

# CITY of TAMPA

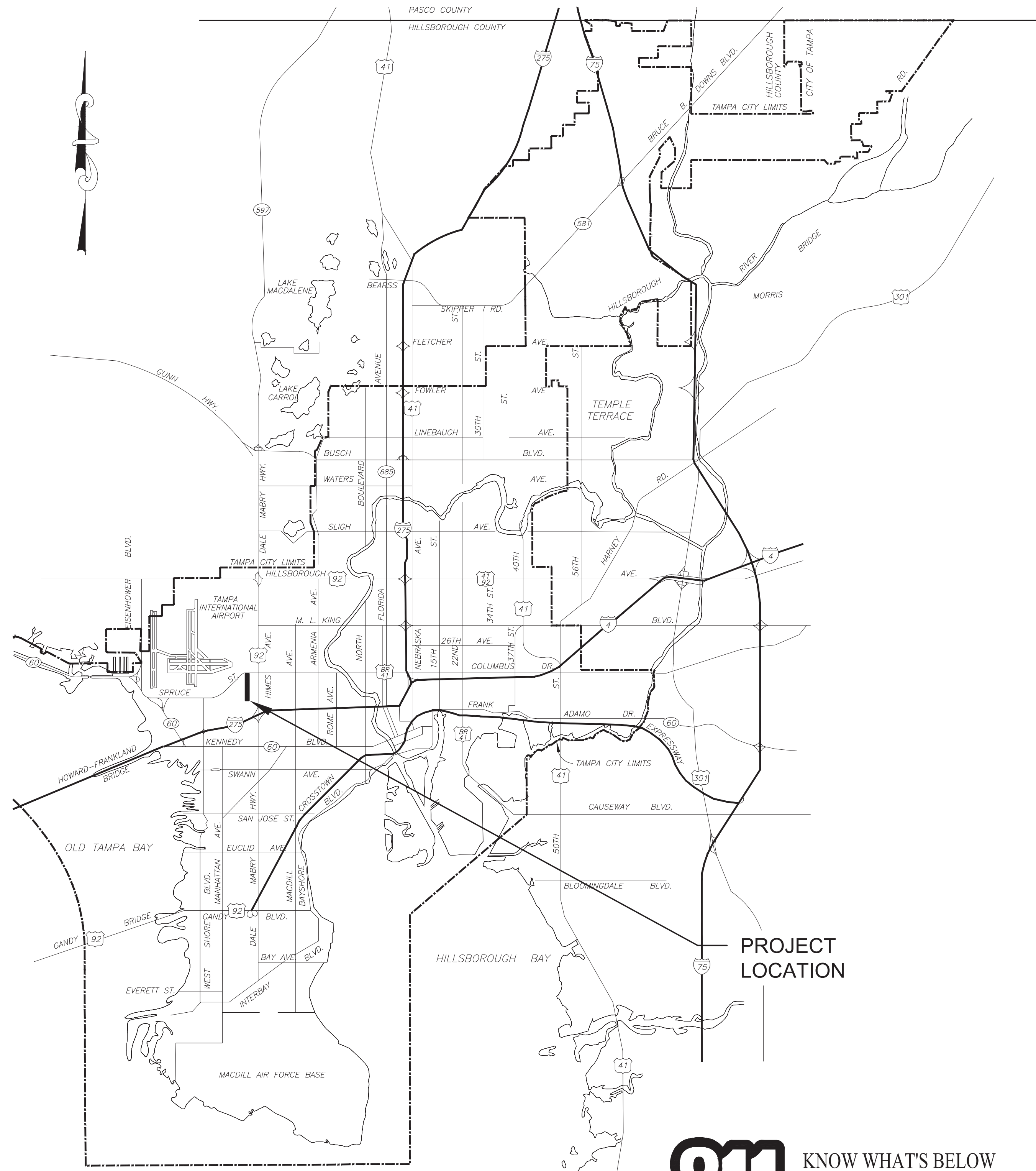


## MOBILITY DEPARTMENT STORMWATER ENGINEERING DIVISION

PLANS FOR

### GRADY AVE DRAINAGE IMPROVEMENTS

24-C-00041; Ditch Rehabilitation – Grady Avenue & 43rd Street-REBID




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No.	DATE	REVISIONS	No.	DATE	REVISIONS

DES: CTM  
DRN: CTM  
CKD: TLW  
DATE: 07/05/23

CITY of TAMPA  
Mobility Department  
Stormwater Engineering Division

GRADY AVE DRAINAGE IMPROVEMENTS  
COVER

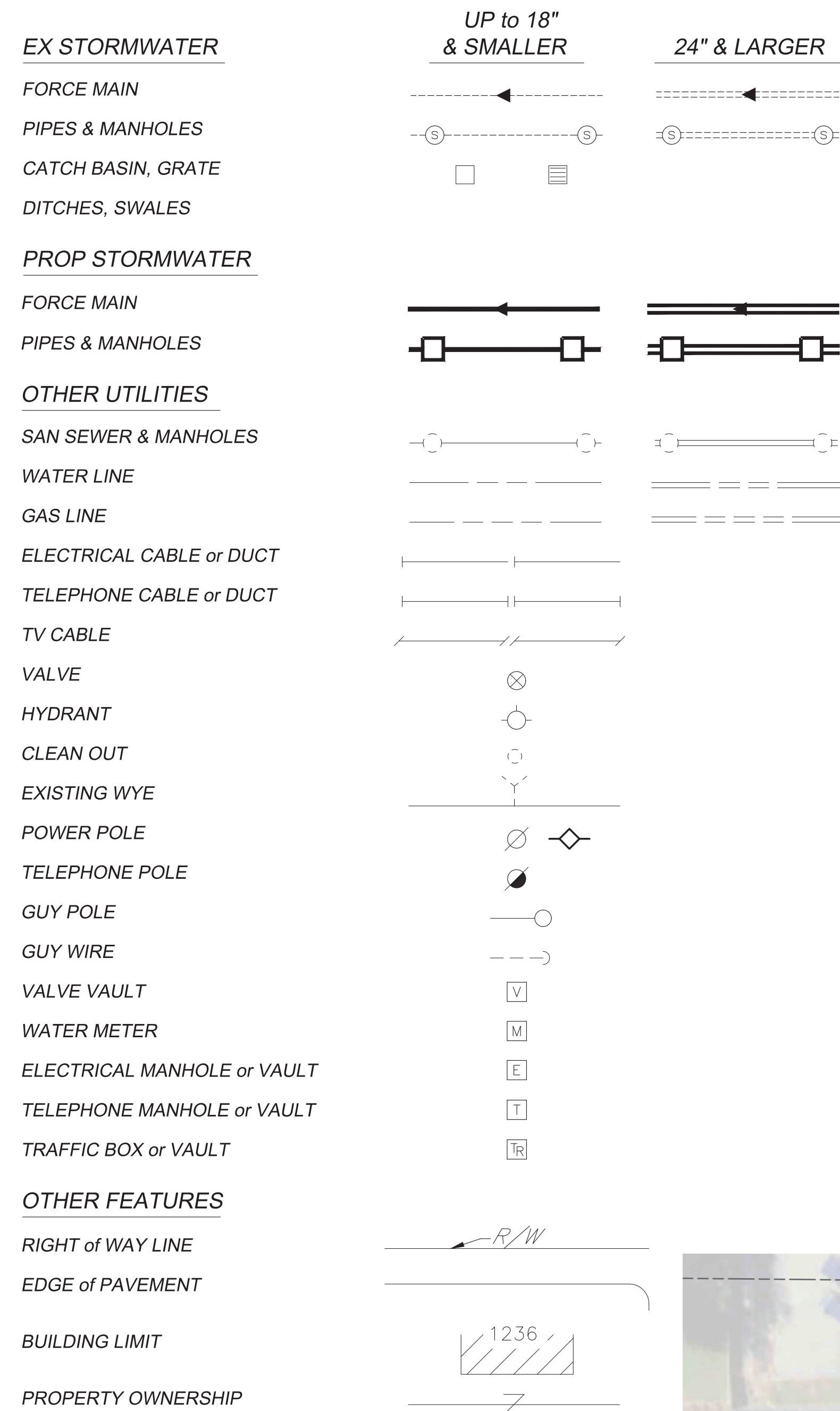
SHEET 1 OF 11

I:\2024\08\05\24\DRAINING\COVER\24-C-00041\COVER\24-C-00041-DWG 7:00:24 8:20 AM 7/6/2023 8:36 AM COLIN MILLER

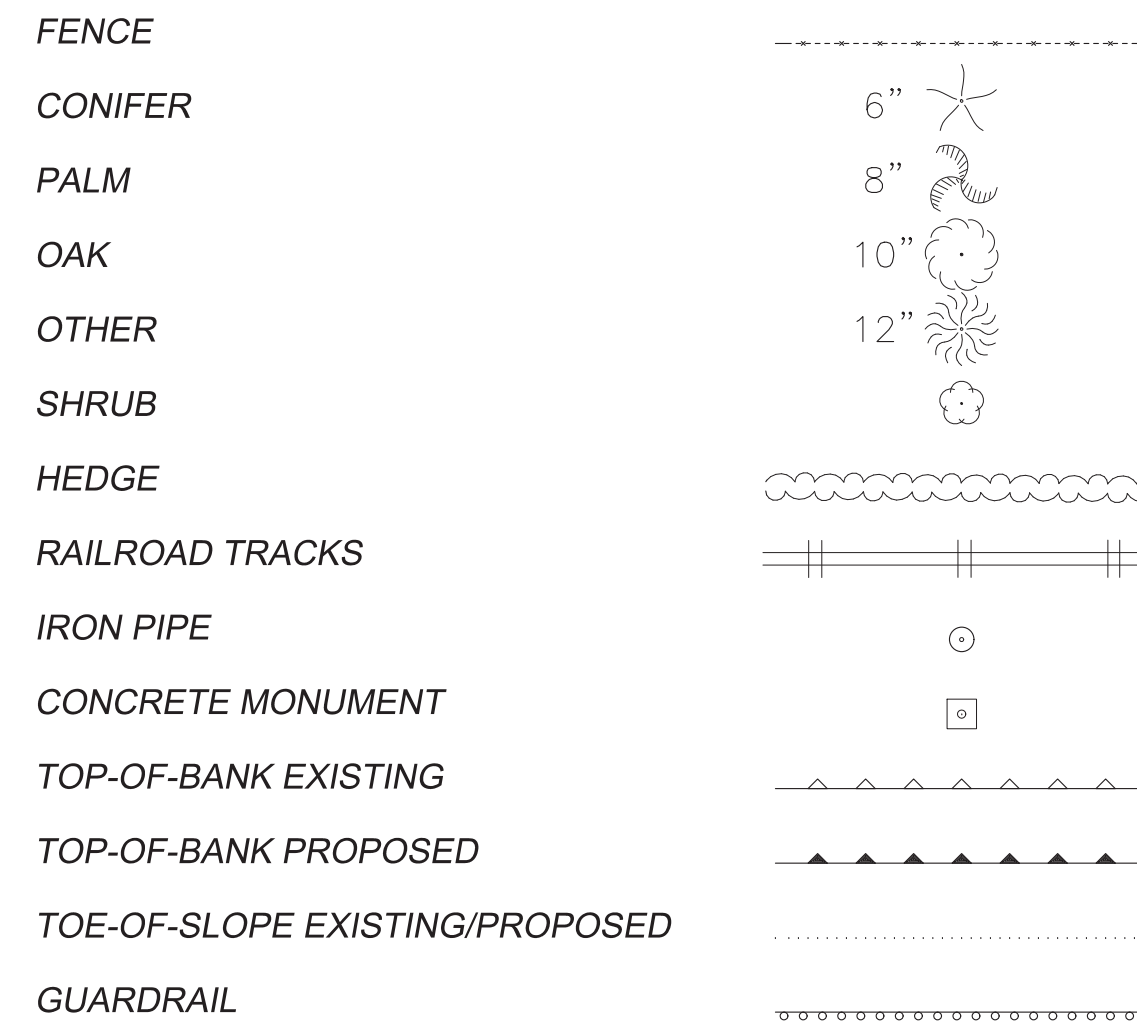
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TR1.1	TREE TABLES AND PROTECTION NOTES

LEGEND

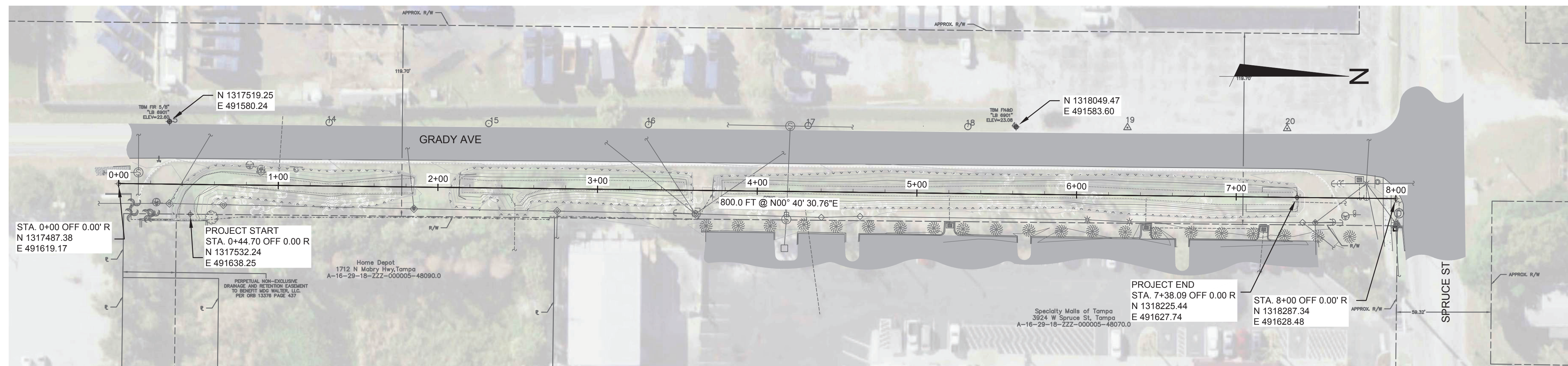


LEGEND



ABBREVIATIONS

TOP of PIPE	TP
INVERT ELEVATION	IE or INV EL
RIGHT of WAY	R/W
MANHOLE	MH
POLYVINYL CHLORIDE PIPE	PVCP
VITRIFIED CLAY PIPE	VCP
ADVANCED DRAINAGE SYSTEM	ADS
DUCTILE IRON PIPE	DIP
REINFORCED CONCRETE PIPE	RCP
CONCRETE PIPE	CP
APPROXIMATE LOCATION	AL
BENCH MARK	BM
POINT of INTERSECTION	PI



LOCATION MAP

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GRADY AVE DRAINAGE IMPROVEMENTS  
LEGEND, INDEX & LOCATION MAP

**GENERAL NOTES**

- ELEVATIONS BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1988.
- LOCATIONS, ELEVATIONS AND DIMENSIONS OF THE EXISTING UTILITIES, STRUCTURES AND OTHER FEATURES ARE SHOWN ACCORDING TO THE BEST INFORMATION AVAILABLE AT THE TIME OF THE PREPARATION OF THESE PLANS BUT DO NOT PURPORT TO BE ABSOLUTELY CORRECT. THE CONTRACTOR SHALL VERIFY THE LOCATIONS, ELEVATIONS, AND DIMENSIONS, OF ALL EXISTING UTILITIES, STRUCTURE, AND OTHER FEATURES AFFECTING HIS WORK PRIOR TO CONSTRUCTION. GAS, VERIZON, WATER MAIN, WATER SERVICES, SEWER LATERALS AND OTHER SUBSURFACE PIPING HAS NOT BEEN LOCATED. ENGINEER OF RECORD SHOWS LOCATIONS AS APPROXIMATE AS PROVIDED BY OTHERS.
- EXISTING UTILITIES AND TOPOGRAPHIC INFORMATION DENOTED BY UPPER AND LOWER CASE. PROPOSED WORK DENOTED BY ALL UPPER CASE.
- THE CONTRACTOR SHALL CALL SUNSHINE (1-800-432-4770) AT LEAST 72 HOURS PRIOR TO ANY CONSTRUCTION ACTIVITIES.
- WHEN IN CONFLICT, UTILITY POLES, GAS LINES, UNDERGROUND ELECTRIC, TELEPHONE AND OTHER COMMUNICATION CABLES AND CONDUIT WILL BE RELOCATED BY THE RESPECTIVE UTILITY OWNERS AT THEIR OWN EXPENSE.
- PRIOR TO ANY CONSTRUCTION, CONTACT TAMPA ELECTRIC COMPANY (PH: 813-228-4111 OR 813-275-3037) FOR EXACT LOCATION OF UNDERGROUND LINES. TECO TO RELOCATE ANY CONFLICTING LINES.
- PRIOR TO ANY CONSTRUCTION, CONTACT TECO GAS (813-275-3743) FOR EXACT LOCATION OF UNDERGROUND LINES. TECO GAS TO RELOCATE ANY CONFLICTING LINES.
- PRIOR TO ANY CONSTRUCTION, CONTACT VERIZON (813-978-2164) FOR EXACT LOCATION OF UNDERGROUND LINES. VERIZON TO RELOCATE ANY CONFLICTING LINES.
- STATIONS AND OFFSETS GIVEN ARE TO THE CENTER LINE OF THE INLETS AND MANHOLES, AND REFER TO THE CONSTRUCTION CENTER LINE (CONST CL).
- THE SOLID WASTE DEPARTMENT (813-348-1146) IS TO BE NOTIFIED PRIOR TO ANY STREET CLOSURES IN THE PROJECT AREA.
- TREE REMOVAL CONTRACTOR IS RESPONSIBLE FOR OBTAINING SITE CLEARING PERMIT PRIOR TO START OF ANY CONSTRUCTION.
- NECESSARY ROOT PRUNING AND TRIMMING OF BRANCHES SHALL BE DONE BY A CERTIFIED ARBORIST.
- THE CONTRACTOR SHALL COMPLY WITH THE PROVISIONS OF THE LATEST "TREE ORDINANCE" OF THE CITY OF TAMPA. THE CONTRACTOR IS REQUIRED TO RELOCATE THE TREES REMOVED AS A PART OF THE NECESSARY CONSTRUCTION INDICATED ON PLANS.
- SOD ALL THE DISTURBED AREAS WITHIN APPROVED TRENCH LIMITS.
- WHERE CONNECTIONS TO EXISTING DRIVES AND WALKS ARE NOT INDICATED ON THE PLANS, PROPER CONNECTIONS SHALL BE MADE AT THE DIRECTION OF THE ENGINEER.
- STREET SIGNS, STREET MARKERS AND R-O-W MARKERS SHALL BE REMOVED AND RELOCATED AS DIRECTED BY THE ENGINEER.
- MAILBOXES SHALL BE REMOVED AND REPLACED IN-KIND.
- DRIVEWAYS SHALL BE RECONSTRUCTED IN ACCORDANCE WITH CHAPTER 25 OF THE CITY CODE AND THE TRANSPORTATION TECHNICAL MANUAL. DEVIATION FROM ESTABLISHED STANDARDS SHALL BE APPROVED BY THE CITY TRAFFIC ENGINEER.
- THE CONTRACTOR SHALL PROTECT ALL TREES, NOT DESIGNATED FOR REMOVAL, IN THE VICINITY OF THE PROPOSED CONSTRUCTION IN ACCORDANCE WITH CHAPTER 13 OF THE CITY OF TAMPA CODE. NO TREES SHALL BE PRUNED WITHOUT PRIOR APPROVAL FROM THE CITY OF TAMPA PARKS & RECREATION DEPARTMENT, NATURAL RESOURCES DIVISION, AND SHALL BE COMPLETED BY A CERTIFIED ARBORIST. ROOT PRUNING MAY BE REQUIRED AT CERTAIN LOCATIONS AND SHALL BE COMPLETED IN ACCORDANCE WITH CHAPTER 13 TECHNICAL MANUAL SPECIFICATIONS.
- ALL CONSTRUCTION SHALL CONFORM TO THE APPLICABLE CITY OF TAMPA DEPARTMENT ORDINANCES AND REGULATIONS.
- THE CONTRACTOR SHALL MAINTAIN COPIES OF ALL APPLICABLE PERMITS ON-SITE AND SHALL BE RESPONSIBLE TO ADHERE TO ALL PERMIT CONDITIONS DURING CONSTRUCTION.
- CONTRACTOR SHALL SUBMIT SHOP DRAWINGS ON ALL PRECAST AND MANUFACTURED ITEMS TO THE ENGINEER FOR APPROVAL. FAILURE TO OBTAIN APPROVAL BEFORE INSTALLATION MAY RESULT IN REMOVAL AND REPLACEMENT AT CONTRACTOR'S EXPENSE.
- COMPACTION FOR PIPE BACKFILL SHALL COMPLY WITH AASHTO T-99 (100%).

**SITE NOTES**

- ALL DESIGN AND CONSTRUCTION MUST CONFORM TO THE MINIMUM STANDARDS SET DOWN IN CITY OF TAMPA STORMWATER TECHNICAL MANUAL, LATEST VERSION.
- ALL RIGHT-OF-WAY INSTALLATIONS MUST COMPLY WITH THE CITY OF TAMPA STANDARDS AND TECHNICAL MANUALS.
- IN AREAS WHERE FILL MATERIAL IS REQUIRED, BUT THERE IS NO PROPOSED STRUCTURE, THE EXISTING VEGETATION AND ROOTS SHALL BE REMOVED PRIOR TO PLACING ANY FILL MATERIAL. THE FILL SHALL BE PLACED IN LIFTS NO GREATER THAN 12 INCHES AS MEASURED LOOSE, AND COMPACTED TO A UNIFORM DENSITY ASTM D698 (80%). THE MATERIAL SHALL BE COMPACTED AT A MOISTURE CONTENT PERMITTING THE SPECIFIED COMPACTION. THE FILL SHALL BE TESTED BY THE CITY OF TAMPA THROUGH THE CITY INSPECTOR AND THE RESULTS SUPPLIED TO THE ENGINEER.
- THE CONTRACTOR SHALL CONTACT THE ENGINEER'S OFFICE IMMEDIATELY ON ANY CONFLICTS ARISING DURING CONSTRUCTION OF ANY IMPROVEMENTS SHOWN ON THESE DRAWINGS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONSULT WITH THE ENGINEER FOR MAKING ANY AND ALL REQUIRED INTERPRETATIONS OF THE PLANS. HOWEVER, THIS IN NO WAY RELIEVES THE CONTRACTOR OF HIS RESPONSIBILITY FOR CONSTRUCTING THE PROJECT TO ACCOMPLISH THE INTENT OF THE PLANS.
- REPAIR AND REPLACEMENT OF ALL PRIVATE AND PUBLIC PROPERTY AFFECTED BY THIS WORK SHALL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN EXISTING BEFORE COMPLETING CONSTRUCTION UNLESS SPECIFICALLY EXEMPTED BY THE PLANS.
- EROSION/SEDIMENTATION CONTROL: THE CONTRACTOR IS TO PROVIDE EROSION CONTROL/SEDIMENTATION BARRIER (HAY BALES OR SILTATION CURTAIN), IF REQUIRED TO PREVENT SILTATION OF ADJACENT PROPERTY, STREETS, STORM SEWERS AND WATERWAYS. IN ADDITION, THE CONTRACTOR SHALL PLACE STRAW, MULCH OR OTHER SUITABLE MATERIAL ON THE GROUND, AS REQUIRED, IN AREAS WHERE CONSTRUCTION RELATED TRAFFIC IS TO ENTER AND EXIT THE SITE. IF, IN THE OPINION OF THE ENGINEER AND/OR LOCAL AUTHORITIES, EXCESSIVE QUANTITIES OF EARTH ARE TRANSPORTED OFF-SITE, EITHER BY NATURAL DRAINAGE OR BY VEHICLE TRAFFIC, THE CONTRACTOR IS TO REMOVE AND CLEAN SAID EARTH TO THE SATISFACTION OF THE ENGINEER AND/OR LOCAL AUTHORITIES AT NO ADDITIONAL COST.
- CONTRACTOR SHALL SPRINKLE OR OTHERWISE APPLY WATER TO AFFECTED CONSTRUCTION AREA TO CONTROL BOTH SIGNIFICANT WIND EROSION OR FUGITIVE DUST.

- CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS. PORTLAND CEMENT SHALL CONFORM TO ASTM C150. AGGREGATE SHALL CONFORM TO ASTM C33. READY MIXED CONCRETE SHALL CONFORM TO ASTM C-04. SUBSURFACE SHALL BE FREE FROM TROWEL OR MACHINE MARKS. SURFACE VARIATIONS SHALL NOT EXCEED 1/4 INCH UNDER TEN-FOOT (10') STRAIGHT EDGE.
- ALL GRADING OF SIDEWALKS AND PEDESTRIAN WALKWAYS SHALL MEET MINIMUM 'ADA' STANDARDS. SIDEWALK CROSS SLOPES AND DRIVEWAY CROSSINGS FOR SIDEWALKS TO BE 2.0% MAX. SLOPE. ALL SIDEWALK RUNNING SLOPES SHALL NOT EXCEED 5% WITHOUT USE OF PROPER RAMPS FOR FDOT OR FLORIDA BUILDING CODE. CONTRACTOR SHALL FIELD-VERIFY SIDEWALK FORM BOARDS PRIOR TO CONSTRUCTING WALKWAYS.
- ALL INLET GRATE SEATS SHALL BE GALVANIZED GRATE SEATS.

**CONSTRUCTION NOTES**

- PRICE FOR ALL REMOVAL, AS SHOWN ON THE PLANS OUTSIDE OF CONSTRUCTION EXCAVATION AREA, SHALL BE INCLUDED IN THE VARIOUS ITEMS OF THE STORMWATER UNIT PRICES.
- CONTRACTOR TO SOD DISTURBED AREA WITHIN THE PROJECT LIMITS WITH BAHIA SOD AND/OR LIKE KIND OF EXISTING SOD.
- CONTRACTOR TO RESTORE DISTURBED RESIDENTIAL YARDS WITHIN CONSTRUCTION LIMITS WITH BAHIA, ST. AUGUSTINE, AND/OR LIKE KIND OF SOD.
- CONTRACTOR SHALL RESTORE ALL NEIGHBORING RESIDENTIAL YARDS WITH LIKE KIND OF LANDSCAPING, MAILBOXES, WALK WAYS, DRIVEWAYS, ETC. EACH YARD SHALL BE RESTORED TO EXISTING CONDITIONS UP TO AND INCLUDING FROM BACK OF CURB TO RIGHT OF WAY LINE.
- CONTRACTOR TO PROTECT EXISTING IRRIGATION SYSTEMS AND ANY OTHER UTILITIES IN RESIDENTIAL YARDS WITHIN CONSTRUCTION LIMITS AND/OR RESTORE ANY DAMAGED SYSTEMS DURING CONSTRUCTION BACK TO EXISTING CONDITIONS.
- CONTRACTOR TO PROTECT EXISTING PRIVATE FENCES DURING CONSTRUCTION OR REPLACE IN LIKE KIND.
- CONTRACTOR TO PROTECT THE EXISTING CONDUIT THAT IS TO REMAIN.
- ALL REMOVAL WITHIN PROPOSED EXCAVATION AREAS IS PART OF PIPE & DITCH CONSTRUCTION.
- CONTRACTOR TO PROTECT ALL POWER POLES & SUBSURFACE UTILITIES. IN THE EVENT OF A CONFLICT THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY PROVIDER RESPONSIBLE FOR THE RELOCATION.
- ALL RCP PIPES SHALL BE CLASS III WITH MINIMUM COVER OF 18". ALL RCP PIPES WITH LESS THAN 18" OF COVER ON RESIDENTIAL ROADS SHALL BE CLASS IV.
- CONCRETE STRUCTURES AND JUNCTION BOXES MAY BE PRECAST OR CAST IN PLACE.
- CONTRACTOR TO PROVIDE DEWATERING PLANS TO CITY PRIOR TO IMPLEMENTATION. THE DEWATERING PLAN SHOULD INCLUDE: 1. METHOD OF DEWATERING; 2. DISCHARGE POINT FOR GROUNDWATER; 3. TURBIDITY CONTROL METHODS; 4. PUMPING RATES/DURATION.

**SURVEY NOTES**

- NOT A BOUNDARY SURVEY. [TOPOGRAPHIC SURVEY DATA ONLY]
- THERE MAY BE ADDITIONAL EASEMENTS, RESERVATIONS, RESTRICTIONS AND/OR OTHER MATTERS OF RECORD AFFECTING THIS PROPERTY THAT ARE NOT SHOWN HEREON THAT MAY (OR MAY NOT) BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY. THE UNDERSIGNED HAS NOT PERFORMED AN INDEPENDENT SEARCH FOR ADDITIONAL RECORDS.
- THIS MAP IS INTENDED TO BE DISPLAYED AT A SCALE OF 1" = 20' OR SMALLER.
- THE PRINTED DIMENSIONS SHOWN ON THIS SURVEY SUPERSEDE ANY SCALED DIMENSIONS; THERE MAY BE ITEMS DRAWN OUT OF SCALE TO GRAPHICALLY SHOW THEIR LOCATION.
- "CERTIFICATION" IS UNDERSTOOD TO BE AN EXPRESSION OF PROFESSIONAL OPINION BY THE SURVEYOR AND MAPPER BASED ON THE SURVEYOR AND MAPPER'S KNOWLEDGE AND INFORMATION, AND THAT IT IS NOT A GUARANTEE OR WARRANTY, EXPRESSED OR IMPLIED.
- THIS SURVEY HAS BEEN EXCLUSIVELY PREPARED FOR THE NAMED ENTITIES SHOWN HEREON AND IS NOT TRANSFERABLE. NO OTHER PERSON OR ENTITY IS ENTITLED TO RELY UPON AND/OR RE-USE THIS SURVEY FOR ANY PURPOSE WITHOUT THE EXPRESSED, WRITTEN CONSENT OF GEORGE F. YOUNG, INC. AND THE UNDERSIGNED PROFESSIONAL SURVEYOR AND MAPPER.
- UNAUTHORIZED COPIES AND/OR REPRODUCTIONS VIA ANY MEDIUM OF THIS SURVEY OR ANY PORTIONS THEREOF ARE EXPRESSLY PROHIBITED WITHOUT THE WRITTEN CONSENT OF GEORGE F. YOUNG, INC. AND THE UNDERSIGNED PROFESSIONAL SURVEYOR AND MAPPER.
- ADDITIONS OR DELETIONS TO SURVEY MAPS OR REPORTS BY OTHER THAN THE SIGNING PARTY OR PARTIES ARE PROHIBITED WITHOUT WRITTEN CONSENT OF THE SIGNING PARTY OR PARTIES.
- THIS SURVEY IS VALID AS TO THE LAST DATE OF FIELD SURVEY AND NOT THE SIGNATURE DATE (IF ANY).
- THIS SURVEY MAP AND REPORT (IF APPLICABLE) OR THE COPIES THEREOF ARE NOT VALID WITHOUT THE ORIGINAL SIGNATURE AND SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.
- BEARINGS AND COORDINATES SHOWN HEREON ARE BASED ON FLORIDA STATE PLANE COORDINATE SYSTEM, WEST ZONE, AS REFERENCED TO THE NORTH AMERICAN DATUM OF 1983, ADJUSTMENT OF 2011, NAD83(2011) AND ARE SHOWN IN U.S. SURVEY FEET. CONTROL FOR THIS SURVEY WAS ESTABLISHED USING REAL TIME KINEMATIC-GLOBAL POSITIONING SYSTEM (RTK GPS) OBSERVATIONS WITH CORRECTION SIGNALS PROVIDED BY TRIMBLE VRS NOW, WITH SUBSEQUENT CHECKS TO PUBLISHED HORIZONTAL CONTROL.
- ELEVATIONS SHOWN ON THIS SURVEY ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). BENCHMARK USED: CITY OF TAMPA HV-02 0074 LOCATED AT THE SOUTHEAST CORNER OF GRADY AVENUE AND SPRUCE STREET, HAVING A PUBLISHED, ADJUSTED ELEVATION OF 24.071 FEET (NAVD 88). INFORMATION OBTAINED FROM THE CITY OF TAMPA.
- THIS SURVEY PREPARED WITHOUT THE BENEFIT OF A TITLE SEARCH. NO INSTRUMENTS OF RECORD REFLECTING OWNERSHIP, EASEMENTS OR RIGHTS OF WAY WERE FURNISHED TO THE UNDERSIGNED, UNLESS OTHERWISE SHOWN HEREON.
- NO INFORMATION ON ADJOINING PROPERTY OWNERS OR ADJOINING PROPERTY RECORDING INFORMATION WAS PROVIDED TO THE SURVEYOR.
- THIS SURVEY SHOWS VISIBLE, ABOVE GROUND FEATURES. NO UNDERGROUND FEATURES, INCLUDING BUT NOT LIMITED TO FOUNDATIONS, STRUCTURES, INSTALLATIONS, OR IMPROVEMENTS HAVE BEEN LOCATED, EXCEPT AS SHOWN HEREON.
- UNDERGROUND UTILITIES SHOWN ARE BASED ON ABOVE-GROUND EVIDENCE AND SURFACE MARKING FOUND DURING THIS SURVEY. THERE MAY BE OTHER UNDERGROUND INSTALLATIONS WITHIN OR NEAR THE SUBJECT PROPERTY WHICH WERE NOT LOCATED AND ARE NOT SHOWN. UTILITIES SHOWN HEREON ARE NOT TO BE USED FOR CONSTRUCTION AND DO NOT NECESSARILY INDICATE AVAILABILITY.
- FORTY-EIGHT (48) HOURS BEFORE DIGGING, BORING, PILE-DRIVING, PLANTING, ETC. NOTIFY SUNSHINE 811 BY CALLING 811 SO THAT UNDERGROUND UTILITIES MAY BE FIELD SPOTTED.

- ALL TREE SPECIES SHOWN ARE FOR INFORMATIONAL PURPOSES ONLY AND ANY TREE SPECIES THAT MAY BE CRITICAL SHOULD BE VERIFIED BY A CERTIFIED ARBORIST.
- GEORGE F. YOUNG, INC. AND THE UNDERSIGNED MAKE NO REPRESENTATIONS OR GUARANTEES PERTAINING TO EASEMENTS, RIGHTS-OF-WAY, SET BACK LINES, RESERVATIONS AND/OR AGREEMENTS.

**BOUNDARY SURVEY NOTES**

- THE PURPOSE OF THIS TOPOGRAPHIC SURVEY IS TO ESTABLISH EXISTING TOPOGRAPHIC FEATURES AND ELEVATIONS FOR A CITY OF TAMPA DITCH, IN SUPPORT OF A PROPOSED REHABILITATION.
- THE BOUNDARY LINES SHOWN HEREON ARE APPROXIMATED FROM CURSORY RESEARCH AND FIELDWORK, AND BY NO MEANS REPRESENT AN OFFICIAL BOUNDARY DETERMINATION. THIS IS NOT A BOUNDARY SURVEY.
- THE COORDINATES SHOWN HEREON ARE BASED ON THE FLORIDA STATE PLANE COORDINATE SYSTEM, WEST ZONE, NORTH AMERICAN DATUM OF 1983, 2011 ADJUSTMENT (NAD83/11), AS ESTABLISHED BY REAL TIME KINEMATIC (RTK) OBSERVATIONS USING THE FLORIDA PERMANENT REFERENCE NETWORK (FPRN).
- ELEVATIONS SHOWN HEREON ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88), AS ESTABLISHED BY A CLOSED LOOP DIFFERENTIAL LEVEL RUN BASED ON THE GPS DERIVED ELEVATION OF CONTROL POINT 18, HAVING AN ELEVATION OF 25.57'.
- SUBSURFACE UTILITIES, FOUNDATIONS, AND OTHER IMPROVEMENTS WERE NOT LOCATED EXCEPT AS SHOWN.
- JURISDICTIONAL WETLANDS, IF ANY, WERE NOT LOCATED OR IDENTIFIED AS PART OF THIS SURVEY.
- THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT. EASEMENTS OR RIGHT OF WAY THAT APPEAR ON RECORDED PLAN OR THAT HAVE BEEN FURNISHED TO THE SURVEYOR BY THE CLIENT HAVE BEEN INCORPORATED INTO THIS SURVEY WITH NOTATION. OTHER EASEMENTS AND ENCUMBRANCES MAY BE DISCOVERED BY A SEARCH OF THE PUBLIC RECORDS.
- ADDITIONS OR DELETIONS TO SURVEY OR REPORTS BY OTHER THAN MCKIM & CREED IS PROHIBITED WITHOUT WRITTEN CONSENT.
- FEATURES SHOWN BY SYMBOL AS INDICATED IN THE LEGEND ARE NOT TO SCALE.
- DIMENSIONS ARE SHOWN IN UNITED STATES STANDARD SURVEY FEET AND DECIMALS THEREOF. THIS DRAWING IS IN GRID.
- THIS SURVEY MEETS THE STANDARDS OF PRACTICE AS SET FORTH IN CHAPTER 5J-17 OF THE FLORIDA ADMINISTRATIVE CODE.
- THIS SURVEY HAS BEEN ELECTRONICALLY SIGNED AND SEALED PURSUANT TO RULE 5J-17.062, FLORIDA ADMINISTRATIVE CODE. PRINTED COPIES ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPY.
- THE AERIAL PHOTOS INCLUDED HEREIN WERE PROVIDED BY FLORIDA DEPARTMENT OF TRANSPORTATION'S AERIAL PHOTO LOOK UP SYSTEM AND HAS A FLIGHT DATE OF FEBRUARY, 2020. THE SURVEYOR MAKES NO CLAIM TO ACCURACY AND THIS PHOTO SHOULD NOT BE UTILIZED FOR GEOSPATIAL MEASUREMENT.
- THE LAST FIELD DATE OF THIS SURVEY IS JANUARY 18, 2020.
- THIS SURVEY IN GRAPHIC FORM IS ACCOMPANIED BY AN ELECTRONIC ZIPPED DIRECTORY TITLED SITE5.ZIP DATED MARCH 6, 2021. THIS SURVEY IS NEITHER WHOLE NOR COMPLETE WITHOUT BOTH THE ELECTRONICALLY SIGNED SURVEY AND ACCOMPANYING ZIPPED DIRECTORY.
- THIS SURVEY IN GRAPHIC FORM IS INTENDED TO BE PLOTTED AT A 1" = 30' SCALE OR SMALLER.
- THE CITY OF TAMPA DRAINAGE EASEMENT DEED LEGAL DESCRIPTION AS DESCRIBED IN OFFICIAL RECORDS BOOK 5726, PAGE 1065 APPEARS TO ONLY ENCUMBER THE WESTERLY PORTION OF LOT 11 AND LOT 6, NORTH HILLSBORO SUBDIVISION, AS RECORDED IN PLAT BOOK 6, PAGE 32. UPON REVIEWING CITY OF TAMPA RESOLUTION NO. 89-1228, IT APPEARS THAT THE INTENT OF THE CITY OF TAMPA INTENDED TO ACQUIRE AN EASEMENT UPON THE NORTH 35' OF BOTH SAID LOTS 6 AND 11 EXTENDING BETWEEN ARMENIA AVENUE AND ALBANY AVENUE. THE EASEMENT LIMITS DEPICTED HEREON REFLECT THE LEGAL DESCRIPTION AS PROVIDED IN BOTH DOCUMENTS.
- THE DRAINAGE EASEMENT DEPICTED UPON THE NORTHERLY 15' OF PARCEL ID: A-23-28-18-3DT-000000-00008.0 APPEARS TO HAVE BEEN RETAINED BY THE GRANTOR, FIRST VIRGINIA MORTGAGE AND REAL ESTATE INVESTMENT TRUST, AS SUCH, THIS EASEMENT APPEARS TO HAVE BEEN CREATED FOR THE BENEFIT OF ADJOINING PARCEL OWNERS RATHER THAN THE CITY OF TAMPA. AT THIS TIME IT DOES NOT APPEAR THAT THIS EASEMENT BENEFITS PROPOSED REHABILITATION TO BE PERFORMED BY THE CITY.
- ALL REFERENCES TO THE OFFICIAL RECORDS REFER THE THE OFFICIAL RECORDS OF HILLSBOROUGH COUNTY, FLORIDA.

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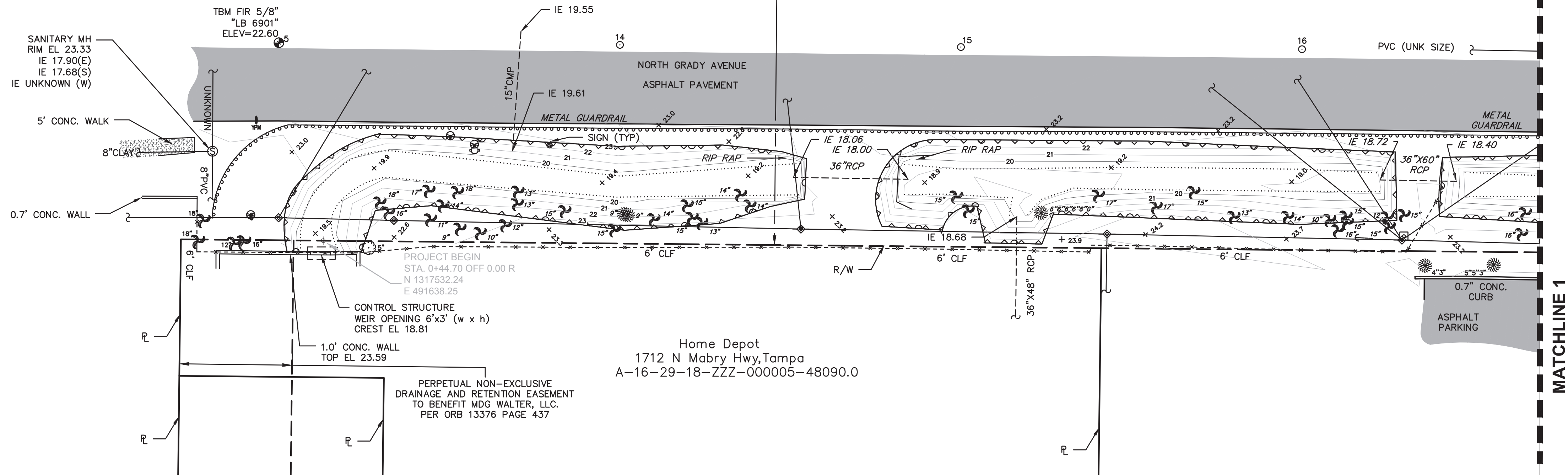
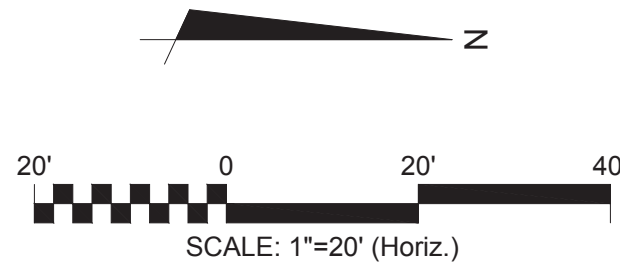
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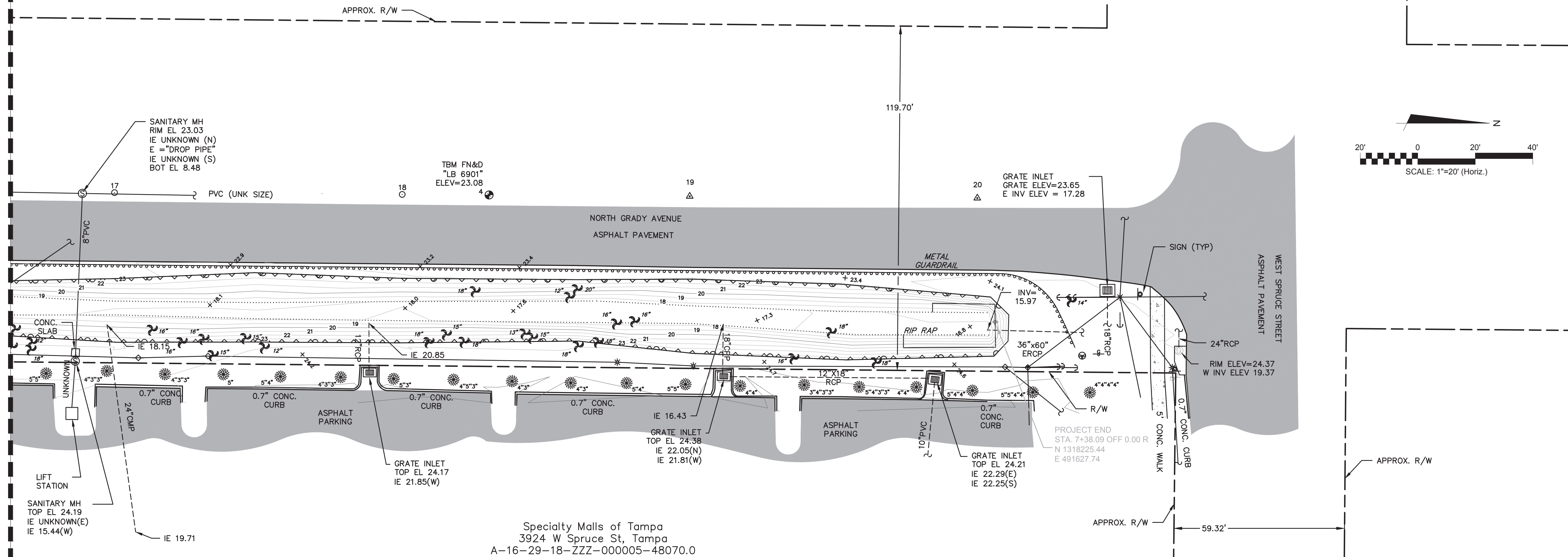
**CITY of TAMPA**  
 Mobility Department  
 Stormwater Engineering Division

**GRADY AVE DRAINAGE IMPROVEMENTS**  
**GENERAL NOTES**

SHEET **3**  
 OF 11



MATCHLINE 1



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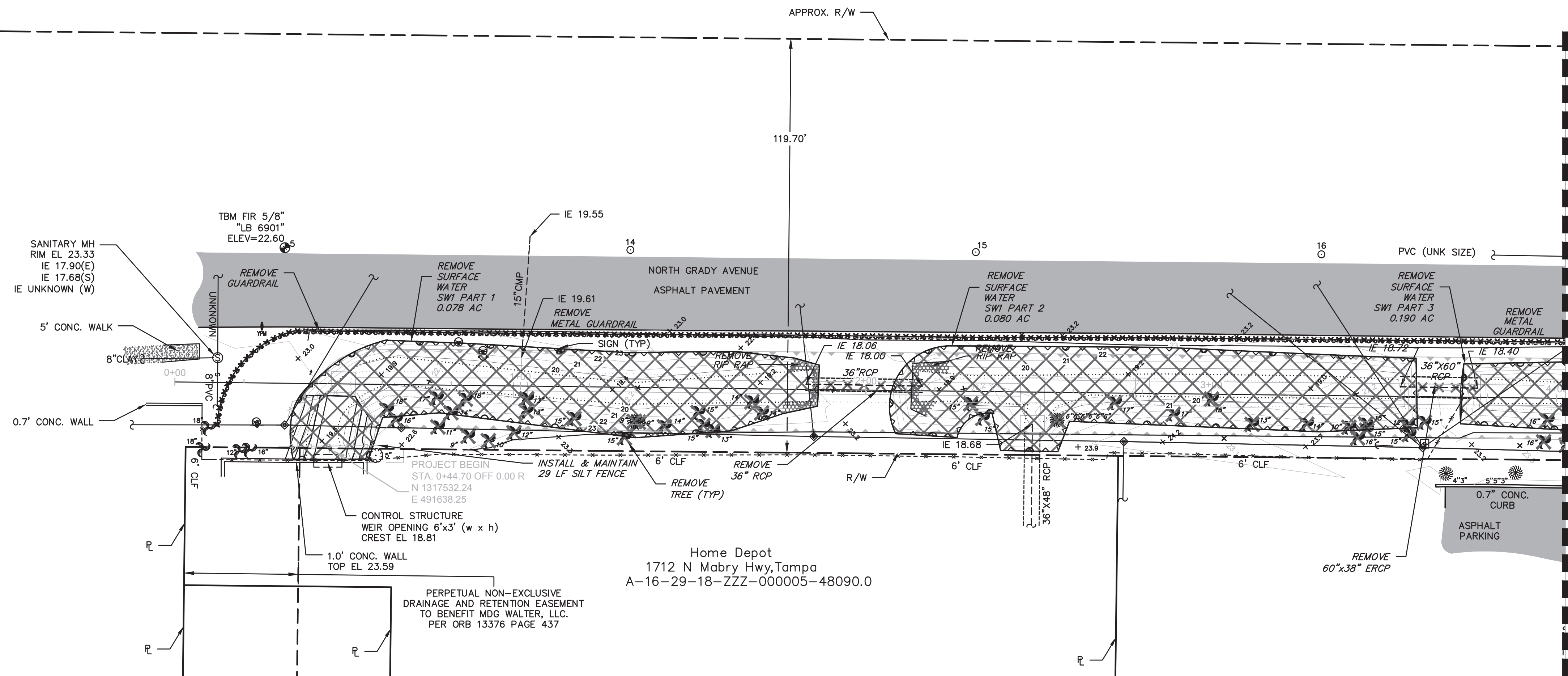
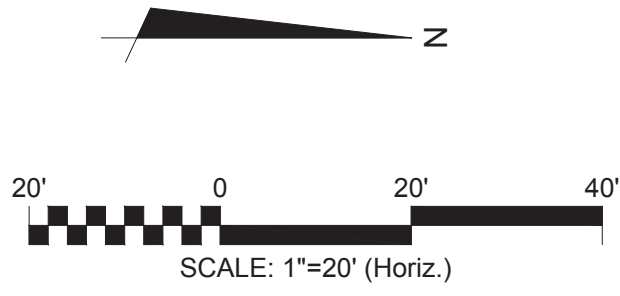
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GRADY AVE DRAINAGE IMPROVEMENTS  
EXISTING CONDITIONS

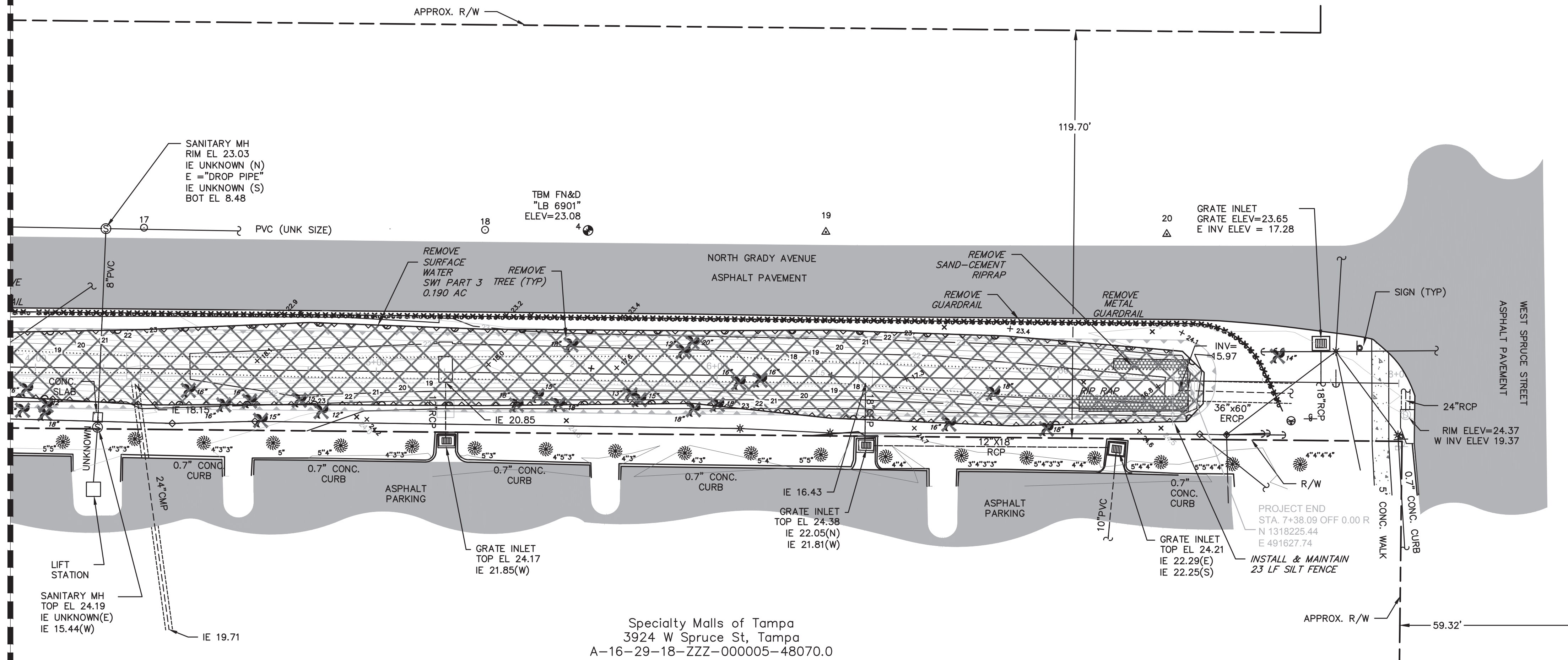
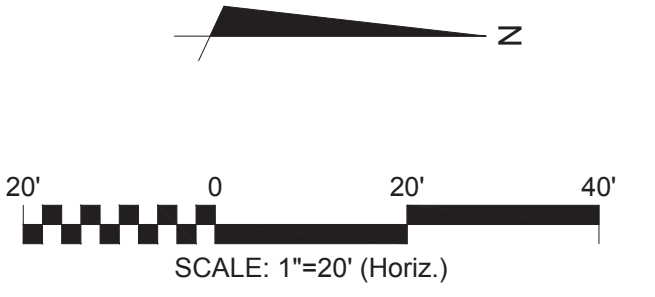
### LEGEND

-  REMOVE SURFACE WATER
-  REMOVE SAND-CEMENT RIPRAP
-  REMOVE GUARDRAIL
-  REMOVE TREE



MATCHLINE 1

MATCHLINE 1



APPROX. R/W

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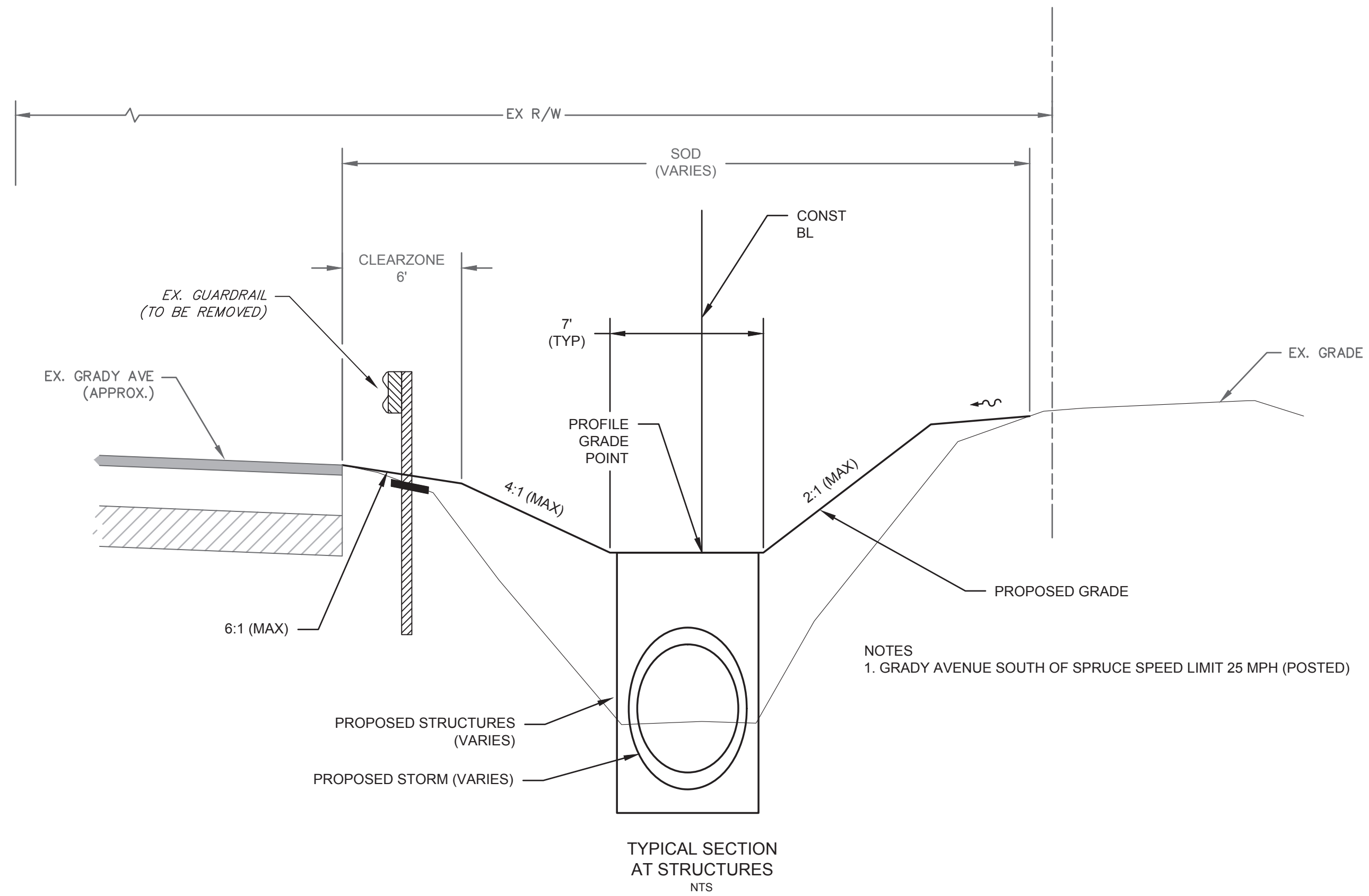
Specialty Malls of Tampa  
3924 W Spruce St, Tampa  
A-16-29-18-ZZZ-000005-48070.0

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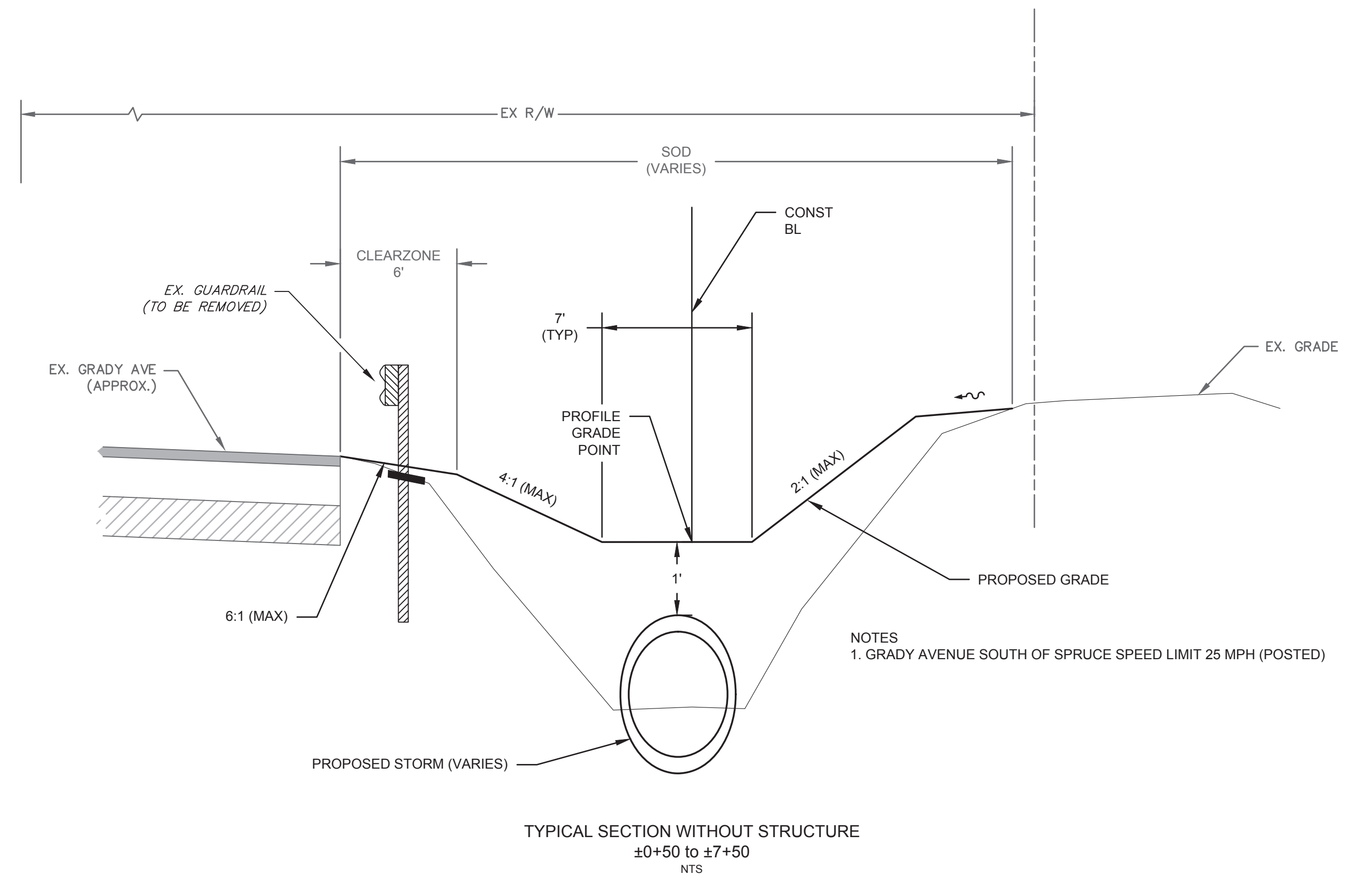
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DRN: CTM  
CKD: TLW  
DATE: 07/05/23

CITY of TAMPA  
Mobility Department  
Stormwater Engineering Division

GRADY AVE DRAINAGE IMPROVEMENTS  
DEMOLITION & SWPPP



NOTES  
1. GRADY AVENUE SOUTH OF SPRUCE SPEED LIMIT 25 MPH (POSTED)



NOTES  
1. GRADY AVENUE SOUTH OF SPRUCE SPEED LIMIT 25 MPH (POSTED)

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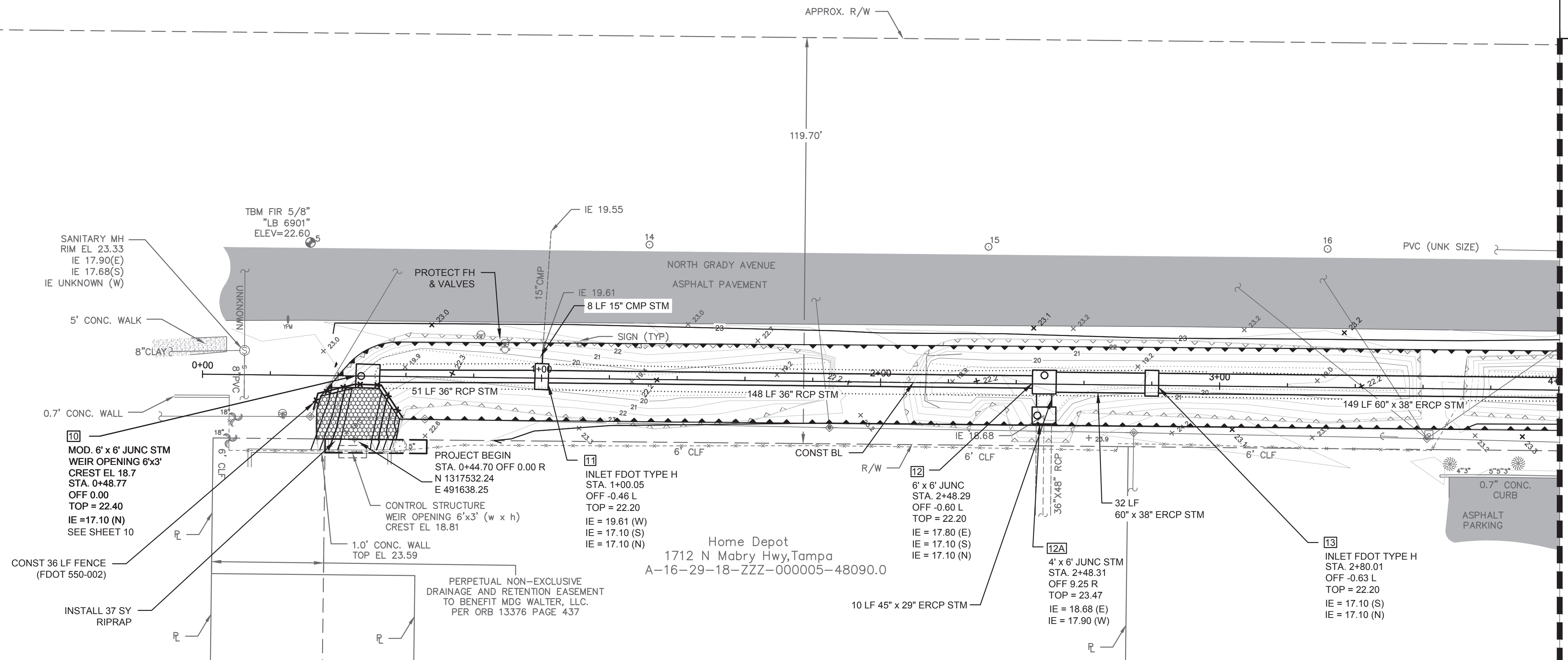
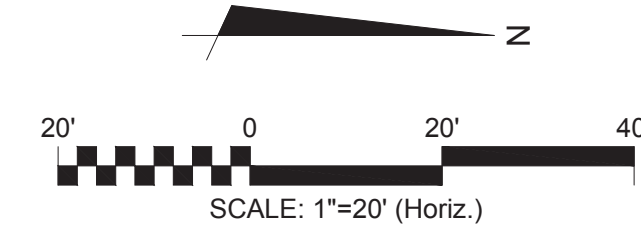
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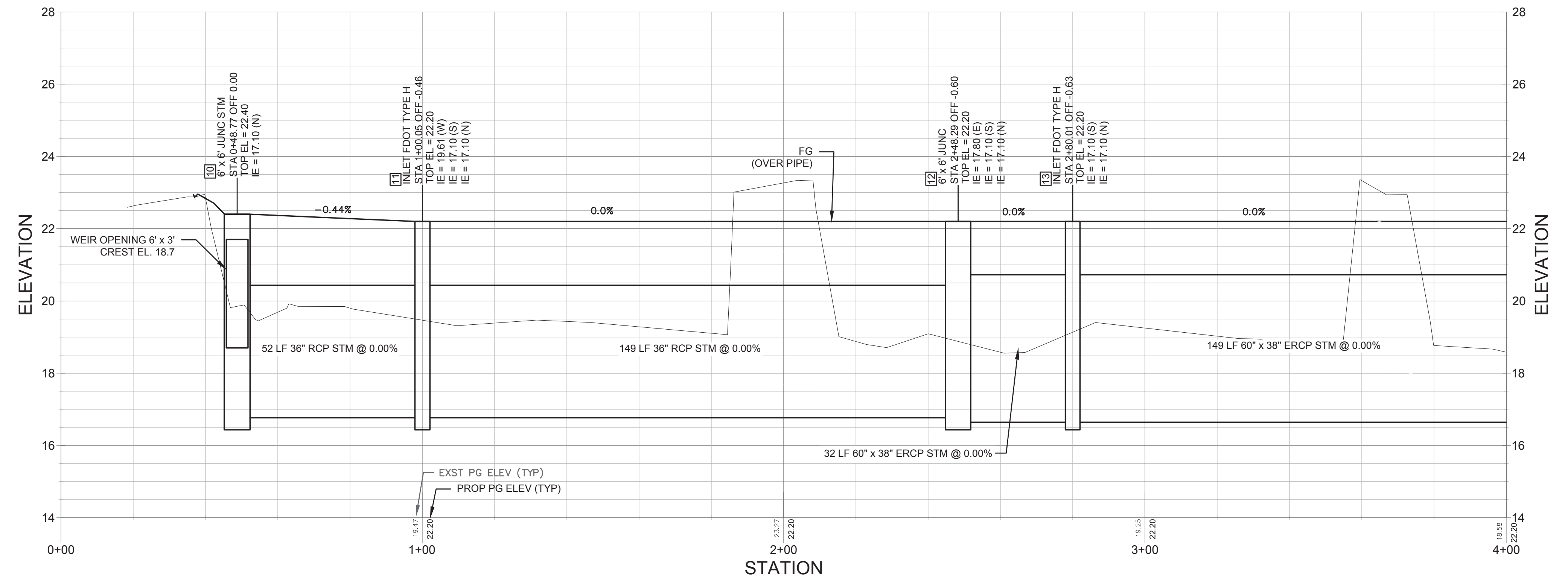
CITY of TAMPA  
Mobility Department  
Stormwater Engineering Division

GRADY AVE DRAINAGE IMPROVEMENTS  
TYPICAL SECTION

I:\2024\06\ENGINEERING\DRAWINGS\CIVIL\TYPICAL SECTIONS\02406040\_2.DWG 7/20/2024 8:21 AM 7/22/2023 8:39 AM COLIN MILLER



MATCHLINE 1



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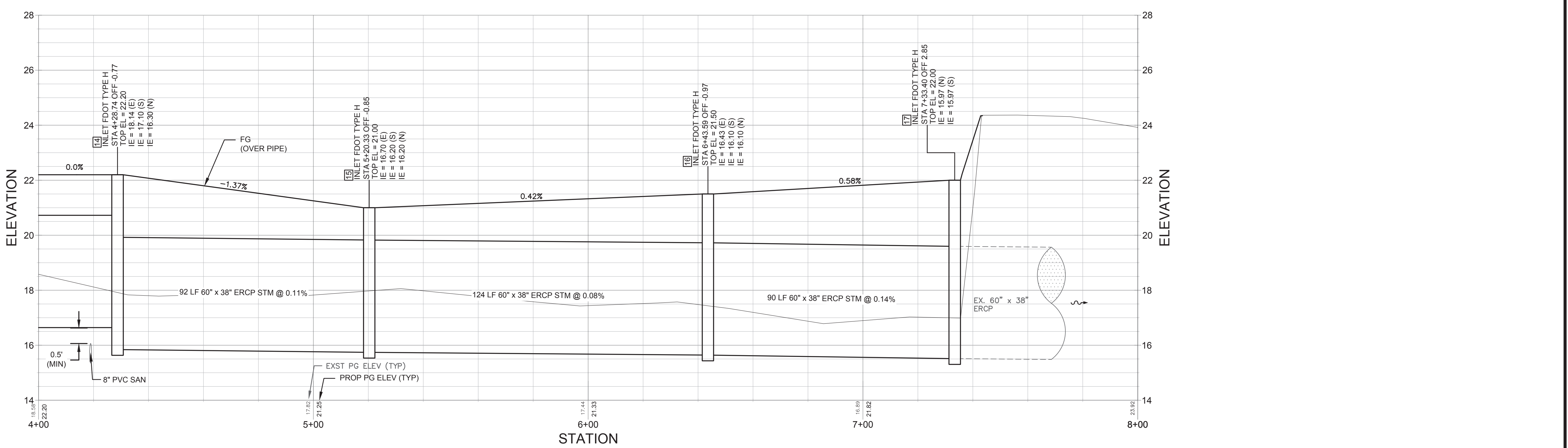
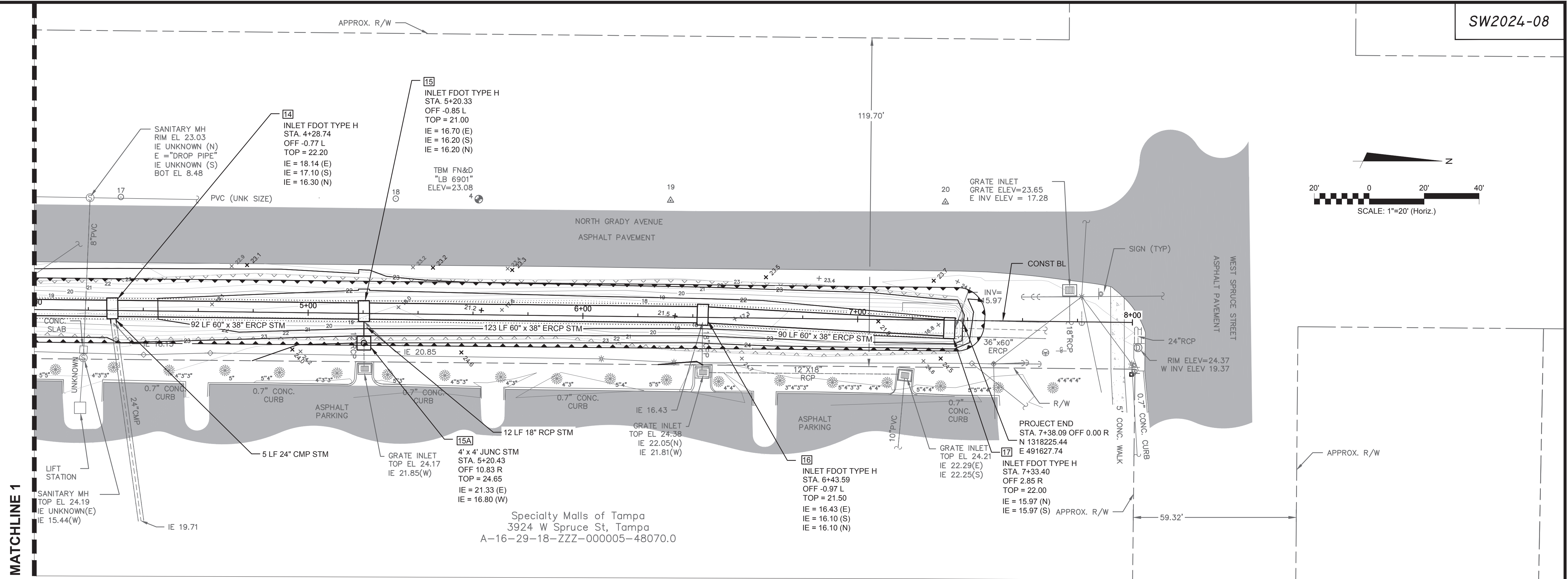


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**CITY of TAMPA**  
 Mobility Department  
 Stormwater Engineering Division

**GRADY AVE DRAINAGE IMPROVEMENTS**  
 PLAN & PROFILE (I)



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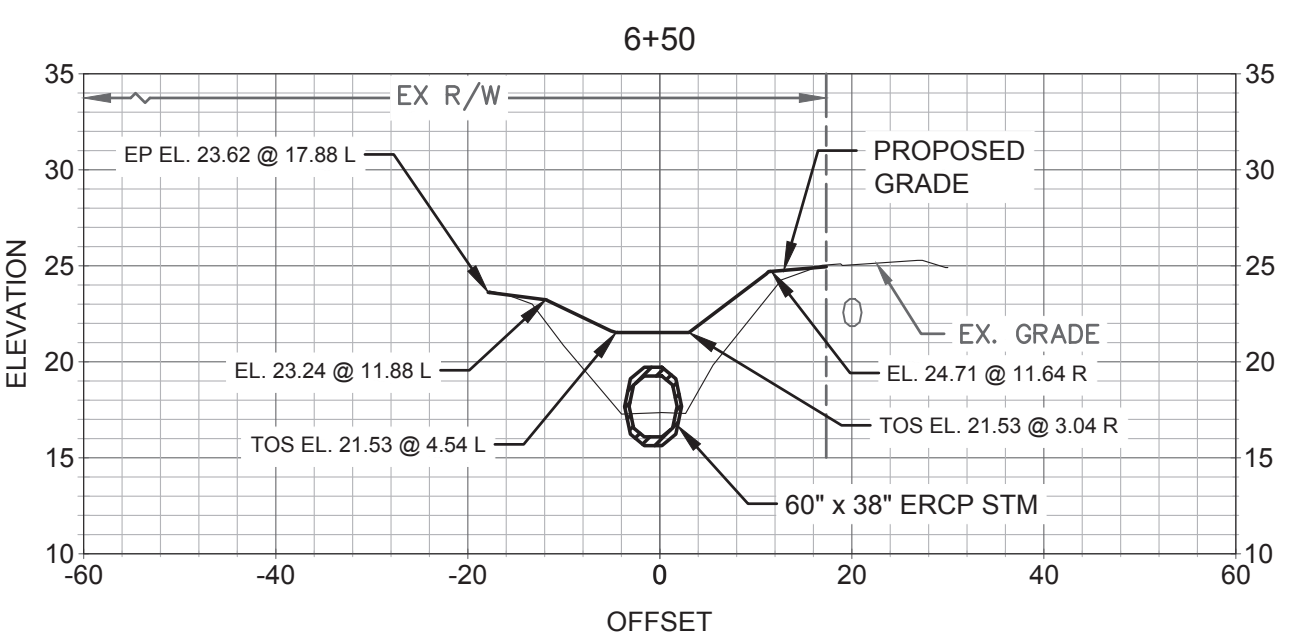
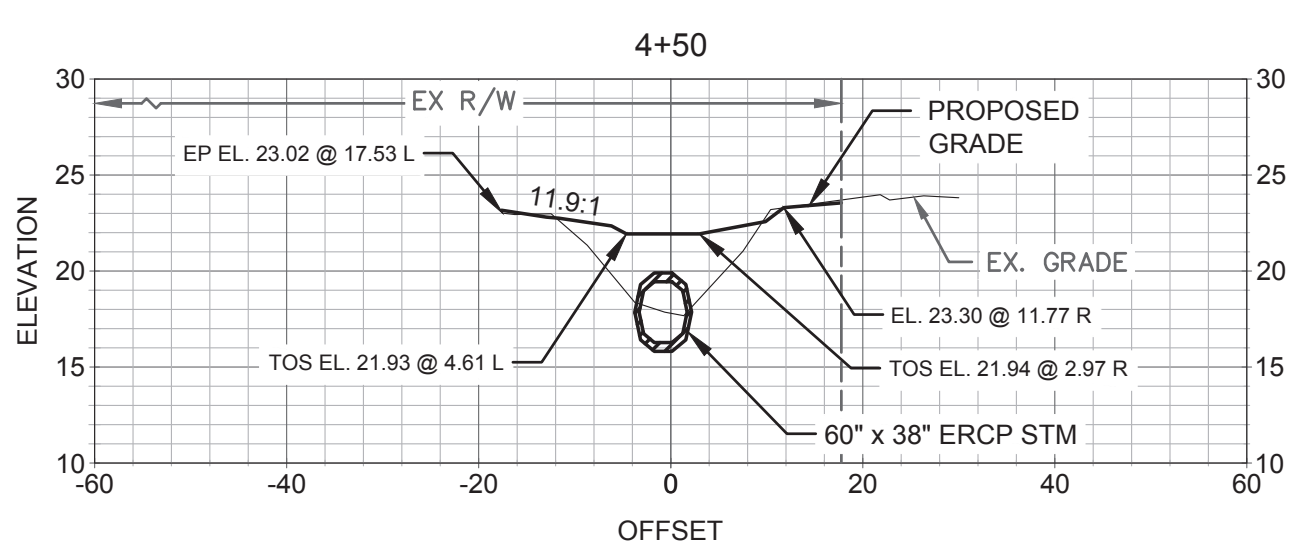
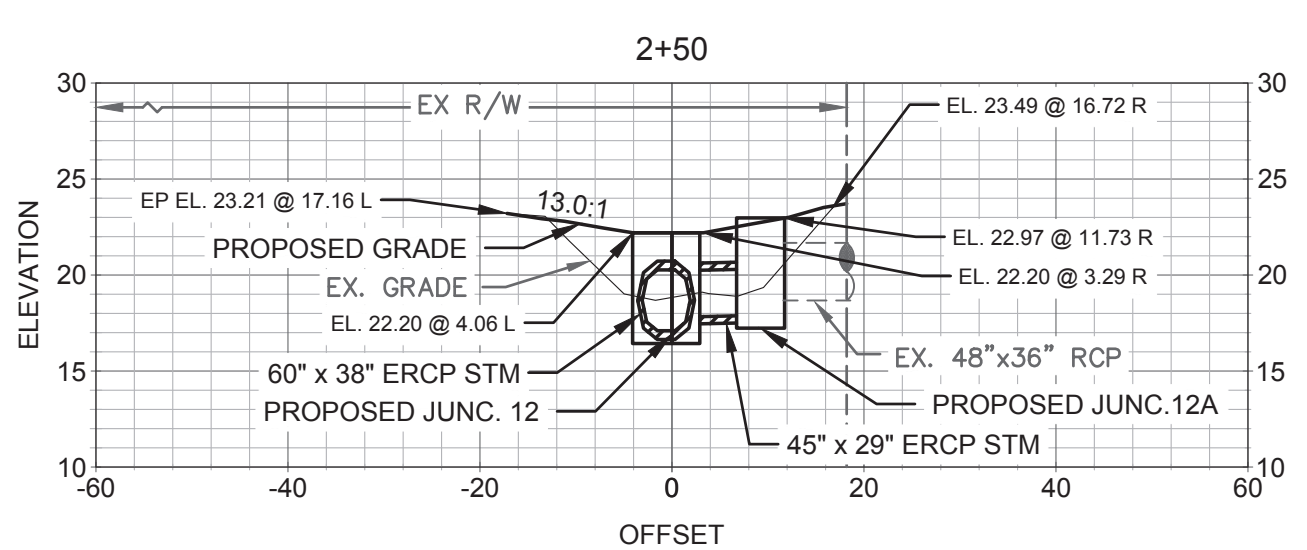
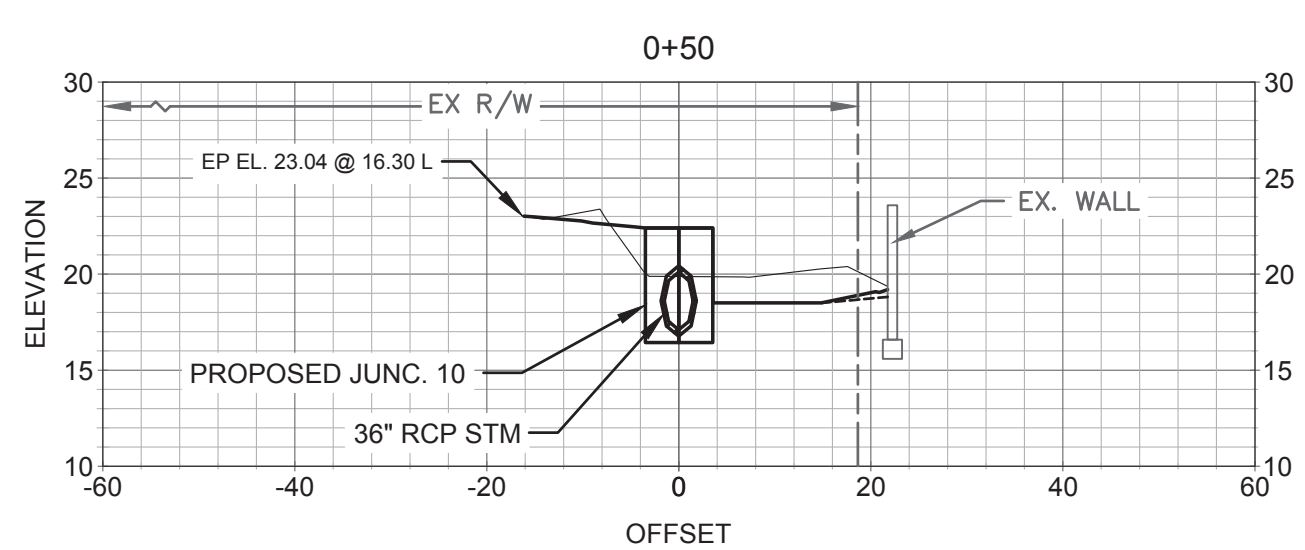
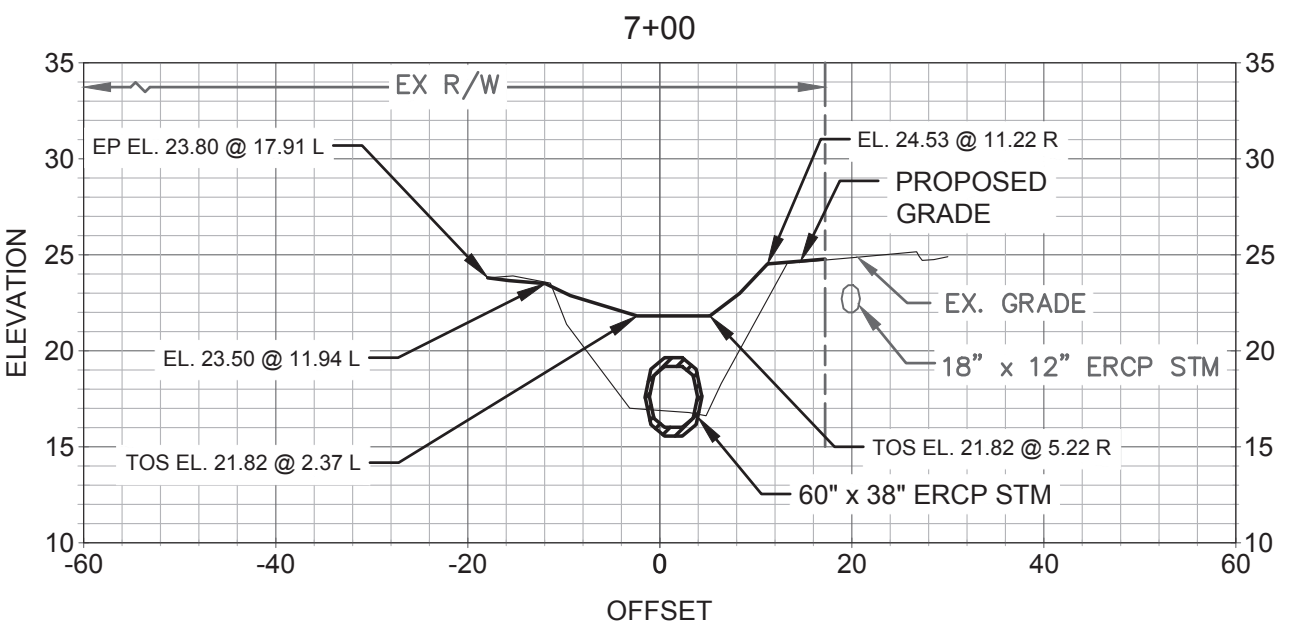
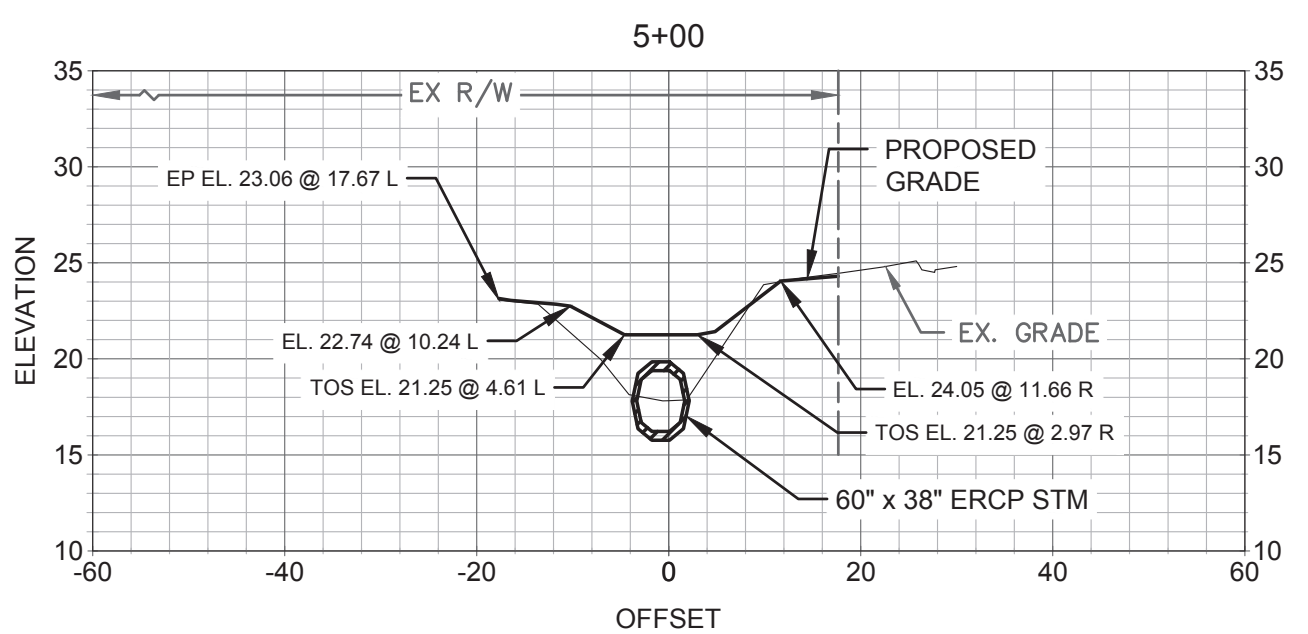
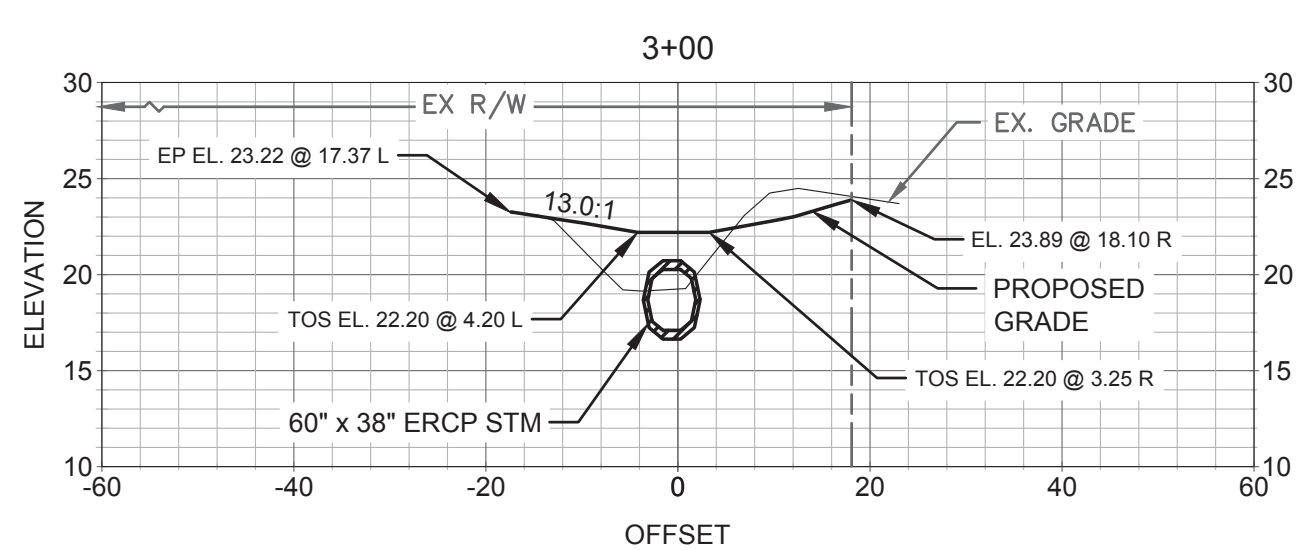
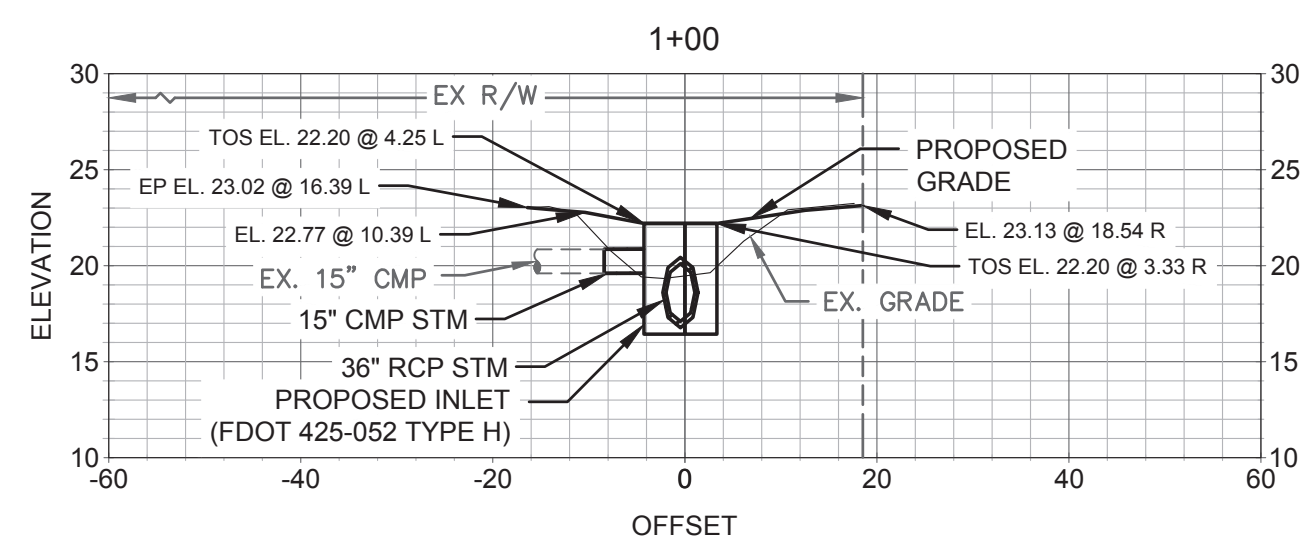
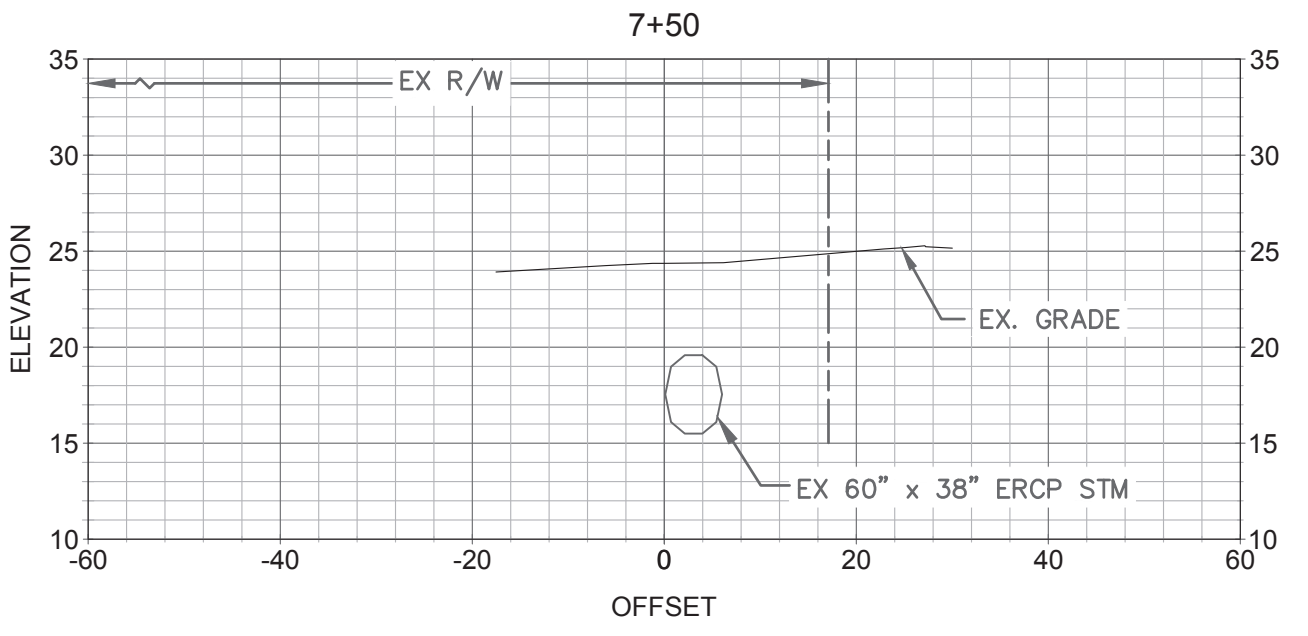
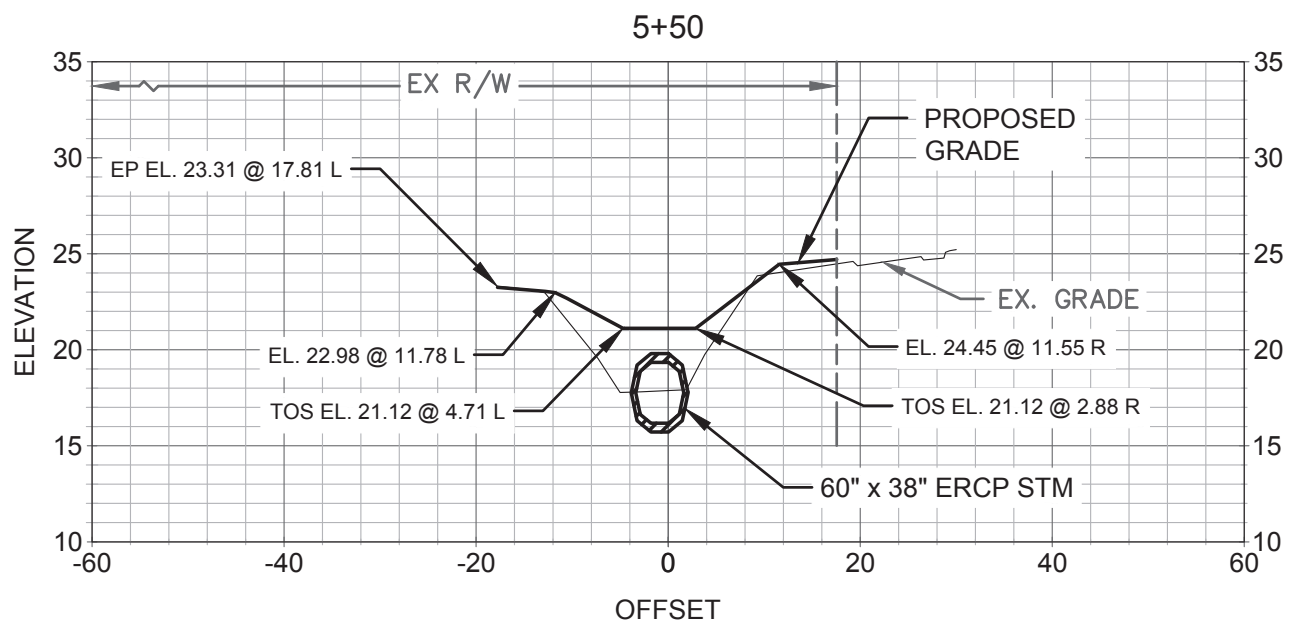
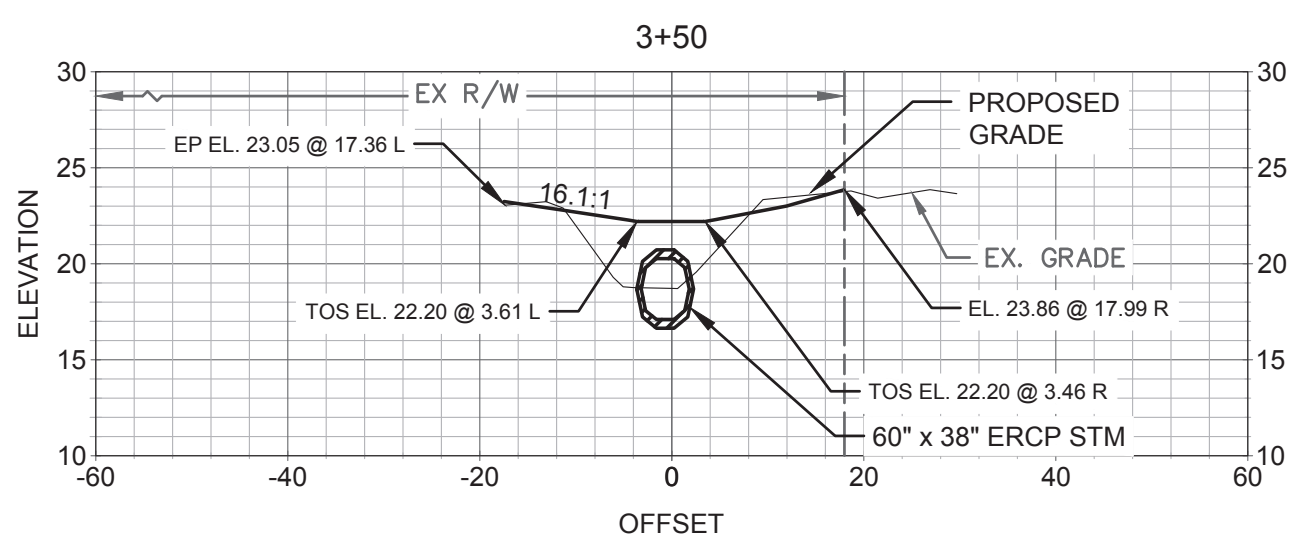
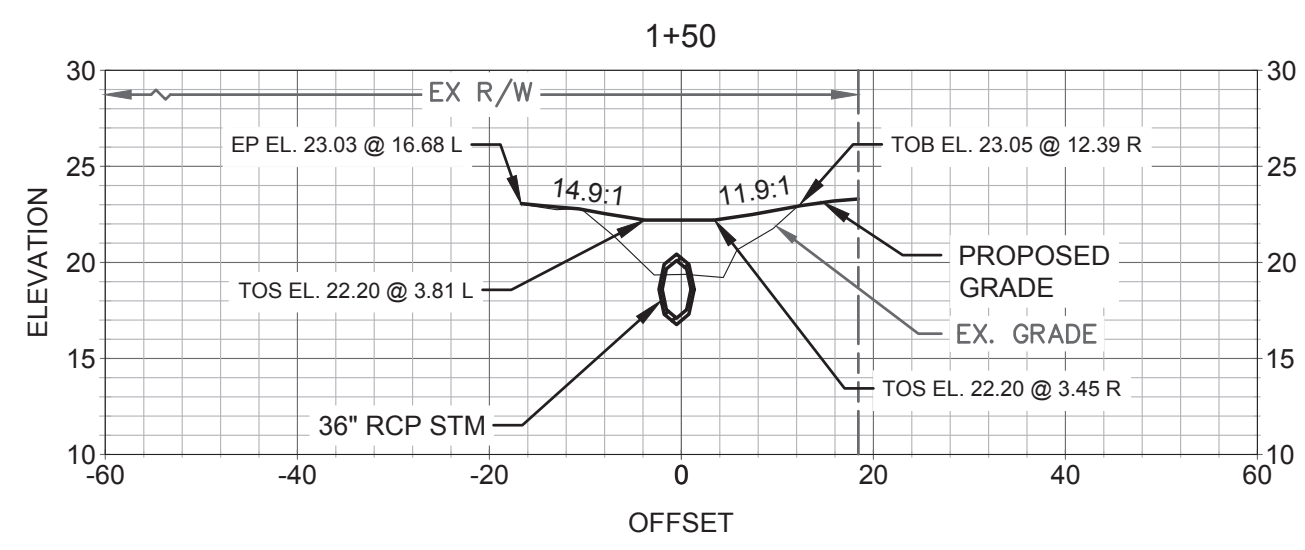
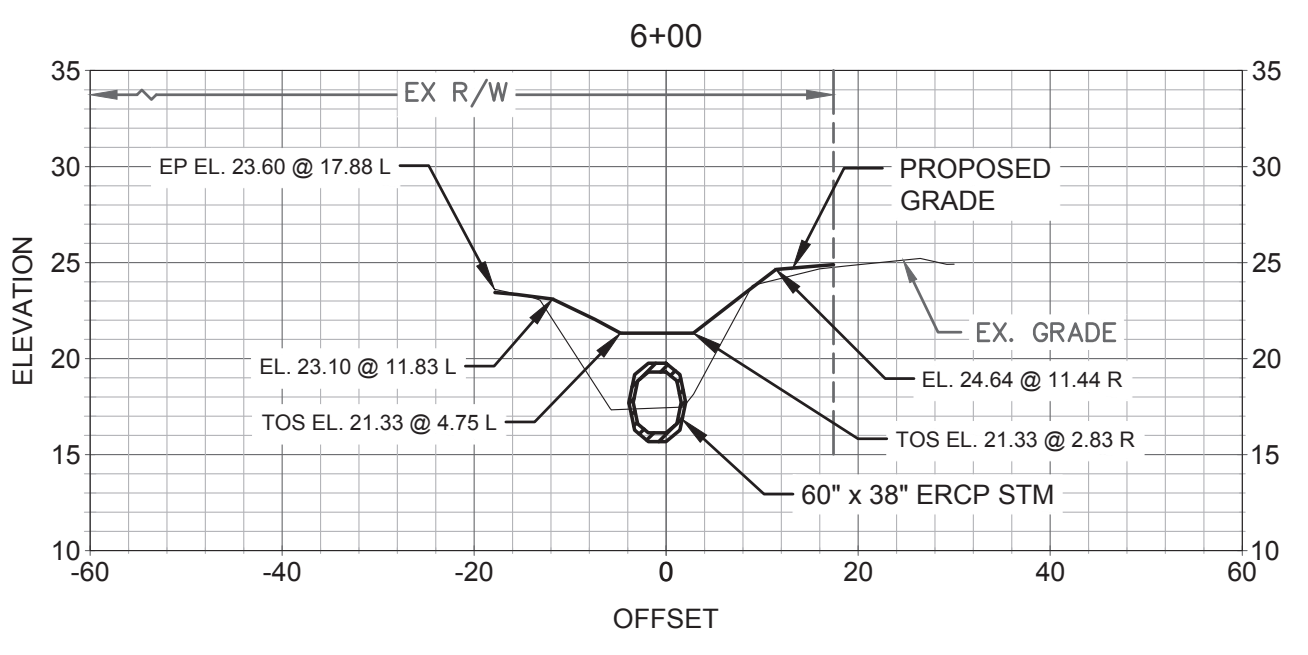
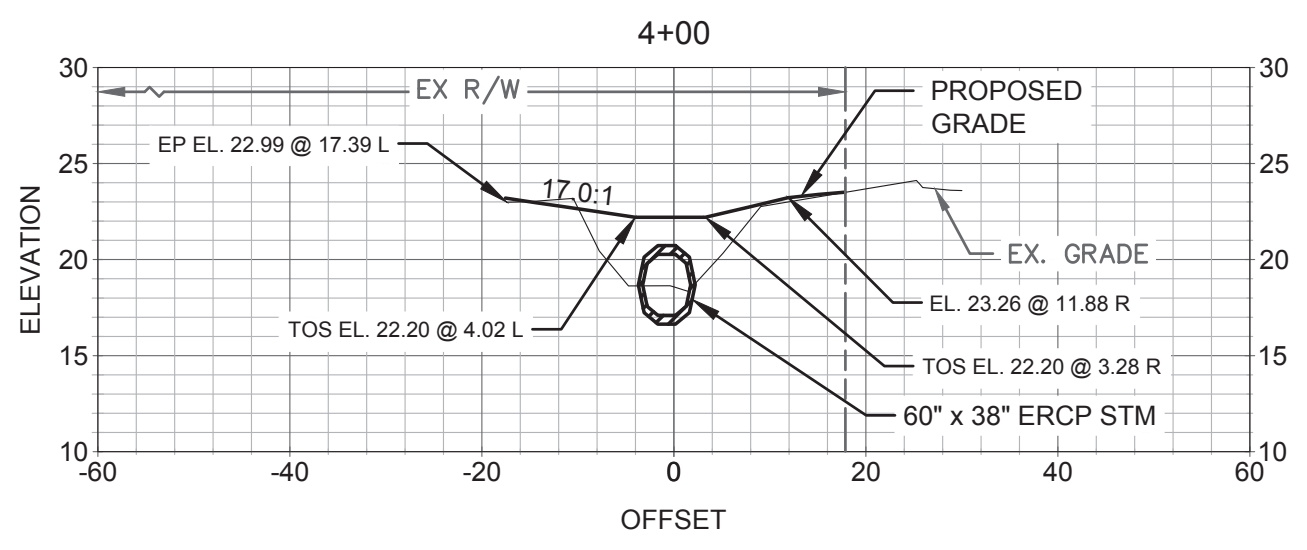
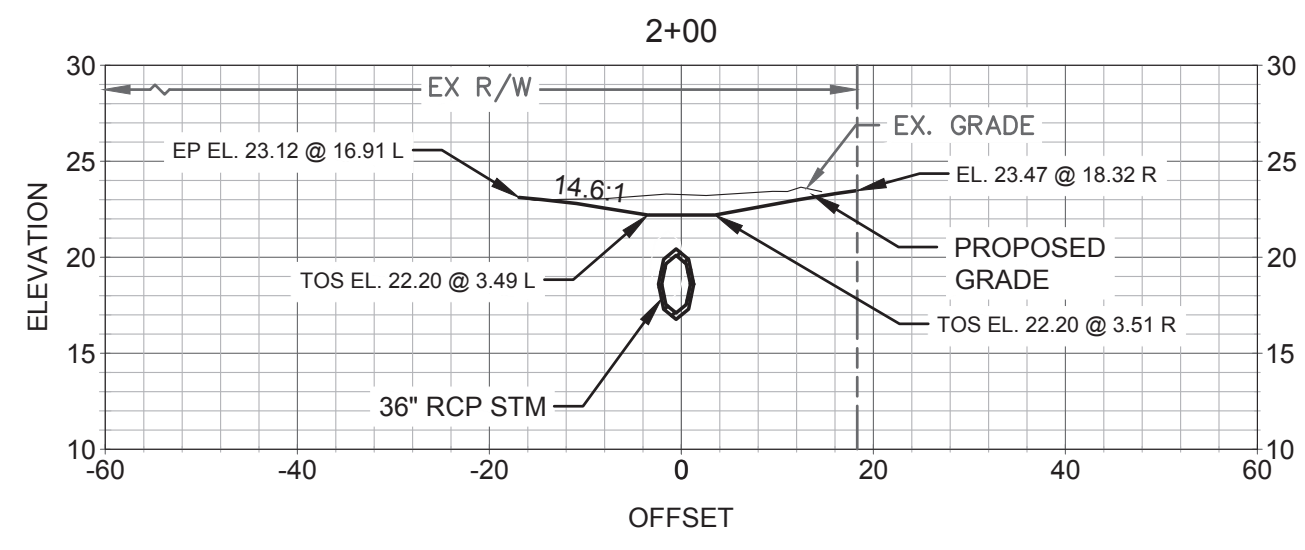
No.	DATE	REVISIONS	No.	DATE	REVISIONS

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DRN: CTM  
CKD: TLW  
DATE: 07/05/23

CITY of TAMPA  
Mobility Department  
Stormwater Engineering Division

GRADY AVE DRAINAGE IMPROVEMENTS  
PLAN & PROFILE (2)





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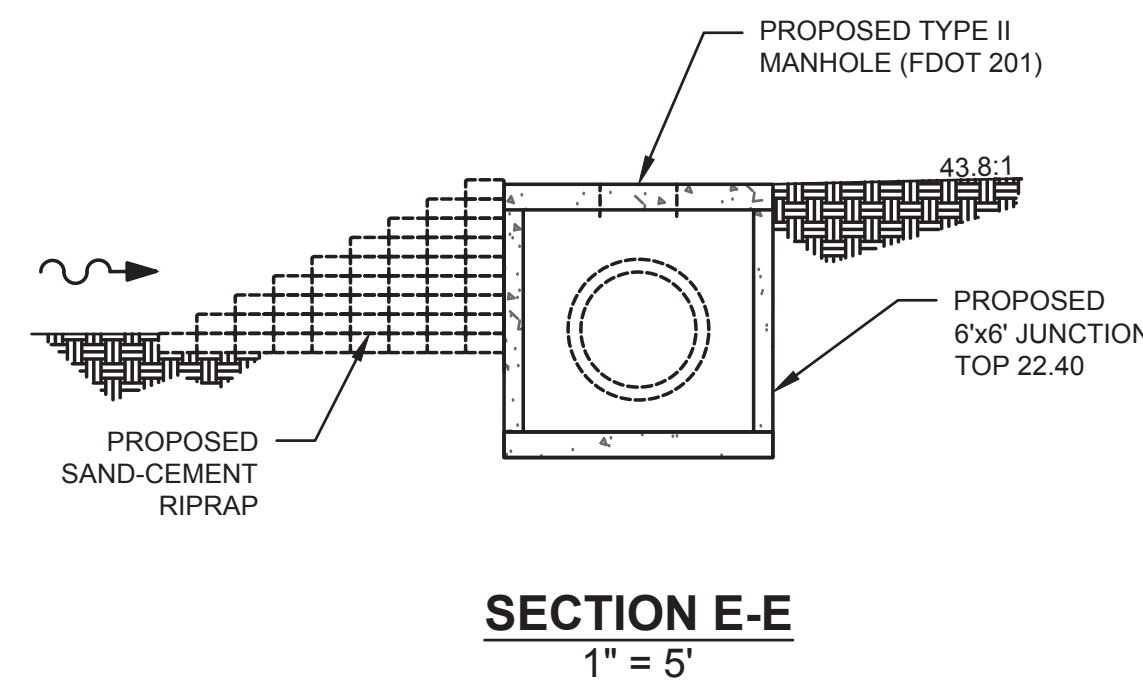
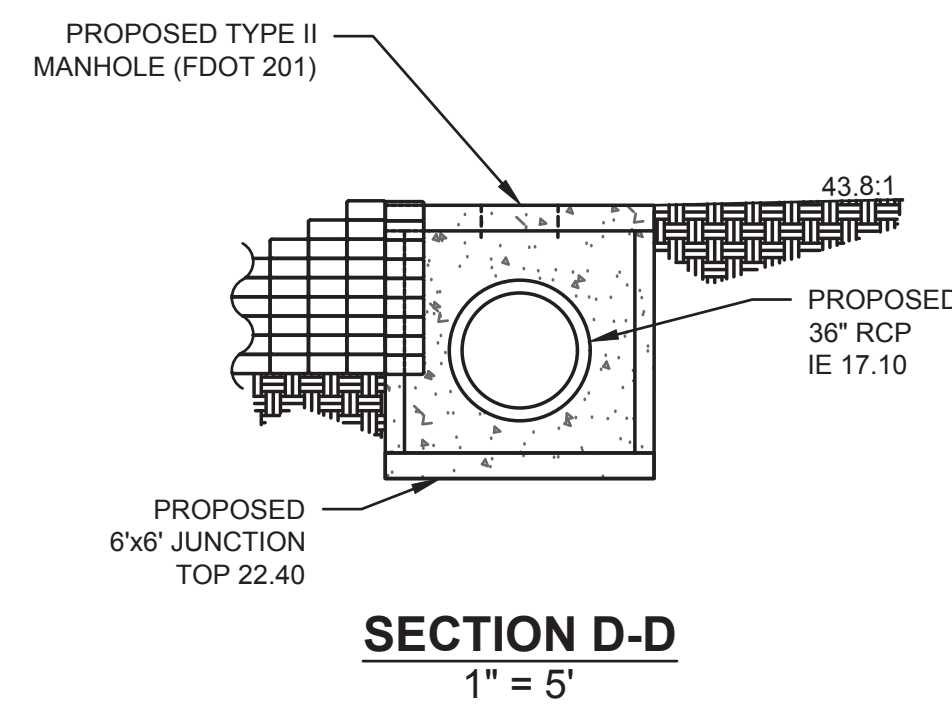
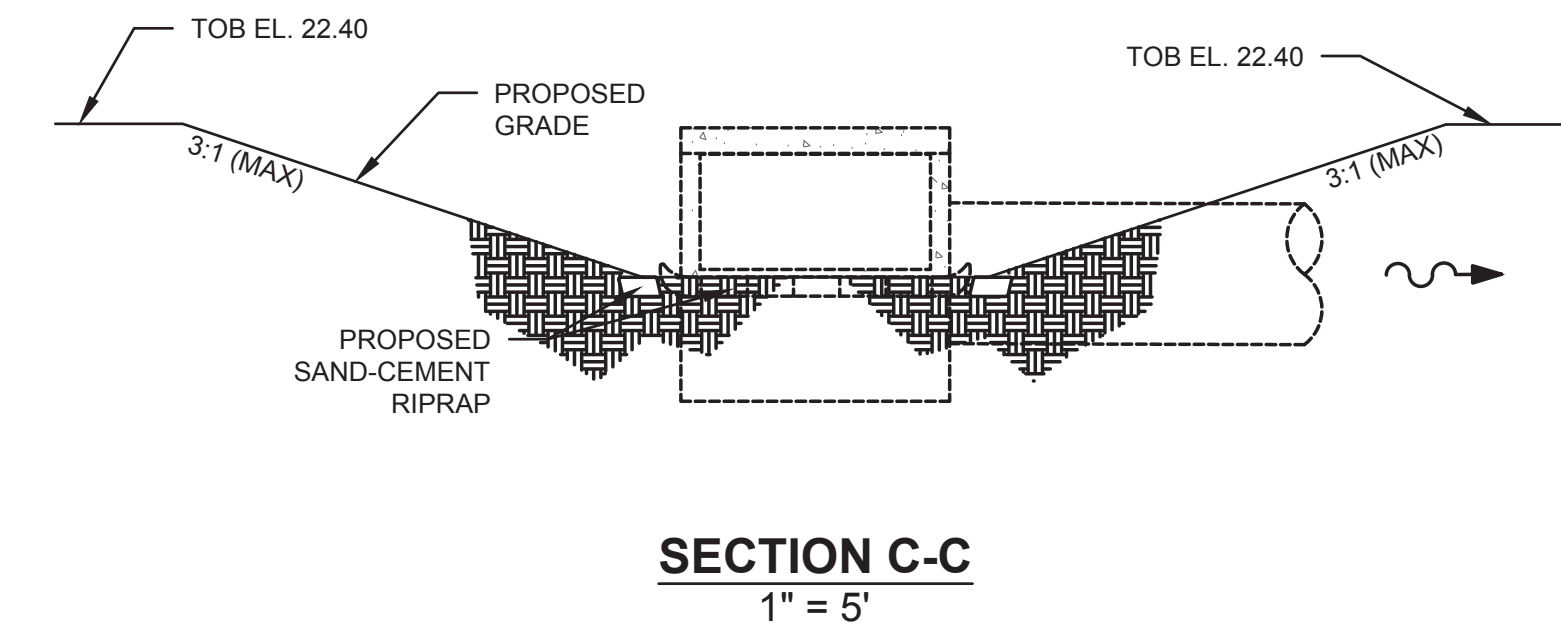
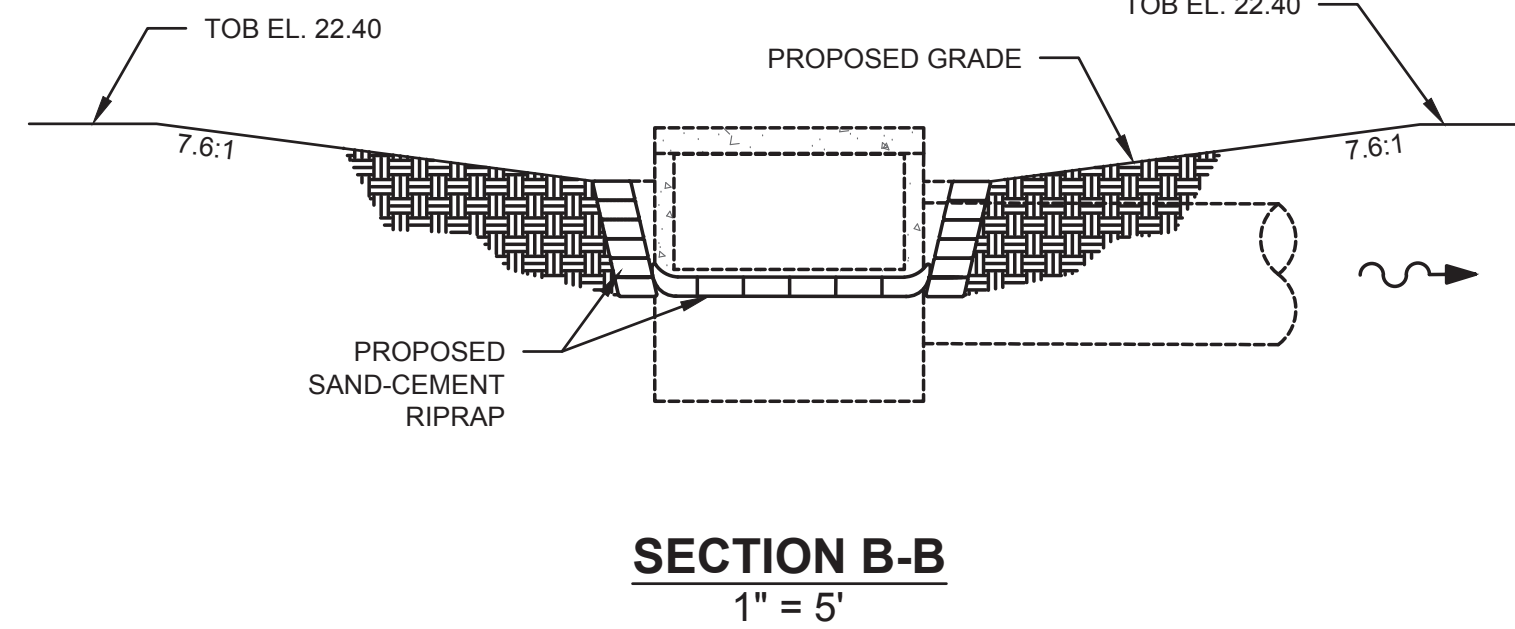
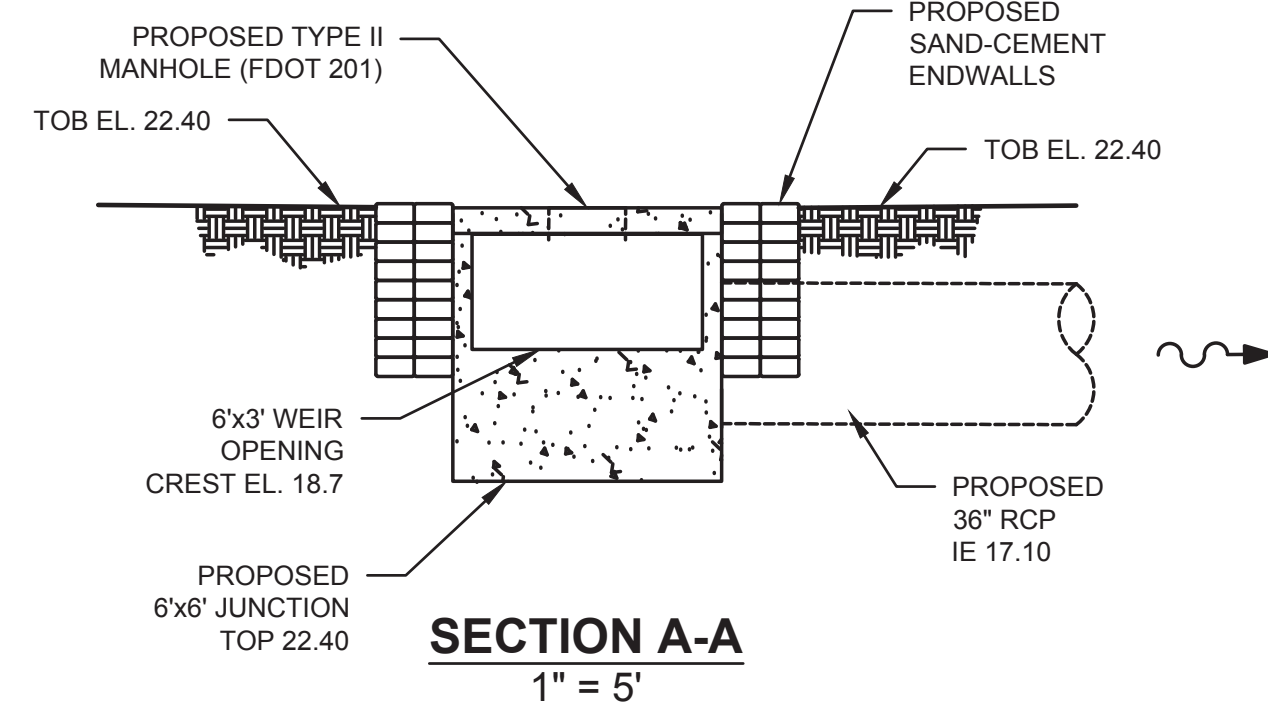
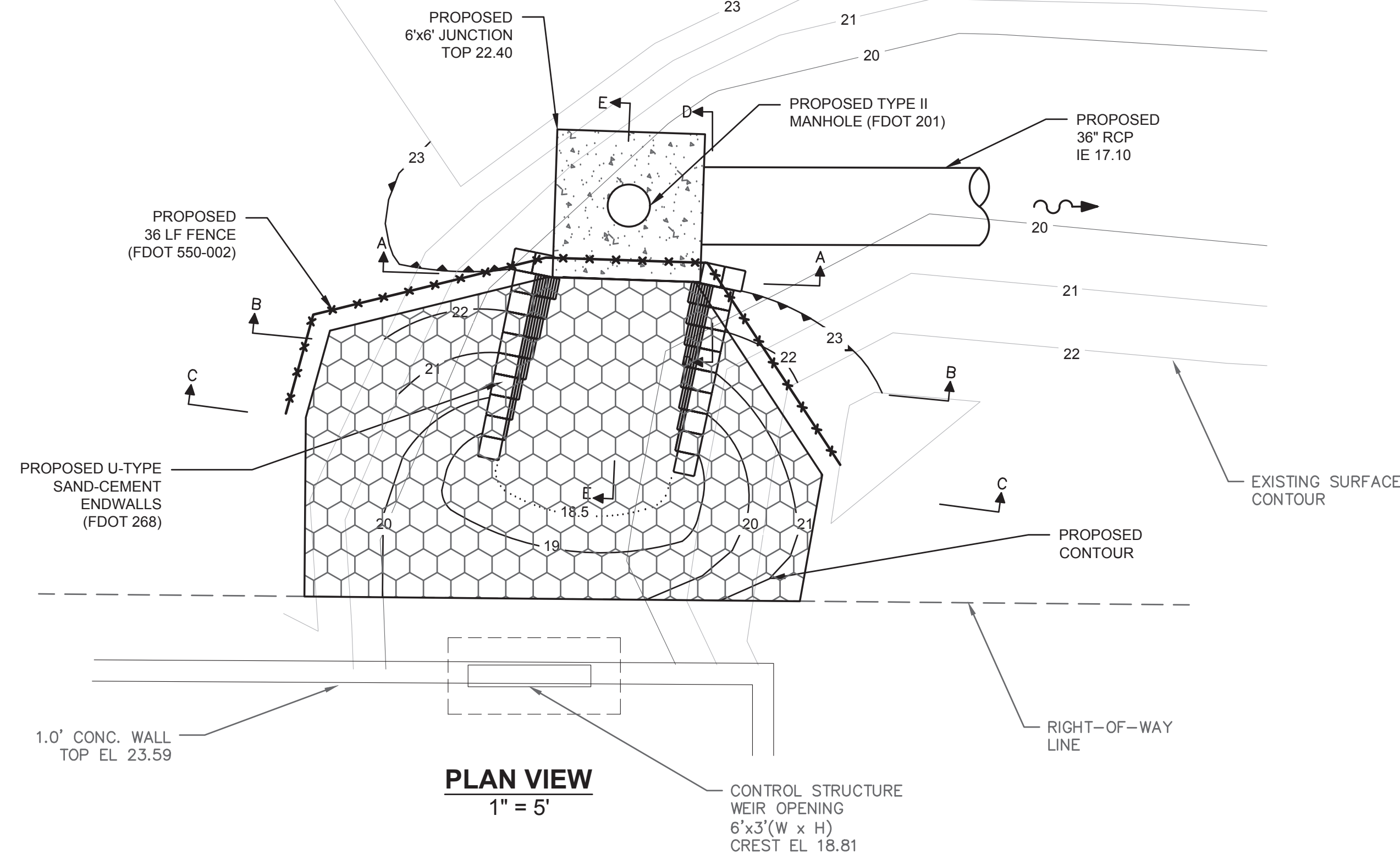
HORZ. SCALE: 1"=20'  
 VERT. SCALE: 1"=10'  
**MCKIM & CREED**  
 3903 Northside Blvd., Ste. 115E,  
 Tampa, Florida 33624  
 Phone: (813) 549-3740, Fax: (813) 549-3744  
 EB 0029588 www.mckimcreed.com

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CITY of TAMPA  
 Mobility Department  
 Stormwater Engineering Division

GRADY AVE DRAINAGE IMPROVEMENTS  
 CROSS SECTIONS (I)



**SPECIAL INLET DETAIL**

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Mobility Department  
Stormwater Engineering Division

GRADY AVE DRAINAGE IMPROVEMENTS  
UPSTREAM DETAILS

**STORMWATER POLLUTION PREVENTION PLAN (SWPPP)**

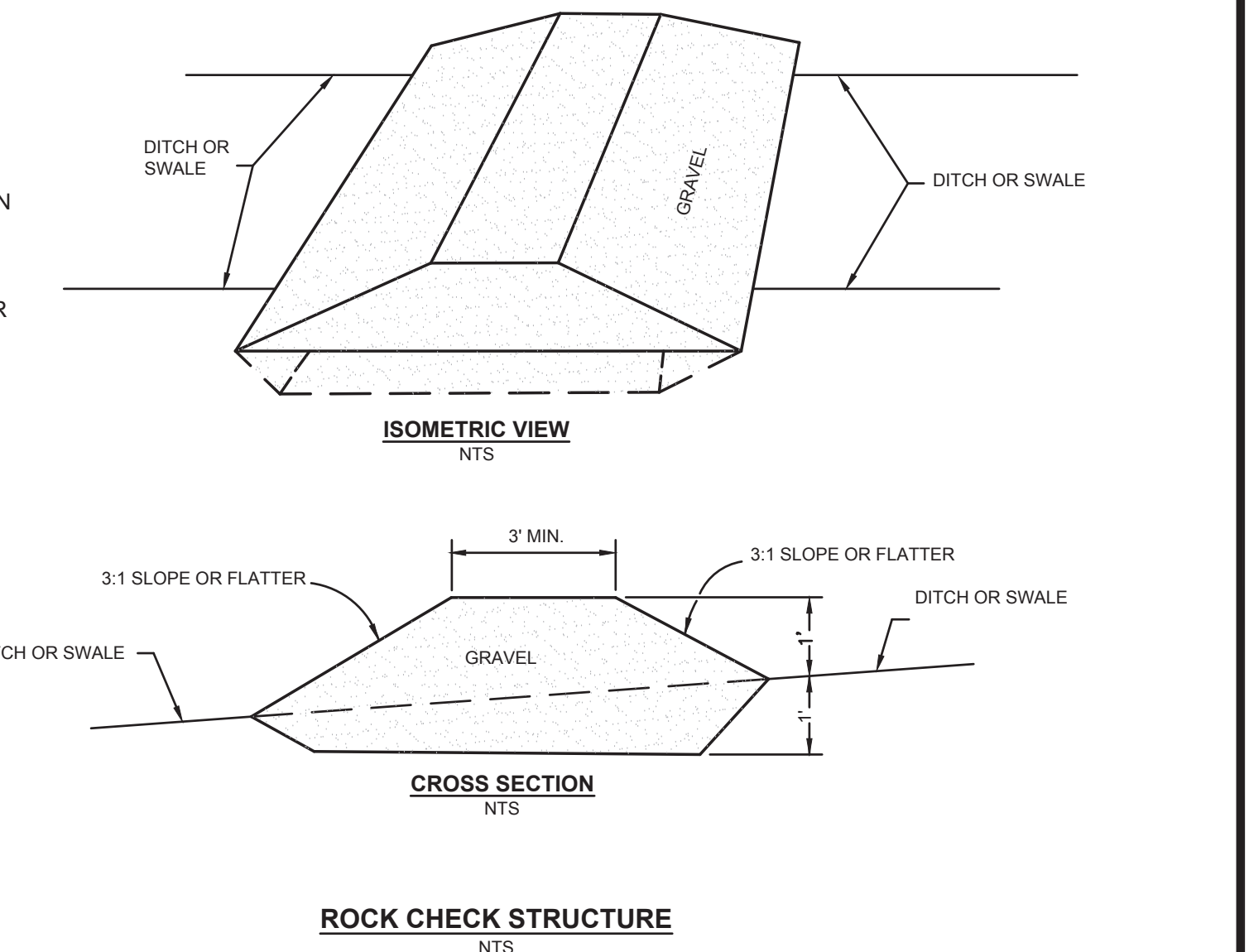
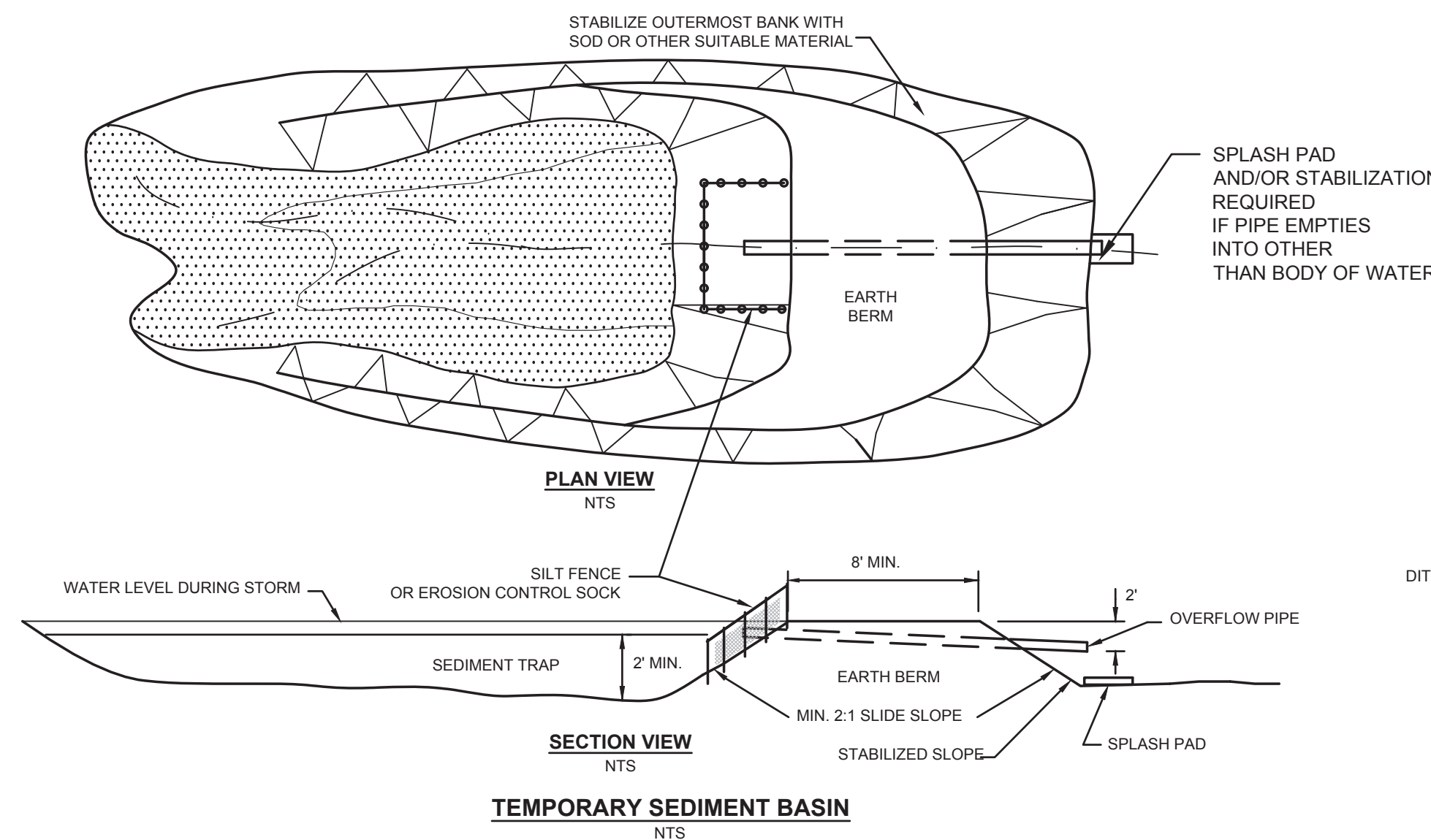
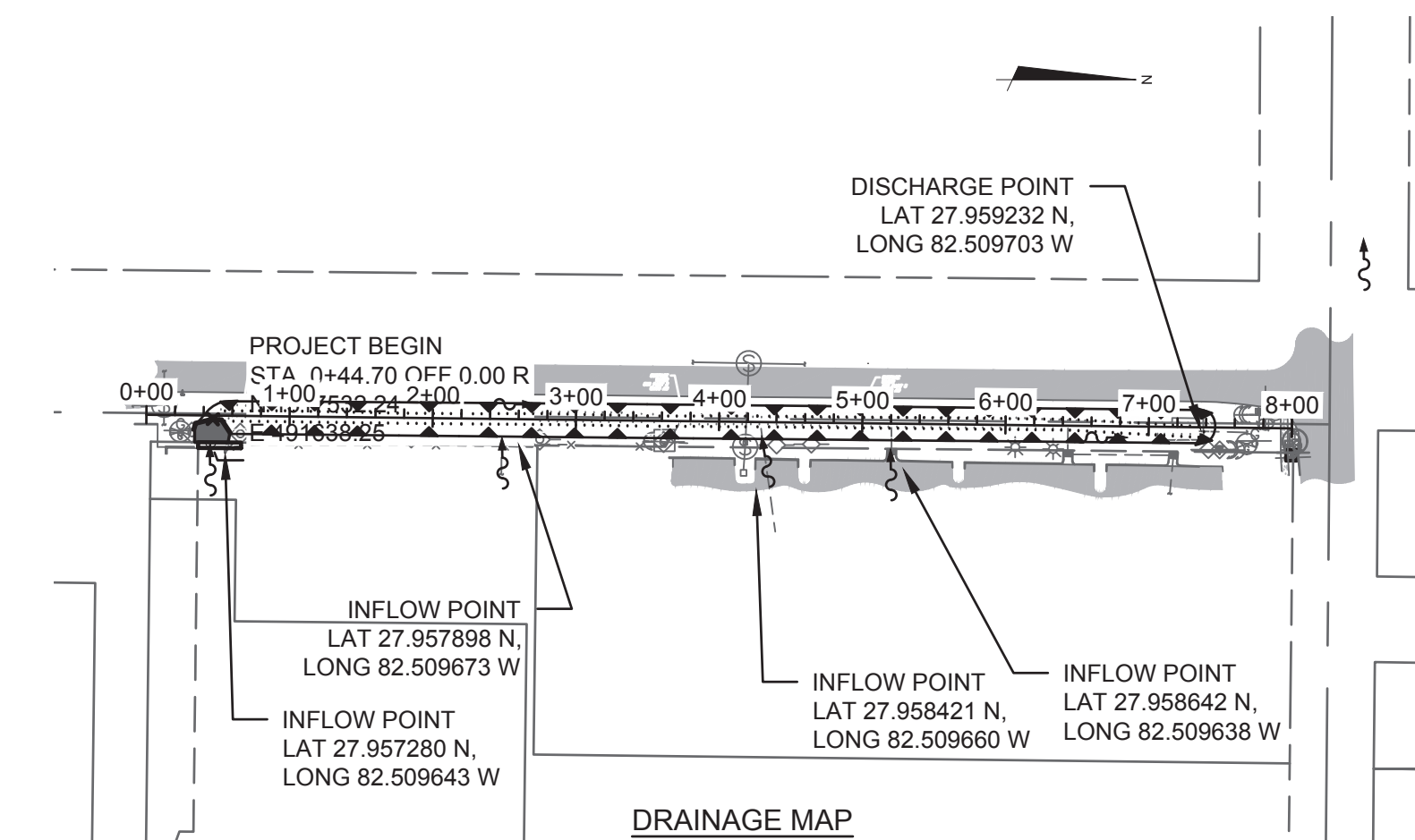
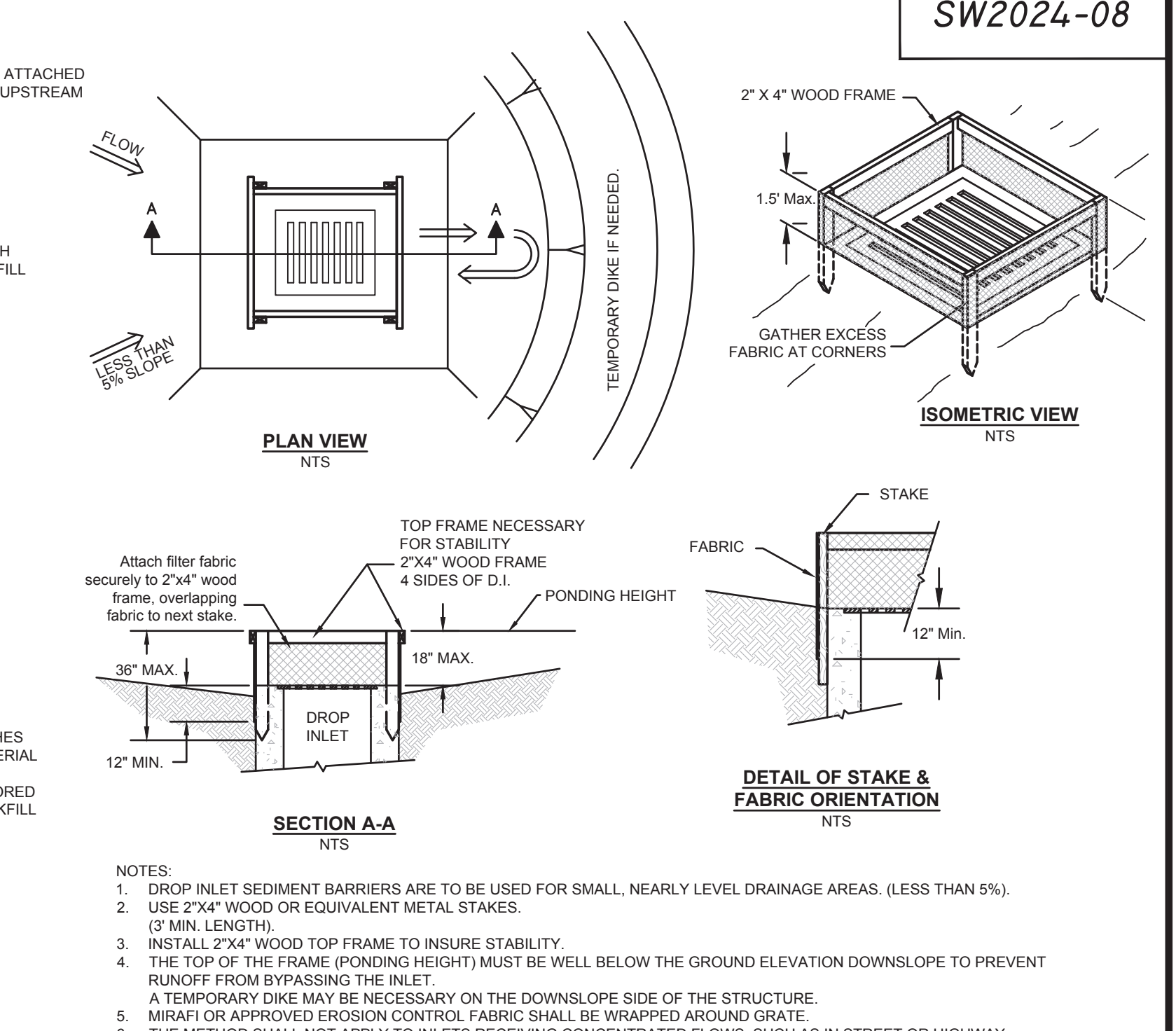
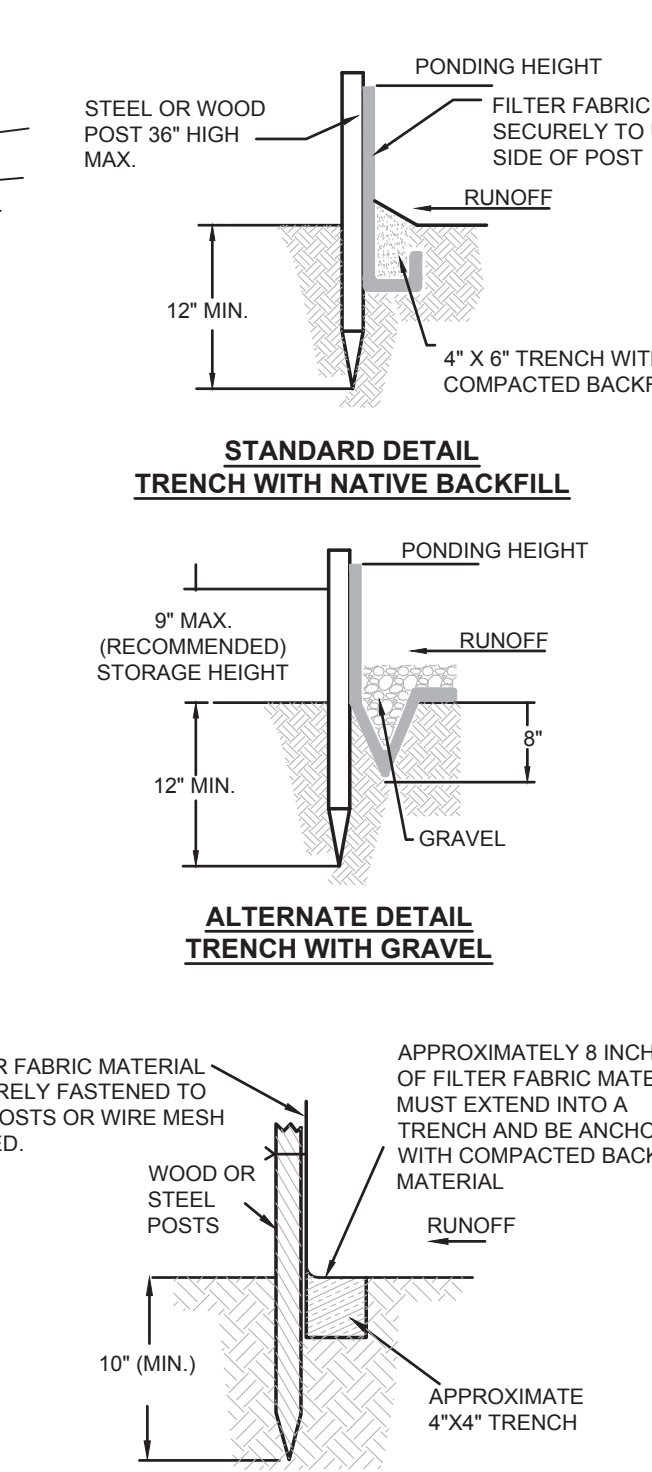
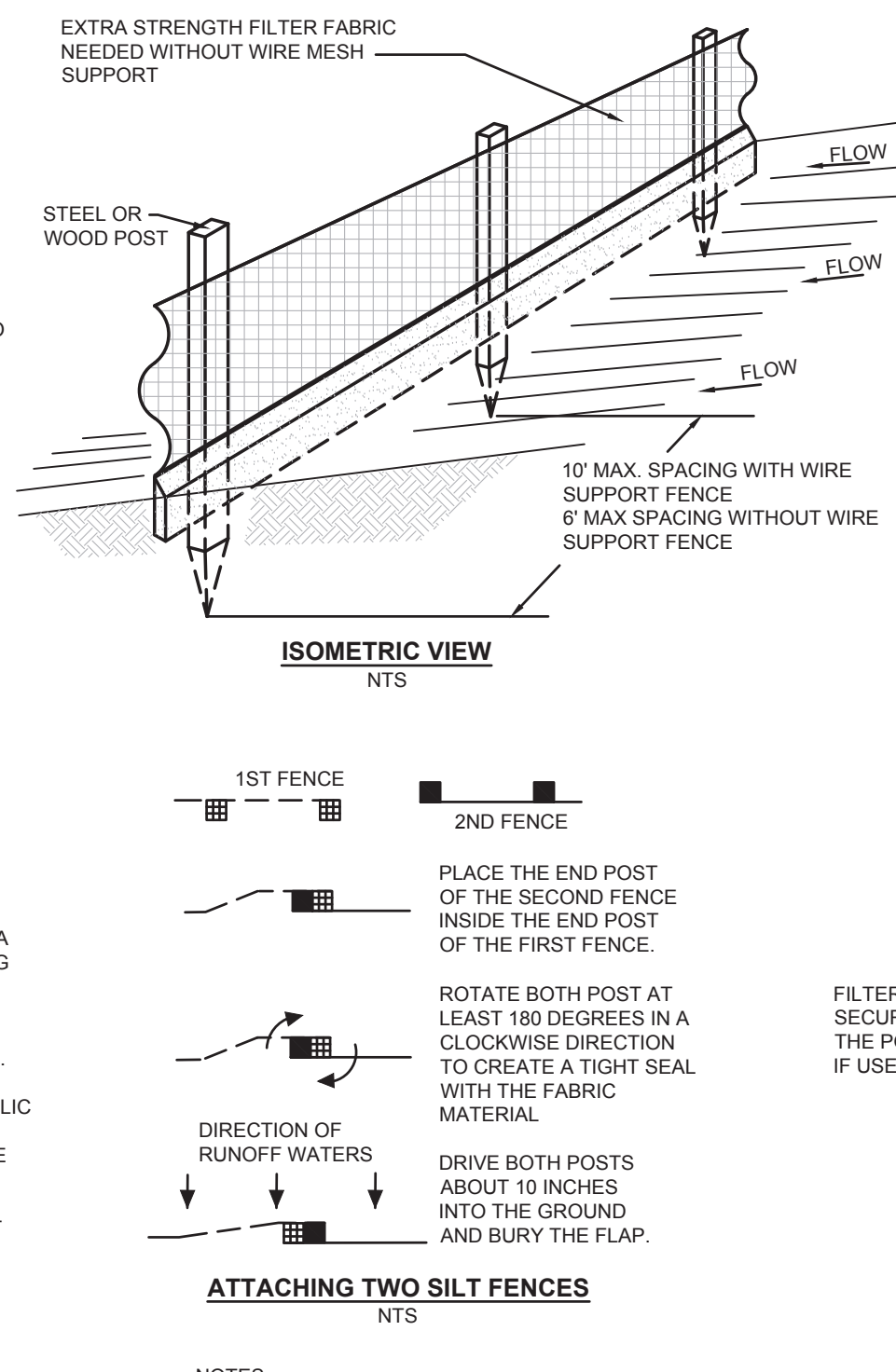
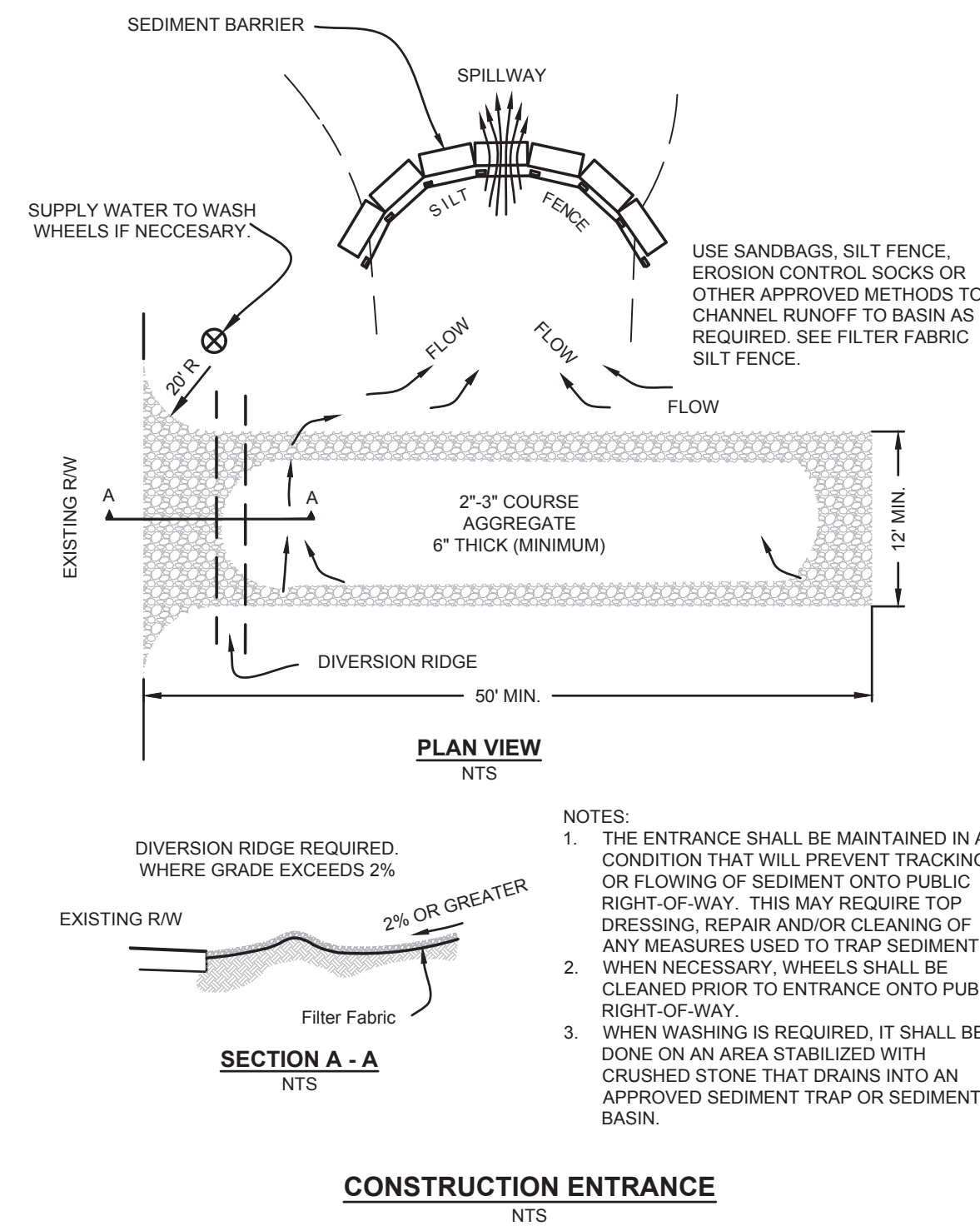
1. THE FOLLOWING IS PROVIDED FOR PERMIT REVIEW AND WILL NEED TO BE ADJUSTED BY THE CONTRACTOR FOR PROPOSED CONSTRUCTION METHODS AND PHASING. THIS SWPPP IS FOR GENERAL INFORMATION ONLY.
2. CONSTRUCTION ACTIVITIES WHICH DISTURB EXISTING GROUND COVER WILL REQUIRE APPROPRIATE EROSION AND SEDIMENTATION CONTROL (E&S) MEASURES. CONSTRUCTION ACTIVITIES WHICH MAY CAUSE SURFACE AND AIRBORNE DISCHARGES OF SEDIMENT ARE, BUT NOT LIMITED TO: CLEARING, GRUBBING, EXCAVATION, BACKFILLING, GRADING, AND INSTALLATION OF INFRASTRUCTURE. THE CONTRACTOR SHOULD ONLY EXPOSE (DENUDE) THE SMALLEST AREA NECESSARY TO COMPLETE A CONSTRUCTION ACTIVITY. THE CONTRACTOR MUST STABILIZE EXPOSED SOIL AS SOON AS POSSIBLE OR NO LATER THAN 14 DAYS AFTER CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED.
3. ALL E&S MEASURES AND DEVICES SHOULD BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEWER MANUAL, JULY 2013, FLORIDA DEPARTMENT OF TRANSPORTATION AND ENVIRONMENTAL PROTECTION.
4. THE CONTRACTOR IS RESPONSIBLE FOR ALL IMPACTS OF EROSION AND SEDIMENTS DURING CONSTRUCTION. THIS INCLUDES BUT IS NOT LIMITED TO: FINES, COST OF REPAIR, MITIGATION, LEGAL COSTS, AND LEGAL SETTLEMENTS.
5. CONTRACTOR SHALL MAINTAIN CURRENT E&S PLANS, BASED ON CONSTRUCTION METHODS, PHASE, AND OPERATIONS. THE CONTRACTOR SHALL MAINTAIN RAIN GAUGES ON THE PROJECT SITE AND RECORD THE WEEKLY RAINFALL. THE CONTRACTOR SHALL INSPECT AND MAINTAIN ALL ACTIVE E&S DEVICES WEEKLY OR WITHIN 24 HOURS OF A STORM EVENT THAT IS 0.5-INCHES OR GREATER. THE CONTRACTOR SHALL PREPARE REPORTS OF ALL INSPECTIONS, REPAIRS, AND MODIFICATIONS. THESE REPORTS WILL BE PROVIDED TO THE PROJECT OWNER AND ALL AUTHORITIES HAVING JURISDICTION AS REQUIRED.
6. ADDITIONAL PERMITTING COORDINATION MAY BE REQUIRED FOR CERTAIN ACTIVITIES. DEWATERING ACTIVITIES MAY REQUIRE ADDITIONAL E&S DEVICES. THE CONTRACTOR SHALL REVIEW THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) REQUIREMENTS FROM AUTHORITIES HAVING JURISDICTION (AHJs), WHICH MAY INCLUDE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP) AND OTHER LOCAL AUTHORITIES.
7. THE CONTRACTOR SHALL PROVIDE DETAILED CONSTRUCTION SCHEDULE AND UPDATED E&S PLAN TO THE OWNER PRIOR TO BEGINNING CONSTRUCTION AND RECONFIGURING E&S DEVICES, WHICH INDICATES MAJOR ACTIVITIES WHICH MAY EXPOSE SOIL AND WHERE TEMPORARY AND PERMANENT E&S MEASURES AND DEVICES WILL BE INSTALLED.
8. CONSTRUCTION ENTRANCE SHALL BE MAINTAINED TO PREVENT TRACKING SEDIMENT OFFSITE. VEHICLES LEAVING THE PROJECT AREA WITH SOIL MUST HAVE SOIL COVERED WITH TARPULIN. EXCESS SEDIMENT WILL BE REMOVED FROM PUBLIC RIGHT-OF-WAY DAILY.

**PROJECT SUMMARY**  
 TYPE = CAPITAL IMPROVEMENT (DRAINAGE)  
 AREA = ± 0.4 AC  
 DISTURBED AREA = ± 0.4 AC  
 PHASED PROJECT = NO

**PROJECT DESCRIPTION**  
 CHANNEL STABILIZATION, REGRADING OF DITCH AND CONSTRUCTION OF STORM SEWER.

**DRAINAGE SUMMARY**  
 DRAINAGE AREA = N/A  
 LOCATION OF DRAINAGE POINTS = SEE DRAINAGE MAP BELOW  
 RECEIVING WATER BODIES = N/A

**SOILS**  
 ARENTS, NEARLY LEVEL



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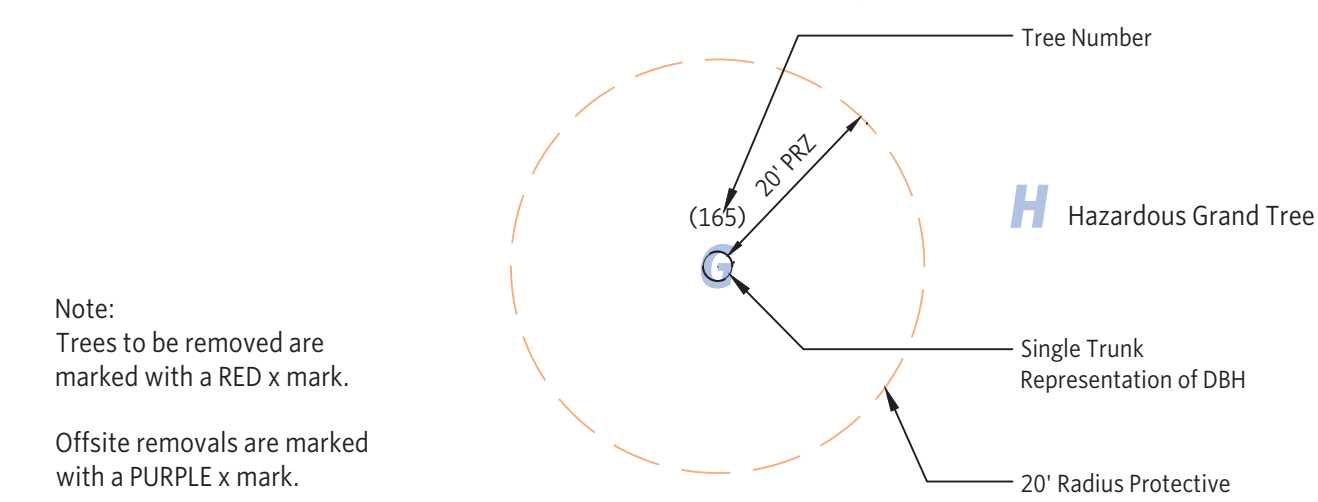
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 Mobility Department  
 Stormwater Engineering Division

**GRADY AVE DRAINAGE IMPROVEMENTS**  
 SWPPP NOTES

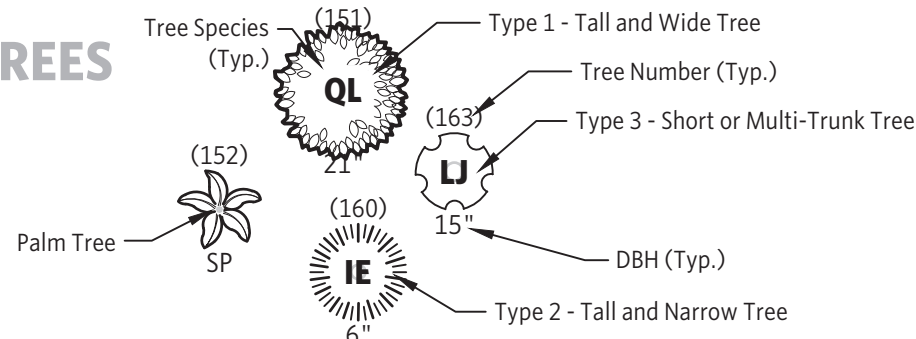
TREE INVENTORY LEGEND

GRAND TREES

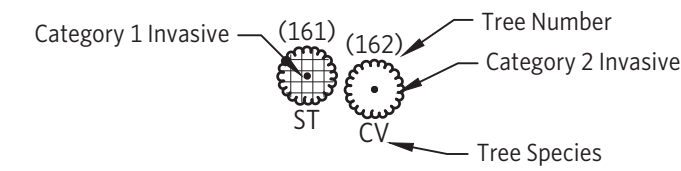


Note: Trees to be removed are marked with a RED x mark. Offsite removals are marked with a PURPLE x mark.

PROTECTED TREES



EXEMPT TREES



DATE OF ASSESSMENT: October 12th, 2022.

INVENTORY ASSIGNMENT NOTES

The objectives of the assignment were limited to the following components: 1. to conduct a tree inventory to identify all the on-site trees. 2. to identify any grand trees as defined by City of Tampa LDC Sec 27-43, Definitions. 3. to rectify any tree identification errors shown on the survey, if applicable. 4. to establish natural resource permitting requirements associated with the inventory.

A field investigation was conducted on the date of assessment. Each investigation was limited to the visual inspection of the on-site trees, their surrounding context, and a review of a tree survey prepared by a third-party surveyor. An arborist trainee assisted me in collecting tree dimensional data.

Tree survey data was imported to a data collection field tablet. The tablet was used to collect observations and photographs as needed. No physical notes were taken. If individual trees not captured on the survey were found, they were added to the digital record by generally located each tree using a Dual XGPS160 SkyPro GPS unit combined with aerial photograph interpretation.

Upon arrival to the site, I employed the following field review techniques to gather data: Trunk diameter at breast height (dbh) or 54 inches above the ground, taken with a diameter tape. For trees with more than one trunk (stem) originating at or near ground level (less than 36" high), the dbh of each stem was measured at 54" and the cross-sectional area of each stem was summed to derive an equivalent single trunk representative dbh. Photographs, taken with a field tablet or a Canon EOS 6D Mark II camera.

When advanced assessment was applicable, the following simple tools and review techniques were used: Crown spread measurement, taken with a mechanical wheel from the centroid of the trunk. When ground conditions or thick vegetation precluded use of the wheel, a tape measure or recent aerial photograph was used to measure spread. Height to base of limb, taken with a 35-foot Tel-O-Pole II measuring stick, when applicable. Tree height, taken with a laser hypsometer using three averaged points from one position. When the crown restricted measurement, an average height of 45 was used for tree point calculations. Approximation of extent of decay by sounding, listening for tones that may indicate certain conditions, taken with a soft-face mallet. Approximation of extent of decay by probing, taken with a 48" steel soil probe.

When overgrowth or obstructions restricted the collection of measurements, the applicable data element was omitted or approximated. No soil, water, or tissue tests were conducted unless otherwise noted. Assessments were a one-sided ground-based and generally followed ANSI A300 (Part 9)-2017 guidance. However, this assessment is not intended to be used as a tree risk assessment except as described in the City of Tampa Land Development Code Section 27-284.1.1 ("Matheny and Clark" hazard rating format for Grand Trees only). Within this permitting context, the time frame for the assessment was two years.

When typically single-trunked trees are fused at or near the ground, a pith test is performed to determine whether the tree grouping is separate trees or a single tree. The pith test is based on a technique discussed in the American Forests Champion Trees Measuring Guidelines Handbook (2019).

To tailor the inventory to jurisdictional requirements, data elements collected varied by tree classification: Grand Trees: species, dbh, condition rating, crown spread, and "Risk Evaluation" as described in the City of Tampa Land Development Code Section 27-284.1.1 (foreseeable targets may not be known at the time of assessment). Level 2: Basic Tree Risk Assessments were not performed unless specifically noted. Protected and specimen trees: species, dbh, condition rating, and Level 1: Limited Visual Tree Risk Assessment (foreseeable targets may not be known at the time of assessment). Palms: species and overall condition rating. Invasive trees: species only.

ASSUMPTIONS AND LIMITING CONDITIONS

- 1. Any legal description provided to the consultant is assumed to be correct. Any titles and ownerships to any property are assumed to be good and marketable. No responsibility is assumed for matters legal in character. Any and all property is appraised or evaluated as though free and clear, under responsible ownership and competent management.
2. Care has been taken to obtain all information from reliable sources. All data has been verified insofar as possible; however, the consultant can neither guarantee nor be responsible for the accuracy of information provided by others.
3. Unless expressed otherwise: (1) information contained in this inventory covers only those items that were examined and reflects the condition of those items at the time of inspection; and (2) the inspection is limited to visual examination of accessible items without dissection, excavation, probing, or coring. There is no warranty or guarantee, expressed or implied, that problems or deficiencies of the plants or property in question may not arise in the future.
4. Not all defects or conditions that predispose a tree or tree part to failure are detectable, nor are all failures predictable.
5. This inventory is not intended to establish a risk rating for every inventoried tree or tree part, evaluate risk mitigation options or recommendations, provide recommendations for additional assessments, determine residual risk following mitigation, or provide recommendations for monitoring or follow-up.

CERTIFICATION OF PERFORMANCE

- I, Richard Peterika, certify that:
1. I have personally inspected the trees and the property referred to in this inventory and have stated my findings accurately. The extent of the inventory is stated in the Inventory Assignment Notes.
2. I have no current or prospective interest in the vegetation or the property that is the subject of this inventory and have no personal interest or bias with respect to the parties involved.
3. The analysis, opinions, and conclusions stated herein are my own and are based on current scientific procedures and facts.
4. My analysis, opinions, and conclusions were developed and this inventory has been prepared according to commonly accepted arboricultural practices.
5. No one provided significant professional assistance to me, except as indicated within the assignment.
6. My compensation is not contingent upon the reporting of a predetermined conclusion that favors the cause of the client or any other party nor upon the results of the assessment, the attainment of stipulated results, or the occurrence of any subsequent events.

I further certify that I am a member in good standing of the American Society of Consulting Arborists and the International Society of Arboriculture. I am licensed by the Florida Department of Business and Professional Regulation as a Landscape Architect. I have been involved in the fields of Landscape Architecture and Arboriculture in a full-time capacity since 2009.

Richard F Peterika

2024.08.02 16:47:29 -04'00' August 2, 2024

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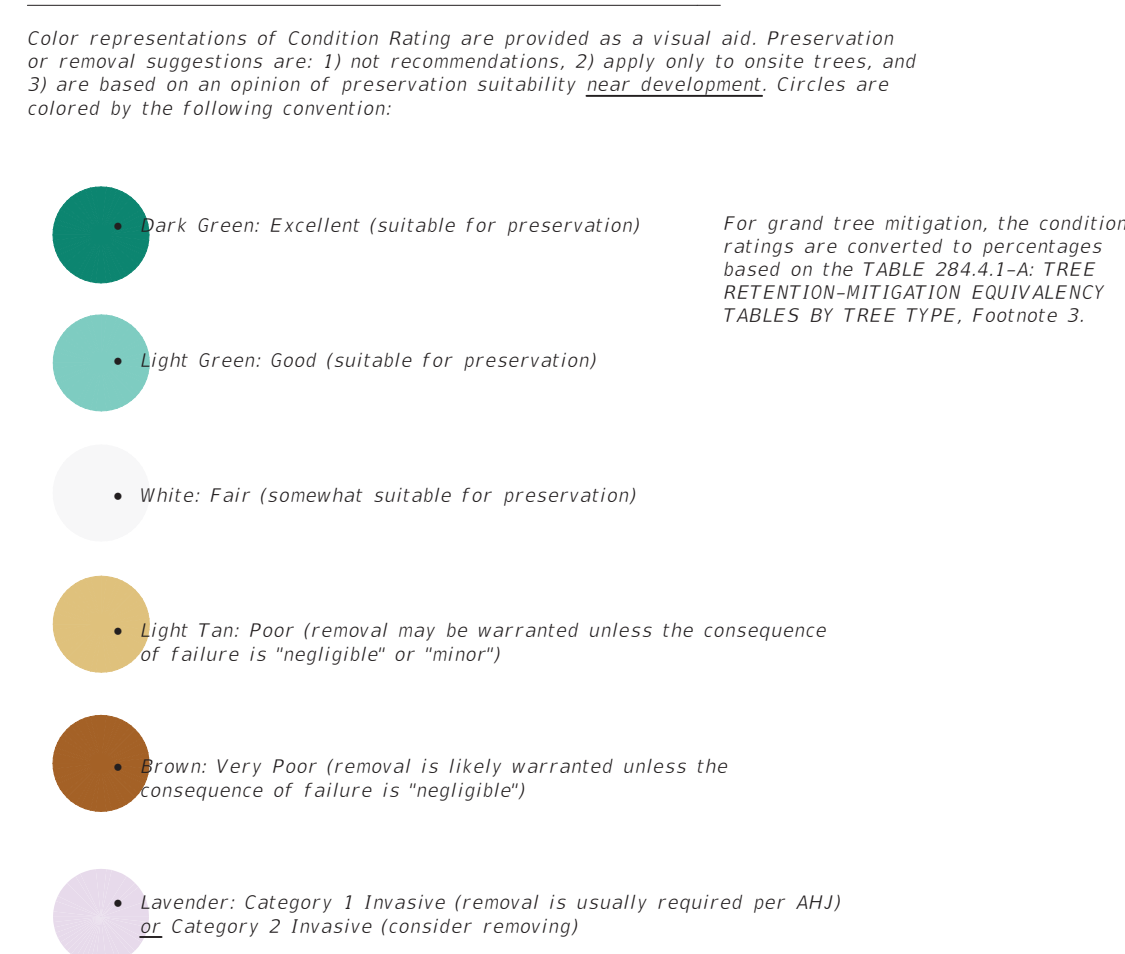
Richard Peterika, ASLA, AICP, RCA #641, ISA-FL #5893B

RICHARD PETERIKA ASLA, AICP, RCA #641, ISA-FL #5893B DARK MOSS LLC 308 E 7TH AVE TAMPA, FL 33602 813-532-3440

INVENTORY METRICS

Table with 3 columns: Category, Fair or Better % Preserved, Mitigation Trees Required. Includes Grand Trees Removed (0%), Total Onsite Trees (86), Jurisdictional Trees by CR (Type 1, 2, & 3: 83), Palms (0), A-B-C Trees by Size Class (Preserved or Relocated: 83, Removed: 2), Non-Hazardous Grands (0), Hazardous Grand Trees (0), Protected & Specimen (26/57), Offsite A-B-C Trees Removed (0), and Most Prevalent Onsite Species (% of Population).

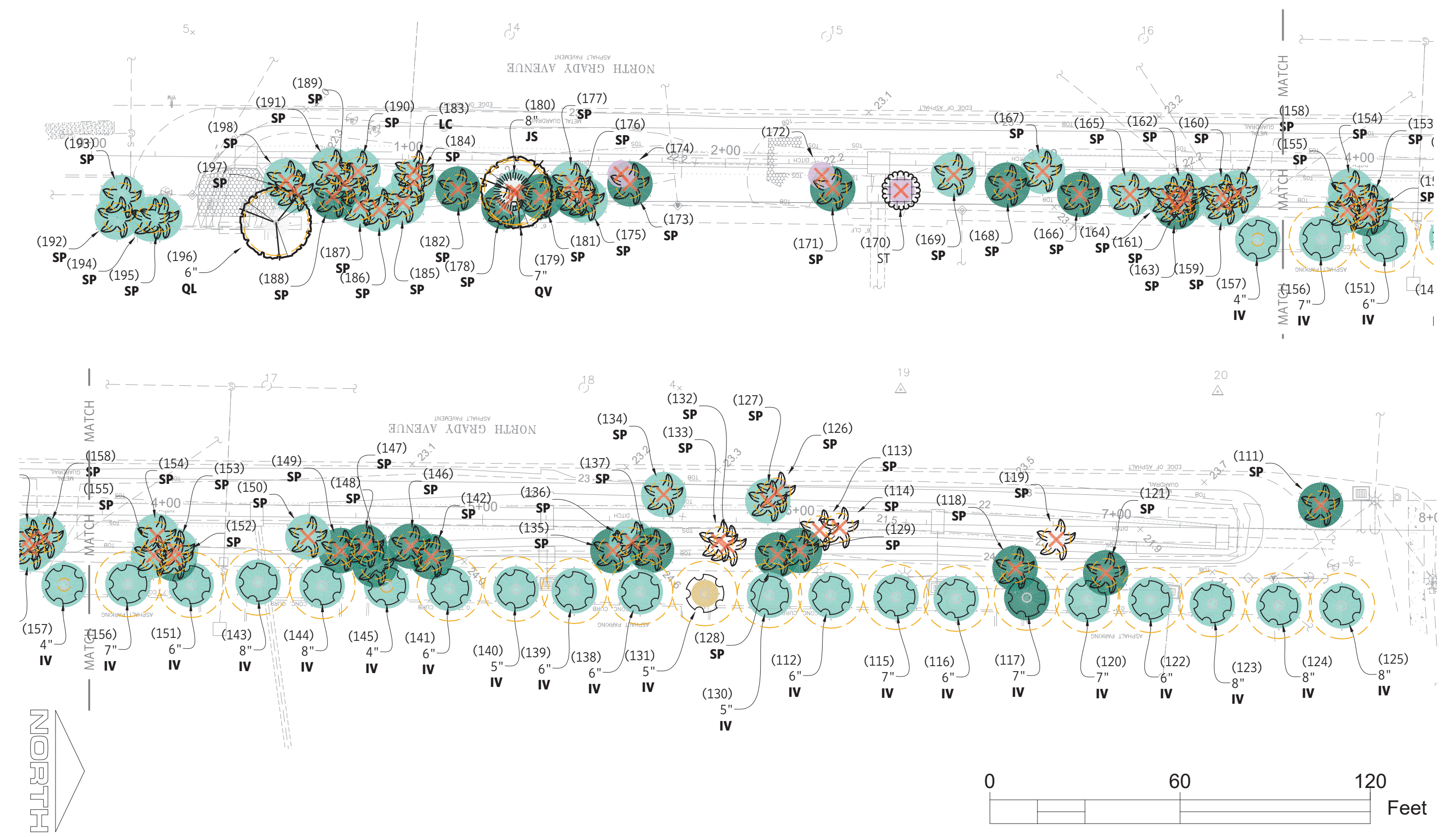
CONDITION RATING COLOR KEY



For grand tree mitigation, the condition ratings are converted to percentages based on the TABLE 284-4.1-4: TREE RETENTION-MITIGATION EQUIVALENCY TABLES BY TREE TYPE, Footnote 3.

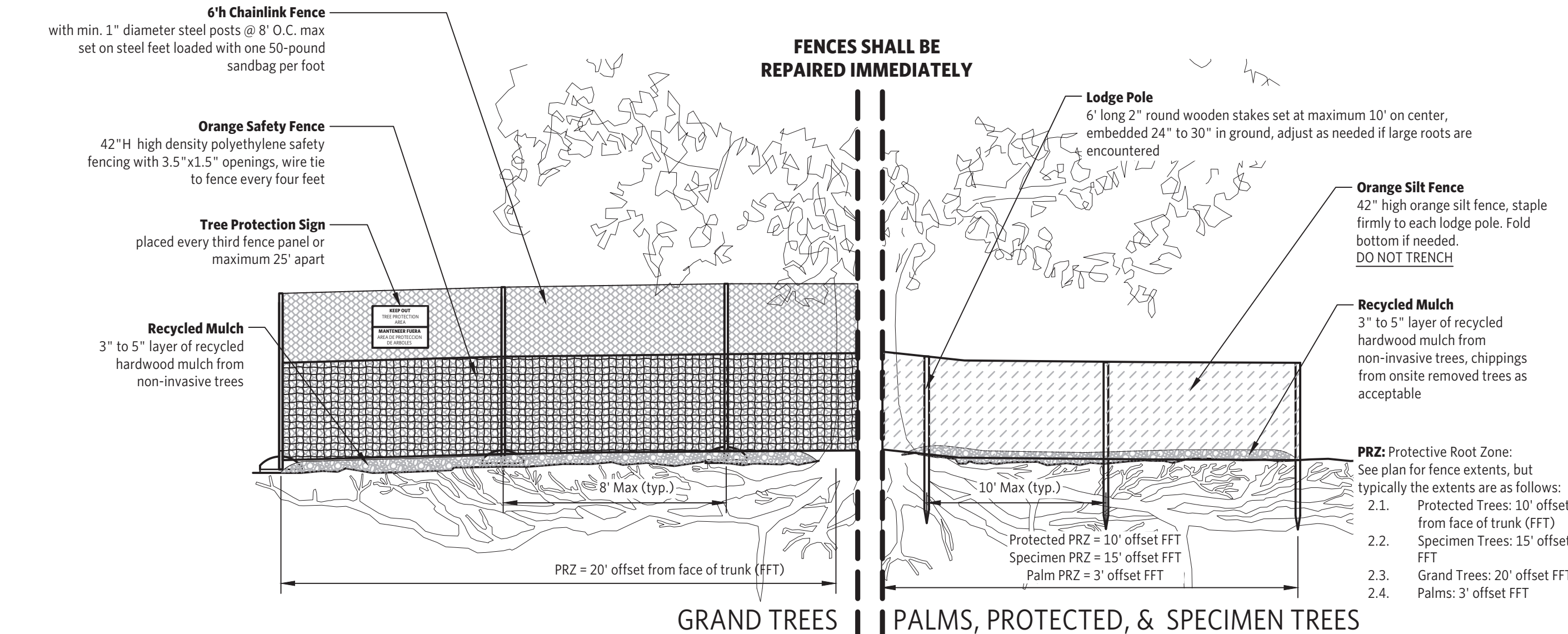
TREE EQUIVALENCY TABLE

Table with 4 columns: Tree Type, Retained, Removed, Credits/Debits. Includes Protected Trees, Grand Trees, Type 1: Tall & Wide, Type 2: Tall & Narrow, Type 3: Short & Wide/Multi-Stem, and Palms.



**TREE PROTECTION NOTES**

- Minimum protection standards shall be met for all protected trees, prior to commencement of any construction activities on a development site and/or in public or private right-of-way, in accordance with the tree protection graphics below.
- No changes to the predevelopment conditions within the approved protective root zone during the construction process.
- Protective barricades may be removed only to prepare the development site for final landscaping activities. During this activity only nonmechanical techniques may occur within the designated protective root zone. No alteration(s), of any kind, shall be made to any part of the tree (roots, trunk, canopy/crown), other than those that are approved by the Natural Resources Coordinator or designee, as part of the related permit.
- No parking or storing of vehicles, equipment, or materials is permitted within the minimum protective area, at any time.
- No site clearing or grading is permitted within the minimum protective area, other than those changes that are approved by the Natural Resources Coordinator or designee, as part of the related permit.
- In accordance with Section 22-328, Contractor shall adhere to the protection and pruning standards, as set forth in chapter 27-284 and ANSI standards, for protected, specimen, and grand tree species, located in the public rights-of-way and/or on private property. A provider shall not prune, remove, or irreversibly damage any protected or grand tree, as defined in chapter 27-284 of this Code, unless such activity is authorized by a permit issued by the city.
- All root pruning shall be overseen and approved by an arborist, prior to the pre-construction site inspection.
- All roots must be severed clean at the protective root zone of protected and grand trees to prevent root damage.
- Root pruning must be performed using equipment that is specifically design for root pruning, such as hand pruners, loppers, hand saws, reciprocating saws, oscillating saws, or small chain saws or mechanical root cutting equipment (i.e. Vermeer).
- Root pruning must be performed prior to any construction activities and inspected before requesting inspections. Contact Brian Knox, 813-274-3187.



**00 COMPOSITE TREE PROTECTION DETAIL (TAMPA)**  
1/4" = 1'-0"  
DETAIL-FILE

**RATING NOTES:**

- DBH and Permit DBH:**  
The species or structure of a tree can be incompatible with a municipal or jurisdictional ordinance. DBH is the arborist's field adjusted dbh determination, based on DBH measurement guidelines provided in the Guide for Plant Appraisal, 10th Edition (2018). Permit DBH is a translation of the field adjusted dbh to a value relevant to applicable permitting requirements. Typically, multi-stem trees are resolved into single-stem equivalents using trunk formula method. The Permit DBH for small multi-stem species may be visually estimated.
- H-S-F = CR "Health, Structure, and Form" to Condition Rating:**  
A composite, weighted assessment of health, structure, and form. Adapted from the Guide for Plant Appraisal, 10th Edition, second printing (2019) ("10th Edition"). Values range from: A-Excellent, B-Good, C-Fair, D-Poor, F-Very Poor or Dead.  
2.1. "Y" is used when no value is applicable.
- Excluded or Reserved**  
Tree survey data quality and utility can vary widely between different surveyors. The initial inventory data involves data transformation to isolate tree data and prepare it for field data collector import. Occasionally extra data points are imported. During the assessment, these points are field verified and either assessed or excluded. The excluded values are preserved in the table to provide consecutive numbering. Reasons to exclude a data point include:  
3.1. another type of survey point, such as a ground shot or irrigation valve;  
3.2. a surveyed tree that did not exist at the time of assessment;  
3.3. a tree part, such as a canopy extent measurement;  
3.4. a tree that is not recognized or protected in the jurisdiction due to size;  
3.5. or by the arborist's professional opinion.
- Disposition**  
Tree disposition is the decision to retain or remove the tree based on the arborist's evaluation of the cumulative impact of the proposed construction activity. This decision is based on the tree protection provided, general knowledge of the species, information on the tree's age and condition, and other relevant factors that may be applicable.

**TREE DISPOSITION SUMMARY TABLE**

tree_number	species_symbol	Botanical Name	common_name	is_grand?	dbh_permit	cot_cr_haz	species_rating	Disposition
172	XX	(n/a)						[--REMOVED--]
174	XX	(n/a)						[--REMOVED--]
179	QV	Quercus virginiana	Southern Live Oak		7	B-4	90	[--REMOVED--]
196	QL	Quercus laurifolia	Laurel Oak		6	C-3	70	Preserved
180	JS	Juniperus silicicola	Southern Red Cedar		8	C-3	90	[--REMOVED--]
112	IV	Ilex vomitoria	Yaupon Holly		6	B-3	90	Preserved
115	IV	Ilex vomitoria	Yaupon Holly		7	B-3	90	Preserved
116	IV	Ilex vomitoria	Yaupon Holly		6	B-3	90	Preserved
117	IV	Ilex vomitoria	Yaupon Holly		7	A-3	90	Preserved
120	IV	Ilex vomitoria	Yaupon Holly		7	B-3	90	Preserved
122	IV	Ilex vomitoria	Yaupon Holly		6	B-3	90	Preserved
123	IV	Ilex vomitoria	Yaupon Holly		8	B-3	90	Preserved
124	IV	Ilex vomitoria	Yaupon Holly		8	B-3	90	Preserved
125	IV	Ilex vomitoria	Yaupon Holly		8	B-3	90	Preserved
130	IV	Ilex vomitoria	Yaupon Holly		5	B-3	90	Preserved
131	IV	Ilex vomitoria	Yaupon Holly		5	D-3	90	Preserved
138	IV	Ilex vomitoria	Yaupon Holly		6	B-3	90	Preserved
139	IV	Ilex vomitoria	Yaupon Holly		6	B-3	90	Preserved
140	IV	Ilex vomitoria	Yaupon Holly		5	B-3	90	Preserved
141	IV	Ilex vomitoria	Yaupon Holly		6	B-3	90	Preserved
143	IV	Ilex vomitoria	Yaupon Holly		8	B-3	90	Preserved
144	IV	Ilex vomitoria	Yaupon Holly		8	B-3	90	Preserved
145	IV	Ilex vomitoria	Yaupon Holly		4	B-3	90	Preserved
151	IV	Ilex vomitoria	Yaupon Holly		6	B-3	90	Preserved
156	IV	Ilex vomitoria	Yaupon Holly		7	B-3	90	Preserved
157	IV	Ilex vomitoria	Yaupon Holly		4	B-3	90	Preserved
111	SP	Sabal palmetto	Cabbage Palm			A-4	90	[--REMOVED--]
113	SP	Sabal palmetto	Cabbage Palm			C-4	90	[--REMOVED--]
114	SP	Sabal palmetto	Cabbage Palm			C-4	90	[--REMOVED--]
118	SP	Sabal palmetto	Cabbage Palm			A-3	90	[--REMOVED--]
119	SP	Sabal palmetto	Cabbage Palm			C-4	90	[--REMOVED--]
121	SP	Sabal palmetto	Cabbage Palm			A-3	90	[--REMOVED--]
126	SP	Sabal palmetto	Cabbage Palm			X-4	90	[--REMOVED--]
127	SP	Sabal palmetto	Cabbage Palm			B-4	90	[--REMOVED--]
128	SP	Sabal palmetto	Cabbage Palm			A-3	90	[--REMOVED--]
129	SP	Sabal palmetto	Cabbage Palm			A-3	90	[--REMOVED--]
132	SP	Sabal palmetto	Cabbage Palm			C-3	90	[--REMOVED--]
133	SP	Sabal palmetto	Cabbage Palm			C-3	90	[--REMOVED--]
134	SP	Sabal palmetto	Cabbage Palm			B-3	90	[--REMOVED--]
135	SP	Sabal palmetto	Cabbage Palm			A-3	90	[--REMOVED--]
136	SP	Sabal palmetto	Cabbage Palm			B-3	90	[--REMOVED--]
137	SP	Sabal palmetto	Cabbage Palm			A-3	90	[--REMOVED--]
142	SP	Sabal palmetto	Cabbage Palm			A-3	90	[--REMOVED--]
146	SP	Sabal palmetto	Cabbage Palm			A-3	90	[--REMOVED--]
147	SP	Sabal palmetto	Cabbage Palm			A-3	90	Preserved
148	SP	Sabal palmetto	Cabbage Palm			A-3	90	[--REMOVED--]
149	SP	Sabal palmetto	Cabbage Palm			A-3	90	[--REMOVED--]
150	SP	Sabal palmetto	Cabbage Palm			B-3	90	[--REMOVED--]
152	SP	Sabal palmetto	Cabbage Palm			A-3	90	[--REMOVED--]
153	SP	Sabal palmetto	Cabbage Palm			B-3	90	[--REMOVED--]
154	SP	Sabal palmetto	Cabbage Palm			B-3	90	[--REMOVED--]
155	SP	Sabal palmetto	Cabbage Palm			B-3	90	[--REMOVED--]
158	SP	Sabal palmetto	Cabbage Palm			B-3	90	[--REMOVED--]
159	SP	Sabal palmetto	Cabbage Palm			B-3	90	[--REMOVED--]
160	SP	Sabal palmetto	Cabbage Palm			B-3	90	[--REMOVED--]
161	SP	Sabal palmetto	Cabbage Palm			B-3	90	[--REMOVED--]
162	SP	Sabal palmetto	Cabbage Palm			B-3	90	[--REMOVED--]
163	SP	Sabal palmetto	Cabbage Palm			A-3	90	[--REMOVED--]
164	SP	Sabal palmetto	Cabbage Palm			B-3	90	[--REMOVED--]
165	SP	Sabal palmetto	Cabbage Palm			B-3	90	[--REMOVED--]
166	SP	Sabal palmetto	Cabbage Palm			A-3	90	[--REMOVED--]
167	SP	Sabal palmetto	Cabbage Palm			B-3	90	[--REMOVED--]
168	SP	Sabal palmetto	Cabbage Palm			A-3	90	[--REMOVED--]
169	SP	Sabal palmetto	Cabbage Palm			B-3	90	[--REMOVED--]
171	SP	Sabal palmetto	Cabbage Palm			A-3	90	[--REMOVED--]
173	SP	Sabal palmetto	Cabbage Palm			A-3	90	[--REMOVED--]
175	SP	Sabal palmetto	Cabbage Palm			B-3	90	[--REMOVED--]
176	SP	Sabal palmetto	Cabbage Palm			A-3	90	[--REMOVED--]
177	SP	Sabal palmetto	Cabbage Palm			B-3	90	[--REMOVED--]
178	SP	Sabal palmetto	Cabbage Palm			A-3	90	[--REMOVED--]
181	SP	Sabal palmetto	Cabbage Palm			A-3	90	[--REMOVED--]
182	SP	Sabal palmetto	Cabbage Palm			A-3	90	[--REMOVED--]
183	LC	Livistona chinensis	Chinese Fan Palm			C-5	90	[--REMOVED--]
184	SP	Sabal palmetto	Cabbage Palm			B-3	90	[--REMOVED--]
185	SP	Sabal palmetto	Cabbage Palm			B-3	90	[--REMOVED--]
186	SP	Sabal palmetto	Cabbage Palm			B-3	90	[--REMOVED--]
187	SP	Sabal palmetto	Cabbage Palm			B-3	90	[--REMOVED--]
188	SP	Sabal palmetto	Cabbage Palm			A-3	90	[--REMOVED--]
189	SP	Sabal palmetto	Cabbage Palm			A-3	90	[--REMOVED--]
190	SP	Sabal palmetto	Cabbage Palm			B-3	90	[--REMOVED--]
191	SP	Sabal palmetto	Cabbage Palm			B-3	90	[--REMOVED--]
192	SP	Sabal palmetto	Cabbage Palm			B-3	90	Preserved
193	SP	Sabal palmetto	Cabbage Palm			B-3	90	Preserved
194	SP	Sabal palmetto	Cabbage Palm			B-3	90	Preserved
195	SP	Sabal palmetto	Cabbage Palm			B-3	90	Preserved
197	SP	Sabal palmetto	Cabbage Palm			B-3	90	[--REMOVED--]
198	SP	Sabal palmetto	Cabbage Palm			B-3	90	[--REMOVED--]
170	ST	Schinus terebinthifolius	Brazilian Pepper			-	0	[--REMOVED--]

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No.	DATE	REVISIONS	No.	DATE	REVISIONS

DES:  
DRN:  
CKD:  
DATE:

**CITY of TAMPA**  
Mobility Department  
Stormwater Engineering Division

**GRADY AVE DRAINAGE IMPROVEMENTS**  
TREE TABLES AND  
PROTECTION NOTES

SHEET  
TRI.1  
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