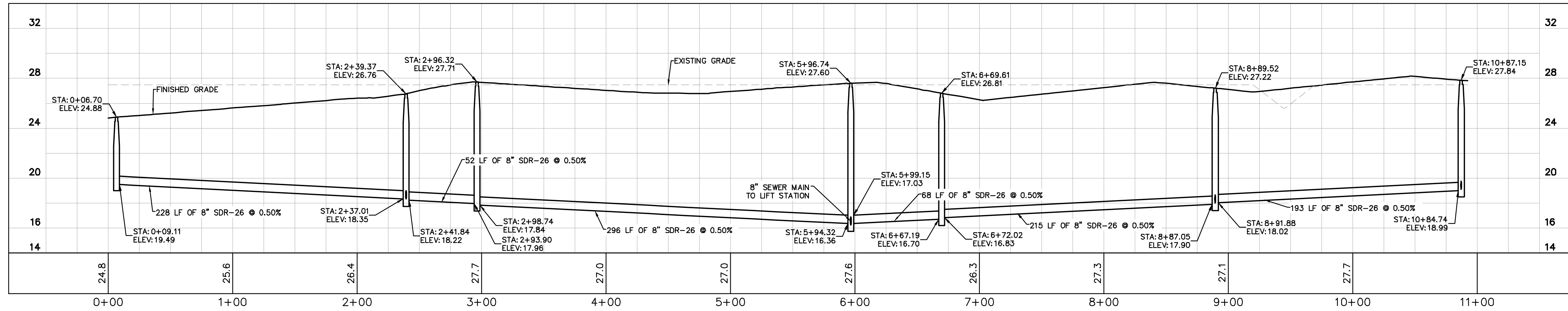
| | |
|-------------|-----------|
| KHA PROJECT | 147842000 |
| DATE | 8/18/2021 |
| SCALE | AS SHOWN |
| DESIGNED BY | DFD |
| DRAWN BY | DFD |
| CHECKED BY | CJH |

WATER UTILITY PLAN ENLARGEMENT

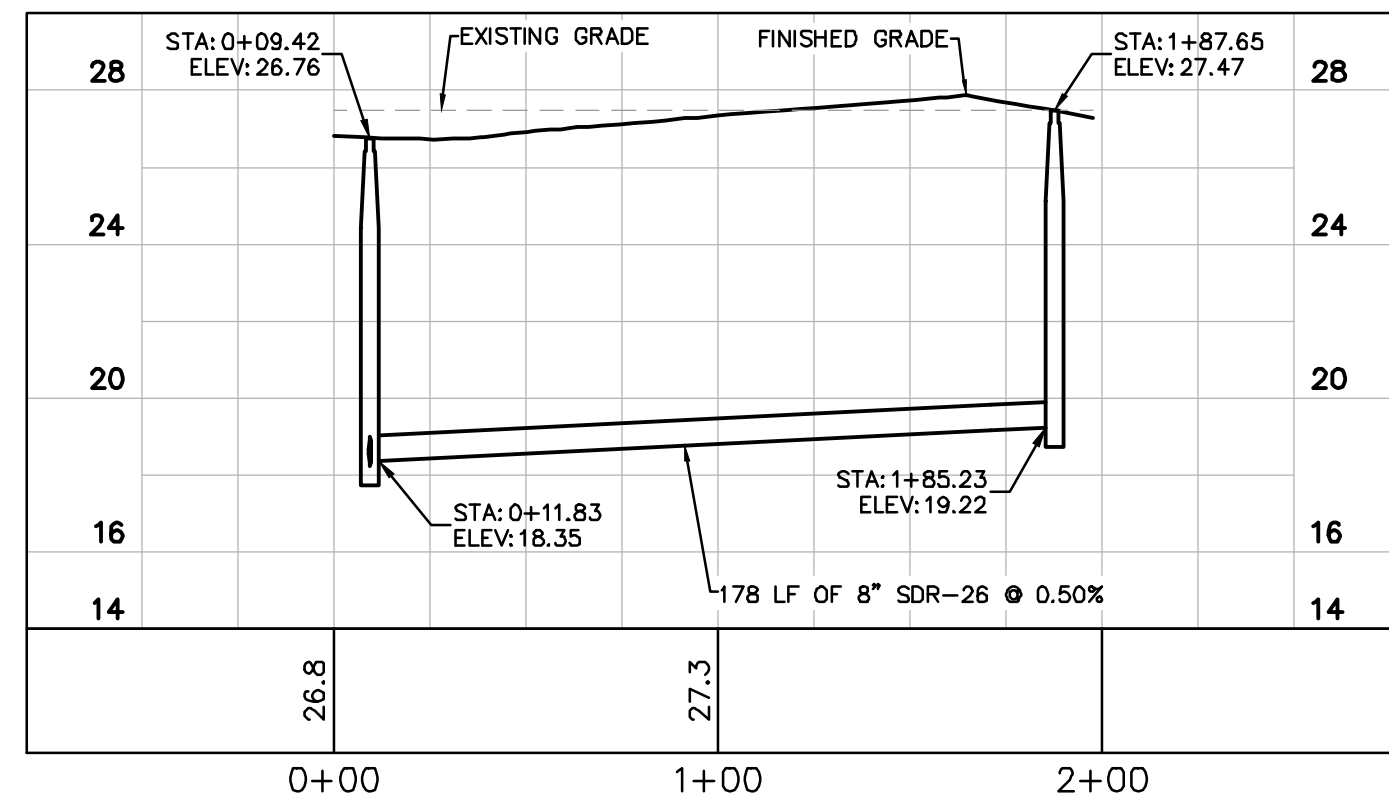
THE SHOPPES AT THE HEART OF TRADITION FOR BANYAN DEVELOPMENT
 SAINT LUCIE COUNTY FLORIDA

SHEET NUMBER
C-406

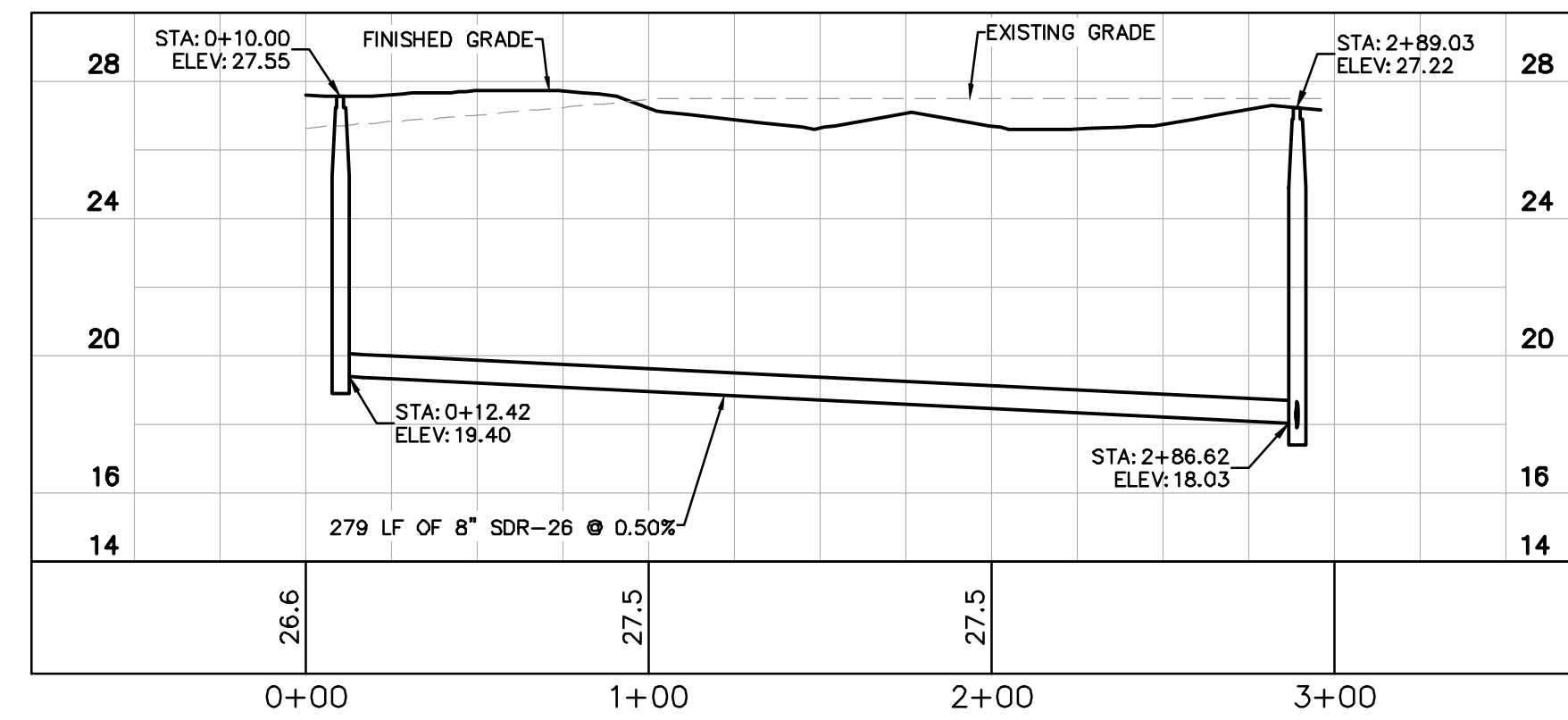
Plotted By: Anderson, Sarah - Sheet: 147842000 - The Shoppes at the Heart of Tradition - Layout: C-407 - SANITARY PROFILES - December 01, 2022 11:03:59am - K:\VRB-LEVA\147842000 - banyan.psd\CAD\plan sheets\C-405 UTILITY TABLES.dwg
 This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



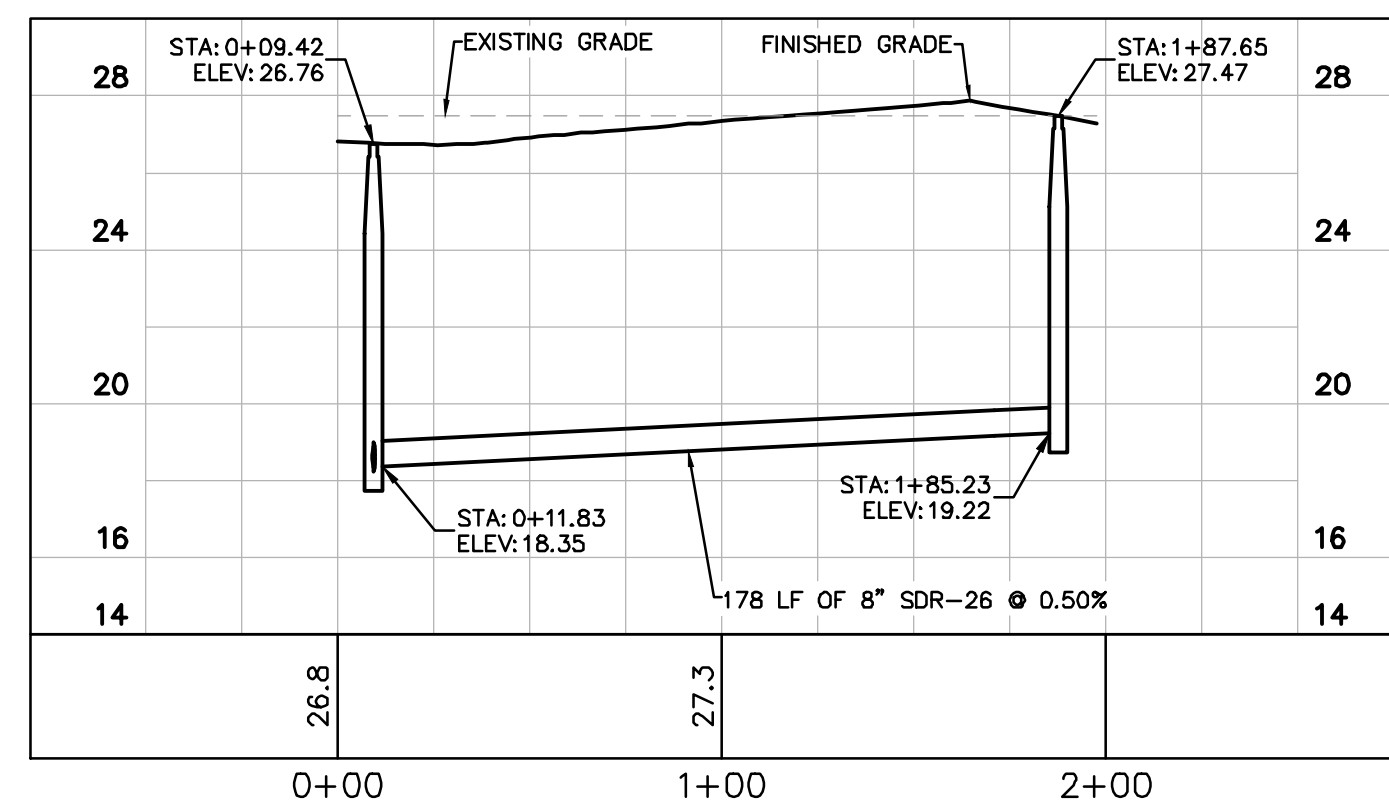
SANITARY SEWER PROFILE – SECTION A1
 H. SCALE: 50
 V. SCALE: 5



SANITARY SEWER PROFILE – SECTION A2
 H. SCALE: 50
 V. SCALE: 5



SANITARY SEWER PROFILE – SECTION A3
 H. SCALE: 50
 V. SCALE: 5



SANITARY SEWER PROFILE – SECTION A4
 H. SCALE: 50
 V. SCALE: 5

MASON
 Development &
 Construction
 Bid Set

Kimley»Horn
 © 2022 KIMLEY-HORN AND ASSOCIATES, INC.
 445 24TH STREET, SUITE 200, VERO BEACH, FL 32960
 PHONE: 772-794-4100
 WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

LICENSED PROFESSIONAL
 CHRISTOPHER J. HOLLEN, P.E.
 FLORIDA LICENSE NUMBER
 74685
 KHA PROJECT
 147842000
 DATE
 8/18/2021
 SCALE AS SHOWN
 DESIGNED BY DFD
 DRAWN BY DFD
 CHECKED BY C/JH DATE:

SANITARY PROFILES

THE SHOPPES AT THE
 HEART OF TRADITION
 FOR
 BANYAN DEVELOPMENT
 SAINT LUCIE COUNTY FLORIDA



Know what's below.
 Call before you dig.

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT.
 CONTRACTORS SHOULD INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE.
 VERTICAL DATUM
 ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF
 1988 (NAVD 88). SUBTRACT 1.57 FROM NAVD 29 ELEVATION TO GET THE NAVD 88 ELEVATION.

CITY OF PORT ST. LUCIE PROJECT #
 P21-239
 PLSUSD PROJECT #
 5211E

SHEET NUMBER
C-407

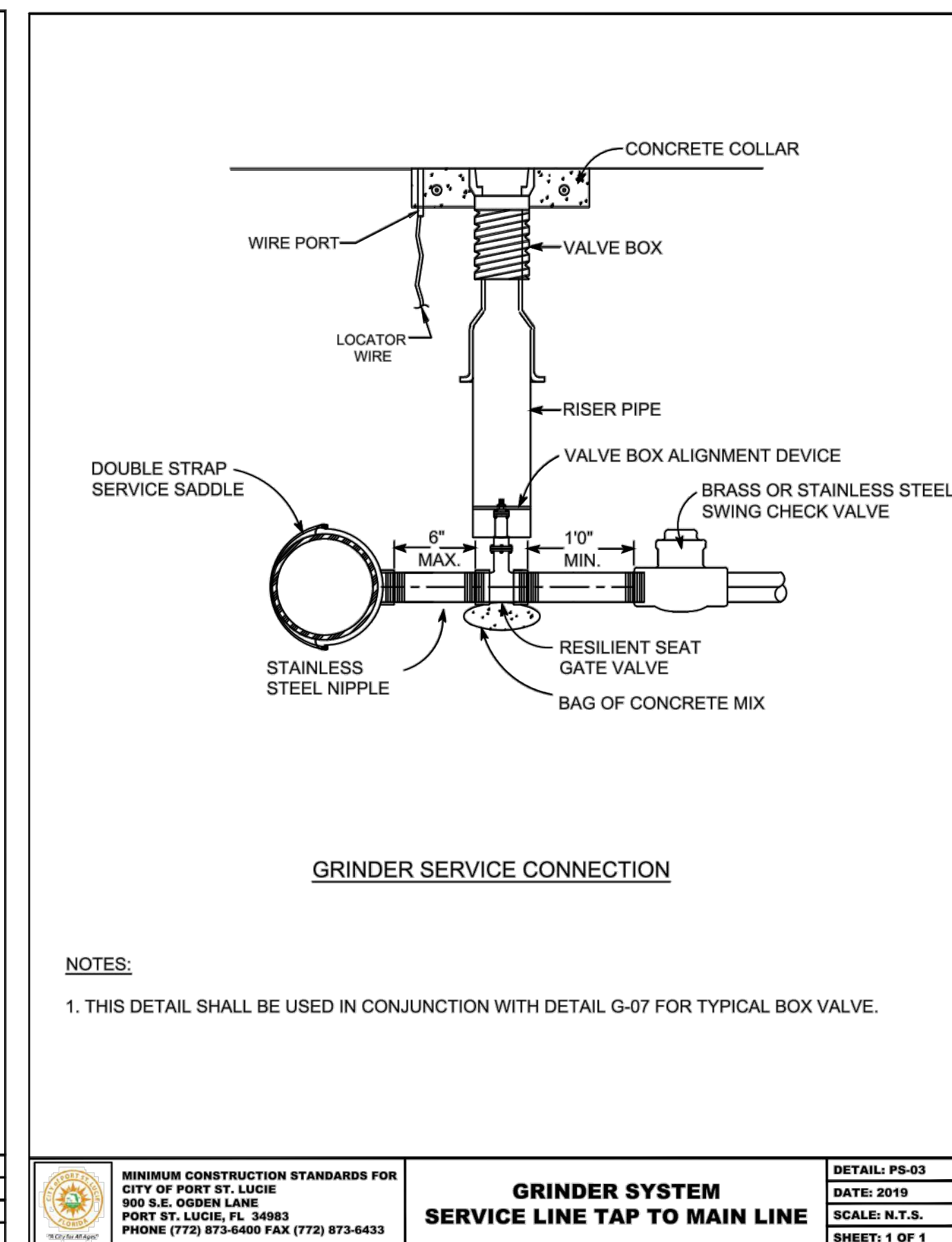
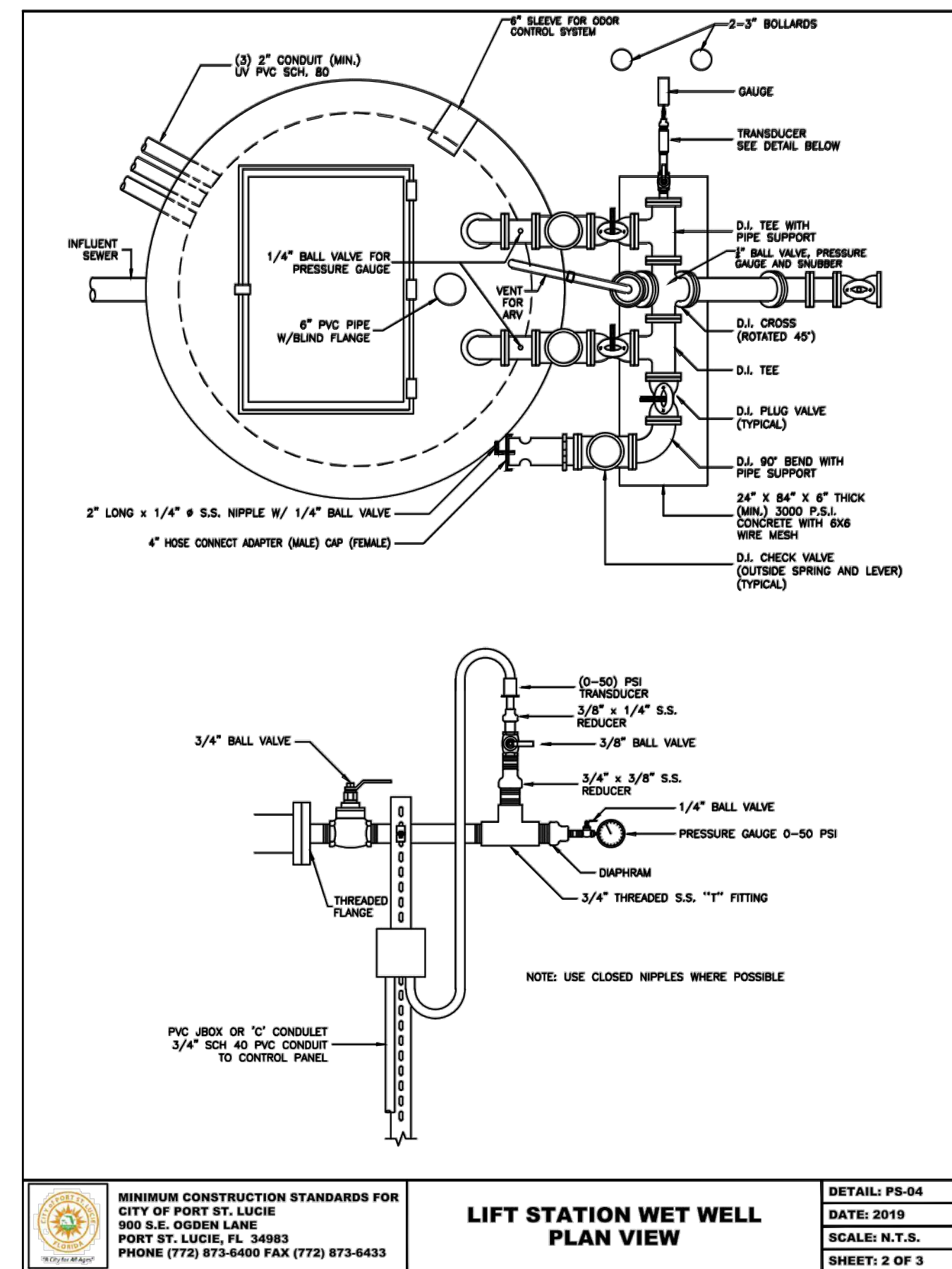
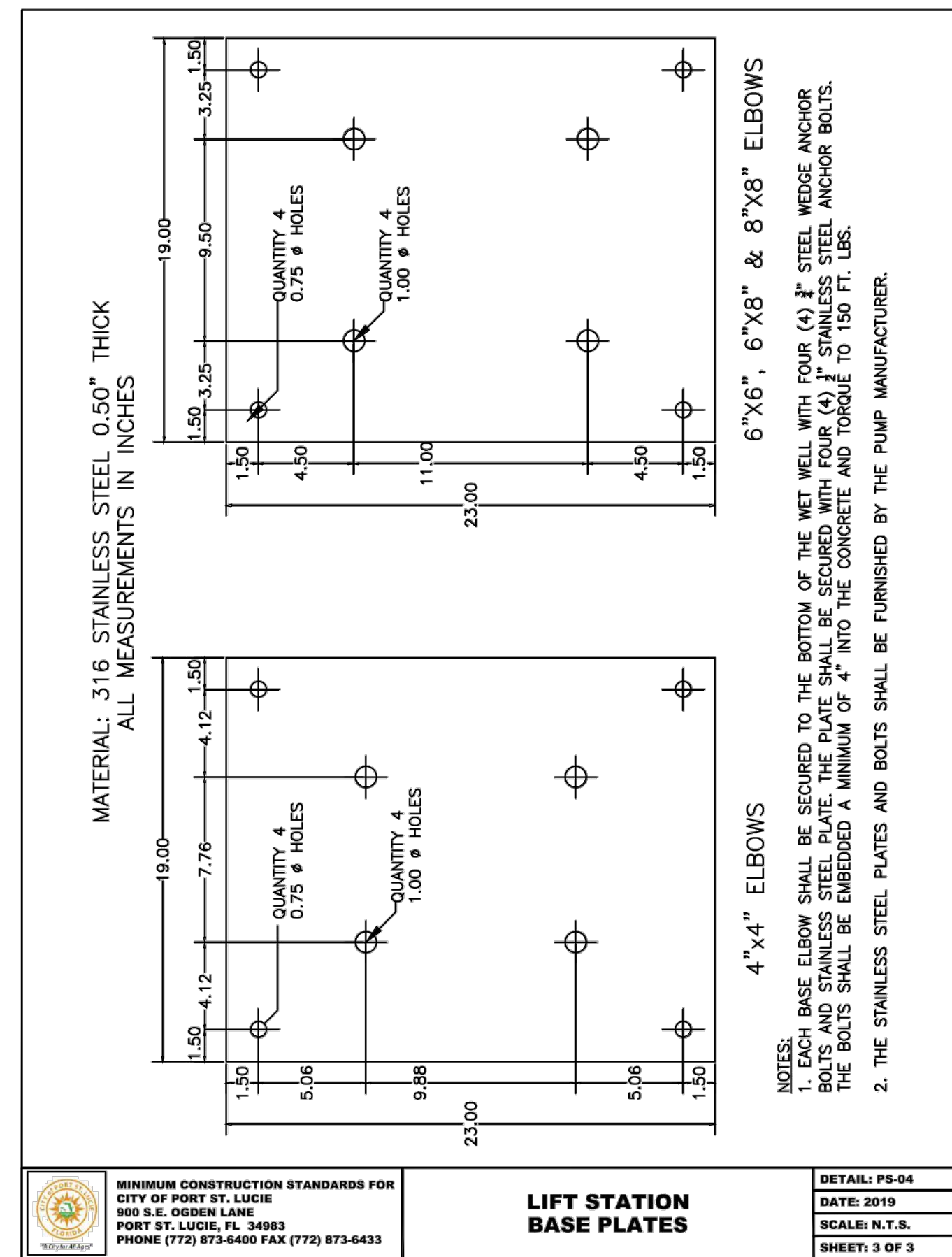
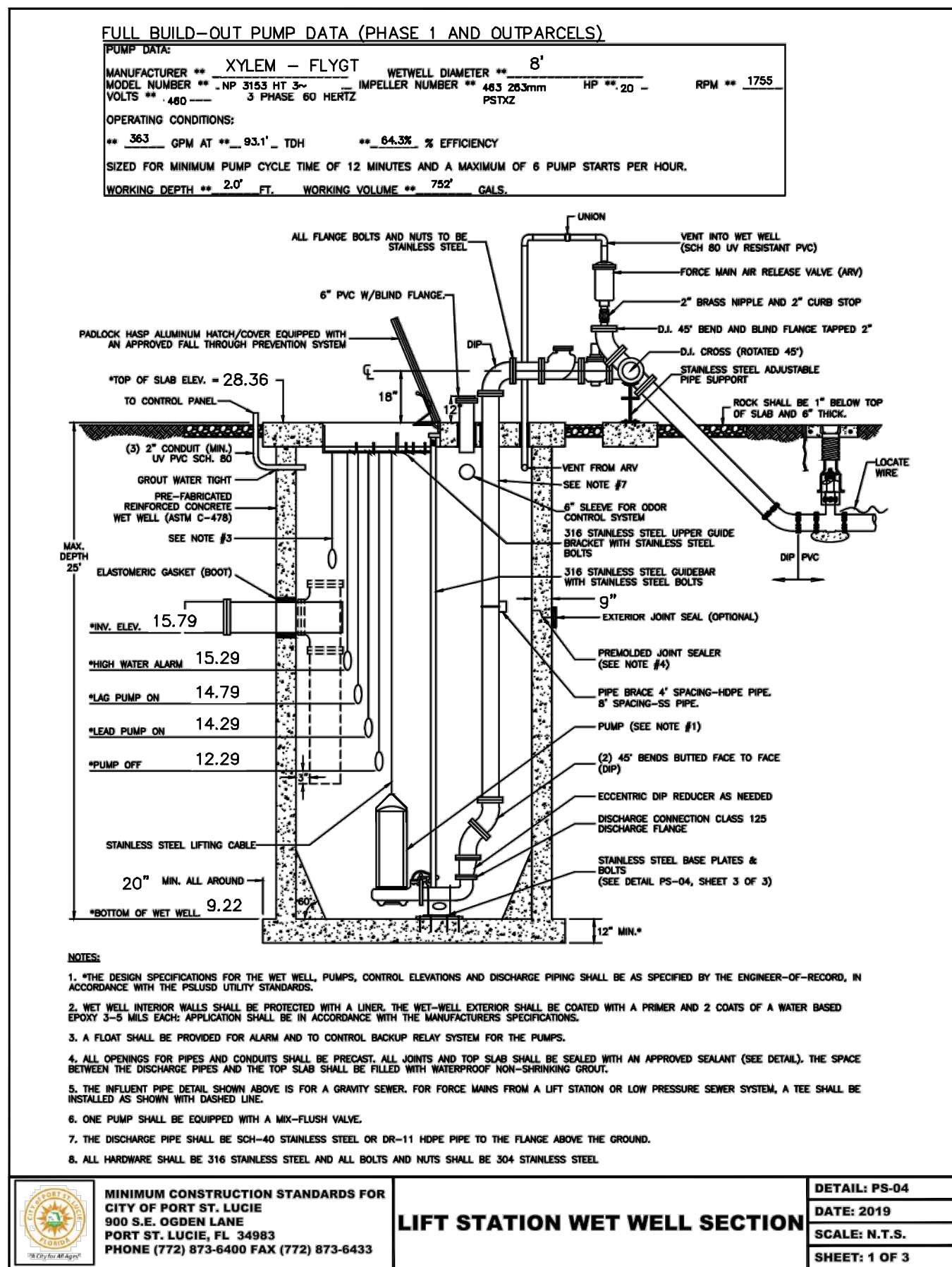
| No. | REVISIONS | DATE | BY |
|-----|-----------|------|----|
| | | | |

Plotted By: Anderson, Sarah - Sheet: 147842000 - The Shoppes at the Heart of Tradition - LIFT STATION DETAILS - LAYOUT: C-420 - CITY OF PORT ST. LUCIE, FLORIDA - 147842000.dwg
 This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse and/or improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

RECEIVED
 By Mdc11 at 11:37 am, May 18, 2023

PHASE 1 PUMP INSTALL

| | | |
|--|--------------------------------------|-------------------------------|
| PUMP DATA: | MANUFACTURER ** XYLEM - FLYGT | WETWELL DIAMETER ** 8' |
| MODEL NUMBER ** NP 3163 HT 3 | IMPELLER NUMBER ** 465 230mm | HP ** 20 - |
| VOLTS ** 480 - | PHASE 60 HERTZ | PSTXZ |
| OPERATING CONDITIONS: | | |
| ** 347 GPM AT ** 69.7' TDH | ** 83.5% EFFICIENCY | |
| SIZED FOR MINIMUM PUMP CYCLE TIME OF 12 MINUTES AND A MAXIMUM OF 6 PUMP STARTS PER HOUR. | | |
| WORKING DEPTH ** 2.0' FT. WORKING VOLUME ** 792' GALS. | | |



THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE.

VERTICAL DATUM
 ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). SUBTRACT 1.557 FROM NAVD 29 ELEVATION TO GET THE NAVD 88 ELEVATION.

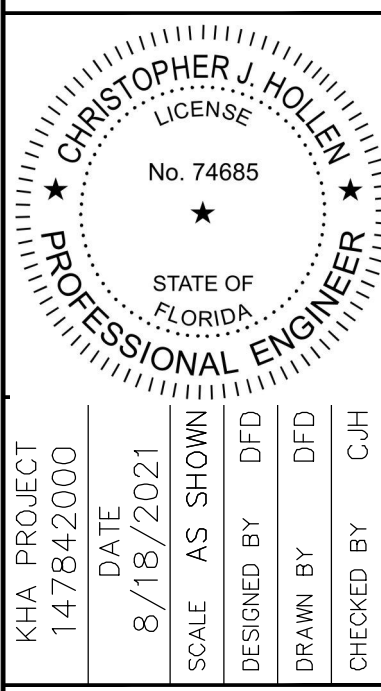


CITY OF PORT ST. LUCIE PROJECT #
 P21-239
PLUSD PROJECT #
 5211E

| No. | REVISIONS | DATE | BY |
|-----|-----------|------|----|
| | | | |

Kimley-Horn

© 2023 KIMLEY-HORN AND ASSOCIATES, INC.
 445 24TH STREET, SUITE 200, VERO BEACH, FL 32960
 PHONE: 772-794-4100
 WWW.KIMLEY-HORN.COM REGISTRY NO. 35106



KHA PROJECT
 147842000

DATE
 8/18/2021

SCALE
 AS SHOWN

DESIGNED BY
 DFD

DRAWN BY
 DFD

CHECKED BY
 C/JH

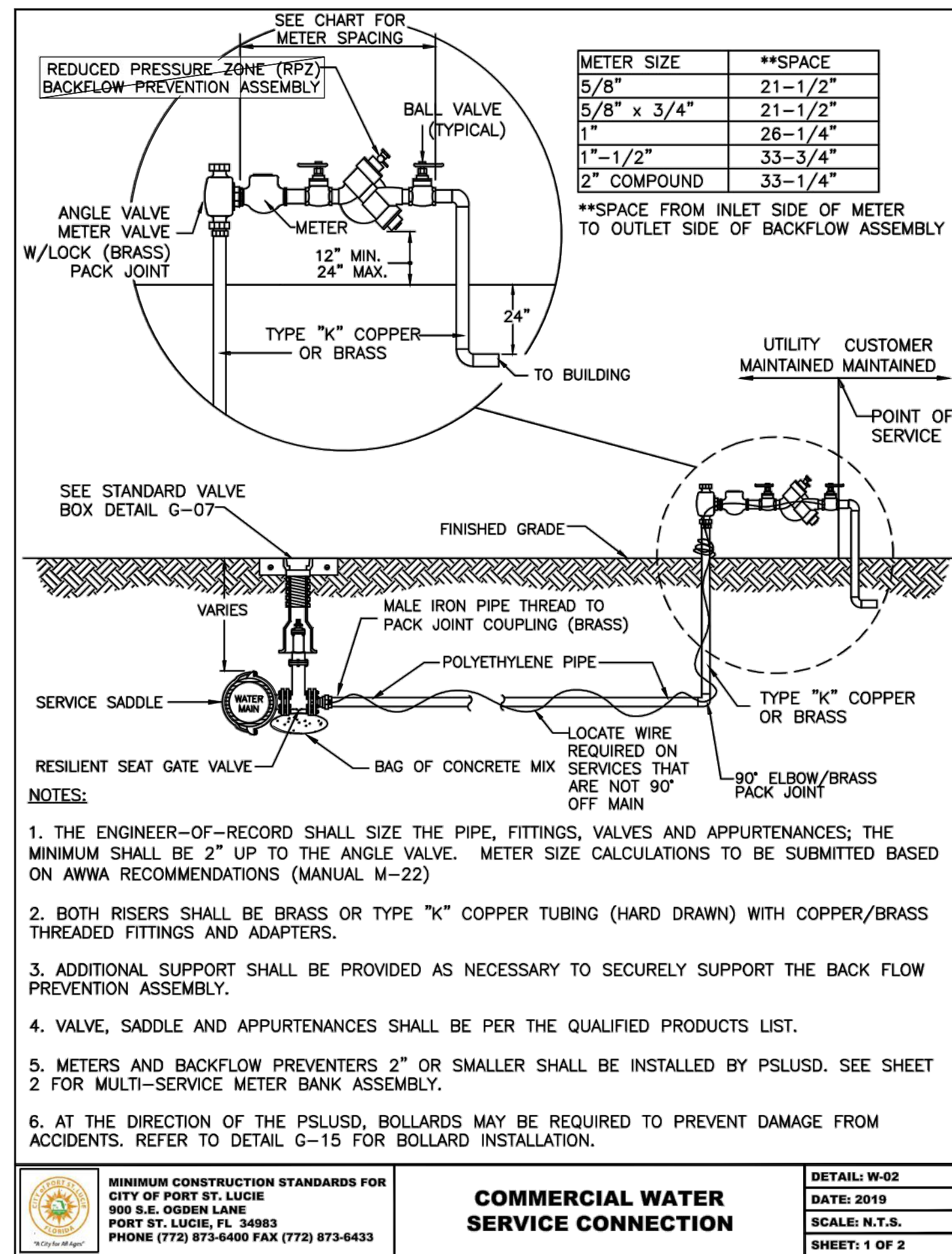
LIFT STATION DETAILS

THE SHOPPES AT THE HEART OF TRADITION FOR BANYAN DEVELOPMENT

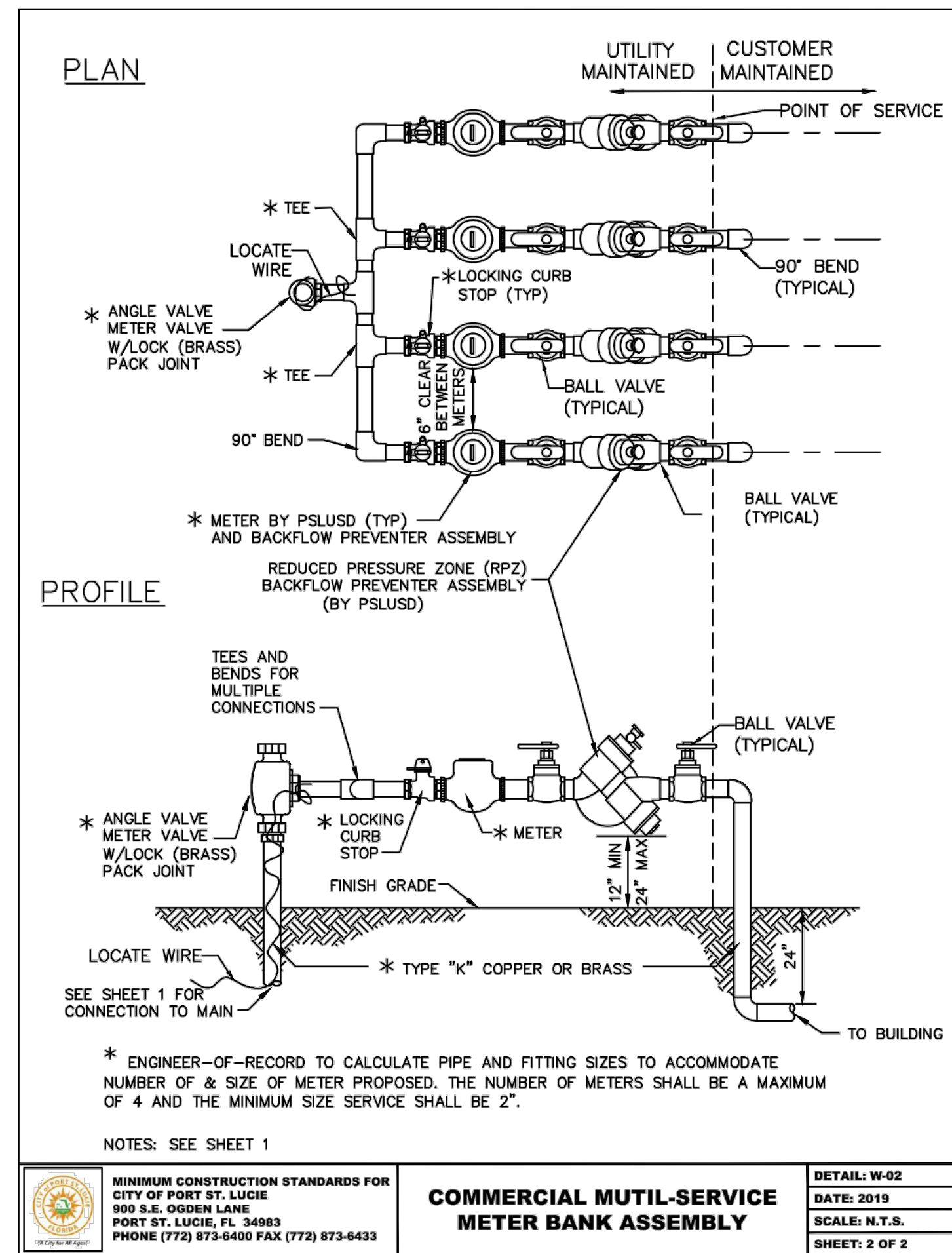
SAINT LUCIE COUNTY FLORIDA

SHEET NUMBER
 C-420

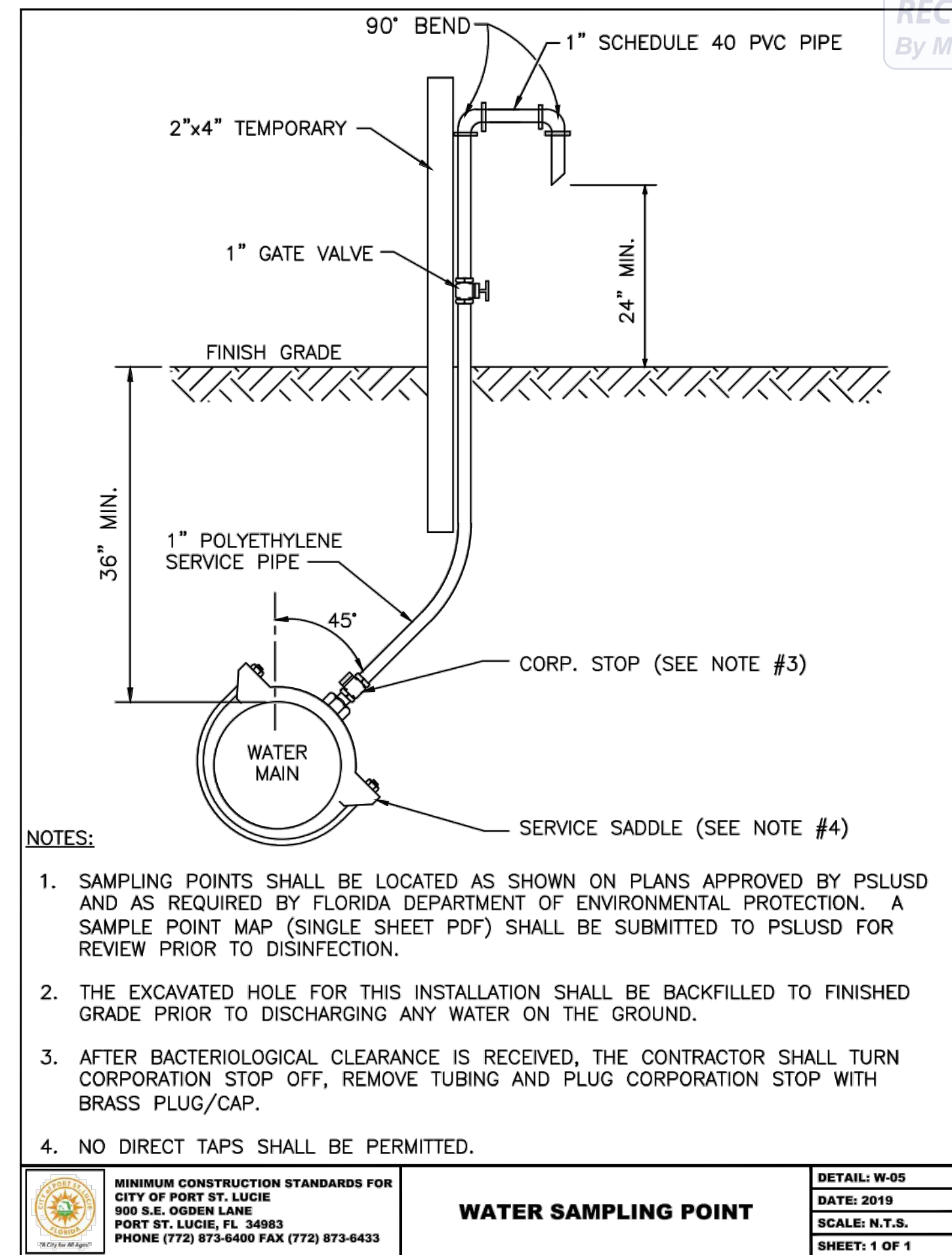
Plotted By: Anderson, Sarah - Sheet: 147842000 - The Shoppes at the Heart of Tradition - Layout: C-431 - CITY OF PORT ST. LUCIE UTILITY DETAILS - May 16, 2023 - 03:54:38pm - k: WRB - LDEV - 147842000 - banan p81\CAD\plan\sheet\C-430 CITY OF PORT ST. LUCIE UTILITY DETAILS - 147842000.dwg
 This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



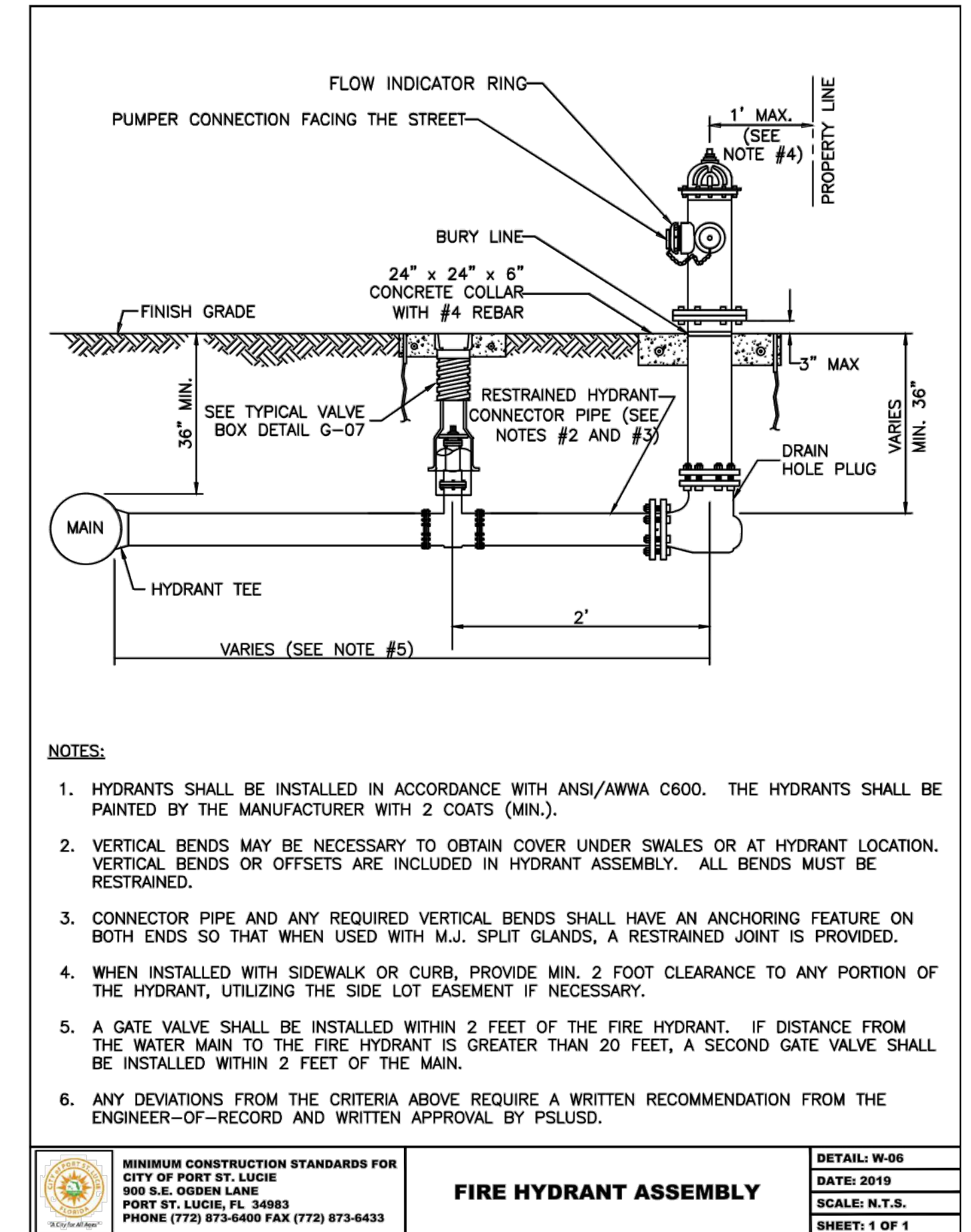
| | | |
|---|--|---------------|
| MINIMUM CONSTRUCTION STANDARDS FOR CITY OF PORT ST. LUCIE 900 S.E. OGDEN LANE PORT ST. LUCIE, FL 34983 PHONE (772) 873-6400 FAX (772) 873-6433 | COMMERCIAL WATER SERVICE CONNECTION | DETAIL: W-02 |
| | | DATE: 2019 |
| | | SCALE: N.T.S. |
| | | SHEET: 1 OF 2 |



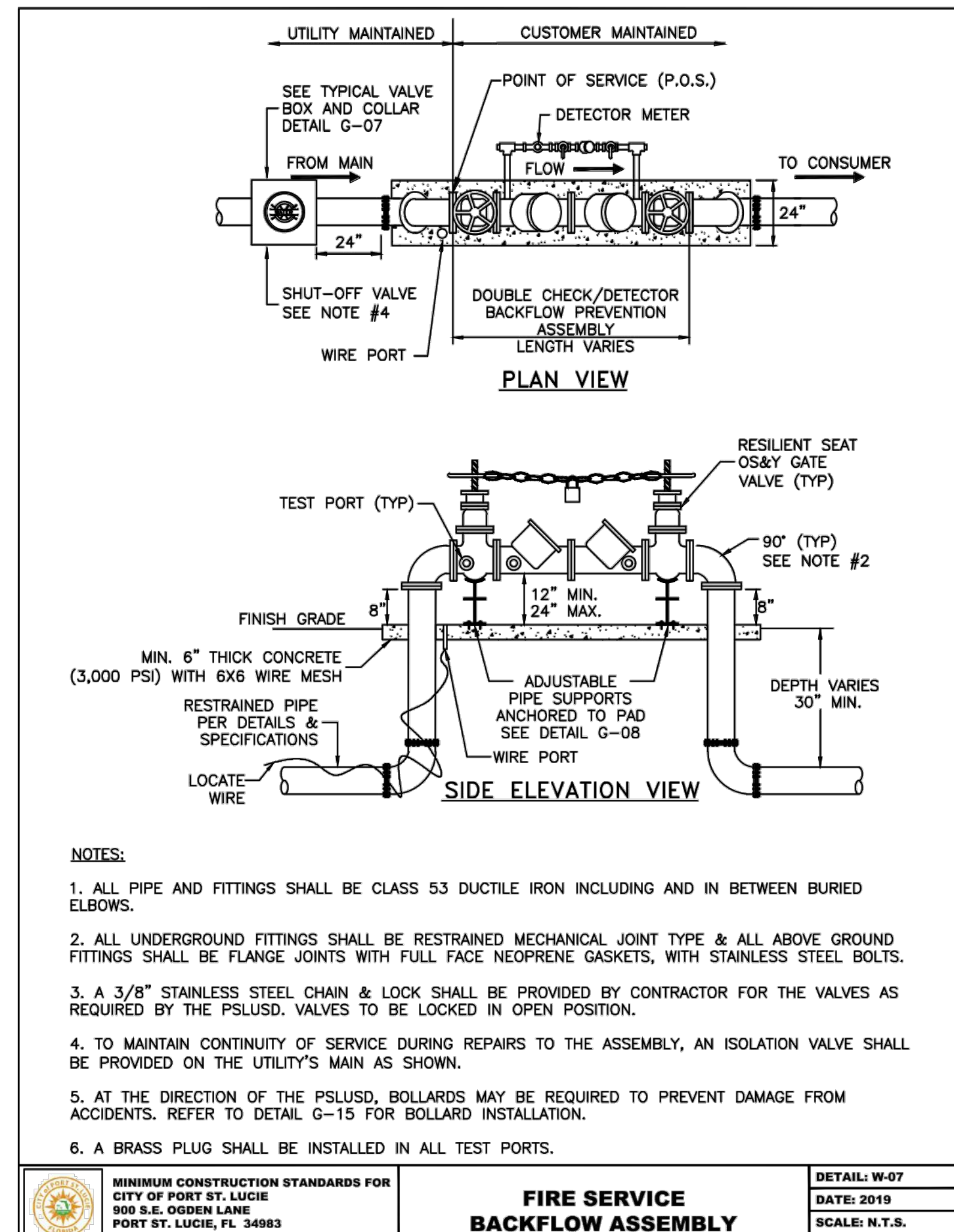
| | | |
|---|---|---------------|
| MINIMUM CONSTRUCTION STANDARDS FOR CITY OF PORT ST. LUCIE 900 S.E. OGDEN LANE PORT ST. LUCIE, FL 34983 PHONE (772) 873-6400 FAX (772) 873-6433 | COMMERCIAL MUTIL-SERVICE METER BANK ASSEMBLY | DETAIL: W-02 |
| | | DATE: 2019 |
| | | SCALE: N.T.S. |
| | | SHEET: 2 OF 2 |



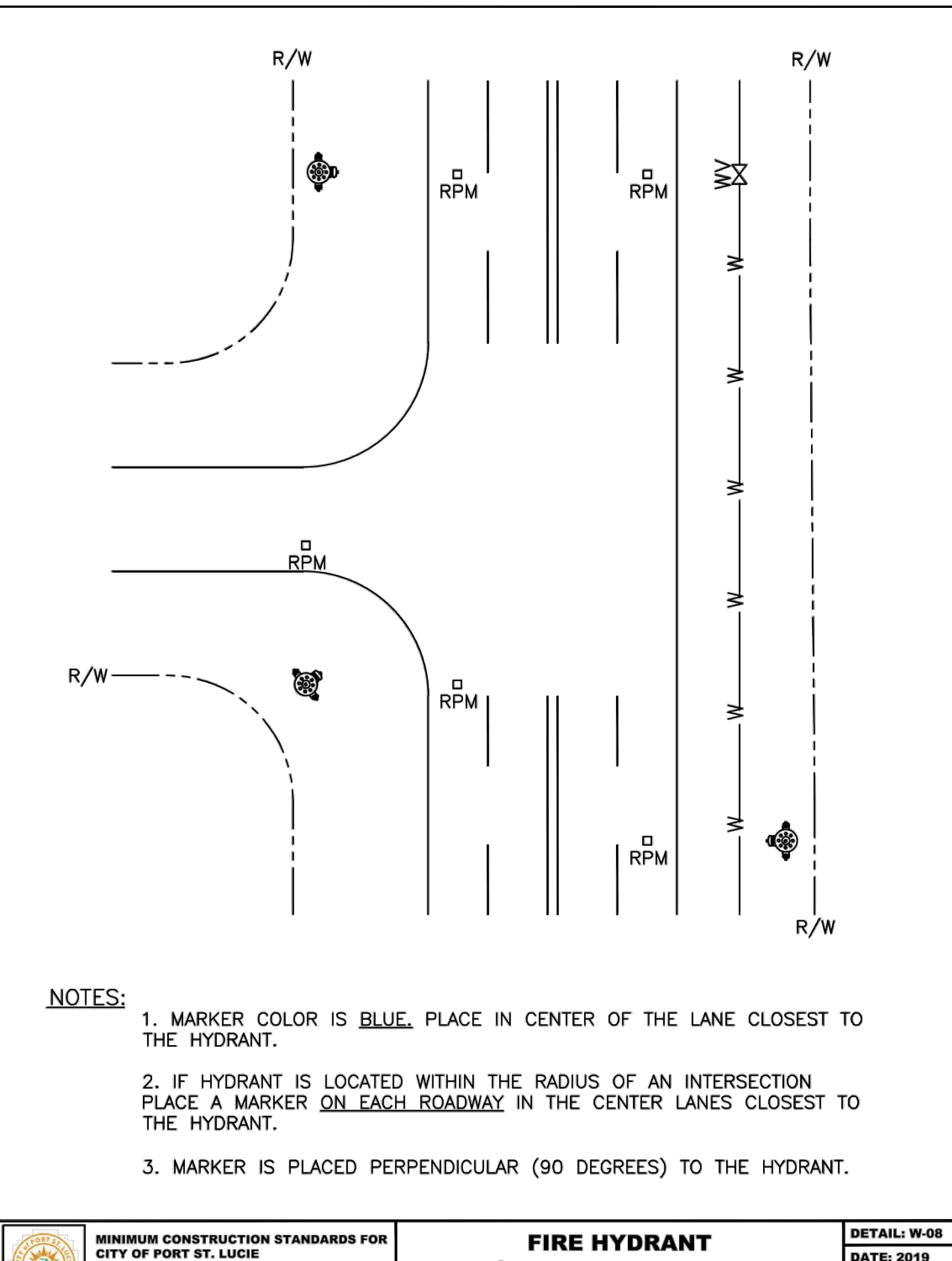
| | | |
|---|-----------------------------|---------------|
| MINIMUM CONSTRUCTION STANDARDS FOR CITY OF PORT ST. LUCIE 900 S.E. OGDEN LANE PORT ST. LUCIE, FL 34983 PHONE (772) 873-6400 FAX (772) 873-6433 | WATER SAMPLING POINT | DETAIL: W-05 |
| | | DATE: 2019 |
| | | SCALE: N.T.S. |
| | | SHEET: 1 OF 1 |



| | | |
|---|------------------------------|---------------|
| MINIMUM CONSTRUCTION STANDARDS FOR CITY OF PORT ST. LUCIE 900 S.E. OGDEN LANE PORT ST. LUCIE, FL 34983 PHONE (772) 873-6400 FAX (772) 873-6433 | FIRE HYDRANT ASSEMBLY | DETAIL: W-06 |
| | | DATE: 2019 |
| | | SCALE: N.T.S. |
| | | SHEET: 1 OF 1 |



| | | |
|---|---------------------------------------|---------------|
| MINIMUM CONSTRUCTION STANDARDS FOR CITY OF PORT ST. LUCIE 900 S.E. OGDEN LANE PORT ST. LUCIE, FL 34983 PHONE (772) 873-6400 FAX (772) 873-6433 | FIRE SERVICE BACKFLOW ASSEMBLY | DETAIL: W-07 |
| | | DATE: 2019 |
| | | SCALE: N.T.S. |
| | | SHEET: 1 OF 1 |

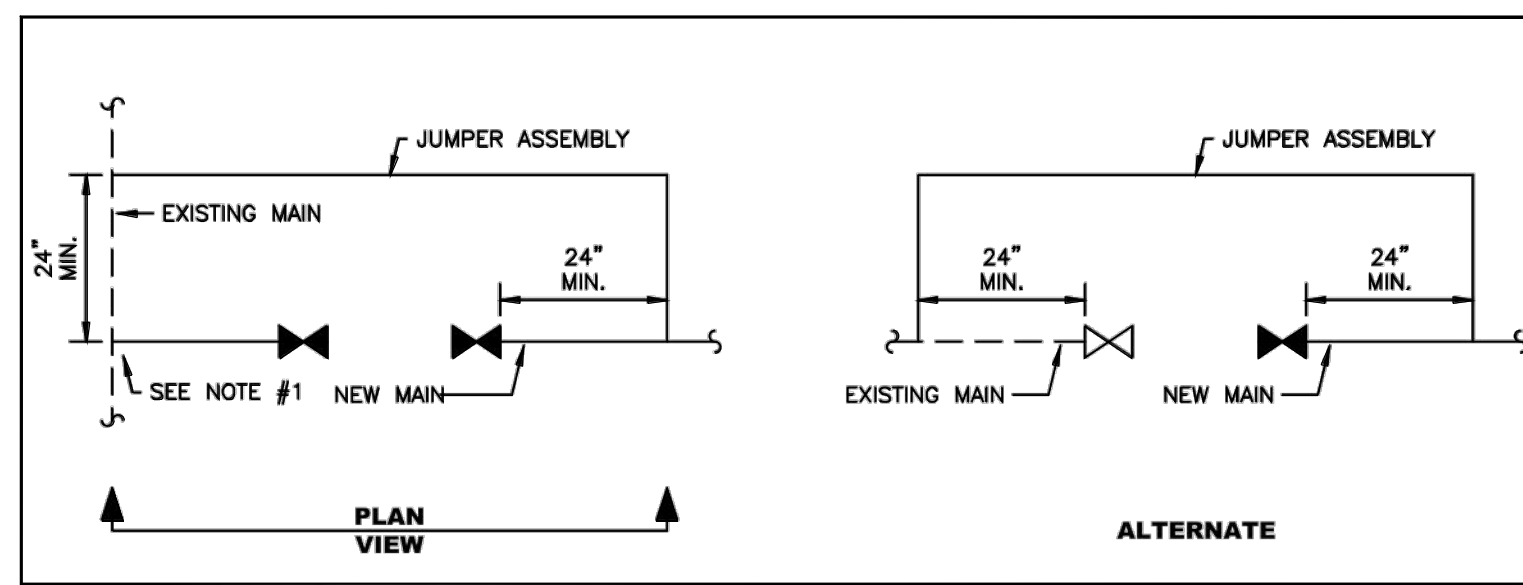


| | | |
|---|--|---------------|
| MINIMUM CONSTRUCTION STANDARDS FOR CITY OF PORT ST. LUCIE 900 S.E. OGDEN LANE PORT ST. LUCIE, FL 34983 PHONE (772) 873-6400 FAX (772) 873-6433 | FIRE HYDRANT REFLECTIVE PAVEMENT MARKER PLACEMENT GUIDELINE | DETAIL: W-08 |
| | | DATE: 2019 |
| | | SCALE: N.T.S. |
| | | SHEET: 1 OF 1 |

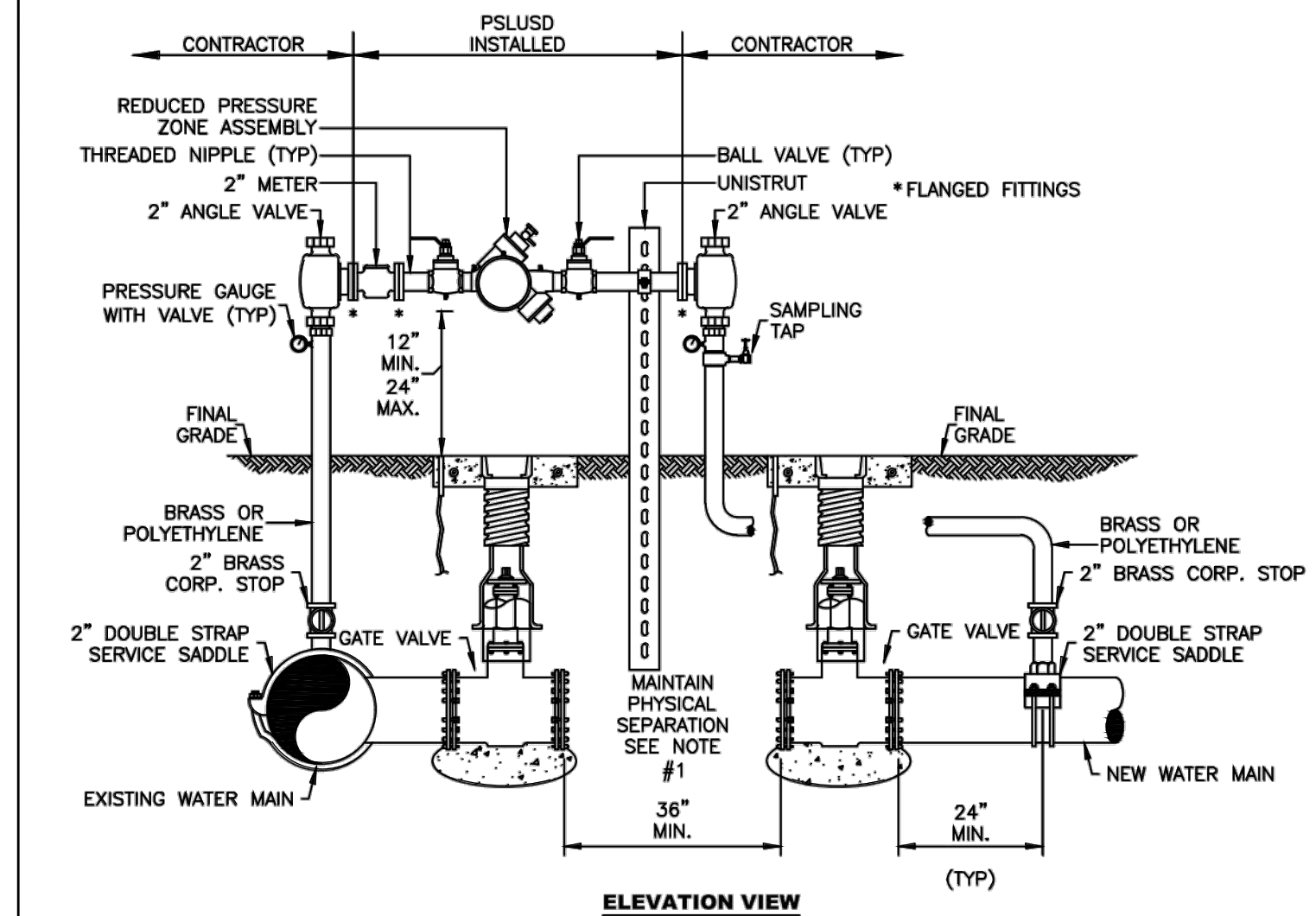
THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTORS BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE.
 VERTICAL DATUM
 ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). SUBTRACT 1.57' FROM NAVD 88 ELEVATION TO GET THE NAVD 83 ELEVATION.

811
 Know what's below.
 Call before you dig.
 CITY OF PORT ST. LUCIE PROJECT # P21-239
 PSLUSD PROJECT # 5211E

| | |
|--|--|
| © 2023 KIMLEY-HORN AND ASSOCIATES, INC. 445 24TH STREET, SUITE 200, VERO BEACH, FL 32960 PHONE: 772-794-4100 WWW.KIMLEY-HORN.COM REGISTRY NO. 35106 | KHA PROJECT 147842000 DATE 8/18/2021 SCALE AS SHOWN DESIGNED BY DFD DRAWN BY C/JH CHECKED BY C/JH |
| CITY OF PORT ST. LUCIE UTILITY DETAILS | FLORIDA |
| THE SHOPPES AT THE HEART OF TRADITION FOR BANYAN DEVELOPMENT | SAINT LUCIE COUNTY |
| SHEET NUMBER C-431 | REVISIONS No. DATE BY |



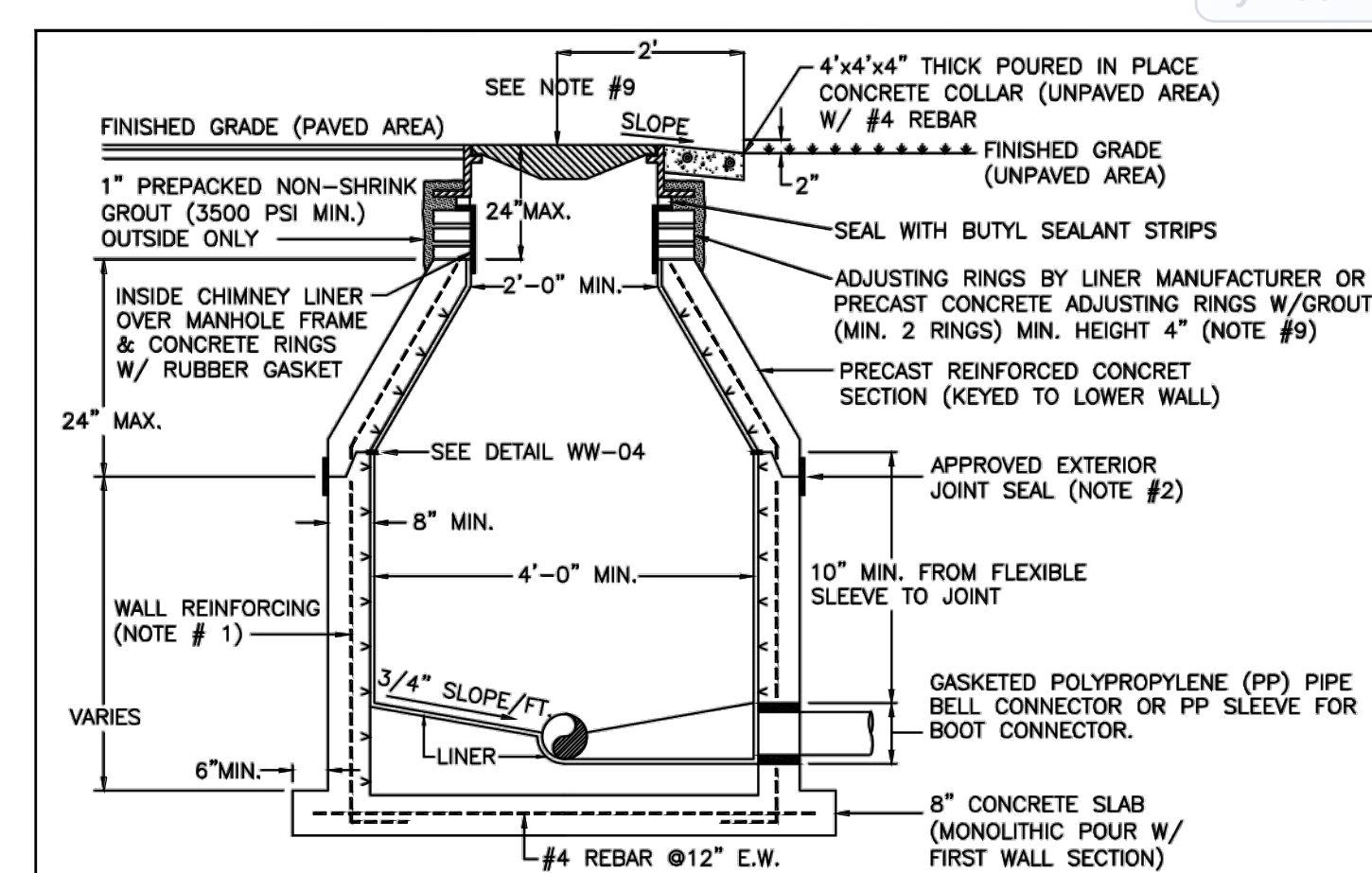
ALL PIPES AND APPURTENANCES TO BE 2" FOR NEW MAINS UP TO 8" FOR MAINS OVER 8". ALL PIPES AND APPURTENANCES TO BE SIZED AND DESIGNED BY THE ENGINEER OF RECORD.



| | | | |
|--|---|--|--|
| | MINIMUM CONSTRUCTION STANDARDS FOR CITY OF PORT ST. LUCIE 900 S.E. OGDEN LANE PORT ST. LUCIE, FL 34983 PHONE (772) 873-6400 FAX (772) 873-6433 | TEMPORARY JUMPER CONNECTION (UP TO 8" PIPE) | DETAIL: W-09 DATE: 2019 SCALE: N.T.S. SHEET: 1 OF 2 |
| | CONTRACTOR PSLUSD INSTALLED CONTRACTOR | | |

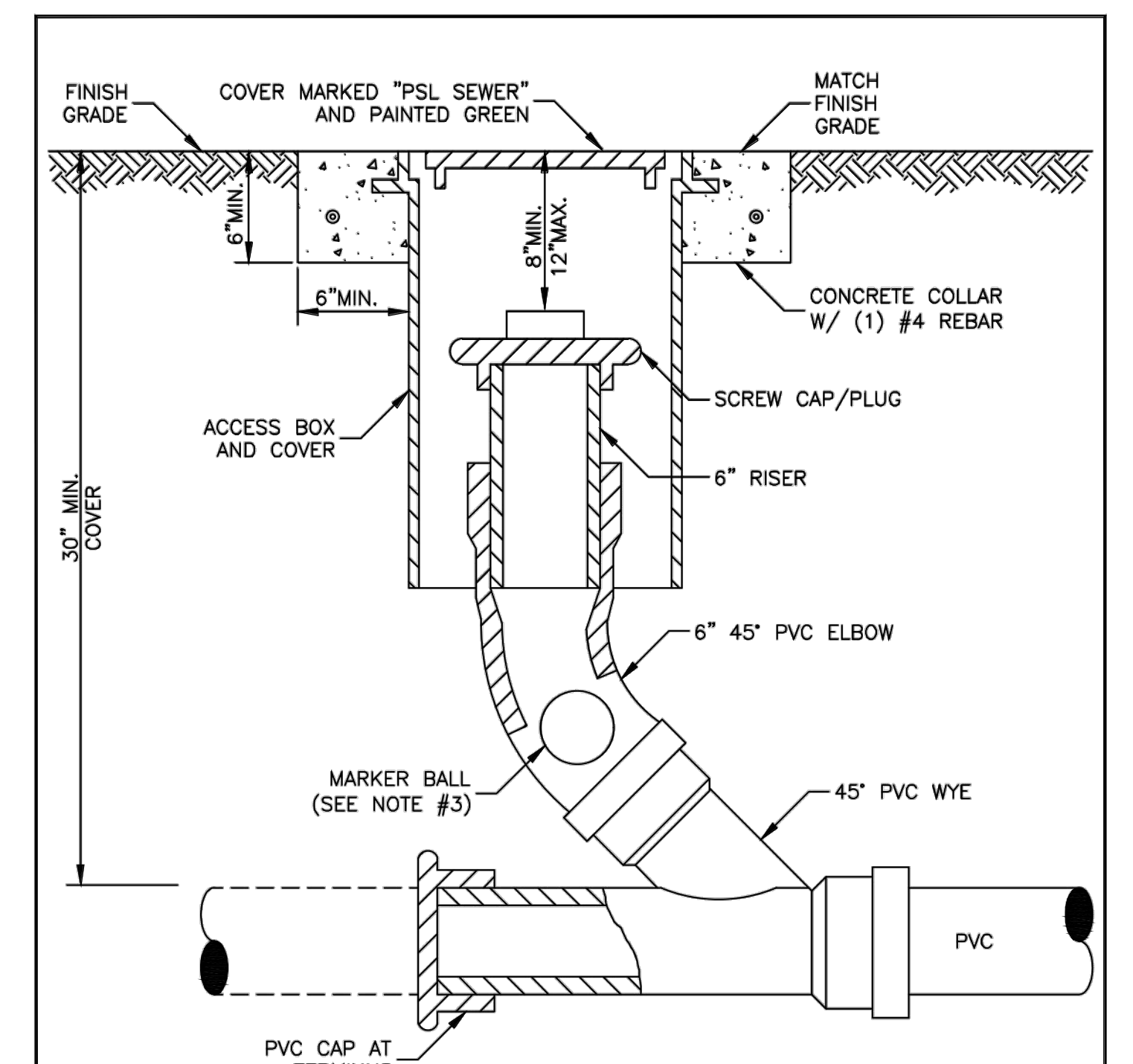
- NOTES:
- A TEMPORARY JUMPER CONNECTION IS REQUIRED AT ALL CONNECTIONS BETWEEN EXISTING ACTIVE PSLUSD WATER MAINS AND PROPOSED NEW WATER MAINS. A PHYSICAL SEPARATION SHALL BE MAINTAINED, EXCEPT AS NOTED IN #5 BELOW. THE PROCEDURES ARE APPLICABLE WHEN CONNECTING TO AN EXISTING PSLUSD WATER MAIN, WHETHER BY TAPPING THE AND VALVE OR BY CONTINUATION OF A PLUGGED STUB OUT WITH AN EXISTING GATE VALVE.
 - THE CONTRACTOR SHALL CONTACT THE PSLUSD REGARDING SCHEDULING OF REQUIRED INSPECTIONS RELATING TO THE CONNECTION. PSLUSD INSPECTIONS ARE SPECIFICALLY REQUIRED FOR TIE-INS OR WET TAPS TO EXISTING WATER MAINS, JUMPER INSTALLATION, FLUSHING, PRESSURE TESTING, DISINFECTION, SAMPLING, PLUGGING OF SAMPLING POINTS AND PERMANENT CONNECTION OF THE NEW WATER MAIN. THE CONTRACTOR SHALL FOLLOW ALL PROCEDURES STRICTLY IN ACCORDANCE WITH THE PSLUSD UTILITY STANDARDS MANUAL.
 - THE TEMPORARY JUMPER ASSEMBLY (FLANGE TO FLANGE) WILL BE SUPPLIED, INSTALLED AND TESTED BY THE PSLUSD, IN COORDINATION WITH THE ENGINEER OF RECORD AND CONTRACTOR. OTHER MATERIALS AND INSTALLATION REQUIRED FOR THE CONNECTION ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE UNDERGROUND FITTINGS SHALL BE RESTRAINED MECHANICAL JOINT TYPE. ALL MATERIALS SHALL BE PER THE PSLUSD APPROVED QUALIFIED PRODUCTS LIST. THE JUMPER CONNECTION SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL THE ASSEMBLY IS REMOVED BY THE PSLUSD.
 - ALL NEW WATER MAINS SHALL BE DOUBLE-PIGGED, FLUSHED, PRESSURE TESTED AND DISINFECTED. NEW MAIN SHALL NOT BE PLACED INTO SERVICE UNTIL THE BACTERIOLOGICAL TEST RESULTS ARE SATISFACTORY AND A WRITTEN APPROVAL HAS BEEN OBTAINED FROM THE PSLUSD.
 - A PHYSICAL SEPARATION SHALL BE MAINTAINED BETWEEN THE EXISTING MAIN AND NEW MAIN, EXCEPT AS NOTED HEREIN. IF THE NEW MAIN IS OF A SIZE OR LENGTH THAT PIGGING/FLUSHING CANNOT BE EFFECTIVELY ACCOMPLISHED WITH THE JUMPER CONNECTION, MORE THAN ONE JUMPER MAY BE USED AS DETERMINED BY THE EOR OR, THE PSLUSD MAY ALLOW A PHYSICAL CONNECTION UNDER CONTROLLED CONDITIONS AS FOLLOWS:
 - THE PROCEDURE WILL BE CONDUCTED BY THE CONTRACTOR IN THE PRESENCE OF A PSLUSD INSPECTOR AND THE ENGINEER-OF-RECORD (EOR) OR REPRESENTATIVE.
 - THE NEW VALVE(S) SHOWN IN THIS DETAIL SHALL BE PRESSURE/LEAKAGE TESTED AND REPLACED IF LEAKAGE IS OBSERVED. THE VALVES WILL BE KEPT CLOSED BY THE PSLUSD AND SHALL NOT BE OPERATED BY ANY ONE OTHER THAN PSLUSD PERSONNEL.
 - THE JUMPER CONNECTION SHALL BE USED TO FILL THE NEW MAIN.
 - THE CONTRACTOR SHALL DISINFECT THE PIPE AND FITTINGS USED TO MAKE THE CONNECTION BY SPRAYING AND SWABBING WITH CHLORINE.
 - ALL VALVES IN THE NEW SYSTEM DOWNSTREAM OF THE JUMPER SHALL BE OPENED BY THE CONTRACTOR PRIOR TO FLUSHING. THE VALVES SHOWN IN THIS DETAIL SHALL BE OPENED BY PSLUSD PERSONNEL ONLY.
 - THE PIGGING AND FLUSHING SHALL BE PERFORMED BY THE CONTRACTOR IN THE PRESENCE OF A PSLUSD INSPECTOR. THE VALVES WILL BE CLOSED BY PSLUSD PERSONNEL AFTER THE MAIN HAS BEEN FLUSHED.
 - THE WATER MAINS SHALL BE PRESSURE TESTED AFTER FLUSHING AND PRIOR TO DISINFECTION. ALL VALVES SHALL REMAIN CLOSED DURING THE PRESSURE TEST AND WILL NOT BE OPENED UNTIL THE RESULTS OF PRESSURE TESTING AND BACTERIOLOGICAL TESTING ARE SATISFACTORY AND THE SYSTEM HAS BEEN ACCEPTED FOR OPERATION BY THE PSLUSD.
 - DISINFECTION SHALL BE CONDUCTED IN ACCORDANCE WITH AWWA C651. A MINIMUM PRESSURE OF 20 PSI SHALL BE MAINTAINED IN THE NEW MAIN AFTER DISINFECTION.
 - CONNECTION TO EXISTING MAINS SHALL NOT BE MADE PRIOR TO BACTERIOLOGICAL CLEARANCE AND UNTIL APPROVED BY THE PSLUSD.
 - UPON WRITTEN ACCEPTANCE OF BACTERIOLOGICAL CLEARANCE BY THE PSLUSD, THE SAMPLING POINTS CAN BE REMOVED AND PLUGGED BY THE CONTRACTOR. THE CONTRACTOR SHALL MAKE THE PERMANENT CONNECTION IN THE PRESENCE OF A PSLUSD INSPECTOR, UNLESS THE CONNECTION WAS PREVIOUSLY MADE AS INDICATED IN NOTE 5D; THE PIPE AND FITTINGS FOR CONNECTION SHALL BE DISINFECTED BY SPRAYING AND SWABBING WITH CHLORINE. ONCE APPROVAL TO PLACE THE WATER SYSTEM INTO OPERATION HAS BEEN RECEIVED, THE JUMPER ASSEMBLY (FLANGE TO FLANGE) WILL BE REMOVED BY THE PSLUSD IN COORDINATION WITH THE CONTRACTOR. THE CONTRACTOR SHALL REMOVE THE REST OF THE JUMPER CONNECTION PIPING AND PLUG THE CORPORATION STOP VALVES.
 - ABANDONED TAP LOCATIONS TO BE SHOWN ON THE AS-BUILTS.

| | | | |
|--|---|------------------------------------|--|
| | MINIMUM CONSTRUCTION STANDARDS FOR CITY OF PORT ST. LUCIE 900 S.E. OGDEN LANE PORT ST. LUCIE, FL 34983 PHONE (772) 873-6400 FAX (772) 873-6433 | TEMPORARY JUMPER CONNECTION | DETAIL: W-09 DATE: 2019 SCALE: N.T.S. SHEET: 2 OF 2 |
| | CONTRACTOR PSLUSD INSTALLED CONTRACTOR | | |



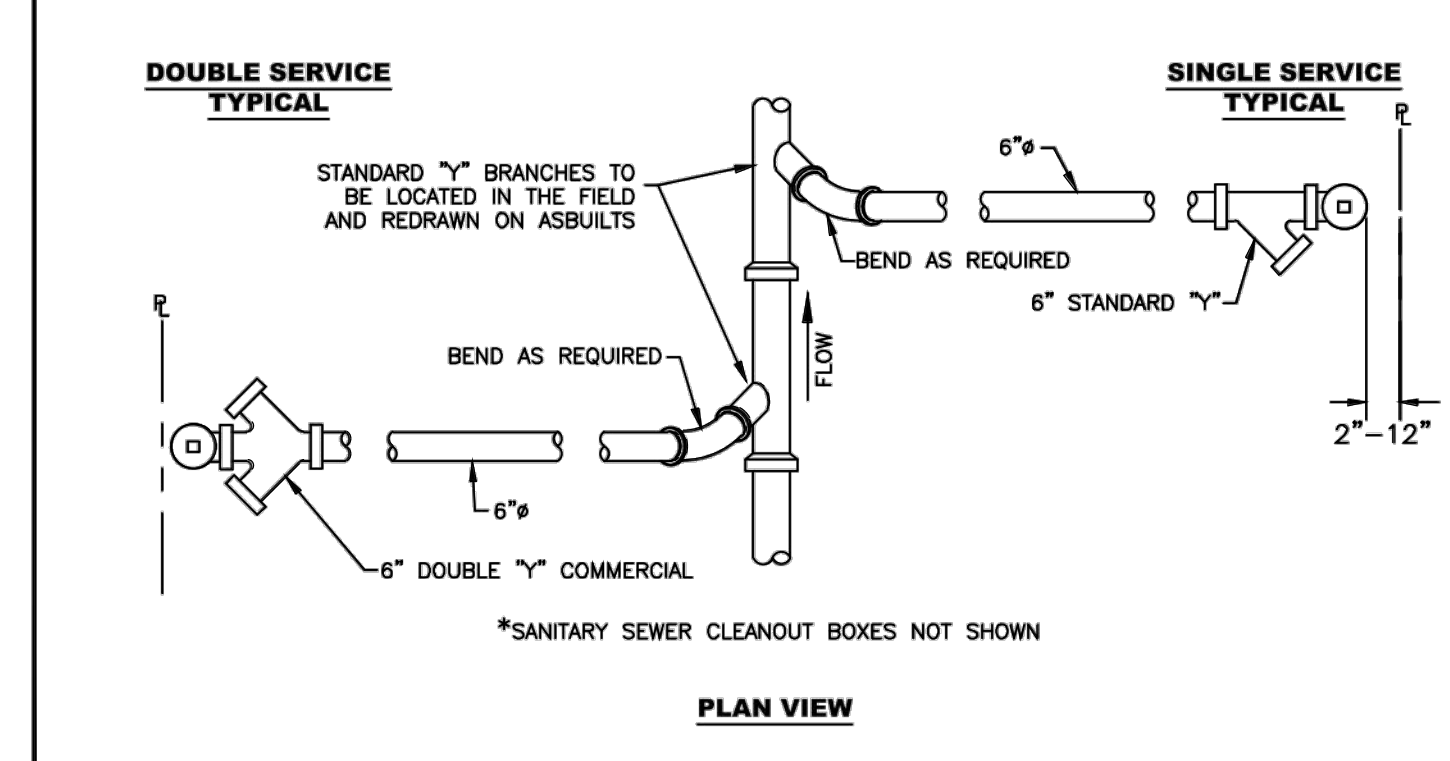
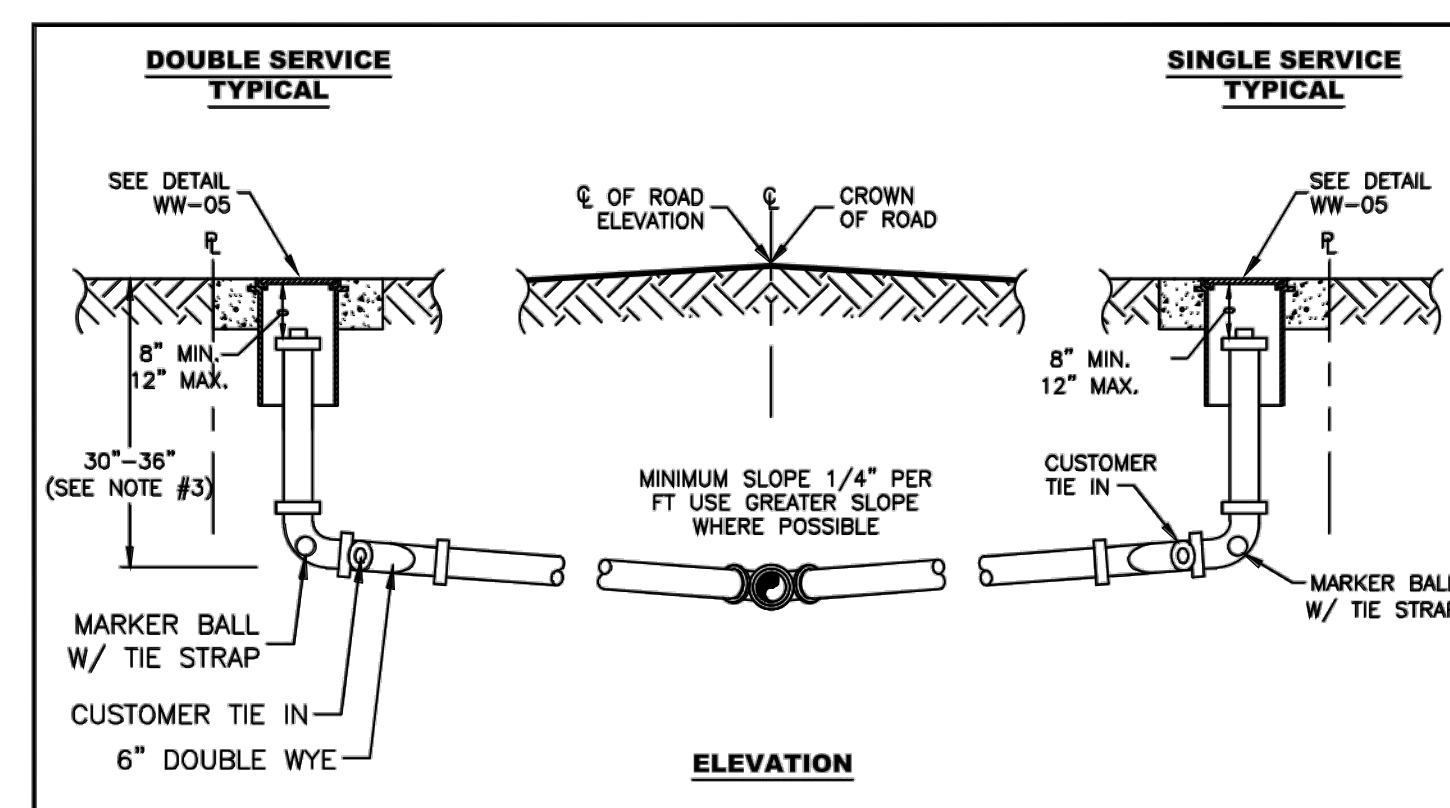
- NOTES:
- MANHOLE FABRICATION SHALL BE IN ACCORDANCE W/ ASTM C-478, LATEST REVISION.
 - SEALANT SHALL BE APPLIED PER MANUFACTURER'S SPECIFICATION BETWEEN MANHOLE SECTIONS & AT ALL JOINTS (SEE DETAIL WW-04). ALSO AN APPROVED EXTERNAL JOINT SEAL MAY BE APPLIED AT THE JOINTS. (EXTERNAL JOINT SEAL IS OPTIONAL)
 - ALL PIPE OPENINGS SHALL BE GAS AND WATER TIGHT WITH NO EXPOSED CONCRETE SURFACES.
 - CAST OPENINGS SHALL BE MANUFACTURED WITH PRECAST HOLE W/ CAST-IN LINER SLEEVE SIZED FOR APPROPRIATE PIPE AND FLEXIBLE CONNECTOR. APPROVED FLEXIBLE MANHOLE CONNECTORS SHALL BE USED AT PIPE CONNECTIONS. HOLE SIZE PER BOOT MANUFACTURER'S SPECIFICATIONS. DOUBLE STAINLESS STEEL PIPE CLAMPS MUST BE INSTALLED ON THE FLEXIBLE SLEEVES WHERE REQUIRED BY BOOT MANUFACTURER'S INSTALLATION INSTRUCTIONS.
 - FLOW CHANNELS SHALL BE CONSTRUCTED TO DIRECT FLOW INTO FLOW STREAM (SEE DETAIL WW-01).
 - LIFT HOLES ARE PERMITTED BUT MUST BE GROUTED ONCE MANHOLE IS IN PLACE.
 - MANHOLE AND BASE WILL BE LINED INSIDE WITH AN APPROVED LINER SYSTEM.
 - AN APPROVED COVER & FRAME SHALL BE PROVIDED. APPROVED INSIDE MANHOLE CHIMNEY SEALANT SHALL BE APPLIED OVER THE MANHOLE FRAME, CONCRETE RINGS, AND LINER SECTION IN ACCORDANCE WITH THE SPECIFICATIONS.
 - MAXIMUM HEIGHT OF CHIMNEY SHALL NOT EXCEED 24 INCHES INCLUDING FRAME CASTING.

| | | | |
|--|---|---------------------------------|---|
| | MINIMUM CONSTRUCTION STANDARDS FOR CITY OF PORT ST. LUCIE 900 S.E. OGDEN LANE PORT ST. LUCIE, FL 34983 PHONE (772) 873-6400 FAX (772) 873-6433 | STANDARD PRECAST MANHOLE | DETAIL: WW-02 DATE: 2019 SCALE: N.T.S. SHEET: 1 OF 2 |
| | CONTRACTOR PSLUSD INSTALLED CONTRACTOR | | |



- NOTES:
- AN ACCESS BOX AND COVER SHALL BE USED.
 - CLEANOUT ASSEMBLY SHALL BE INSTALLED AT A MAXIMUM 75' INTERVALS AND AT TERMINAL POINT OF THE PSLUSD RESPONSIBILITY. THE LOCATION SHALL BE IN ACCORDANCE WITH THE PSLUSD UTILITY STANDARDS.
 - MARKER BALL SHALL BE STRAPPED TO THE ELBOW.

| | | | |
|--|---|--------------------------------|---|
| | MINIMUM CONSTRUCTION STANDARDS FOR CITY OF PORT ST. LUCIE 900 S.E. OGDEN LANE PORT ST. LUCIE, FL 34983 PHONE (772) 873-6400 FAX (772) 873-6433 | SANITARY SEWER CLEANOUT | DETAIL: WW-05 DATE: 2019 SCALE: N.T.S. SHEET: 1 OF 1 |
| | CONTRACTOR PSLUSD INSTALLED CONTRACTOR | | |



- NOTES:
- SANITARY SEWER LATERALS SHALL BE 6" IN DIAMETER.
 - THE ENGINEER OF RECORD SHALL ENSURE THAT THE PROPOSED PLUMBING STUB-OUT ELEVATION FOR EACH BUILDING WILL ALLOW FOR A GRAVITY CONNECTION TO THE SANITARY SEWER LATERAL WITH THE REQUIRED SLOPE. HORIZONTAL AND VERTICAL SEPARATION SHALL BE MAINTAINED AS REQUIRED IN THE UTILITY STANDARDS MANUAL.

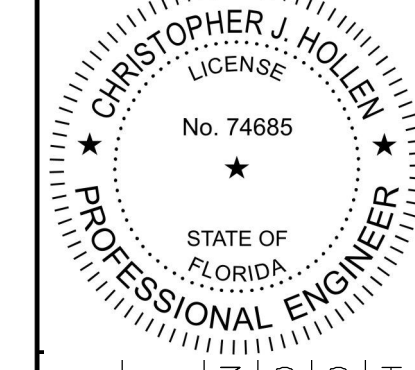
| | | | |
|--|---|---|---|
| | MINIMUM CONSTRUCTION STANDARDS FOR CITY OF PORT ST. LUCIE 900 S.E. OGDEN LANE PORT ST. LUCIE, FL 34983 PHONE (772) 873-6400 FAX (772) 873-6433 | SANITARY SEWER LATERAL (SHALLOW) | DETAIL: WW-06 DATE: 2019 SCALE: N.T.S. SHEET: 1 OF 1 |
| | CONTRACTOR PSLUSD INSTALLED CONTRACTOR | | |

Plotted By: Anderson, Sarah - Sheet: Sect:147842000 - The Shoppes at the Heart of Tradition - Layout: C-432 - CITY OF PORT ST. LUCIE UTILITY DETAILS - May 16, 2023 03:34:46pm - K:\VRB\LD\VA\147842000 - banyan.psl\CAD\plan sheets\C-432 - CITY OF PORT ST. LUCIE UTILITY DETAILS - 147842000.dwg
 This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

| | | | |
|-----|-----------|------|----|
| NO. | REVISIONS | DATE | BY |
| | | | |

Kimley-Horn

© 2023 KIMLEY-HORN AND ASSOCIATES, INC.
 445 24TH STREET, SUITE 200, VERO BEACH, FL 32960
 PHONE: 772-794-4100
 WWW.KIMLEY-HORN.COM REGISTRY NO. 35106



| | |
|-------------|-----------|
| KHA PROJECT | 147842000 |
| DATE | 8/18/2021 |
| SCALE | AS SHOWN |
| DESIGNED BY | DFD |
| DRAWN BY | DFD |
| CHECKED BY | CJH |

CITY OF PORT ST. LUCIE UTILITY DETAILS

THE SHOPPES AT THE HEART OF TRADITION FOR BANYAN DEVELOPMENT

SAINT LUCIE COUNTY FLORIDA



Know what's below.
Call before you dig.

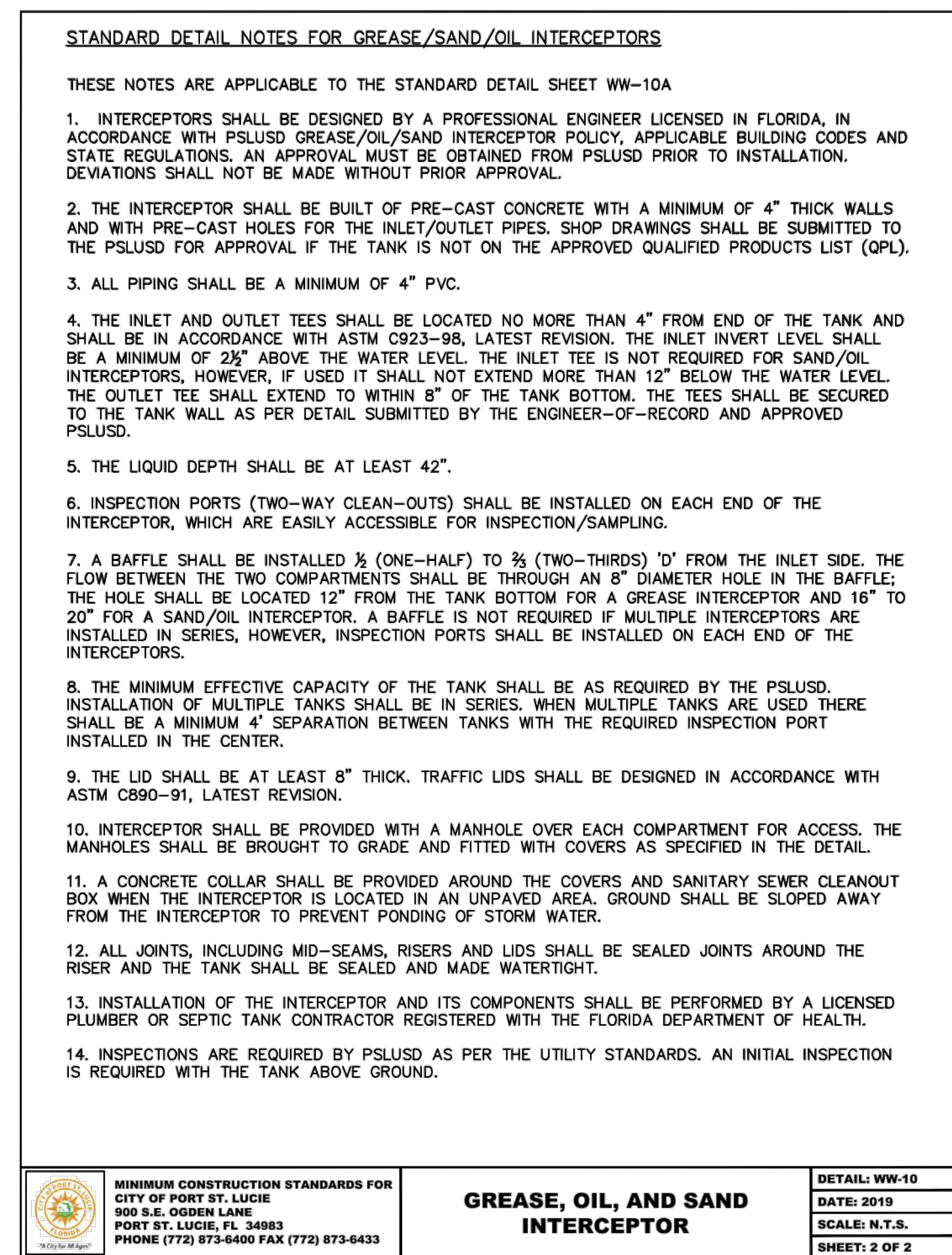
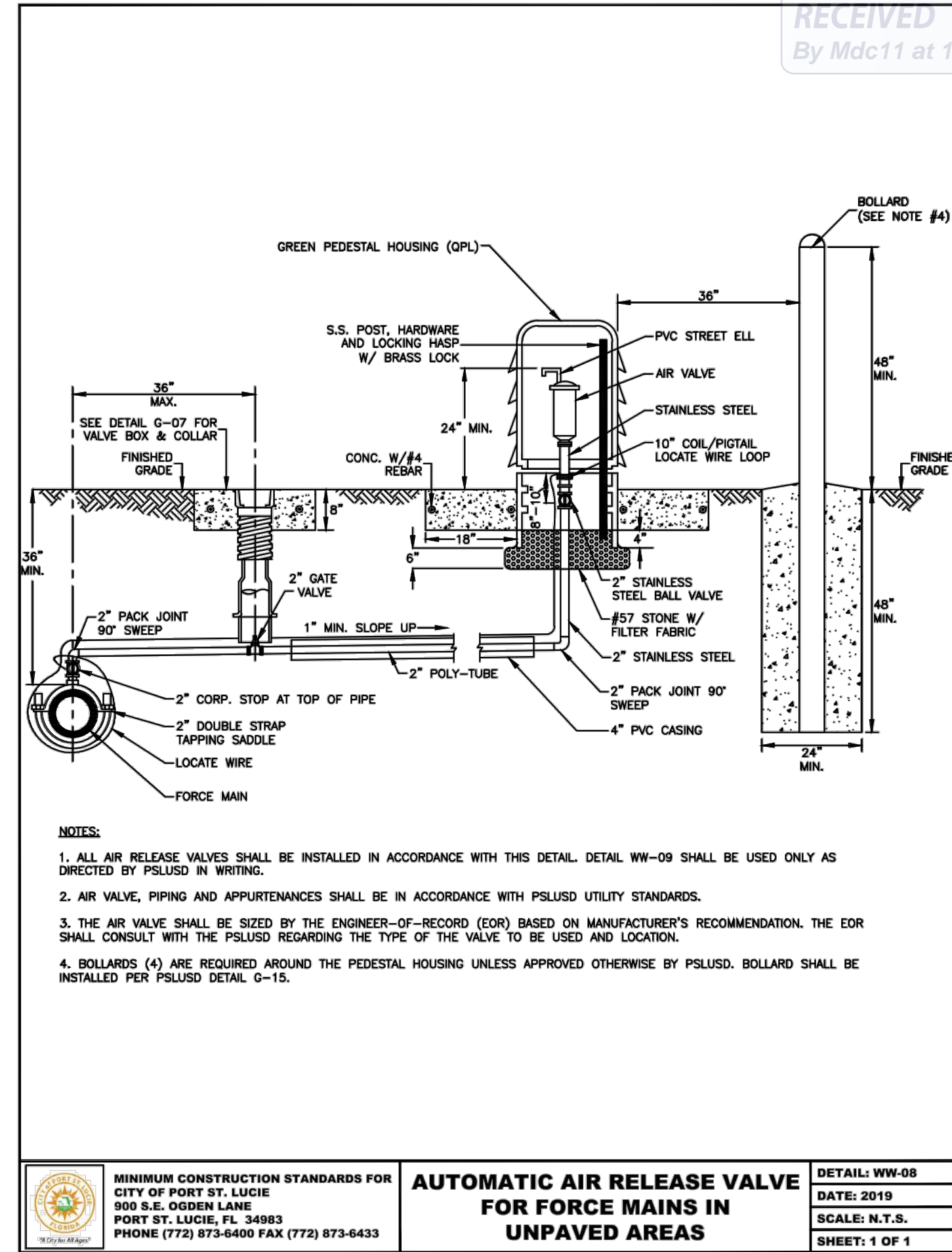
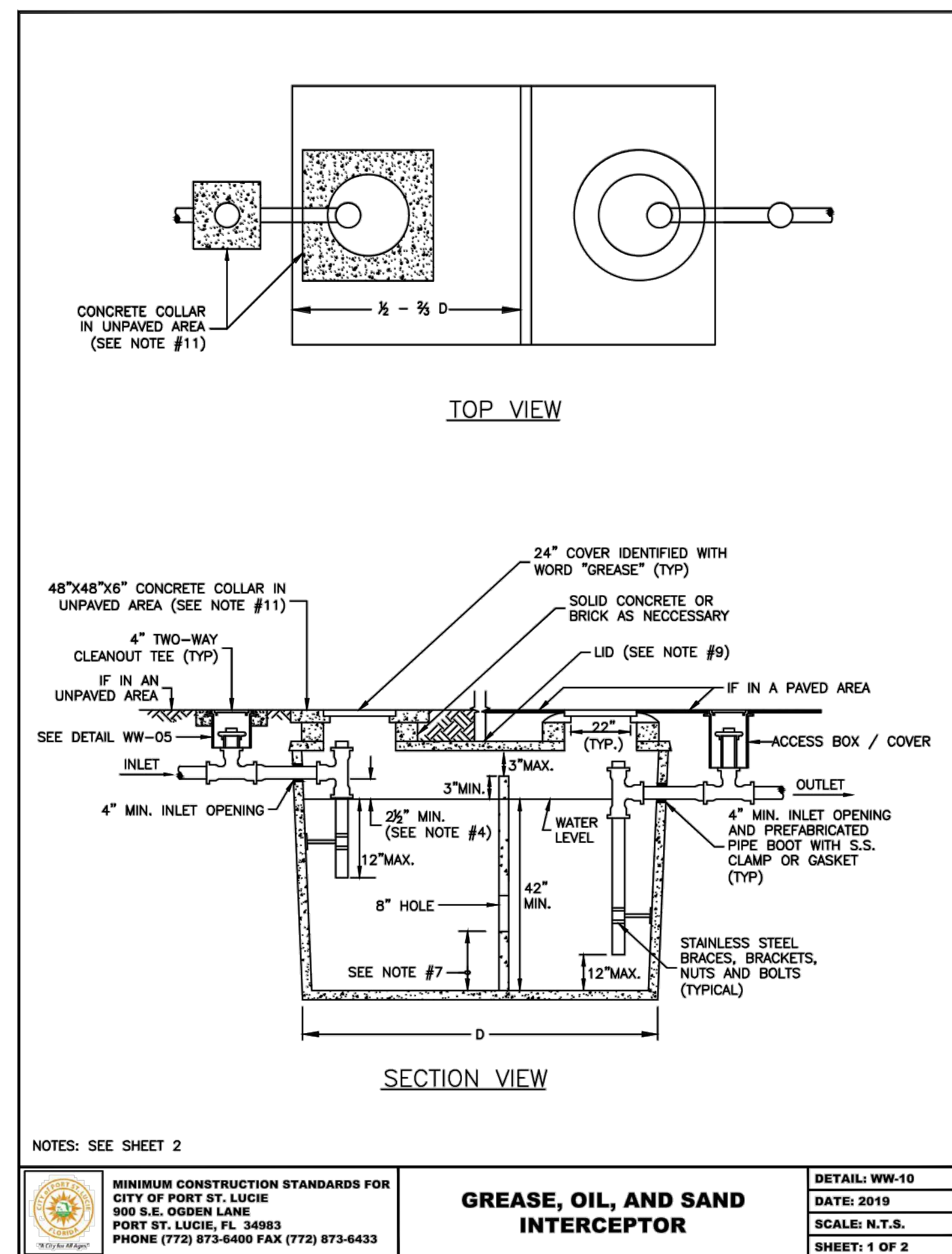
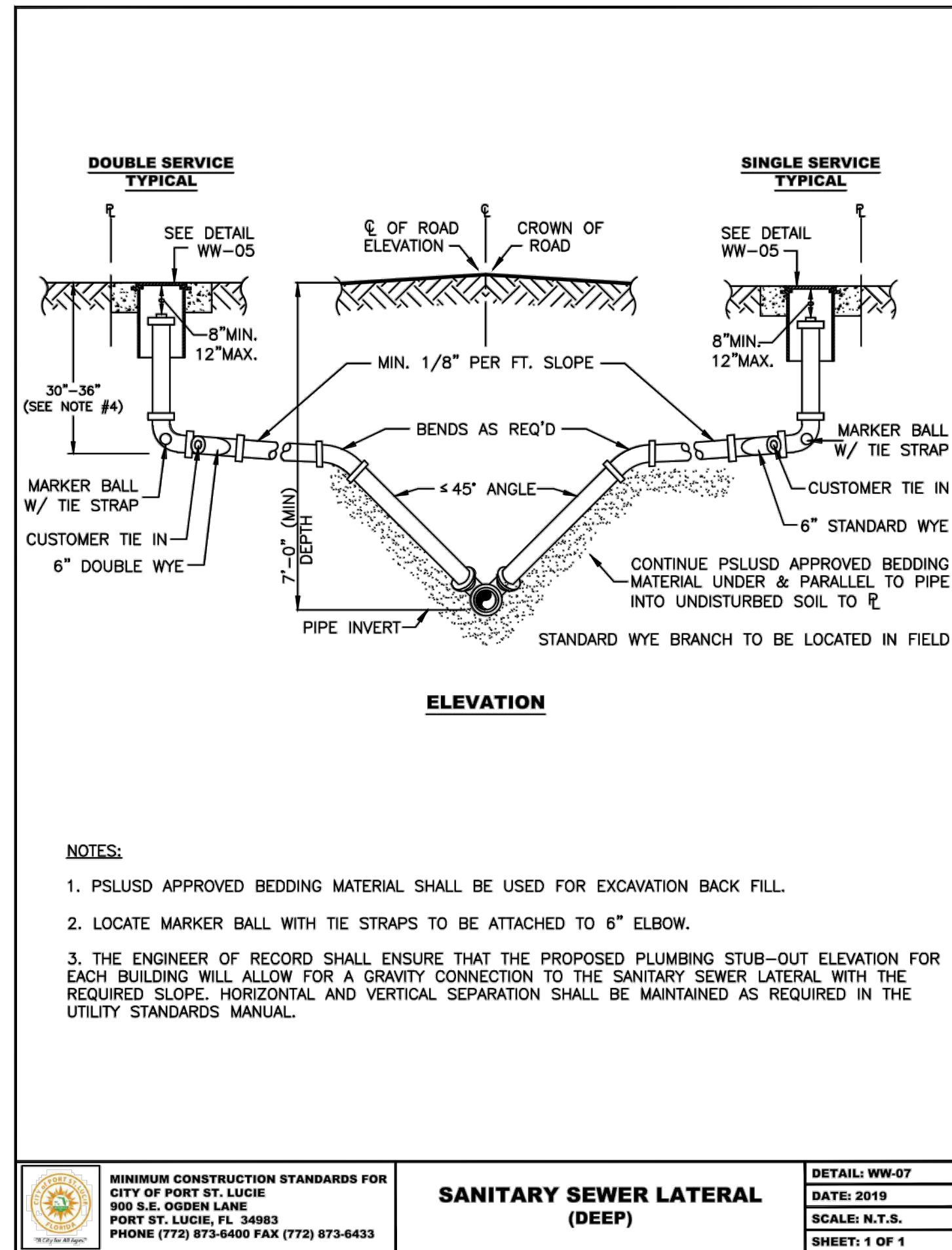
THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTORS SHOULD INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE.

VERTICAL DATUM
 ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1888 (NAVD 88). SUBTRACT 1.857 FROM NAVD 88 ELEVATION TO GET THE NAVD 83 ELEVATION.

| | |
|----------------------------------|---------|
| CITY OF PORT ST. LUCIE PROJECT # | P21-239 |
| PSLUSD PROJECT # | 5211E |

SHEET NUMBER
C-432

Plotted By: Anderson, Sarah - Sheet Set: 147842000 - The Shoppes at the Heart of Tradition - LUCIE UTILITY DETAILS - 433 - CITY OF PORT ST. LUCIE UTILITY DETAILS - May 16, 2023 03:34:50pm - k: VRRB - LDEV - 147842000 - banyan.psl\CAD\plansheets\C-433 - CITY OF PORT ST. LUCIE UTILITY DETAILS - 147842000.dwg
 This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTORS SHOULD INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE.
 VERTICAL DATUM
 ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). SUBTRACT 1.07 FROM NAVD 29 ELEVATION TO GET THE NAVD 88 ELEVATION.

811
 Know what's below.
 Call before you dig.
 CITY OF PORT ST. LUCIE PROJECT # P21-239
 PSLUSD PROJECT # 5211E

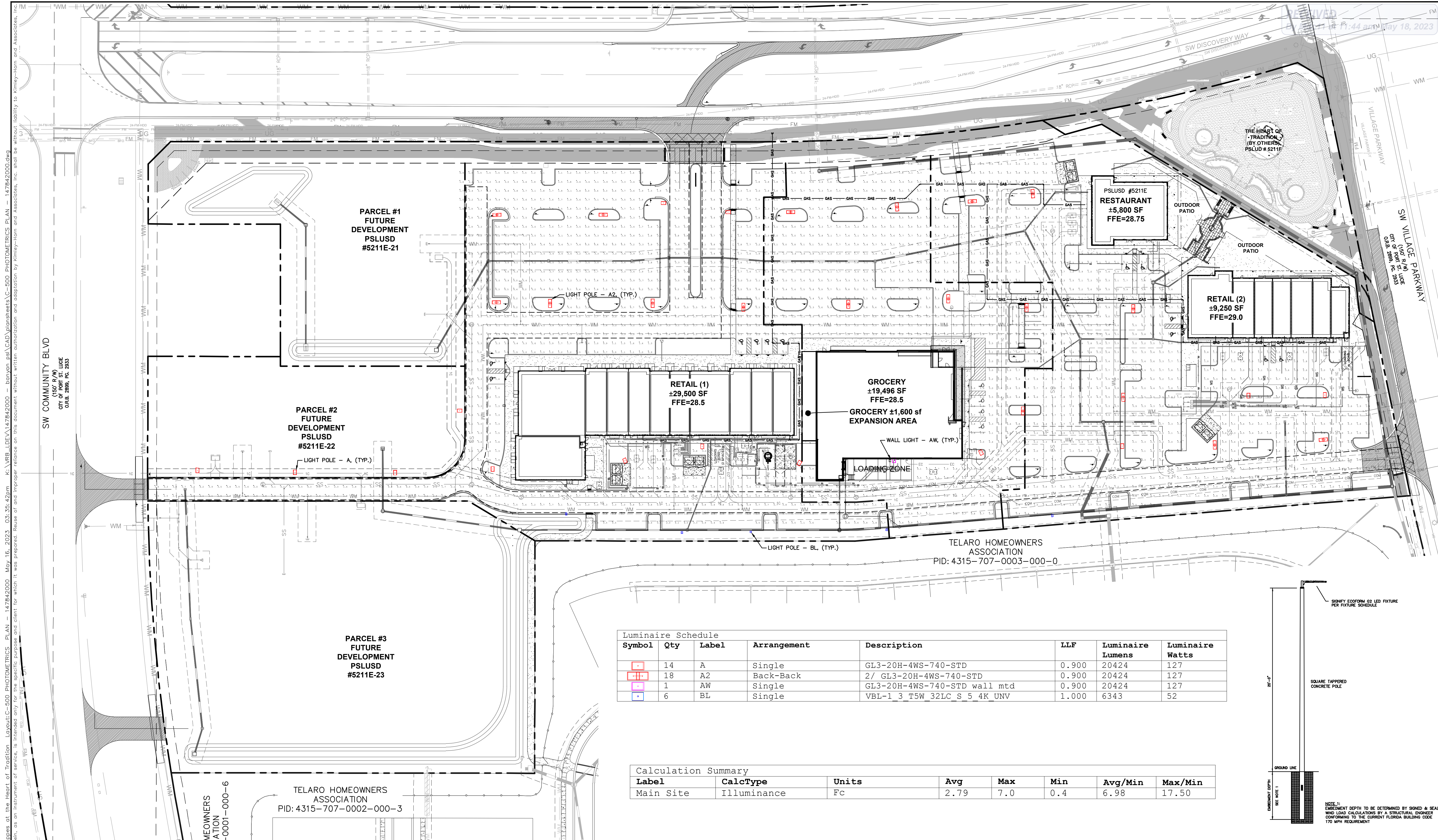
Kimley»Horn
 © 2023 KIMLEY-HORN AND ASSOCIATES, INC.
 445 24TH STREET, SUITE 200, VERO BEACH, FL 32960
 PHONE: 772-794-4100
 WWW.KIMLEY-HORN.COM REGISTERED NO. 35106

CITY OF PORT ST. LUCIE UTILITY DETAILS

THE SHOPPES AT THE HEART OF TRADITION FOR BANYAN DEVELOPMENT
 SAINT LUCIE COUNTY FLORIDA

SHEET NUMBER
C-433

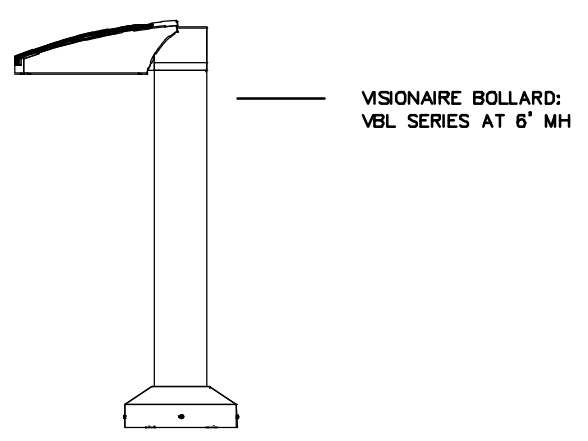
| | | | |
|-----|-----------|------|----|
| NO. | REVISIONS | DATE | BY |
| | | | |



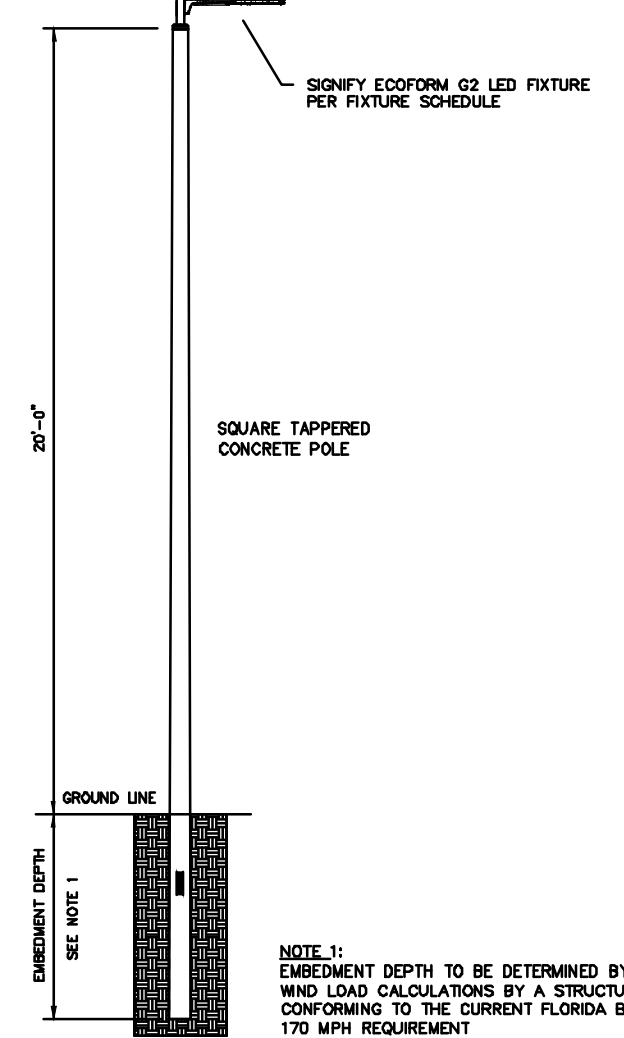
| Symbol | Qty | Label | Arrangement | Description | LLF | Luminaire Lumens | Luminaire Watts |
|----------|-----|-------|-------------|------------------------------|-------|------------------|-----------------|
| [Symbol] | 14 | A | Single | GL3-20H-4WS-740-STD | 0.900 | 20424 | 127 |
| [Symbol] | 18 | A2 | Back-Back | 2/ GL3-20H-4WS-740-STD | 0.900 | 20424 | 127 |
| [Symbol] | 1 | AW | Single | GL3-20H-4WS-740-STD wall mtd | 0.900 | 20424 | 127 |
| [Symbol] | 6 | BL | Single | VBL-1 3 T5W 32LC S 5 4K UNV | 1.000 | 6343 | 52 |

| Label | CalcType | Units | Avg | Max | Min | Avg/Min | Max/Min |
|-----------|-------------|-------|------|-----|-----|---------|---------|
| Main Site | Illuminance | Fc | 2.79 | 7.0 | 0.4 | 6.98 | 17.50 |

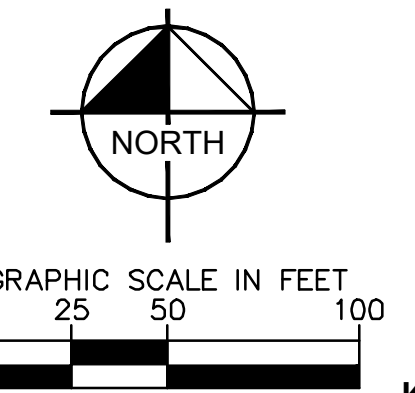
NOTES:
 1. ALL PSLUD PIPES SHALL HAVE A MINIMUM HORIZONTAL SEPARATION 5' FROM ALL OTHER UNDERGROUND UTILITIES INCLUDING LIGHT POLES AND A VERTICAL SEPARATION OF AT LEAST 18" INCLUDING FOOTERS.



BOLLARD TYPE: BL



POLE TYPE: A, A2, AW



THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTORS SHOULD INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE.
 VERTICAL DATUM: ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). SUBTRACT 1.57' FROM NAVD 29 ELEVATION TO GET THE NAVD 88 ELEVATION.

CITY OF PORT ST. LUCIE PROJECT # P21-239
 PSLUD PROJECT # 5211E

Plotted By: Anderson, Sarah - Sheet Set: 147842000 - The Shoppes at the Heart of Tradition - Layout: C-500 PHOTOMETRICS PLAN - 147842000.dwg
 This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

DATE: 8/18/2021

SCALE: AS SHOWN

DRAWN BY: DFD

CHECKED BY: C/JH

NO. _____

REVISIONS _____

DATE _____

BY _____

Kimley»Horn

© 2023 KIMLEY-HORN AND ASSOCIATES, INC.
 445 24TH STREET, SUITE 200, VERO BEACH, FL 32960
 PHONE: 772-794-4100
 WWW.KIMLEY-HORN.COM

CHRISTOPHER J. HOLLEN

No. 74685

STATE OF FLORIDA

PROFESSIONAL ENGINEER

KHA PROJECT: 147842000

DATE: 8/18/2021

SCALE: AS SHOWN

DRAWN BY: DFD

CHECKED BY: C/JH

DATE: 8/18/2021

SCALE: AS SHOWN

DRAWN BY: DFD

CHECKED BY: C/JH

PHOTOMETRICS PLAN

FLORIDA

THE SHOPPES AT THE HEART OF TRADITION FOR BANYAN DEVELOPMENT

SAINT LUCIE COUNTY

SHEET NUMBER C-500

Plotted By: Anderson, Sarah - Sheet Set: 147842000 - The Shoppes at the Heart of Tradition - Layout: C-501 - PHOTOMETRICS - DETAILS - 147842000 - February 23, 2023 - 04:54:49pm - K:\VRB-LEVA\147842000 - Banyan_PSL_VCAD_PlanSheets\C-500 PHOTOMETRICS PLAN - 147842000.dwg
 This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Control Number: BOLLARDS-VBL-1-06_17_2022

V-Bollard LED Specifications



**TYPE BL = QTY (6)
NON-FPL PRODUCT**

Project Name: _____

Catalog Number: _____

Type: _____

The new **V-Bollard LED** Series continues the unique contemporary design inspired by the sleek styling of the V-Collection. Separating the Driver(s) from the individual cast aluminum LED Array engines: optimize the life of the LEDs and the Driver(s); and maximizes the lumen output of the fixture.

The LED light assemblies come in multiples of 16, 32 or 48 LEDs per single fixture, and 64 or 96 LED Arrays in a double fixture configuration.

Six optical distribution patterns are available. Choose between 3000, 4000 or 5000 Kelvin temperature of the LED's.

A durable polyester powdercoat finish is guaranteed for five years; and is available in standard or custom colors.

The **V-Bollard LED** series is an exceptional choice for low level or pedestrian scale lighting applications.

Ordering Information

| MODEL | HEIGHT | OPTICS | SOURCE | CONFIG. | CURRENT | KELVIN | VOLTAGE | MOUNTING | FINISH | OPTIONS |
|--------------|------------------------|---------------------------|-------------|---------------------------------|--|--------------------|------------------------|--|-------------------------------|--|
| VBL-1 | 3 36" | T1 Type 1 | 16LC | S Single | 3 350mA | 3K 3000K | UNV 120-277V | AB Anchor Base (ANCHOR BOLT WITH INSUL.) | BZ Bronze | PC-120 Button Type Photocell |
| | 3.5 42" | T2 Type 2 | 32LC | | 5 530mA | 4K 4000K | 8 347V | | BK Black | PC-208 Button Type Photocell |
| | 6 72" | T3 Type 3 | 48LC | D Double | 7 700mA | 5K 5000K | 5 480V | | SBK Smooth Black | PC-240 Button Type Photocell |
| | | T4 Type 4 | 32LC | | 10 1000mA | | | | WH White | PC-240 Button Type Photocell |
| | | T5 Type 5 | 64LC | | | | | | SWH Smooth White | PC-277 Button Type Photocell |
| | | T5W Type 5 Wide | 96LC | Double configuration only | 1000mA not available for 48LC single or 96LC double | | | | GP Graphite | DIM 0-10V Dimming Driver |
| | | | | | | | | | GY Grey | ZFP Zinc-Free Primer |
| | | | | | | | | | SL Silver Metallic | GFI GFI Receptacle *Standard location in hand hole |
| | | | | | | | | | CC Custom Color | TBD |



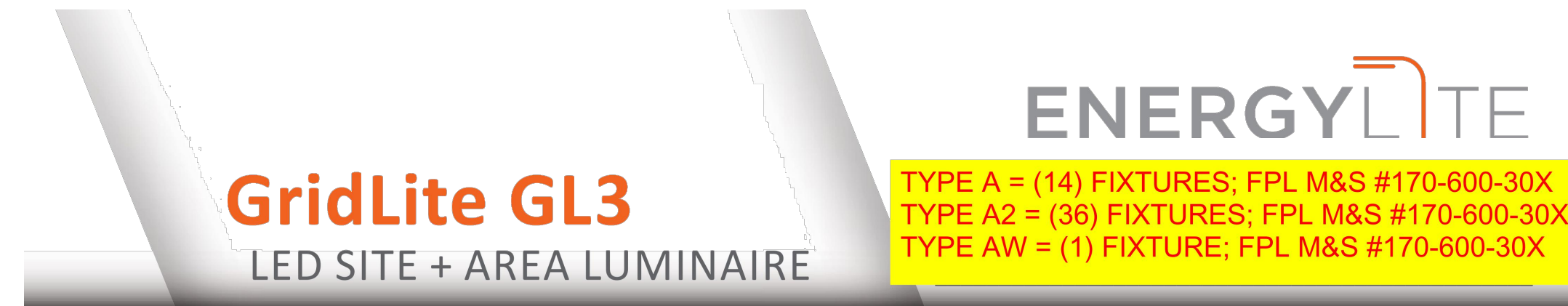
620

VL-PA-ING-001-F37

REV. 0

CRCABR22-03

**MASON
Development
& Construction
Bid Set**



GridLite GL3 LED SITE + AREA LUMINAIRE

**TYPE A = (14) FIXTURES; FPL M&S #170-600-30X
TYPE A2 = (36) FIXTURES; FPL M&S #170-600-30X
TYPE AW = (1) FIXTURE; FPL M&S #170-600-30X**

QUICK FACTS

CONSTRUCTION

- Die-cast, low-copper aluminum alloy housing for optimal thermal performance and exceptional corrosion resistance
- 100% recycled aluminum

FINISH

- TGIC polyester super-durable powder coating with superior gloss, color retention and weather resistance
- Standard finishes provided at 3 mil nominal thickness, salt-spray-tested to 3,000 hours as per ASTM B117
- For marine-grade finish, consult factory. Provided at 5 mil nominal thickness, salt-spray-tested to 4,000 hours as per ASTM B117

ELECTRICAL

- 120-277 V Standard; 277-480 V option available
- PF>0.9, THD<20%
- Parallel surge protection: enhanced 10kV standard, extreme 20kV optional (ANSI C136.2-2015)
- For series surge protection, consult factory
- Rated for operation -40°C to 40°C
- For 50°C option, consult factory

OPTICS + PERFORMANCE

- Up to 165 lumens per watt
- 12,000- to 41,000-lumen packages (82-342 W)
- 5 customized distributions available
- Type II Roadway Medium (Coefficient of Utilization: 0.793)
- Type III Roadway Medium (Coefficient of Utilization: 0.852)
- Type IV Wide Short (Coefficient of Utilization: 0.840)
- Type V Square Short
- Type V Square Medium
- Multiple shielding options available

CONTROLS

- 0-10 V dimming standard
- DALI-2 dimming option available
- Receptacle options:
 - ANSI C136.41 3-pin
 - ANSI C136.41 7-pin (for DALI-2 or 0-10 V dimming)
- Zhaga Book 18 (for next generation ambient light/motion sensing)
- Motion sensor option available – bi-level setting standard with low point of 50% and a 15-minute delay

MOUNTING

- Extended site arm offers universal mounting, allowing for retrofit without drilling into existing poles
- All mounting options allow for multiple fixture installations at 90°
- Wall-mount and round pole adapters available for extended site arm

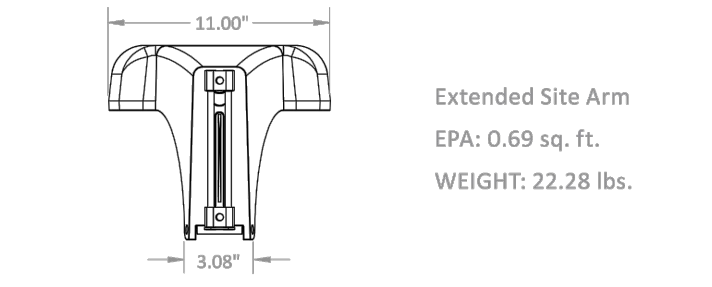
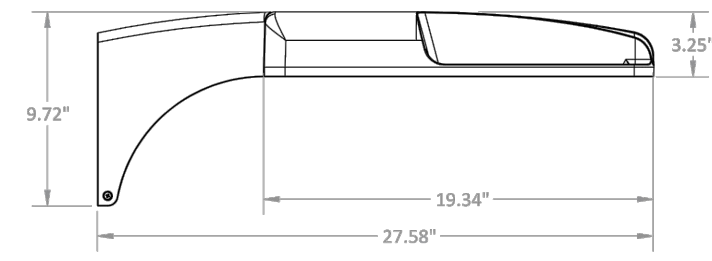
LISTINGS

- IDA Dark Sky Friendly $s3000K$, extended site arm or horizontal tenon
- IP66-rated optical and electrical chambers
- 3G Vibration-rated (ANSI C136.31)
- cULus Listed for wet locations (E487976)
- DLC – DLC Premium listings (Family code: JJJ0YL)
- Zhaga D4i listed
- ANSI C136.15 labeling available
- BAA Compliance available; *Consult factory to confirm specific fixture code is compliant if this is a requirement
- Designed and assembled in U.S.A.

WARRANTY

- 10-year warranty

DIMENSIONS



Extended Site Arm
EPA: 0.69 sq. ft.
WEIGHT: 22.28 lbs.



ORDERING INFORMATION

Example: GL3/Z0H/ZRM/830/STD/10/1PS/30/SBZ/ES/HSS-PCL10

| Feature | Distribution | CRB + CCT | Voltage | Controls | Surge | Mounting | Options + Accessories |
|-----------------------------|---|--|---|--------------------|---|---|---|
| GL3 | 21RM - Type II Roadway Medium 3RM - Type III Roadway Medium 4WS - Type IV Wide Short SQS - Type V Square Short TSQ - Type V Square Medium | 750 - 70+ CR, 5000K 760 - 70+ CR, 4000K 727 - 70+ CR, 2700K | 300 - 120-277V 310 - 277-480V HVL - 277-480V | DM - DALI-2 | 1PS - 10kV/5kA, 120-277V 2PS - 20kV/10kA, 120-277V 2PH - 20kV/10kA, 277-480V | ES - Extended Site Arm HT - Horizontal Tenon KM - Knuckle Mount KMS - Knuckle Mount with 6" side entry pigtail ES-WM - Extended Site Arm with Wall-Mount ES-RP - Extended Site Arm with Round Pole | MSP - House Side Shield CSS - Cut-de-sac Shield FSS - Front Side Shield SS - Scoop Shield ALB - ANSI C136.15 Labeling MS - Motion Sensor (up to 20' height) MH - Motion Sensor (up to 40' height) ZT1 - 0-10 V Zhaga Ambient Light Control (ALC) ZT3 - 0-10 V Zhaga IR + ALC ZT4 - 0-10 V Zhaga Occupancy + IR + ALC SC - Shorting Cap PCL01 - 120-277 V Photocell, 640L, IP65; Blue PCL02 - 120-277 V Photocell, 1280L, IP65; Blue PCL03 - 347-480 V Photocell, 1280L, IP65; Yellow PCL04 - Midnight dimming, 347-480 V Photocell, 1020L, IP65; Brown |
| Package | 12L - 12,000 lm; 82 W 15L - 15,000 lm; 108 W 17L - 17,000 lm; 127 W 18H - 18,000 lm; 114 W 23H - 23,000 lm; 151 W 26H - 26,000 lm; 173 W 29H - 29,000 lm; 188 W 30H - 30,000 lm; 194 W 33H - 33,000 lm; 239 W 35H - 35,000 lm; 261 W 37H - 37,000 lm; 278 W 40H - 40,000 lm; 325 W | | | | | Finish SBZ - Bronze (RAL8019) SWH - White (RAL9003) SQY - Grey (RAL7038) SBK - Black (RAL9017) | |
| Photocell Receptacle | | | | | | FPL COLORS MBK = BLACK MBZ = BRONZE | |

* Consult factory for lead time and availability.
 † Standard offering. Consult factory for lead time and availability for other options.
 ‡ Marine-grade finish options available. Consult factory.
 ‡ High-voltage (HVL) plus 0-10 V (10) combination option unavailable with Zhaga photocell receptacles.
 ‡ High-voltage (HVL) plus DALI-2 (DA) combination available only with 12-LTL and 18H-23H performance packages.
 ‡ Flat-black, injection-molded plastic resin, tool-less, clip-on discrete shield.
 ‡ HSS not compatible with 4WS optics, instead use SS.



Solais + EnergyLite | 8655 Corporate Drive, Suite 100 | Frisco, TX 75033 | 469.294.1516
 ©Solais Lighting, LLC | All rights reserved | www.solais.com | GL-08/2022

1/6



Know what's below.
Call before you dig.

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE.

VERTICAL DATUM
ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). SUBTRACT 1.50' FROM NGVD 29 ELEVATION TO GET THE NAVD 88 ELEVATION.

CITY OF PORT ST. LUCIE PROJECT # P21-239
PSLUSD PROJECT # 5211E

Kimley»Horn
 © 2023 KIMLEY-HORN AND ASSOCIATES, INC.
 445 24TH STREET, SUITE 200, VERO BEACH, FL 32960
 PHONE: 772-794-4100
 WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

LICENSED PROFESSIONAL
 CHRISTOPHER J. HOLLEN, P.E.
 FLORIDA LICENSE NUMBER
 74685

KHA PROJECT
 147842000
 DATE
 8/18/2021
 SCALE AS SHOWN
 DESIGNED BY DFD
 DRAWN BY DFD
 CHECKED BY C/JH DATE:

**PHOTOMETRICS
DETAILS**

THE SHOPPES AT THE
HEART OF TRADITION
FOR
BANYAN DEVELOPMENT
SAINT LUCIE COUNTY
FLORIDA

SHEET NUMBER
C-501

| No. | REVISIONS | DATE | BY |
|-----|-----------|------|----|
| | | | |