

NOTE:
THESE PLANS MAY HAVE BEEN REDUCED OR INCREASED IN
SIZE BY REPRODUCTION(S). THIS MUST BE CONSIDERED WHEN
OBTAINING SCALED DATA.

SITE DATA TABLE

SITE ADDRESS: 11901 KELLY ROAD, FT. MYERS, FL 33908
SITE AREA: ±216,736 S.F. (4.98 AC.)
ZONING DESIGNATION: RM-2 (RESIDENTIAL MULTIFAMILY)
FUTURE LAND USE: CENTRAL URBAN
DEVELOPMENT TYPE: MULTI FAMILY
PROPOSED USE: MULTI FAMILY
CONSTRUCTION TYPE: V
MAX. ALLOWABLE BLDG. HEIGHT: 35.00'
PROPOSED MAX. BLDG. HEIGHT: 21.50'
STRAP #: 06-46-24-10-00000.0280
FEMA FLOOD ZONE: "AE" - EL 7 FEET
FLUCCS CODE: 1900 - OPEN LAND
1330 - MULTIPLE DWELLING UNITS, LOW RISE
SOILS: 13 - BOCA FINE SAND
6 - HALLANDALE FINE SAND

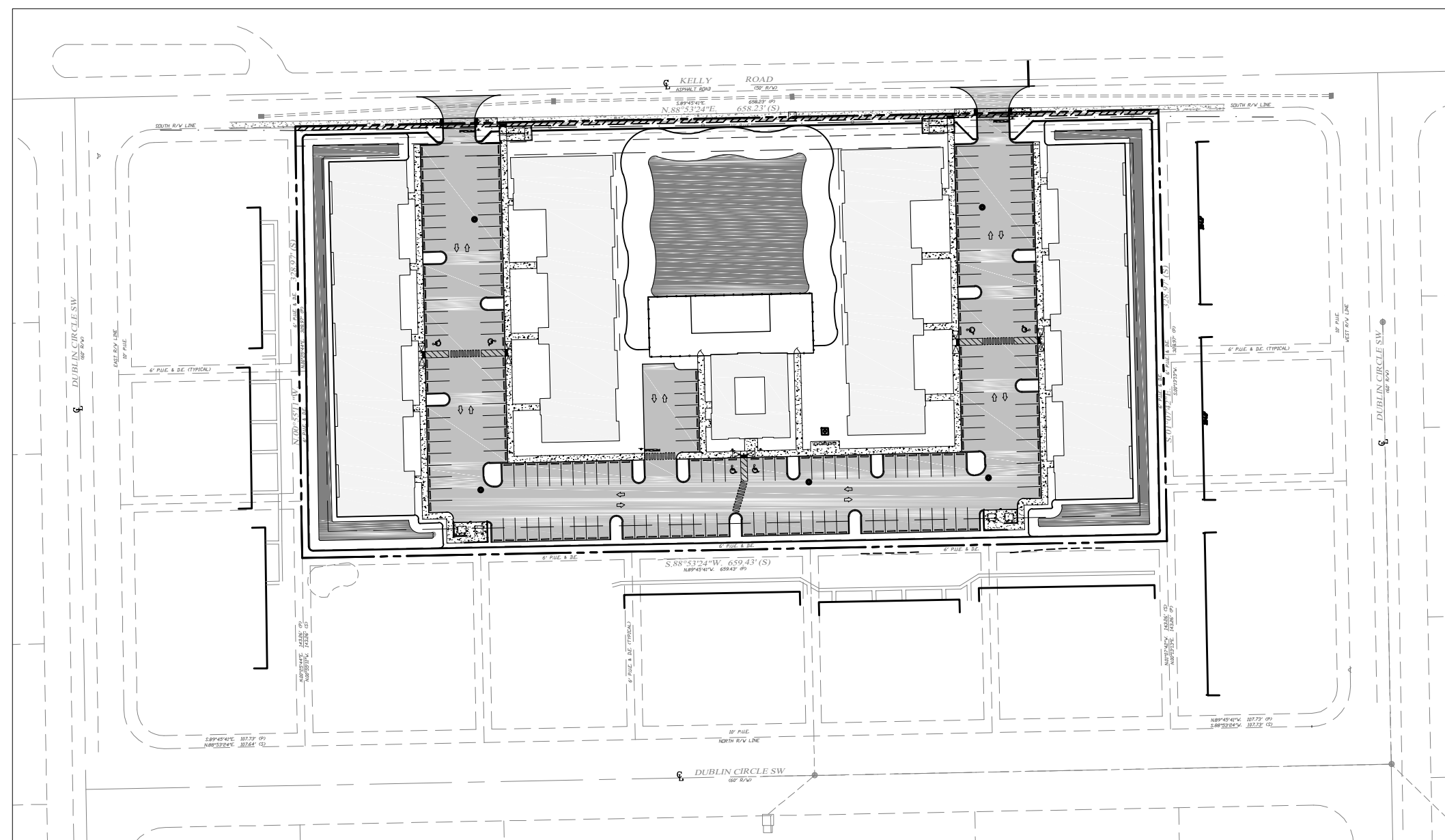
**SITE CONSTRUCTION PLANS
FOR
KELLY ROAD 76 UNIT
11901 KELLY ROAD
SECTION 06, TOWNSHIP 46 S, RANGE 24 E
FORT MYERS, FLORIDA 33908**



DATE: 06/03/21
PROJ. #: 21-108
CAD TECH: ACS
ENGINEER: PETER M. MAASRICHT, P.E.
FL LICENSE NUMBER: 58680

**MAASRICHT
ENGINEERING**

7375 COLLEGE PARKWAY, SUITE 211 • FORT MYERS, FL 33907 • (239) 921-1008 • PETER@MAASRICHT.COM



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LOCATION MAP
N.T.S.

Digitally signed by Peter M. Maasricht P.E. 58680, cn=Peter M. Maasricht P.E. 58680, o=This item has been electronically signed and sealed by Peter M. Maasricht P.E. using a SHA-1 authentication code. Printed copies of this document are not considered signed and sealed and the SHA-1 authentication code must be verified on any electronic copies. ou=Engineering, email=petem@maasricht-eng.com, c=US
Date: 2022.03.18 13:08:48 -0400
Adobe Acrobat version: 2022.001.20085

VICINITY MAP

SCALE: 1" = 100' (24"x36")
1" = 200' (11"x17")



UTILITY COMPANIES

ELECTRIC:
FLORIDA POWER & LIGHT COMPANY
4840 BALLARD ROAD
FT. MYERS, FL 33905
(239) 332-9137

CABLE:
COMCAST
8061 DANI DRIVE, SUITE 120
FORT MYERS, FL 33966
(800) 266-2278

WASTE COLLECTION:
WASTE PRO
13110 RICKENBACKER PKWY.
FORT MYERS, FL 33913
(239) 337-0800

WASTEWATER:
LEE COUNTY UTILITIES
1500 MONROE STREET
FT. MYERS, FL 33901
(239) 533-8181

POTABLE WATER:
LEE COUNTY UTILITIES
1500 MONROE STREET
FT. MYERS, FL 33901
(239) 533-8181

NATURAL GAS:
TECO / PEOPLE GAS
5901 ENTERPRISE PARKWAY
FORT MYERS, FL 33905
(239) 690-5507

TELEPHONE:
CENTURYLINK TELEPHONE
8441 LITTLETON ROAD
NORTH FORT MYERS, FL 33903
(239) 336-2189
ATTN: SABRINA THOMPSON

LAND USE TABLE

	SITE S.F.	ACRES	%
TOTALS	216,736	4.98	100.00
BUILDINGS	57,616	1.32	26.58
CONCRETE	10,132	0.23	4.67
PAVEMENT, POOL DECK	62,038	1.29	26.01
IMPERVIOUS	129,786	2.98	59.78
RETENTION AREA	19,139	0.44	8.83
LAKE AREA	22,111	0.51	10.20
GREEN SPACE	45,700	1.05	21.18
PERVIOUS	86,950	2.00	40.22

LOCATION	ZONING / FLU	LAND USE	LANDSCAPE BUFFERS	TYPE	REQ'D/PROV'D
SITE:	RM-2 / CU	PROJECT SITE	EAST (FRONT):	-	0'
NORTH:	RPD & AG-2 / CU	RESIDENTIAL	WEST (REAR):	-	0'
EAST:	RM-2 / CU	RESIDENTIAL	NORTH (SIDE):	"D"	15'
SOUTH:	RM-2 / CU	RESIDENTIAL	SOUTH (SIDE):	-	0'
WEST:	RM-2 / CU	RESIDENTIAL			

PARKING REQUIREMENTS
(PER LEE COUNTY LDC 34-2020(a))

MULTIPLE-FAMILY: 2 SPACES PER UNIT
+ 10% OF REQUIRED FOR GUEST PARKING
76 UNITS x 2 SPACES = 152 SPACES
152 SPACES x 10% = 15.2 SPACES
152 + 15.2 = 167.2 SPACES
SPACES REQUIRED = 167.2

CLUBHOUSE: 4 SPACES PER 1,000 S.F. OF TOTAL FLOOR AREA
3,200 S.F. / 1000 x 4 = 12.8 SPACES
SPACES REQUIRED = 12.8 SPACES

TOTAL REQUIRED SPACES: 180 SPACES
TOTAL PROVIDED SPACES: 180 SPACES (INCLUDING 6 HANDICAP SPACES)

MINIMUM SETBACKS	REQ'D	PROV'D
NORTH (STREET):	25'	25.0'
EAST (SIDE):	20'	25.0'
WEST (SIDE):	20'	25.0'
SOUTH (REAR):	20'	30.8'

**CALL 48 HOURS
BEFORE YOU DIG**



**IT'S THE LAW!
DIAL 811** Know what's below.
Call before you dig.

SUNSHINE STATE ONE CALL OF FLORIDA, INC.

DEVELOPER:
PETER M. MAASRICHT
INTERNAL
2609 COLLINS AVE
MIAMI BEACH FL, FL 33140

DATE	BY	REVISION DESCRIPTION
06/03/21	ACS	LEE COUNTY 1ST INSUFFICIENCY LETTER AUGUST
11/30/21	ACS	SWFWD 1ST RAI NOVEMBER
02/14/22	ACS	SWFWD 2ND RAI FEBRUARY
06/03/21	ACS	LEE COUNTY 2ND INSUFFICIENCY LETTER DECEMBER

**KELLY ROAD 76 UNIT
MULTI-FAMILY
11901 KELLY ROAD
FORT MYERS, FL 33908**

**COVER
SHEET**

**SHEET
1 OF 16**

ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN REDUCED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.

GENERAL CONSTRUCTION NOTES:

- REFER TO CONTRACT DOCUMENTS AND TECHNICAL SPECIFICATIONS FOR ADDITIONAL INFORMATION, CONTRACTOR'S RESPONSIBILITIES AND DETAILS.
- THE CONTRACTOR SHALL BE REQUIRED TO MEET ALL "MAINTENANCE OF TRAFFIC" REQUIREMENTS AS PRESCRIBED IN THE CURRENT FDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", F.H.W.A. MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, PART VI, CURRENT EDITION, AND ALL APPLICABLE SECTIONS OF THE ROAD AND TRAFFIC DESIGN STANDARDS, FLORIDA DEPARTMENT OF TRANSPORTATION, CURRENT EDITION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITIES IN THE AREA OF CONSTRUCTION PRIOR TO BEGINNING CONSTRUCTION. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE ANY UTILITY RELOCATION WITH THE APPLICABLE UTILITY COMPANY. NO COMPENSATION OR TIME EXTENSION WILL BE ISSUED TO THE CONTRACTOR FOR DELAYS CAUSED BY UTILITIES.
- THE CONTRACTOR SHALL COMPLY WITH CURRENT FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) SPECIFICATIONS. SPECIFICALLY IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE "SPECIFICATIONS FOR ROAD BRIDGE CONSTRUCTION" AND THE "ROAD AND TRAFFIC DESIGN STANDARDS", UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL VERIFY ALL BUILDING DIMENSIONS WITH THE ARCHITECTURAL PLANS PRIOR TO CONSTRUCTION. ANY DISCREPANCY NOT CALLED TO THE ENGINEER'S ATTENTION PRIOR TO THE ACCOMPLISHMENT OF THE WORK SHALL BE CORRECTED BY AND AT THE CONTRACTOR'S EXPENSE.
- THERE ARE NO KNOWN WELLS LOCATED ON THIS JOB SITE. IN ADDITION TO THE WELL SHOWN ON THE SITE PLAN, IF ANY OTHER WELLS ARE LOCATED DURING CONSTRUCTION THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE ENGINEER.
- ALL PRACTICABLE AND NECESSARY EFFORTS SHALL BE TAKEN DURING CONSTRUCTION TO CONTROL AND PREVENT EROSION AND TRANSPORT OF SEDIMENT TO SURFACE DRAINS, SWALES AND OUTFALLS. (REFER TO EROSION CONTROL PLAN).
- WHERE THE NEW PAVEMENT IS DISCONTINUED IT SHALL BE FLUSH WITH OR HAVE A SMOOTH TRANSITION WITH ADJACENT PAVEMENT.
- ALL INVERT ELEVATIONS NOTED FOR DRAINAGE STRUCTURES ARE FLOW LINE ELEVATIONS.
- ALL ELEVATIONS, PROPOSED AND EXISTING, REFERENCE THE NORTH AMERICAN VERTICAL DATUM (N.A.V.D.) 1988.**
- AT THE CONTRACTOR'S EXPENSE, ALL FRAMES, COVERS, VALVE BOXES, METER BOXES AND MANHOLES SHALL BE ADJUSTED TO FINISHED GRADE UPON COMPLETION OF PAVING OR RELATED CONSTRUCTION.
- ANY SURPLUS MATERIAL WILL REMAIN THE PROPERTY OF THE OWNER, AND THE CONTRACTOR, AT HIS EXPENSE SHALL STOCKPILE THE SURPLUS MATERIAL AS DIRECTED BY OWNER.
- THE LIMITS OF CONSTRUCTION SHALL MATCH THE LIMITS OF CLEARING & GRUBBING UNLESS OTHERWISE NOTED ON PLANS.
- ALL UTILITY WORKMANSHIP AND MATERIALS FOR THIS PROJECT SHALL BE IN STRICT ACCORDANCE WITH THE SPECIFICATIONS AND STANDARDS OF THE DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEP), THE STATE OF FLORIDA DEPARTMENT OF HEALTH AND REHABILITATIVE SERVICES (HRS).
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND VERIFY THE SIZE, DEPTH AND LOCATION OF ALL UTILITIES IN THE FIELD WITHIN THE PROJECT LIMITS PRIOR TO CONSTRUCTION. ANY UTILITIES THAT ARE DISTURBED OR DAMAGED BY THE CONTRACTOR SHALL BE IMMEDIATELY REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE. ANY DISCREPANCY NOT CALLED TO THE ENGINEER'S ATTENTION PRIOR TO THE ACCOMPLISHMENT OF THE WORK SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE. THE ENGINEER AND/OR OWNER WILL NOT GUARANTEE ANY LOCATIONS AS SHOWN ON THESE PLANS OR THOSE OMITTED FROM THE SAME.
- ALL DISTURBED AREAS WITHIN PROJECT SITE SHALL BE REGRADED TO MATCH EXISTING GRADES AND RESTORED TO PRE-CONSTRUCTION CONDITIONS.
- CONCRETE SIDEWALK: USE CLASS I, 3000 PSI (MINIMUM) CONCRETE. APPLY A BROOM FINISH AND MAKE VERTICAL SAW CUTS AT 5' ON CENTER AT A DEPTH OF 1/4 OF THE SLAB THICKNESS. PROVIDE PRE-FORMED EXPANSION JOINTS AT 100' ON CENTER.
- ALL HANDICAP SPACES, RAMPS, AND ACCESS AREAS SHALL COMPLY IN STRICT ACCORDANCE WITH THE "AMERICAN DISABILITY ACT" (ADA) (28 CFR PART 36), AND "ACCESSIBILITY BY HANDICAPPED PERSONS" CHAPTER 553, PART V, FLORIDA STATUTES. ANY DISCREPANCY SHALL BE CALLED TO THE ENGINEERS ATTENTION PRIOR TO CONSTRUCTION.
- CONCRETE CURB & GUTTER AND STRAIGHT CURB: USE CLASS I, 3000 PSI (MINIMUM) CONCRETE. MAKE VERTICAL SAW CUTS EVERY 10' ON CENTER WITH PRE-MOLDED EXPANSION JOINTS EVERY 100' ON CENTER.
- PAVEMENT MARKINGS AND SIGNS SHALL BE IN STRICT ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.) FOR STREETS AND HIGHWAYS" AND FDOT STANDARD INDEX #17346.
- STORM DRAIN (SD) SHALL BE REINFORCED CONCRETE PIPE, ADS N-12, ALUMINUM, PVC SDR-35, A-2000 PVC, OR AS SHOWN ON PLANS. NO STEEL PIPE, NON REINFORCED CONCRETE PIPE, OR FIBER REINFORCED PIPE.
- THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER SHOP DRAWINGS OF ANY AND ALL MATERIALS, STRUCTURES, PIPING, VALVES, VALVE BOXES, ETC. TO BE USED ON SITE PRIOR TO ORDERING OR INSTALLING, INCLUDING MFG. OF SAME.
- ALL PIPE CONNECTIONS JOINTS SHALL BE IN ACCORDANCE WITH LEE COUNTY UTILITY DESIGN STANDARDS STANDARDS, FDOT INDEX 280 AND FDOT SPEC. 430-7.
- WATER MAIN, FIRE MAIN & FIRE HYDRANT WITHIN PROPERTY WILL REMAIN PRIVATELY OWNED.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN A TALL STRUCTURE PERMIT WITH LEE COUNTY PORT AUTHORITY IF CONSTRUCTION EQUIPMENT EXCEEDS THE DESIGNATED AIRSPACE NOTIFICATION HEIGHT. THE CONTACT FOR THIS PERMIT IS THE LCPA AIRPORT PLANNER AT 239-590-4609 AND THE PROCESS CAN BE FOUND AT [HTTP://WWW.FLYLCPA.COM/TALLSTRUCTUREAPPLICATION](http://www.FLYLCPA.COM/TALLSTRUCTUREAPPLICATION).

DEMOLITION NOTES:

- ALL ELEVATIONS, PROPOSED AND EXISTING, REFERENCE THE NORTH AMERICA VERTICAL DATUM (N.A.V.D.) 1988.**
- CONTRACTOR SHALL LOCATE AND VERIFY THE SIZE, LOCATION, AND DEPTH OF ALL EXISTING UTILITIES IN THE FIELD AND SHALL NOTIFY THE UTILITY COMPANIES IN THE AREA BEFORE BEGINNING CONSTRUCTION. ANY UTILITIES THAT ARE DISTURBED OR DAMAGED BY THE CONTRACTOR SHALL BE IMMEDIATELY REPAIRED OR REPLACED BY THE CONTRACTOR AT HIS EXPENSE. ANY DISCREPANCY NOT CALLED TO THE ENGINEER'S ATTENTION PRIOR TO ACCOMPLISHMENT OF THE WORK SHALL BE CORRECTED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND DEMOLITION OF ANY EXISTING STRUCTURES WITHIN THE PROJECT LIMITS. ALL DEBRIS GENERATED SHALL BE REMOVED FROM THE SITE AND HAULED TO A COUNTY APPROVED OFF-SITE DUMP. THE CONTRACTOR SHALL ACQUIRE ALL NECESSARY PERMITS FOR THESE OPERATIONS.
- RELOCATION OR REMOVAL OF EXISTING LANDSCAPE MATERIAL SHALL BE COORDINATED WITH THE OWNER AND/OR LANDSCAPE ARCHITECT.
- THE CONTRACTOR, AT HIS OWN EXPENSE AND IN CONFORMANCE WITH ANY APPLICABLE GOVERNMENTAL REGULATION, SHALL DURING THE COURSE OF AND AFTER COMPLETION OF CONSTRUCTION, REMOVE FROM THE JOB SITE AND DISPOSE OF, IN AN AUTHORIZED GARBAGE OR RUBBISH DISPOSAL SITE, ALL RUBBISH, SCRAP, AND DEBRIS ACCUMULATED IN CONNECTION WITH HIS WORK AND SHALL DELIVER THE WORK IN A NEAT AND WORKMANLIKE MANNER.
- DURING USE OF STREETS AND HIGHWAYS FOR WORK TO BE DONE UNDER THIS CONTRACT, DETERMINE AND CONFORM TO ALL STATE, COUNTY, AND LOCAL LAWS AND REGULATIONS. THE CONTRACTOR SHALL PROVIDE, ERECT, AND MAINTAIN EFFECTIVE BARRICADES, WARNING SIGNALS AND SIGNS ON ALL AFFECTED STREETS OR HIGHWAYS FOR PROTECTION OF COMPLETED WORK AND TO ENSURE THE SAFETY OF THE PUBLIC. ALL BARRICADES OR OBSTRUCTIONS WHICH ENCR OACH ON, OR ARE ADJACENT TO, PUBLIC RIGHTS-OF-WAYS SHALL BE PROVIDED WITH LIGHTS WHICH SHALL BE KEPT ILLUMINATED AT ALL TIMES BETWEEN SUNSET AND SUNRISE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGE RESULTING FROM ANY NEGLECT OR FAILURE TO MEET THESE REQUIREMENTS.
- THE CONTRACTOR SHALL ARRANGE WORK TO MINIMIZE AMOUNT OF DISTURBANCE TO NORMAL PEDESTRIAN AND VEHICULAR TRAFFIC AND PROVIDE ADEQUATE MEANS OF ACCESS TO ALL PUBLIC AND PRIVATE PROPERTIES DURING CONSTRUCTION. IF CONSTRUCTION WORK SHOULD REQUIRE REPAIRS, CHANGES, OR MODIFICATIONS OF OTHER UTILITIES, THE CONTRACTOR SHALL PROVIDE FOR MAINTENANCE OF CONTINUOUS WATER, ELECTRIC, TELEPHONE, GAS, SEWAGE, AND OTHER UTILITY SERVICES TO ALL CONNECTED CUSTOMERS OF SUCH UTILITIES UNLESS APPROVAL IN WRITING IS OBTAINED FROM UTILITY COMPANY OR OWNER FOR INTERRUPTION OF SUCH SERVICES.
- CONTRACTOR SHALL CLEAN OR REPAIR ANY EXISTING INLETS & S.D. PIPES. WITHIN SITE THAT WHERE DAMAGED OR DISTURBED DURING CONSTRUCTION.
- EXISTING AREA LIGHTING REMOVAL AND/OR RELOCATION SHALL BE COORDINATED W/ OWNER AND APPROVED SITE LIGHTING PLAN. UNDERGROUND ELECTRIC AND TRANSFORMER RELOCATION SHALL BE COORDINATED W/OWNER AND L.C.E.C. OR FPL.
- EXISTING LANDSCAPING TO BE REMOVED AND/OR RELOCATED SHALL BE COORDINATED WITH OWNER AND/OR OWNER REPRESENTATIVE. SEE LANDSCAPE PLAN (PROVIDED BY OTHERS).
- SURROUNDING FACILITIES SHALL STAY OPERATIONAL AT ALL TIMES OF CONSTRUCTION.

MISCELLANEOUS NOTES:

- THE SIZES AND LOCATIONS OF THE UNDERGROUND PRESSURE MAINS, STORM DRAINS, GRAVITY MAINS, ELECTRIC CONDUITS, SLEEVES, TRANSFORMERS, ENCLOSURES, LIGHT POLES AND OTHER APPURTENANCES ARE BASED UPON THE BEST INFORMATION OBTAINED BY THE ENGINEER AT THE TIME OF DESIGN. THE CONTRACTOR SHALL VERIFY ACTUAL LOCATION, SIZE AND DEPTH OF ALL UTILITIES DESCRIBED ABOVE PRIOR TO INSTALLATION OF THEIR FACILITIES.
- FINAL ALIGNMENTS, MATERIALS, COLORS, FINISHES, FOR PEDESTRIAN HARDSCAPE AREAS MAY BE ADJUSTED ON SITE BY OWNER OR OWNER REPRESENTATIVE.

GEOTECHNICAL NOTES:

- UPON COMPLIANCE OF ALL FEDERAL, STATE AND LOCAL REGULATIONS BY THE OWNER, THIS SITE MAY BE SAFELY USED FOR BUILDING PURPOSES WITHOUT UNDUE DANGER FROM FLOOD. THE OWNER SHOULD RETAIN THE SERVICES OF A QUALIFIED GEOTECHNICAL ENGINEER TO DETERMINE IF SUBSURFACE CONDITIONS EXIST WHICH MAY ADVERSELY EFFECT THE DEVELOPMENT OF THIS SITE. THE OWNER SHOULD RETAIN THE SERVICES OF A QUALIFIED STRUCTURAL ENGINEER TO DETERMINE CORRECT FOUNDATION DESIGNS FOR ANY PROPOSED STRUCTURES ON THE SITE.
- THERE WILL BE NO ADVERSE IMPACTS TO GROUND OR SURFACE WATERS, WETLANDS, FLOOD PLAINS OR RIVERINE AREAS; OR ANY KNOWN ARCHEOLOGICAL SITES EXPECTED BY THE DEVELOPMENT OF THIS SITE. A "CERTIFICATE TO DIG" IS NOT REQUIRED FOR THIS PROJECT PER LEE COUNTY ARCHEOLOGICAL SENSITIVITY MAP.
- A VEGETATION PERMIT IS REQUIRED PRIOR TO ANY SITE WORK. PROTECTIVE BARRICADES MUST BE CONSTRUCTED AND INSPECTED PRIOR TO PERMIT ISSUANCE.
- ANY EXISTING TOPSOIL AND UNSUITABLE ORGANIC SOILS (IF ENCOUNTERED) SHOULD BE STRIPPED AND UNDERCUT FROM WITHIN THE LIMITS OF THE PROPOSED PAVEMENTS, PROPOSED BUILDING FOOTPRINT AND A MINIMUM OF 5 FEET BEYOND THE BUILDING FOOTPRINT.
- THE CONTRACTOR SHALL ENSURE THAT THE EXISTING SOILS WITHIN THE LIMITS OF THE DRY DETENTION AREAS AND TO A DEPTH OF AT THE LEAST THE WATER TABLE ARE SUITABLE FOR ADEQUATE PERCOLATION. MATERIAL IMPORTED FOR USE IN DRY DETENTION AREAS MUST ALSO BE SUITABLE FOR ADEQUATE PERCOLATION.
- TRAFFIC MUST BE MAINTAINED AT ALL TIMES AS PER LEE COUNTY DEPARTMENT OF TRANSPORTATION (LCDOT) AND PER FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.
- THE CONTRACTOR IS TO UNCOVER ALL EXISTING LINES BEING TIED INTO AND VERIFY GRADES BEFORE BEGINNING CONSTRUCTION.
- LOCATIONS, ELEVATIONS, AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES AND OTHER FEATURES ARE SHOWN ACCORDING TO THE BEST INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE PLANS, BUT DO NOT PURPORT TO BE ABSOLUTELY CORRECT. LCU WILL NOT GUARANTEE ANY LOCATIONS AS SHOWN ON THESE PLANS OR THOSE OMITTED FROM THESE PLANS.
- THE CONTRACTOR SHALL VERIFY ALL UTILITIES AND PROVIDE AT LEAST TWO (2) WORKING DAYS NOTICE TO THE INDIVIDUAL UTILITY COMPANIES, FDOT AND LCDOT PRIOR TO CONSTRUCTION.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND TAKE ALL POSSIBLE PRECAUTIONS TO AVOID ANY DAMAGE TO ALL UNDERGROUND PIPELINES, TELEPHONE, CABLE TV, ELECTRIC LINES/CONDUITS AND STRUCTURES IN ADVANCE OF ANY CONSTRUCTION. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES THAT MAY OCCUR DUE TO HIS FAILURE TO EXACTLY LOCATE AND PROTECT EXISTING UTILITIES AND STRUCTURES.
- ANYTHING NOT SHOWN ON THESE DRAWINGS SHOULD BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND SHALL NOT CONSTITUTE AN EXTRA, UNLESS APPROVED BY THE ENGINEER OF RECORD.
- THE CONTRACTOR SHALL CONTACT THE ENGINEER AND LCU IMMEDIATELY CONCERNING ANY CONFLICTS WITH LCU UTILITIES/STRUCTURES ARISING DURING CONSTRUCTION OF ANY FACILITIES SHOWN ON THESE DRAWINGS.
- THE CONTRACTOR SHALL VERIFY ALL QUANTITIES SHOWN ON THE PLANS. IF ANY DISCREPANCIES IN QUANTITIES ARE FOUND, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF RECORD AND LCU.
- THE CONTRACTOR SHALL REPLACE ALL PAVEMENT, CURBS, DRIVEWAYS, SIDEWALKS, FENCES, ETC., WITH THE SAME TYPE OF MATERIAL THAT WAS REMOVED DURING CONSTRUCTION OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL RESTORE ALL AREAS AFFECTED BY THE CONSTRUCTION TO ITS ORIGINAL CONDITION, OR BETTER.
- WITHIN THE FDOT AND LCDOT RIGHT-OF-WAY, ALL DISTURBED AREAS SHALL RECEIVE GRASSING (SEEDING) OR SODDING MATERIALS IN ACCORDANCE WITH FDOT SPECIFICATIONS. THOSE AREAS THAT ARE CLASSIFIED AS DRAINAGE DITCHES SHALL RECEIVE FULL SOLID SOD.
- ALL FRAMES, COVERS VALVE BOXES, METER BOXES AND MANHOLES SHALL BE ADJUSTED TO FINISHED GRADE UPON COMPLETION OF PAVING OR RELATED CONSTRUCTION. ALL VALVE PADS SHALL BE POURED IN PLACE. NO PRE-FORMED VALVE PADS WILL BE ALLOWED.
- APPROPRIATE TURBIDITY CONTROL DEVICES (E.G. SILT FENCES, HAY BALES) WILL BE UTILIZED DURING ALL PHASES OF INSTALLATION AND GRADING. CONTRACTOR IS RESPONSIBLE FOR SUBMITTING THE NOTICE OF INTENT AND NOTICE OF TERMINATION TO THE EPA IN COMPLIANCE WITH LEE COUNTY'S NPDES PERMIT.
- CONTRACTOR IS RESPONSIBLE FOR DEVELOPING AND MAINTAINING AN EFFECTIVE STORM WATER POLLUTION PREVENTION PLAN.
- LCU REQUIRES 30" OF COVER FOR ALL UNDERGROUND PIPING EXCEPT UNDER PAVEMENT, WHERE 36" OF COVER IS REQUIRED. IF LCU REQUIRED COVER CANNOT BE MAINTAINED, THE CONTRACTOR SHALL PROVIDE OTHER METHODS OF CONSTRUCTION OR PIPE PROTECTION, WHICH SHALL FIRST BE APPROVED BY LCU AND THE ENGINEER, AT NO ADDITIONAL COST TO THE COUNTY. IF STATE AGENCIES REQUIRE ADDITIONAL COVER, MEETING THE REQUIREMENTS SHALL BE DONE AT NO ADDITIONAL COST TO THE COUNTY.

LCU STANDARD PLAN NOTES:

(UPDATED 10-15-18)

- ALL WORK SHALL CONFORM TO LATEST REVISION OF THE LCU DESIGN MANUAL WHICH IS AVAILABLE ON OUR WEB-PAGE VIA THE FOLLOWING LINK: [HTTPS://WWW.LEEGOV.COM/UTILITIES/DESIGN-MANUAL](https://www.LEEGOV.COM/UTILITIES/DESIGN-MANUAL)
- ALL REGULATORY AND PERMITTING AGENCIES' REQUIREMENTS SHALL BE COMPLIED WITH AS WELL.
- ANY QUANTITIES SHOWN ON PLANS ARE NOT VERIFIED BY LCU.
- THE INFORMATION PROVIDED IN THESE PLANS IS SOLELY TO ASSIST THE CONTRACTOR IN ASSESSING THE NATURE AND EXTENT OF CONDITIONS THAT MAY BE ENCOUNTERED DURING THE COURSE OF WORK. ALL CONTRACTORS ARE DIRECTED, PRIOR TO BIDDING, TO CONDUCT WHATEVER INVESTIGATIONS THEY MAY DEEM NECESSARY TO ARRIVE AT THEIR OWN CONCLUSION REGARDING THE ACTUAL CONDITIONS THAT WILL BE ENCOUNTERED, AND UPON WHICH THEIR BIDS WILL BE BASED.
- ALL CONSTRUCTION WORK PERFORMED MUST BE DONE BY A CONTRACTOR LICENSED IN THE STATE OF FLORIDA TO DO THE WORK INTENDED.
- A PRE-CONSTRUCTION MEETING IS REQUIRED BEFORE WORK MAY BEGIN. REQUIRED ATTENDEES INCLUDE BUT ARE NOT LIMITED TO; THE ENGINEER OF RECORD OR HIS DESIGNEE, THE UNDERGROUND CONTRACTOR AND THE LCU INSPECTOR ASSIGNED TO THE PROJECT. LCU IS TO BE NOTIFIED TWO (2) WORKING DAYS PRIOR TO THE PRE-CONSTRUCTION MEETING.
- ONE COPY OF THE LCU APPROVED/STAMPED CONSTRUCTION PLANS, ALL CONTRACT DOCUMENTS, REFERENCE DOCUMENTS AND TECHNICAL DOCUMENTS SUBMITTED MUST BE KEPT AT THE SITE AND MAINTAINED IN GOOD ORDER.
- ALL WORK AND MATERIALS, WHICH DO NOT CONFORM TO LCU SPECIFICATIONS, ARE SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
- ANY WORK PERFORMED WITHOUT THE KNOWLEDGE OF LCU IS SUBJECT TO RE-EXCAVATION, REMOVAL AND REPLACEMENT OF SAME TO BE DONE AT THE CONTRACTOR'S EXPENSE.
- LCU INSPECTION STAFF IS TO BE PRESENT FOR ALL HOT TAPS, PRESSURE TESTS, LIFT STATION START-UPS AND FOR ANY NECESSARY INSPECTION. THE CONTRACTOR IS TO PROVIDE A MINIMUM OF TWO (2) WORKING DAYS NOTICE PRIOR TO SCHEDULING ANY OF THE ABOVE WITH THE EXCEPTION OF THE LIFT STATION START-UP WHICH REQUIRES ONE-WEEK NOTICE.
- TRAFFIC MUST BE MAINTAINED AT ALL TIMES AS PER LEE COUNTY DEPARTMENT OF TRANSPORTATION (LCDOT) AND PER FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.
- THE CONTRACTOR IS TO UNCOVER ALL EXISTING LINES BEING TIED INTO AND VERIFY GRADES BEFORE BEGINNING CONSTRUCTION.
- LOCATIONS, ELEVATIONS, AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES AND OTHER FEATURES ARE SHOWN ACCORDING TO THE BEST INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE PLANS, BUT DO NOT PURPORT TO BE ABSOLUTELY CORRECT. LCU WILL NOT GUARANTEE ANY LOCATIONS AS SHOWN ON THESE PLANS OR THOSE OMITTED FROM THESE PLANS.
- THE CONTRACTOR SHALL VERIFY ALL UTILITIES AND PROVIDE AT LEAST TWO (2) WORKING DAYS NOTICE TO THE INDIVIDUAL UTILITY COMPANIES, FDOT AND LCDOT PRIOR TO CONSTRUCTION.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND TAKE ALL POSSIBLE PRECAUTIONS TO AVOID ANY DAMAGE TO ALL UNDERGROUND PIPELINES, TELEPHONE, CABLE TV, ELECTRIC LINES/CONDUITS AND STRUCTURES IN ADVANCE OF ANY CONSTRUCTION. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES THAT MAY OCCUR DUE TO HIS FAILURE TO EXACTLY LOCATE AND PROTECT EXISTING UTILITIES AND STRUCTURES.
- ANYTHING NOT SHOWN ON THESE DRAWINGS SHOULD BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND SHALL NOT CONSTITUTE AN EXTRA, UNLESS APPROVED BY THE ENGINEER OF RECORD.
- THE CONTRACTOR SHALL CONTACT THE ENGINEER AND LCU IMMEDIATELY CONCERNING ANY CONFLICTS WITH LCU UTILITIES/STRUCTURES ARISING DURING CONSTRUCTION OF ANY FACILITIES SHOWN ON THESE DRAWINGS.
- THE CONTRACTOR SHALL VERIFY ALL QUANTITIES SHOWN ON THE PLANS. IF ANY DISCREPANCIES IN QUANTITIES ARE FOUND, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF RECORD AND LCU.
- THE CONTRACTOR SHALL REPLACE ALL PAVEMENT, CURBS, DRIVEWAYS, SIDEWALKS, FENCES, ETC., WITH THE SAME TYPE OF MATERIAL THAT WAS REMOVED DURING CONSTRUCTION OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL RESTORE ALL AREAS AFFECTED BY THE CONSTRUCTION TO ITS ORIGINAL CONDITION, OR BETTER.
- WITHIN THE FDOT AND LCDOT RIGHT-OF-WAY, ALL DISTURBED AREAS SHALL RECEIVE GRASSING (SEEDING) OR SODDING MATERIALS IN ACCORDANCE WITH FDOT SPECIFICATIONS. THOSE AREAS THAT ARE CLASSIFIED AS DRAINAGE DITCHES SHALL RECEIVE FULL SOLID SOD.
- ALL FRAMES, COVERS VALVE BOXES, METER BOXES AND MANHOLES SHALL BE ADJUSTED TO FINISHED GRADE UPON COMPLETION OF PAVING OR RELATED CONSTRUCTION. ALL VALVE PADS SHALL BE POURED IN PLACE. NO PRE-FORMED VALVE PADS WILL BE ALLOWED.
- APPROPRIATE TURBIDITY CONTROL DEVICES (E.G. SILT FENCES, HAY BALES) WILL BE UTILIZED DURING ALL PHASES OF INSTALLATION AND GRADING. CONTRACTOR IS RESPONSIBLE FOR SUBMITTING THE NOTICE OF INTENT AND NOTICE OF TERMINATION TO THE EPA IN COMPLIANCE WITH LEE COUNTY'S NPDES PERMIT.
- CONTRACTOR IS RESPONSIBLE FOR DEVELOPING AND MAINTAINING AN EFFECTIVE STORM WATER POLLUTION PREVENTION PLAN.
- LCU REQUIRES 30" OF COVER FOR ALL UNDERGROUND PIPING EXCEPT UNDER PAVEMENT, WHERE 36" OF COVER IS REQUIRED. IF LCU REQUIRED COVER CANNOT BE MAINTAINED, THE CONTRACTOR SHALL PROVIDE OTHER METHODS OF CONSTRUCTION OR PIPE PROTECTION, WHICH SHALL FIRST BE APPROVED BY LCU AND THE ENGINEER, AT NO ADDITIONAL COST TO THE COUNTY. IF STATE AGENCIES REQUIRE ADDITIONAL COVER, MEETING THE REQUIREMENTS SHALL BE DONE AT NO ADDITIONAL COST TO THE COUNTY.

LEGEND

-----	PROJECT BOUNDARY/LIMITS OF CONSTRUCTION
--- EX WM ---	EXISTING WATER MAIN OR WATER SERVICE
--- EX SAN ---	EXISTING SEWER MAIN OR SEWER SERVICE
--- EX IRR ---	EXISTING IRRIGATION MAIN
--- WM ---	PROPOSED WATER MAIN
--- FL ---	PROPOSED FIRE LINE
--- FM ---	PROPOSED FORCE MAIN
--- WS ---	PROPOSED WATER SERVICE & G.V.
--- SAN ---	PROPOSED 6" SEWER LATERAL W/CLEAN-OUT
	TRANSFORMER PAD (BY OTHERS)
	BERM/DETENTION AREAS
	ROCK BOULDER RIP-RAP OVER FILTER FABRIC
	PROPOSED ASPHALT PAVEMENT AREAS
	PROPOSED DRY DETENTION AREAS
	EXIST. STORM DRAIN & INLET
	INLET STRUCTURE I.D. (SEE STRUCTURE TABLE)
	PROP. STORM DRAIN & INLET
	PROPOSED CONTOUR ELEVATION
	EXISTING ELEVATION (N.A.V.D.) 1988
	DESIGN ELEVATIONS (N.A.V.D.) 1988
	DRAINAGE FLOW ARROW

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Know what's below. Call before you dig.

SUNSHINE STATE ONE CALL OF FLORIDA, INC.

DATE:	06/03/21
PROJ. #:	21-108
CAD TECH:	ACS
ENGINEER:	PETER M. MAASTRICHT, P.E.
FL LICENSE NUMBER:	16860



DEVELOPER:	LEE COUNTY, FL REAL ESTATE INTERNATIONAL
ADDRESS:	2609 COLLINS AVE MIAMI BEACH, FL 33140

REVISION DESCRIPTION	LETTER AUGUST
BY	ACS
DATE	06-03-21

KELLY ROAD 76 UNIT
MUL-FAMILY
11901 KELLY ROAD
FORT MYERS, FL 33908

GENERAL
NOTES

ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN REDUCED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.

LEGEND

- TEMPORARY CONSTRUCTION ENTRANCE
- PROP. SILT FENCE
- EXIST. DRAINAGE FLOW

EROSION CONTROL NOTES

1. THE CONTRACTOR SHALL ADHERE TO THE SEQUENCE OF OPERATIONS FOR EROSION CONTROL IMPLEMENTATION HEREON. ANY DEVIATION FROM THIS SEQUENCE DEEMED NECESSARY BY THE CONTRACTOR SHALL BE APPROVED BY THE OWNER.
2. THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS INVOLVED WITH THE CONSTRUCTION ACTIVITIES RELATED TO EROSION CONTROL AS SHOWN OR NOTED HEREON SHALL OBTAIN A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP), AS WELL AS THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT FOR THIS SITE, AND BECOME FAMILIAR WITH THEIR CONTENTS.
3. ALL WASH WATER SHALL BE DISPOSED OF IN A MANNER THAT PREVENTS CONTACT BETWEEN WASH WATER POLLUTANTS AND STORM RUNOFF DISCHARGED FROM THIS SITE.
4. OIL AND GREASE ABSORBING MATERIALS SHALL BE READILY AVAILABLE ON-SITE AND SHALL BE PROMPTLY USED TO CONTAIN AND/OR CLEAN UP ALL FUEL OR CHEMICAL SPILLS OR LEAKS.
5. DUST CONTROL SHALL BE ACCOMPLISHED BY WATERING DRY, EXPOSED AREAS ON A REGULAR BASIS. SPRAYING OF PETROLEUM BASED OR TOXIC LIQUIDS FOR THIS IS PROHIBITED.
6. ALL CITY, COUNTY OR STATE RIGHT-OF-WAYS THAT ARE DISTURBED DURING CONSTRUCTION SHALL BE PERMANENTLY SODDED PRIOR TO THE COMPLETION OF THE PROJECT.
7. DISTURBED AREAS OF THE SITE WHERE CONSTRUCTION AREAS HAVE PERMANENTLY CEASED SHALL BE PERMANENTLY SEEDED OR SODDED, AS SHOWN ON THE ATTACHED MAP, WITHIN SEVEN DAYS.
8. ALL VEHICLES SHALL BE CLEANED AT THE CONSTRUCTION SITE PRIOR TO EXITING.
9. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED ONTO ADJACENT ROADWAYS BY VEHICLES EXITING THE SITE SHALL BE CLEANED OR REMOVED IMMEDIATELY.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROMPT REMOVAL OF ALL ACCUMULATED SILT IN THE STORM SEWER SYSTEM AND ALONG SILT FENCES.
11. SILT FENCES SHALL BE PLACED AROUND ANY STOCKPILES USED ON THIS SITE.
12. ANY ADDITIONAL EROSION CONTROL MEASURES REQUIRED TO ENSURE COMPLIANCE WITH THE U.S.E.P.A., FLORIDA DEP AND LEE COUNTY STORM WATER POLLUTION REGULATIONS SHALL BE IMPLEMENTED BY THE CONTRACTOR, AT NO ADDITIONAL COST TO THE OWNER.
13. ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED AND PROPERLY DISPOSED OF OFF-SITE WITHIN THIRTY DAYS AFTER STABILIZATION OF ALL SURFACES.
14. THE CONTRACTOR SHALL ASSUME LIABILITY FOR DAMAGE TO ADJACENT PROPERTIES AND/OR PUBLIC RIGHT-OF-WAY RESULTING FROM FAILURE TO FULLY IMPLEMENT AND EXECUTE ALL EROSION CONTROL PROCEDURES SHOWN AND NOTED IN THE PLANS.
15. WHENEVER DIRT, ROCK OR OTHER MATERIALS ARE EXPORTED FOR USE OFF OF THE PRIMARY CONSTRUCTION SITE, THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THAT EPA STORM WATER PERMITTING REQUIREMENTS ARE MET. PRIOR TO ANY EXPORT OF MATERIALS, THE CONTRACTOR SHALL FURNISH THE ENGINEER WITH A WRITTEN AGREEMENT WITH ANY LANDOWNER WHO WILL RECEIVE EXPORTED MATERIALS, STATING THAT THE SITE WILL BE PROPERLY PERMITTED WHEN REQUIRED AND DESCRIBE THE EROSION CONTROL MEASURES WHICH WILL BE USED. AT A MINIMUM, EROSION CONTROL MEASURES MUST CONSIST OF PERIMETER CONTROLS (SILT FENCES) ON ALL DOWN SLOPE AND SIDE SLOPE BOUNDARIES OF ANY DISTURBED AREAS, PLUS PROVISIONS FOR RE-VEGETATION AFTER THE FILL MATERIALS ARE IN PLACE.
16. PRIOR TO CONSTRUCTION, FILTER FABRIC, SILT SCREENS, OR OTHER APPROVED EROSION CONTROL DEVICES SHALL BE INSTALLED ACROSS THE SWALE AT THE LOWEST DISTURBED POINT TO PREVENT EROSION MATERIAL FROM LEAVING THE CONSTRUCTION AREA, INCLUDING ANY VACANT AREAS USED FOR INGRESS AND EGRESS.
17. ALL AFFECTED STORM WATER PIPES, INLETS AND CATCH BASINS SHALL BE PROTECTED BY EROSION CONTROL DEVICES TO PREVENT CONSTRUCTION RELATED EROSION MATERIAL FROM ENTERING THE STORM WATER SYSTEM.
18. THE EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO ANY CONSTRUCTION PROCESS AND SHALL REMAIN IN PLACE UNTIL STABILIZED WITH SOD AND THE VACANT AREAS ARE SEEDED AND MULCHED.
19. ALL DEWATERING SHALL BE IN ACCORDANCE WITH S.F.W.M.D. SHORT TERM DEWATERING CRITERIA.
20. DEWATERING OPERATIONS, IF REQUIRED, SHALL BE EMPLOYED IN ACCORDANCE WITH THE BEST MANAGEMENT PRACTICES CONTAINED IN CHAPTER 5 OF THE FLORIDA STORM WATER EROSION AND SEDIMENTATION CONTROL INSPECTOR'S MANUAL.
21. DEWATERING, IF REQUIRED SHALL BE CONTAINED WITHIN THE SITE DETENTION AREAS ON SITE.

SILT SCREEN PLACEMENT

N.T.S.

SILT FENCE PLACEMENT

N.T.S.

TEMP. CULVERT AT CONSTRUCTION ENTRANCE

N.T.S.

STANDARD DETAIL

N.T.S.

ALTERNATE DETAIL

N.T.S.

ELEVATION DEPICTED ARE N.A.V.D. 1988 DATUM

CALL 48 HOURS BEFORE YOU DIG

IT'S THE LAW! Know what's below. Call before you dig.

1" = 30' (24"x36")
1" = 60' (11"x17")

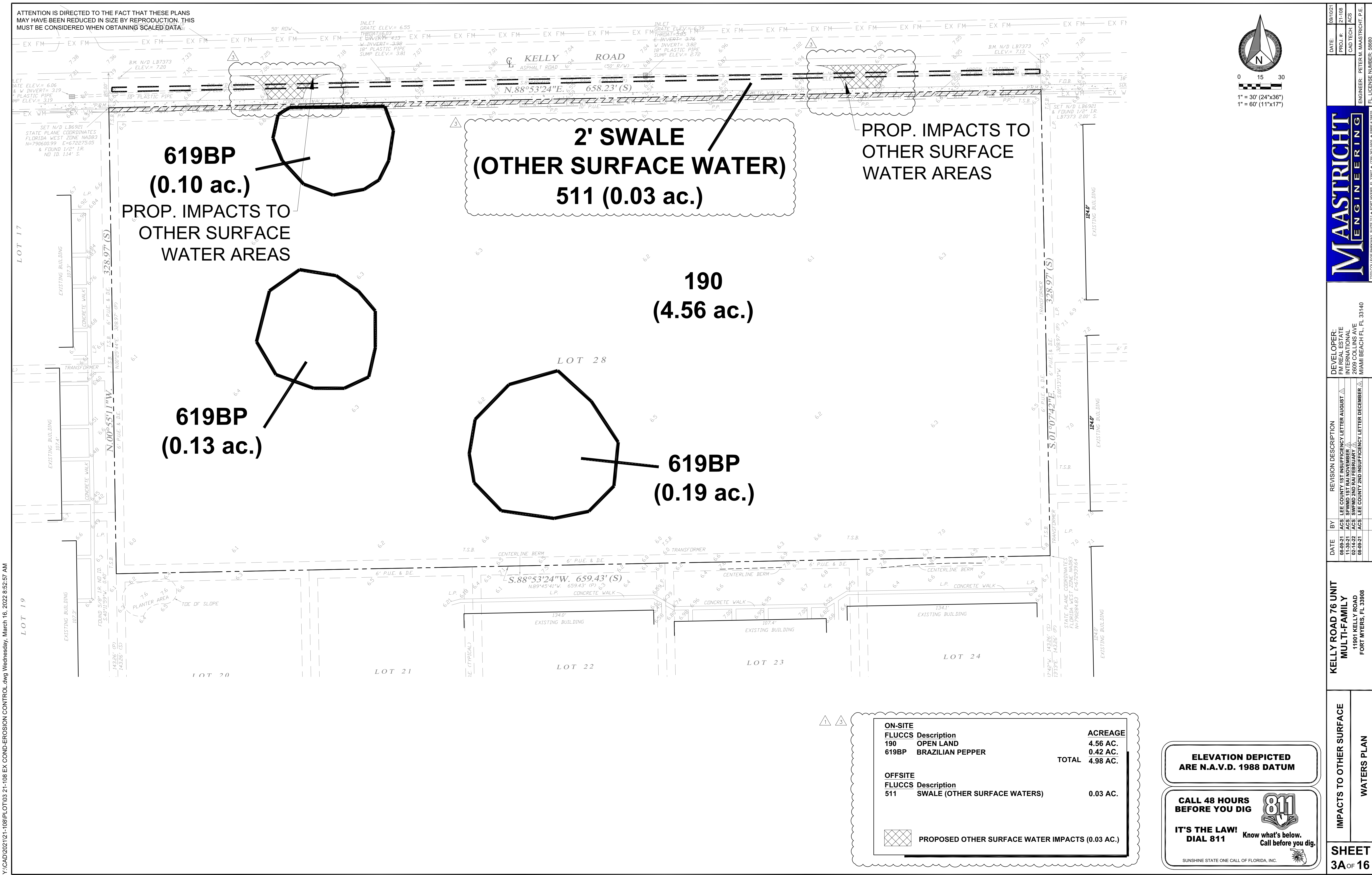
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SHEET
3 OF 16

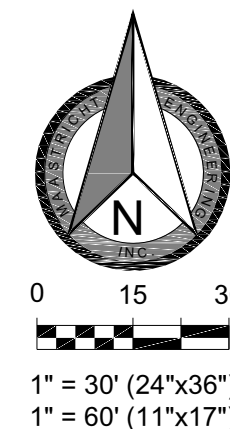
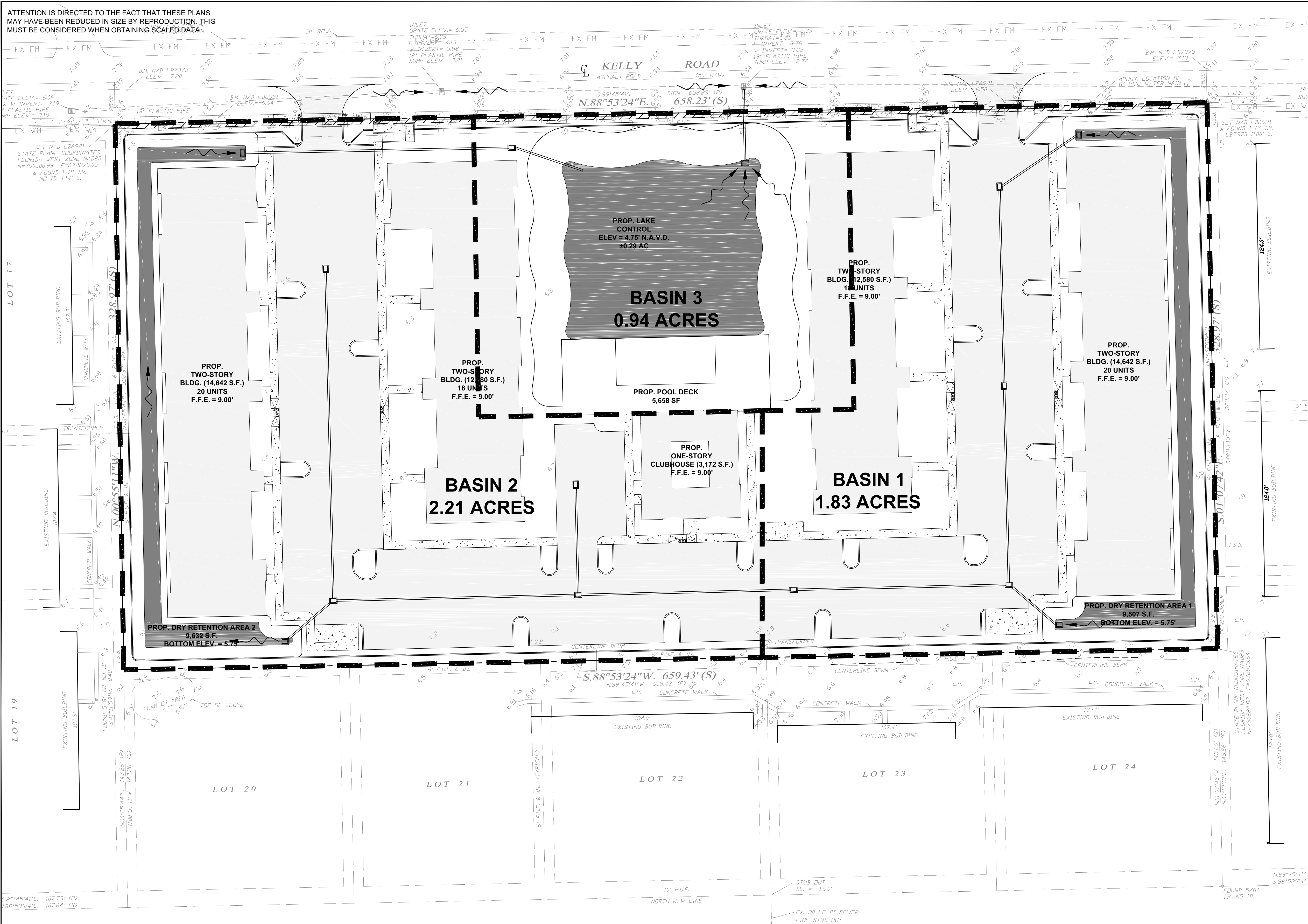
SUNSHINE STATE ONE CALL OF FLORIDA, INC.

TEMP. CULVERT AT CONSTRUCTION ENTRANCE

Y:\CADD\2021\21-108\108\LOT03 21-108 EX COND-EROSION CONTROL.dwg Wednesday, March 16, 2022 8:52:57 AM



Y:\CADD\2021\21-108 EX COND-EROSION CONTROL.dwg Tuesday, March 15, 2022 11:35:48 AM



LEGEND

- TEMPORARY CONSTRUCTION ENTRANCE
- PROP. SILT FENCE
- EXIST. DRAINAGE FLOW

ELEVATION DEPICTED ARE N.A.V.D. 1988 DATUM

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SUNSHINE STATE ONE CALL OF FLORIDA, INC.

POST DEVELOPMENT DRAINAGE

BASIN MAP

KELLY ROAD 76 UNIT
MULTI-FAMILY
11901 KELLY ROAD
FORT MYERS, FL 33908

DATE: 11-30-21 BY: ACS

REVISION DESCRIPTION
SWFWD 01 MAY NOVEMBER 21

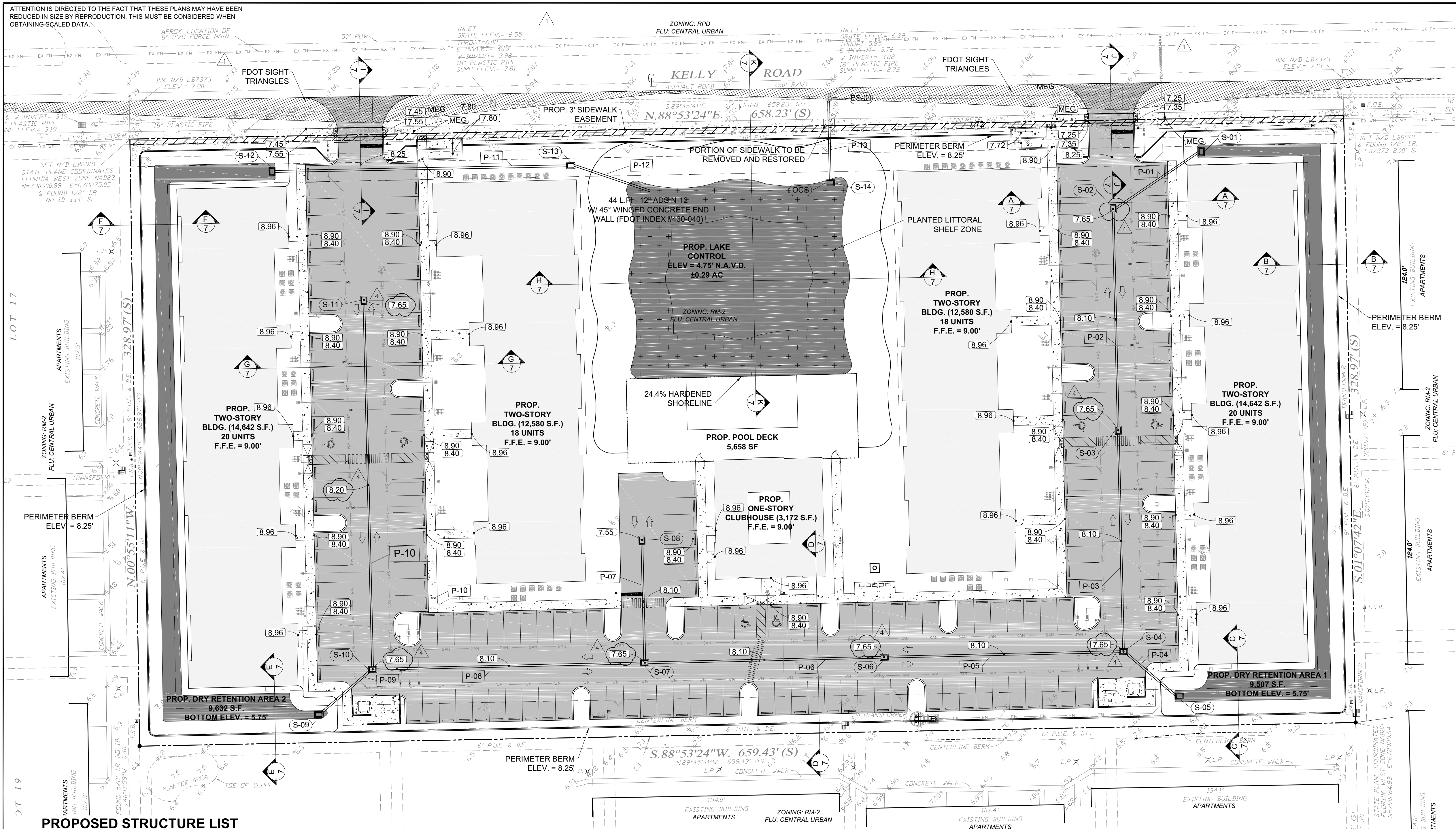
DEVELOPER:
PARRAL ESTATE
INTERNATIONAL
2609 COLLINS AVE
MIAMI BEACH FL, FL 33140

MAASTRICHT
ENGINEERING

DATE: 06/03/21 PROJ. #: 21-108 CAD TECH: ACS
ENGINEER: PETER M. MAASTRICHT, P.E.
FL LICENSE NUMBER: 16660

SHEET
38 OF 16

Y:\CADD\2021\21-108\PILOT05 21-108 GPD PLAN.dwg Tuesday, March 15, 2022 6:11:02 PM



PROPOSED STRUCTURE LIST

- S-01**
PROP. TYPE "C" INLET
(PER FDOT STD. PLANS 425-052)
TOP ELEV. = 5.75'
I.E. (SW) = 3.80'

S-02
PROP. TYPE "C" INLET
(PER FDOT STD. PLANS 425-052)
TOP ELEV. = 7.65'
I.E. (NE) = 3.70'
I.E. (S) = 3.70'

S-03
PROP. TYPE "C" INLET
(PER FDOT STD. PLANS 425-052)
TOP ELEV. = 7.65'
I.E. (N) = 3.60'
I.E. (S) = 3.60'

S-04
PROP. TYPE "C" INLET
(PER FDOT STD. PLANS 425-052)
TOP ELEV. = 7.65'
I.E. (N) = 3.50'
I.E. (SE) = 3.50'
I.E. (W) = 3.50'
- S-05**
PROP. TYPE "C" INLET
(PER FDOT STD. PLANS 425-052)
TOP ELEV. = 5.75'
I.E. (NW) = 3.60'

S-06
PROP. TYPE "C" INLET
(PER FDOT STD. PLANS 425-052)
TOP ELEV. = 7.65'
I.E. (E) = 3.40'
I.E. (W) = 3.40'

S-07
PROP. TYPE "C" INLET
(PER FDOT STD. PLANS 425-052)
TOP ELEV. = 7.65'
I.E. (E) = 3.30'
I.E. (N) = 3.30'
I.E. (W) = 3.30'

S-08
PROP. TYPE "C" INLET
(PER FDOT STD. PLANS 425-052)
TOP ELEV. = 7.65'
I.E. (S) = 3.40'
- S-09**
PROP. TYPE "C" BUBBLE UP
STRUCTURE
(PER FDOT STD. PLANS 425-052)
TOP ELEV. = 5.75'
I.E. (NE) = 3.00'

S-10
PROP. TYPE "C" INLET
(PER FDOT STD. PLANS 425-052)
TOP ELEV. = 7.65'
I.E. (N) = 3.20'
I.E. (E) = 3.20'
I.E. (SW) = 3.10'

S-11
PROP. TYPE "C" INLET
(PER FDOT STD. PLANS 425-052)
TOP ELEV. = 7.65'
I.E. (S) = 3.50'

S-12
PROP. TYPE "C" INLET
(PER FDOT STD. PLANS 425-052)
TOP ELEV. = 7.42'
I.E. (E) = 3.75'
3" BLEEDER I.E. = 6.80'
- S-13**
PROP. TYPE "C" JUNCTION BOX
(PER FDOT STD. PLANS 425-052)
TOP ELEV. = 8.00'
I.E. (W) = 3.60'
I.E. (SE) = 3.60'

S-14 (OCS)
PROP. TYPE "C" INLET
(PER FDOT STD. PLANS 425-052)
TOP ELEV. = 8.20'
3" WEIR CREST ELEV. = 7.50'
I.E. (N) = 4.00'
3" BLEEDER I.E. = 4.75'

PROPOSED PIPES LIST

- P-01**
PROP. 55 LF - 12" ADS N-12
I.E. (NE) = 3.80'
I.E. (SW) = 3.70'

P-02
PROP. 117 LF - 12" ADS N-12
I.E. (N) = 3.70'
I.E. (S) = 3.60'

P-03
PROP. 117 LF - 12" ADS N-12
I.E. (N) = 3.60'
I.E. (S) = 3.50'

P-04
PROP. 36 LF - 12" ADS N-12
I.E. (SE) = 3.60'
I.E. (NW) = 3.50'

P-05
PROP. 126 LF - 12" ADS N-12
I.E. (E) = 3.50'
I.E. (W) = 3.40'
- P-06**
PROP. 126 LF - 12" ADS N-12
I.E. (E) = 3.40'
I.E. (W) = 3.30'

P-07
PROP. 63 LF - 12" ADS N-12
I.E. (N) = 3.40'
I.E. (S) = 3.30'

P-08
PROP. 144 LF - 12" ADS N-12
I.E. (E) = 3.30'
I.E. (W) = 3.20'

P-09
PROP. 35 LF - 12" ADS N-12
I.E. (NE) = 3.10'
I.E. (SW) = 3.00'

P-10
PROP. 197 LF - 12" ADS N-12
I.E. (N) = 3.50'
I.E. (S) = 3.20'
- P-11**
PROP. 160 LF - 12" ADS N-12
I.E. (W) = 3.75'
I.E. (E) = 3.60'

P-12
PROP. 44 LF - 12" ADS N-12
I.E. (S) = 4.00'
I.E. (SE) = 3.90'

P-13
PROP. 45 LF - 12" ADS N-12
I.E. (S) = 4.00'

SURFACE WATER
MANAGEMENT PARAMETERS
(ADJACENT SFWMD PERMIT #36-05069-P)

(S.E. BASIN OF MASTER SWM SYSTEM)	BASIN 1 & 2	BASIN 3
CONTROL ELEVATION (N.A.V.D.)	4.75'	4.75'
5 YEAR, 24 HOUR (N.A.V.D.)	7.62'	7.40'
25 YEAR, 72 HOUR (N.A.V.D.)	8.25'	8.19'
100 YEAR, 72 HOUR (N.A.V.D.)	8.88'	8.88'
PEAK DISCHARGE RATE	N/A	0.73
MINIMUM PERIMETER BERM (N.A.V.D.)	8.25'	8.25'
FLOOD ZONE "AE-7"	"AE-7"	"AE-7"
BASE FLOOD ZONE + 1.00' (FT)	8.00'	8.00'
MINIMUM FINISHED FLOOR ELEVATION (N.A.V.D.)	9.00'	9.00'
MINIMUM ROAD CROWN ELEVATION (N.A.V.D.)	7.65'	7.65'
LDC 10-25(1) - CENTERLINE ROAD CROWN + 1.5 FT	8.88'	8.88'
LDC 10-32(1) - STREET CROWN ELEV = MSL + 6.50 FT	6.50'	6.50'

ALL ELEVATIONS
DENOTED ARE IN
N.A.V.D. 1988
VERTICAL DATUM

CALL 48 HOURS
BEFORE YOU DIG

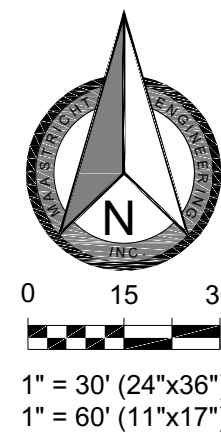


IT'S THE LAW!
DIAL 811 Know what's below.
Call before you dig.

SUNSHINE STATE ONE CALL OF FLORIDA, INC.

EXISTING STRUCTURE TABLE

ES-01
EX. INLET
(TO BE TIED INTO)
GRATE EL. = 6.39'
I.E. (W) = 3.76'
I.E. (E) = 3.82'
SUMP = 2.72'
PROP. I.E. (S) = 3.90'
ALL ELEVATIONS TO
BE FIELD VERIFIED



DATE: 06/03/21
PROJ. #: 21-108
CAD TECH: JCS
ENGINEER: PETER M. MAASTRICHT, P.E.
FL. LICENSE NUMBER: 16860

MAASTRICHT
ENGINEERING

DEVELOPER:
PARRAL ESTATE
INTERNATIONAL
2609 COLLINS AVE
MIAMI BEACH FL. 33140

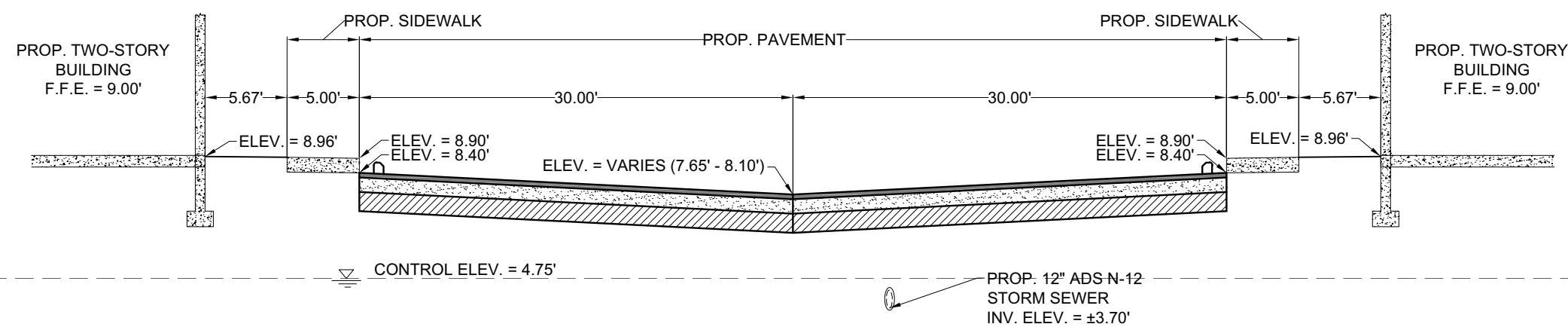
REVISION DESCRIPTION
BY DATE
JCS 06/03/21 LEE COUNTY (ST INSUFFICIENCY) LETTER AUGUST
JCS 11/30/21 ACS SFWMD 1ST RAI NOVEMBER
JCS 02/14/22 ACS SFWMD 2ND RAI FEBRUARY
JCS 06/09/21 ACS LEE COUNTY 2ND INSUFFICIENCY LETTER DECEMBER

KELLY ROAD 76 UNIT
MULTI-FAMILY
11901 KELLY ROAD
FORT MYERS, FL 33908

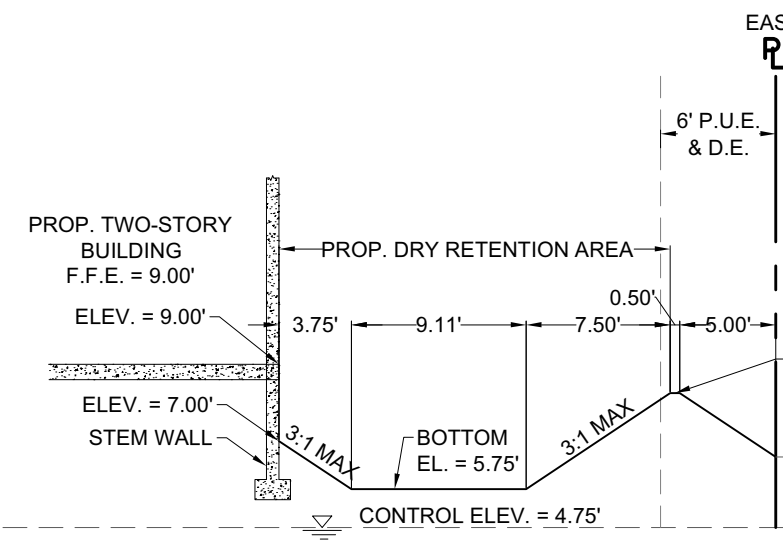
GRADING, PAVING
& DRAINAGE PLAN

SHEET
5 OF 16

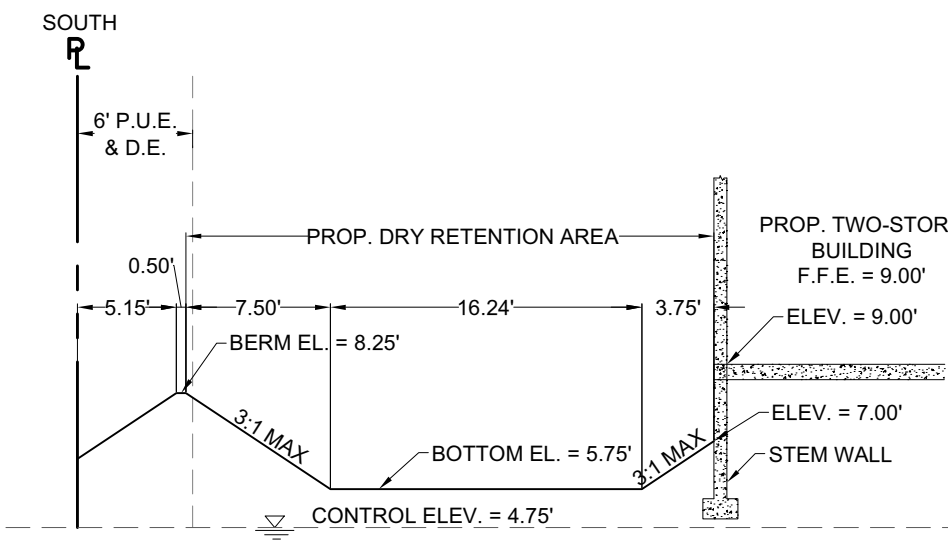
Scales: 1" = 10' (HORIZ.) (24"x36")
 1" = 5' (VERT.) (24"x36")
 1" = 20' (HORIZ.) (11"x17")
 1" = 10' (VERT.) (11"x17")



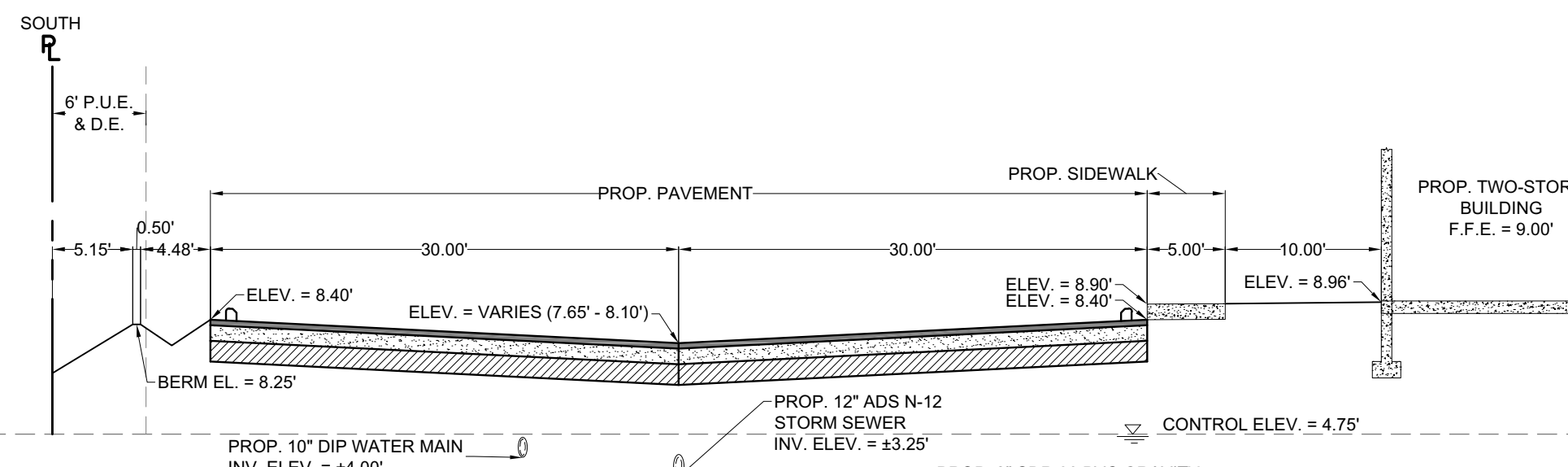
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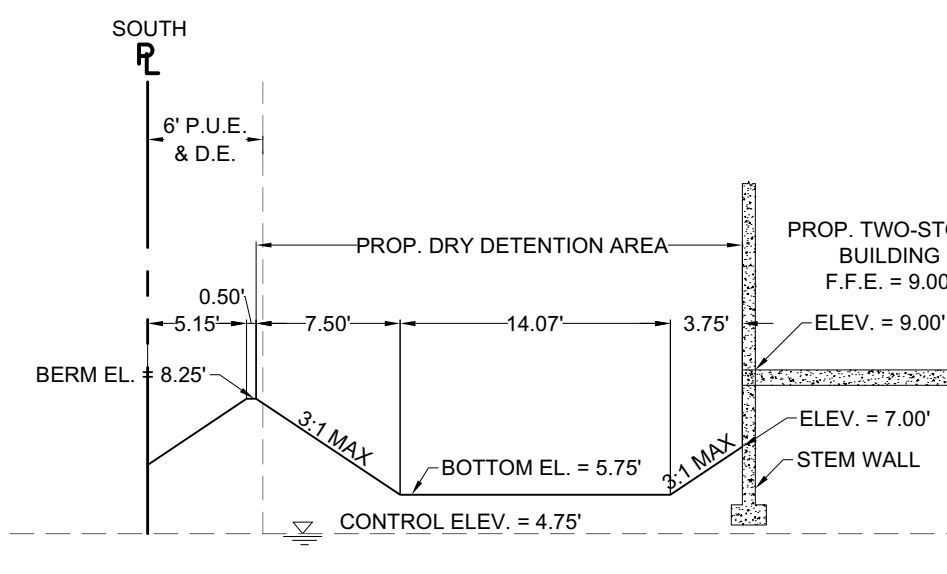
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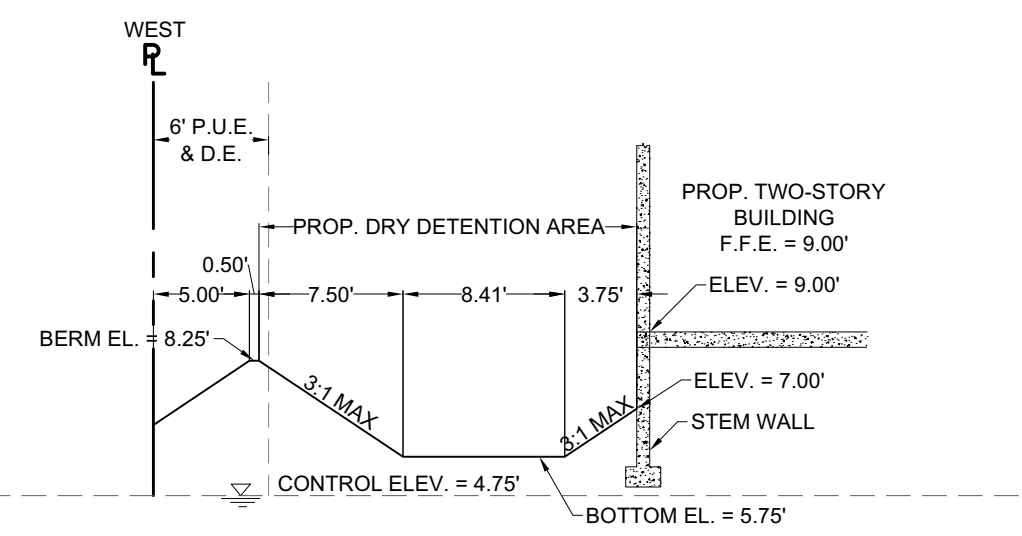
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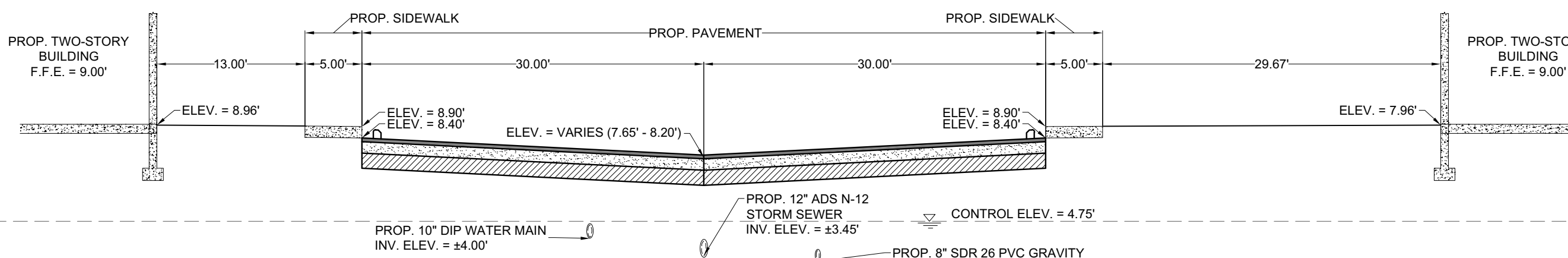
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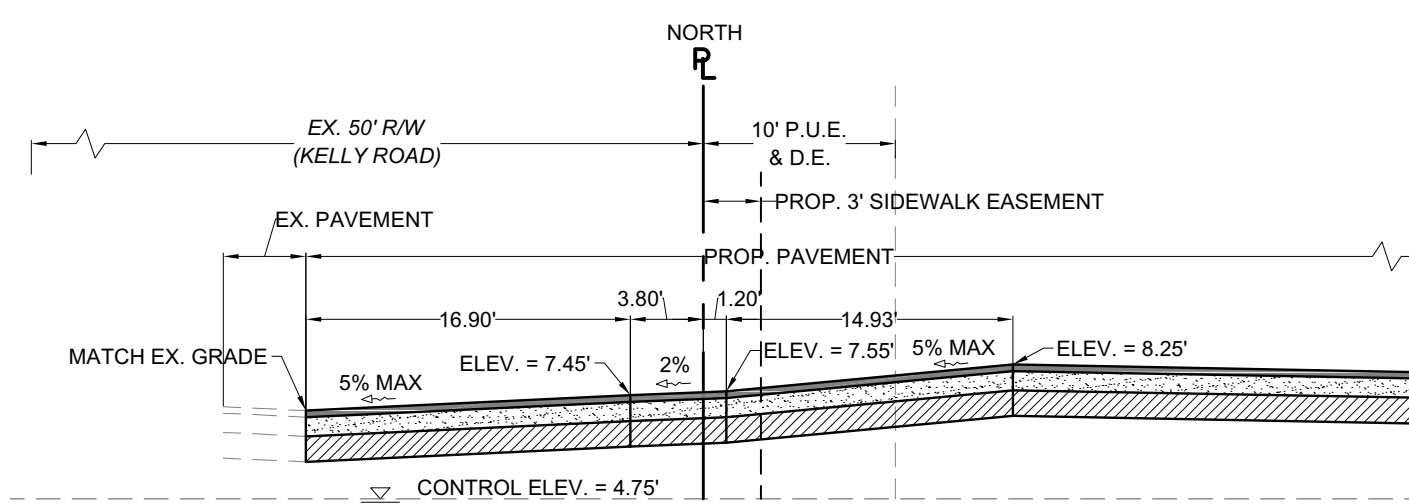
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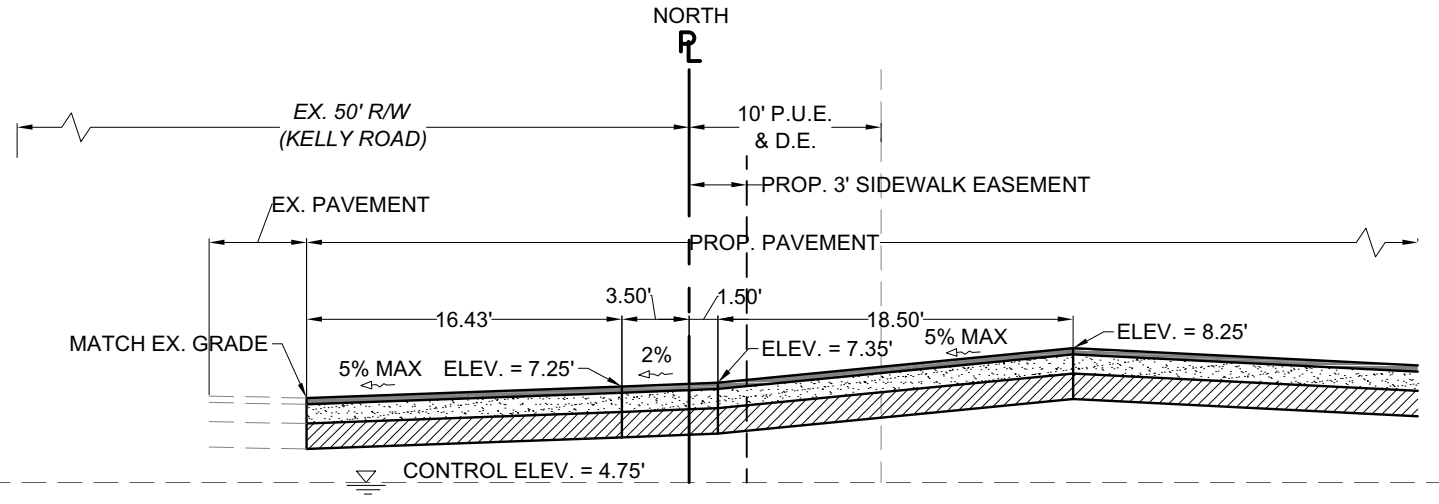
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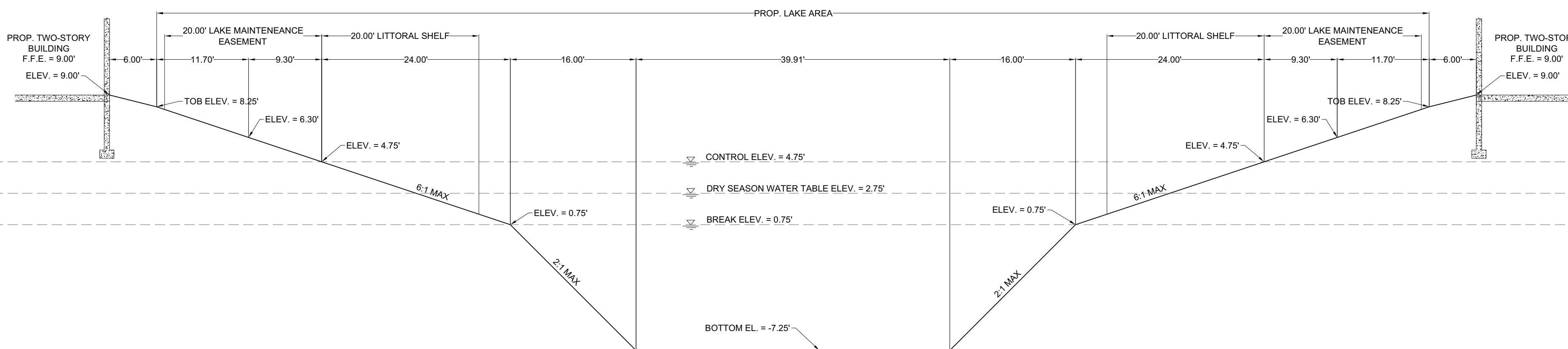
SECTION "G"



SECTION "I"



SECTION "J"

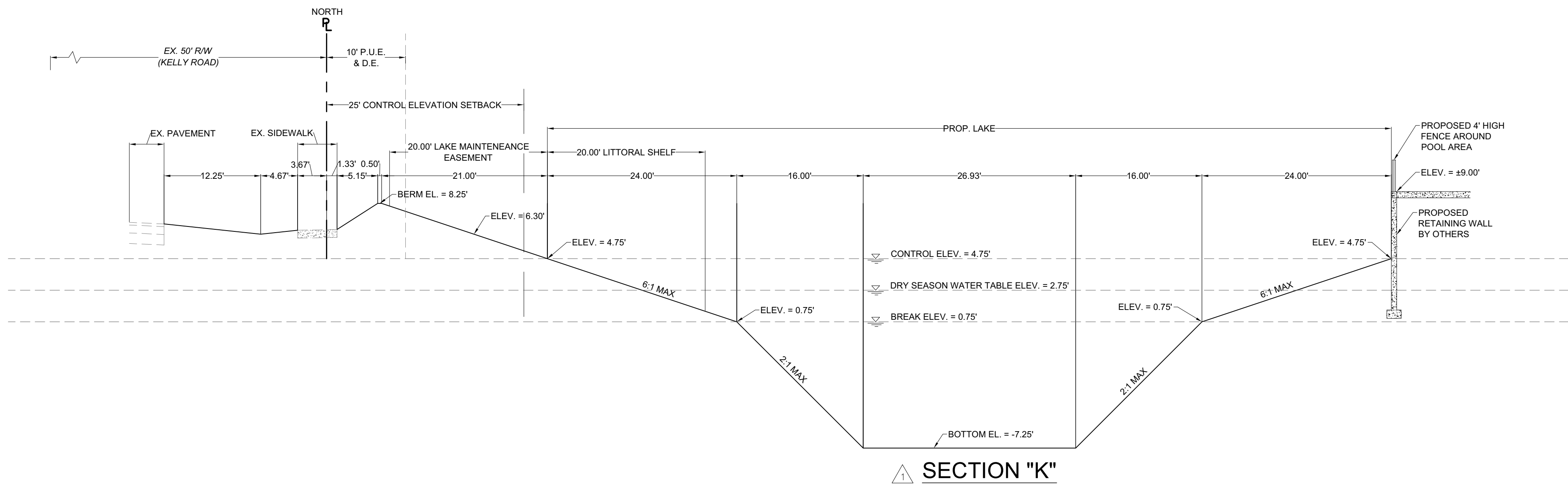


SECTION "H"

SEE NEXT PAGE FOR CROSS SECTION K

SHEET		CROSS		MULTI-FAMILY		KELLY ROAD 76 UNIT	
6 OF 16		SECTIONS		11901 KELLY ROAD FORT MYERS, FL 33908			
		DATE:	06/03/21				
		PROJ. #:	21-108				
		CAD TECH:	ACS				
		ENGINEER:	PETER M. MAASTRICHT, P.E.				
		FL LICENSE NUMBER: 56860					
		MAASTRICHT ENGINEERING					
		7375 COLLEGE PARKWAY, SUITE 211 • FORT MYERS, FL 33907 • (239) 932-1005 • P.E. & P.M.P.					
		DEVELOPER:		FM REAL ESTATE INTERNATIONAL			
		2609 COLLINS AVE		MIAMI BEACH FL, FL 33140			
		REVISION DESCRIPTION	BY	DATE			
		LEE COUNTY 1ST INSUFFICIENCY LETTER AUGUST 11-20-21	ACS	08-09-21			
		SPWWD 1ST RAI NOVEMBER 02-14-22	ACS	11-30-21			
		LEE COUNTY 2ND INSUFFICIENCY LETTER DECEMBER 08-09-21	ACS	08-09-21			

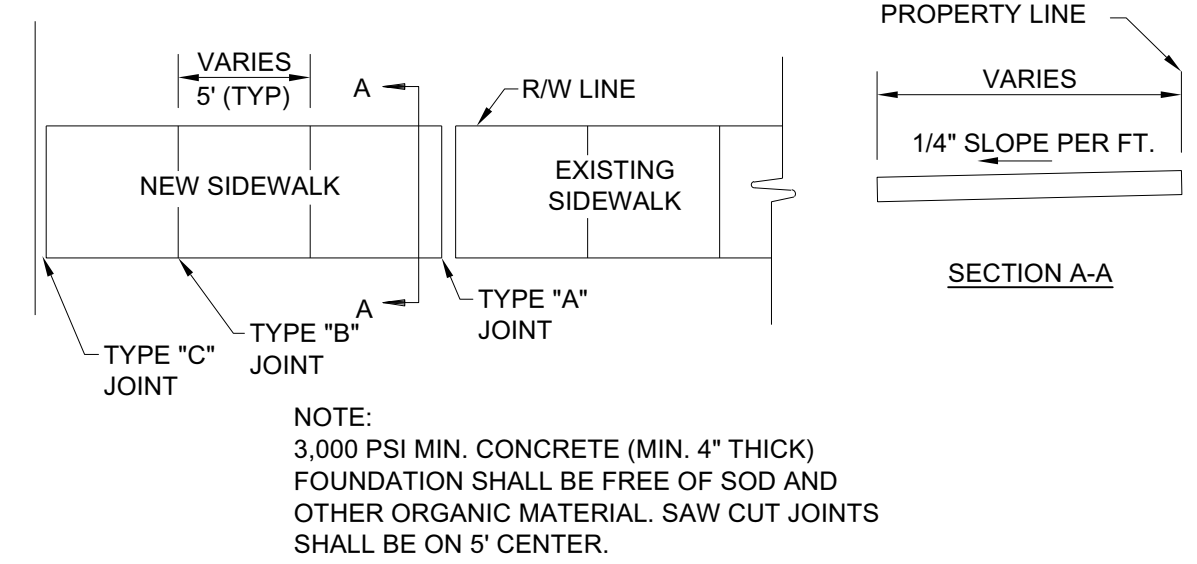
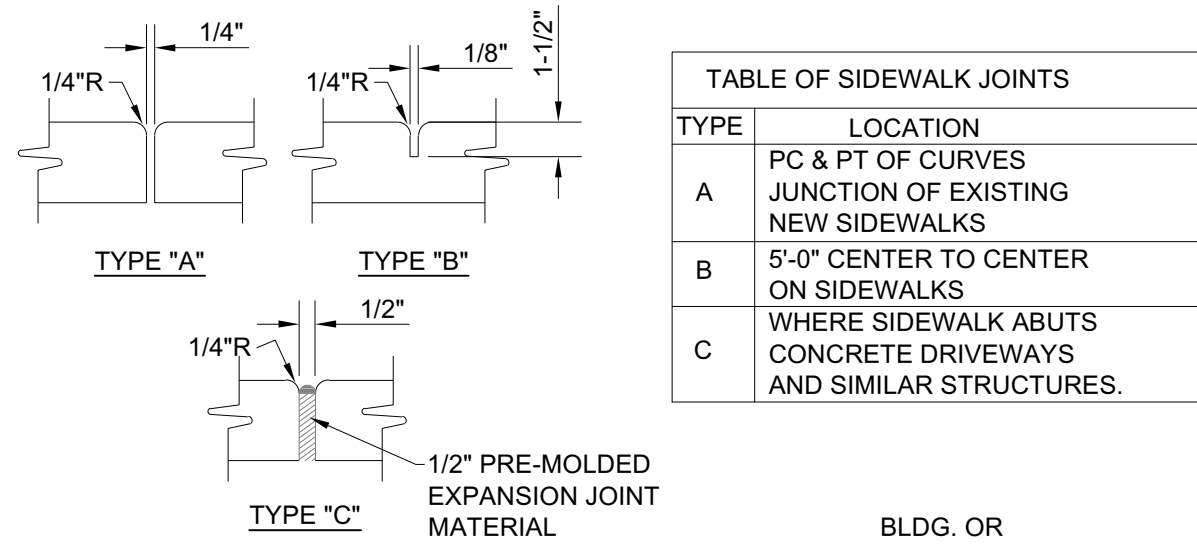
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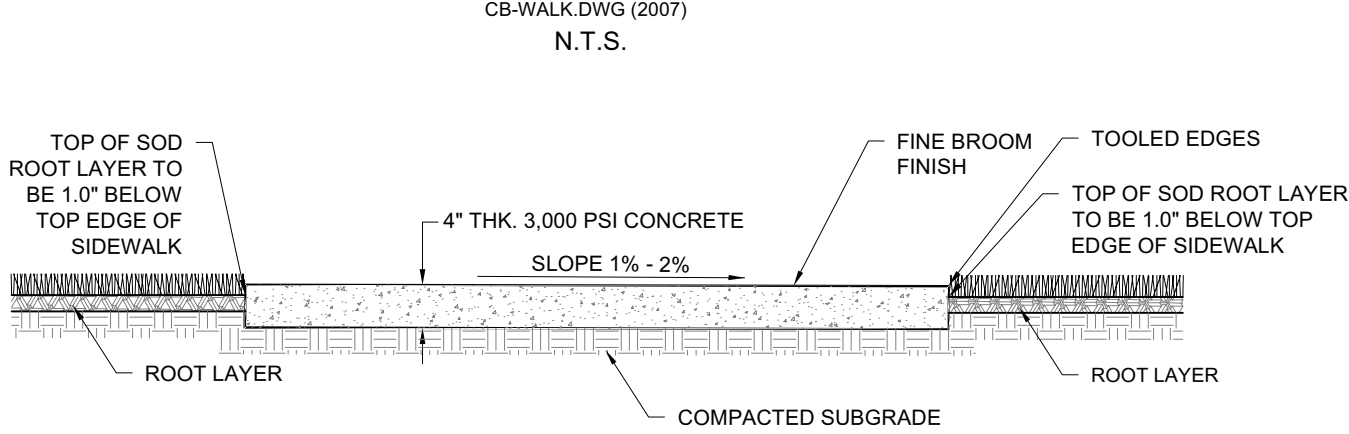
SECTION "K"

Scales: 1" = 10' (HORIZ.) (24"x36")
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1" = 20' (HORIZ.) (11"x17")
1" = 10' (VERT.) (11"x17")

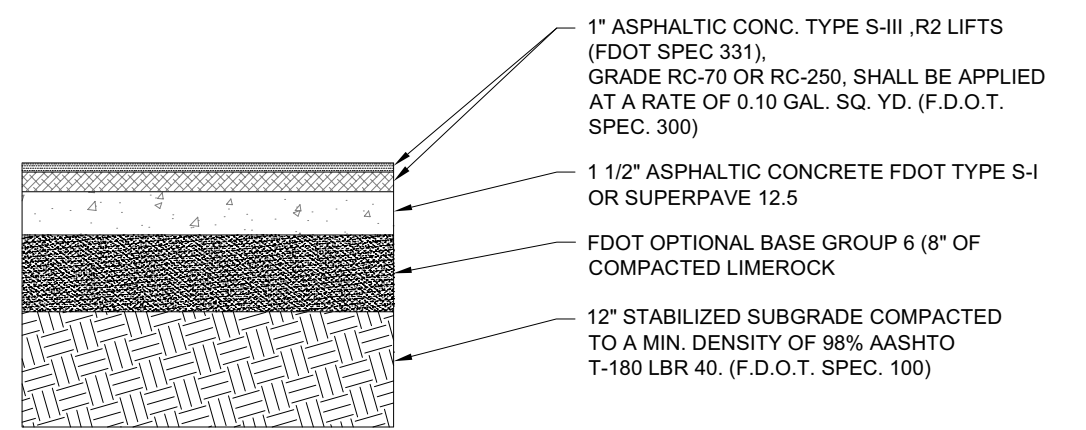
SHEET 6A OF X	CONTROL STRUCTURE	KELLY ROAD 76 UNIT	MUL TI-FAMILY	11901 KELLY ROAD FORT MYERS, FL 33908	REVISION DESCRIPTION		DEVELOPER: FM REAL ESTATE INTERNATIONAL 2609 COLLINS AVE MIAMI BEACH FL, FL 33140	DATE:	PROJ. #	CAD TECH	ENGINEER: PETER M. MAASTRICHT P.E.	FL LICENSE NUMBER: 58680
					DATE	BY						
DETAIL					08-09-21	ACS	LEE COUNTY 1ST INSUFFICIENCY LETTER AUGUST					
					11-30-21	ACS	SWFMD 1ST RAI NOVEMBER					
					02-14-22	ACS	SWFMD 2ND RAI FEBRUARY					
					08-09-21	ACS	LEE COUNTY 2ND INSUFFICIENCY LETTER DECEMBER					



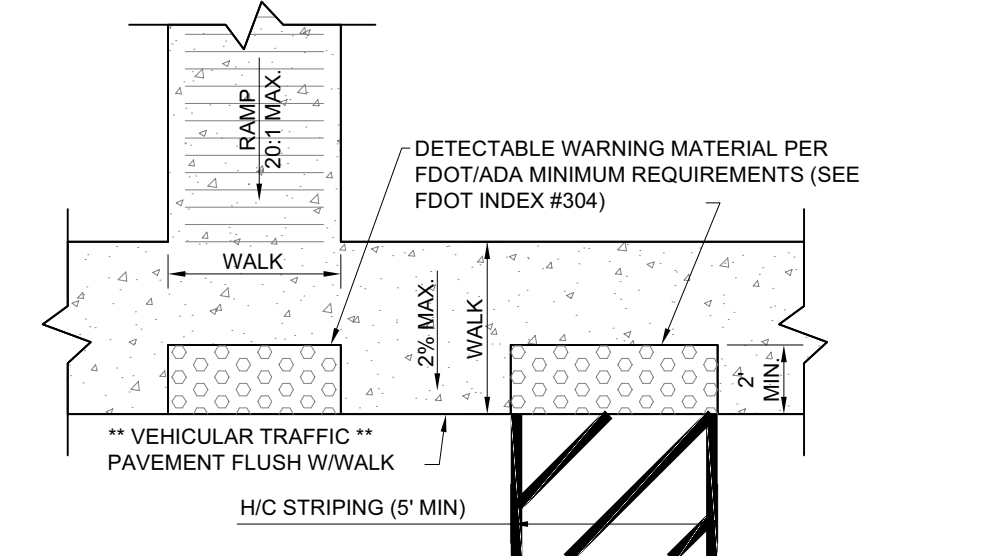
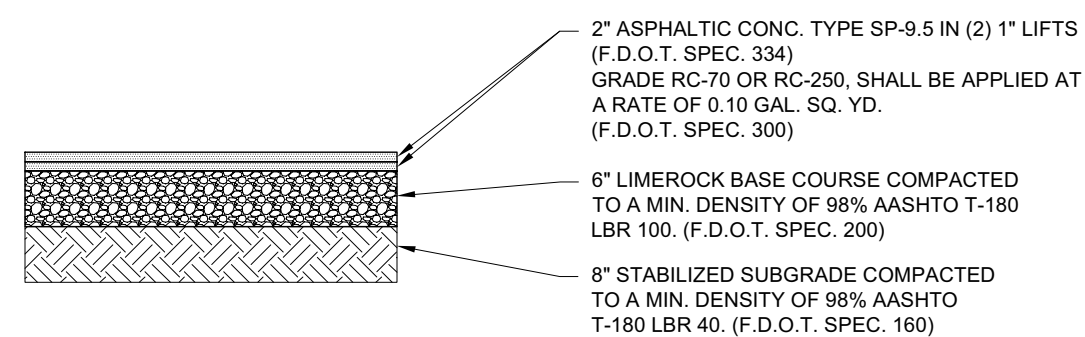
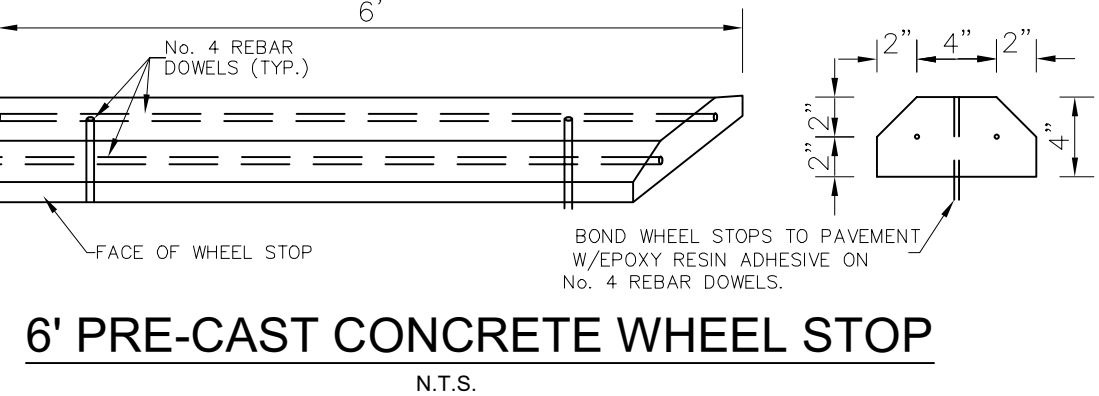
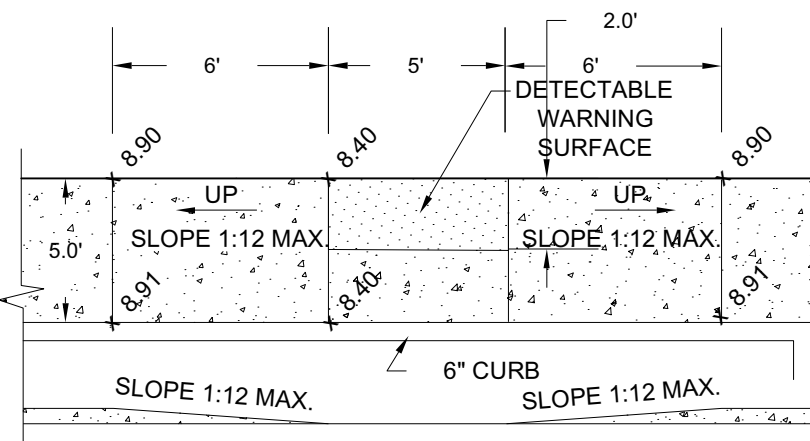
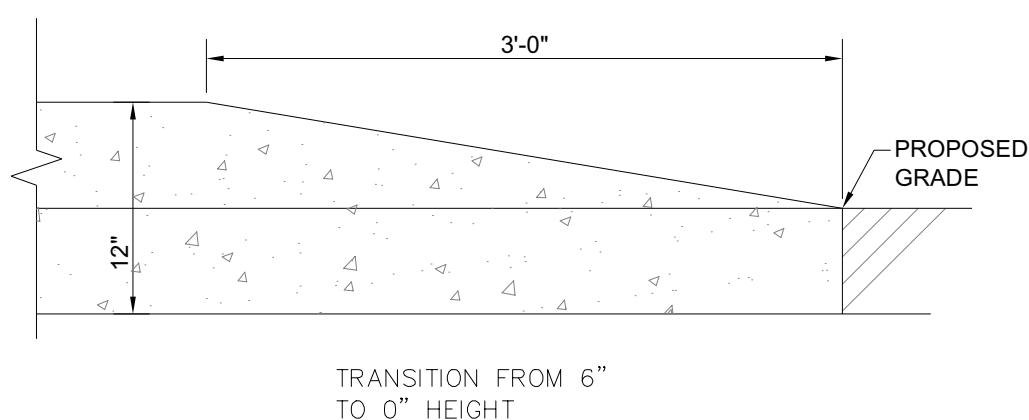
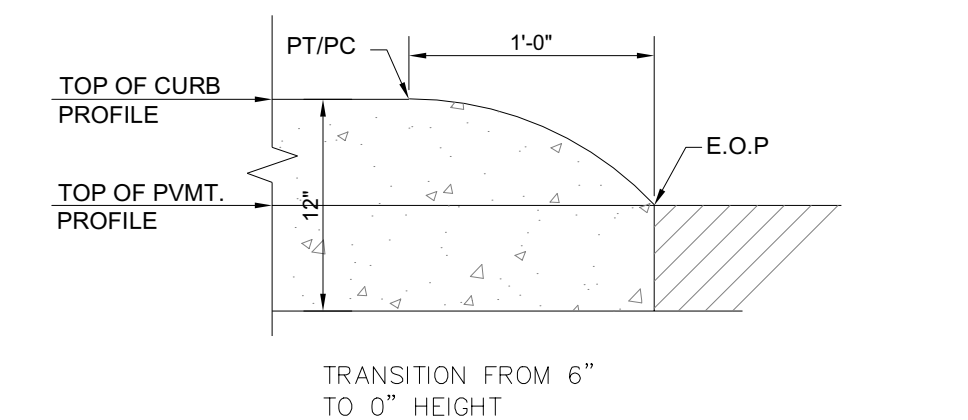
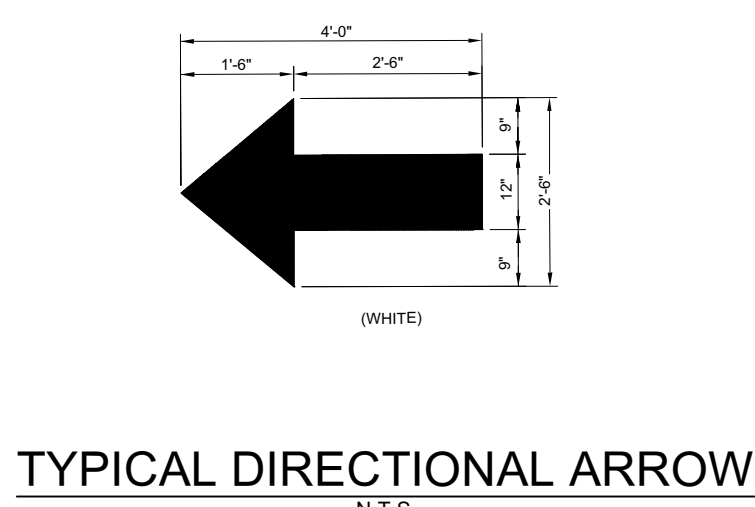
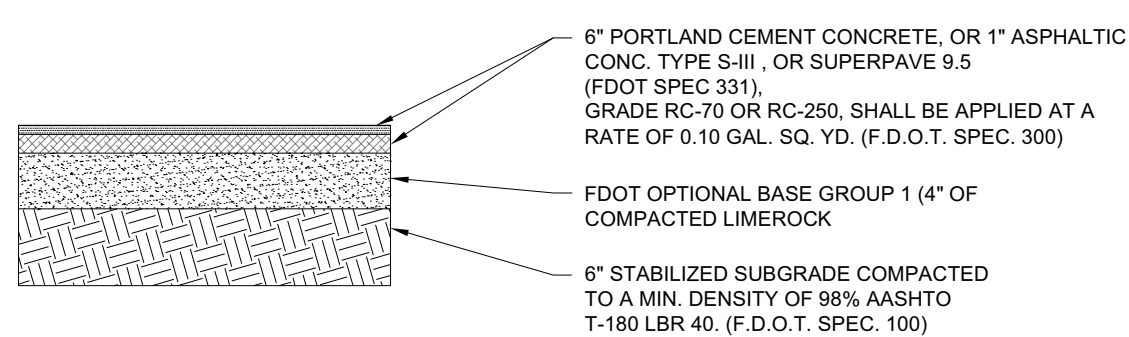
SIDEWALK JOINTS DETAIL



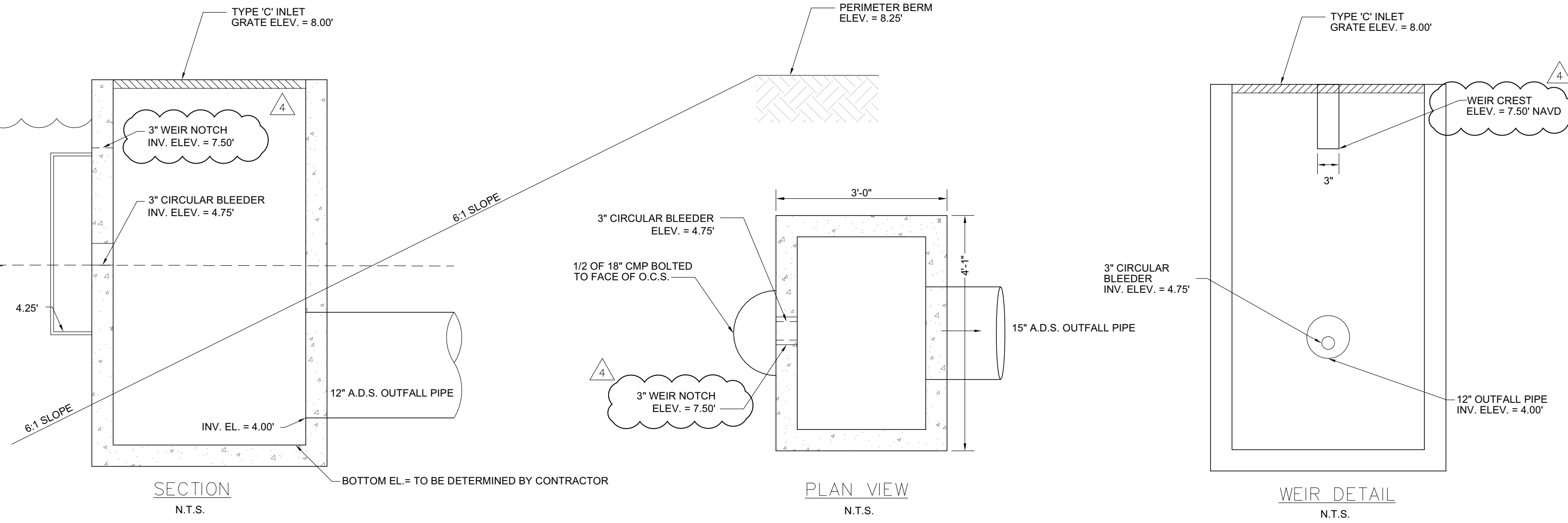
- NOTES:
- CONCRETE TO BE F.D.O.T. CLASS I, 3,000 PSI MINIMUM, WITH 1-1/2" DEEP CONTRACTION JOINTS AT 5' INTERVALS.
 - BRICK PAVERS MAY BE SUBSTITUTED FOR CONCRETE



SIDEWALK SECTION IN COUNTY R.O.W. DETAIL



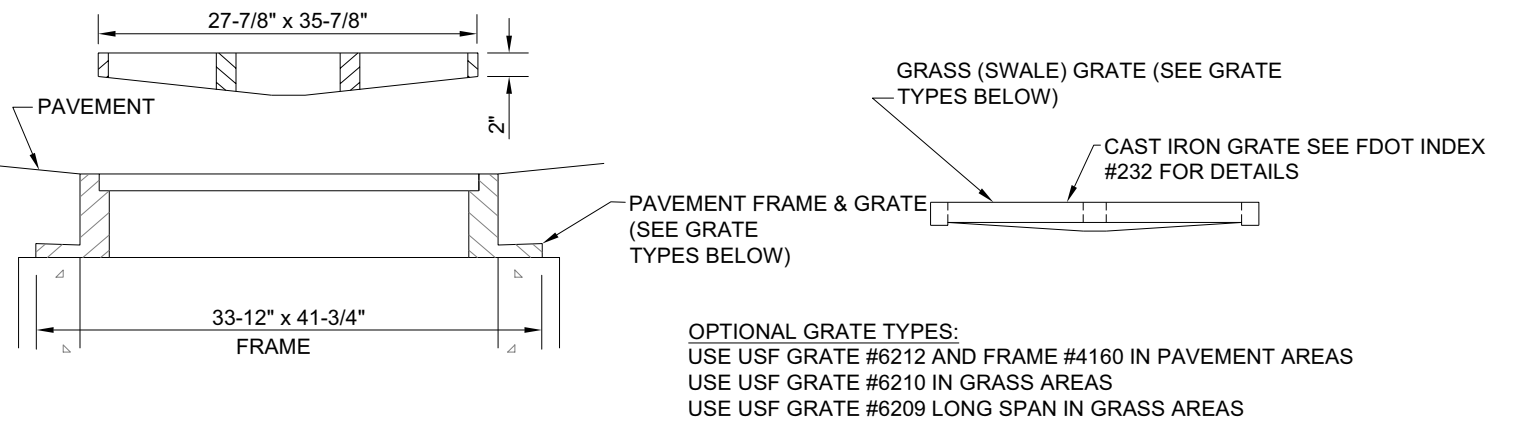
NOTE:
DETECTABLE WARNING MATERIAL SHALL BE PROVIDED (24" MIN. DEPTH AND 36" MIN. WIDTH) AT ALL HANDICAP RAMPS AND WHERE WALKWAYS ENTER VEHICULAR TRAFFIC AREAS, AND SHALL MEET MINIMUM FDOT/ADA REQUIREMENTS. REFER TO FDOT 304 FOR ADDITIONAL STRIPING, DETECTABLE WARNING DETAILS AND NOTES.



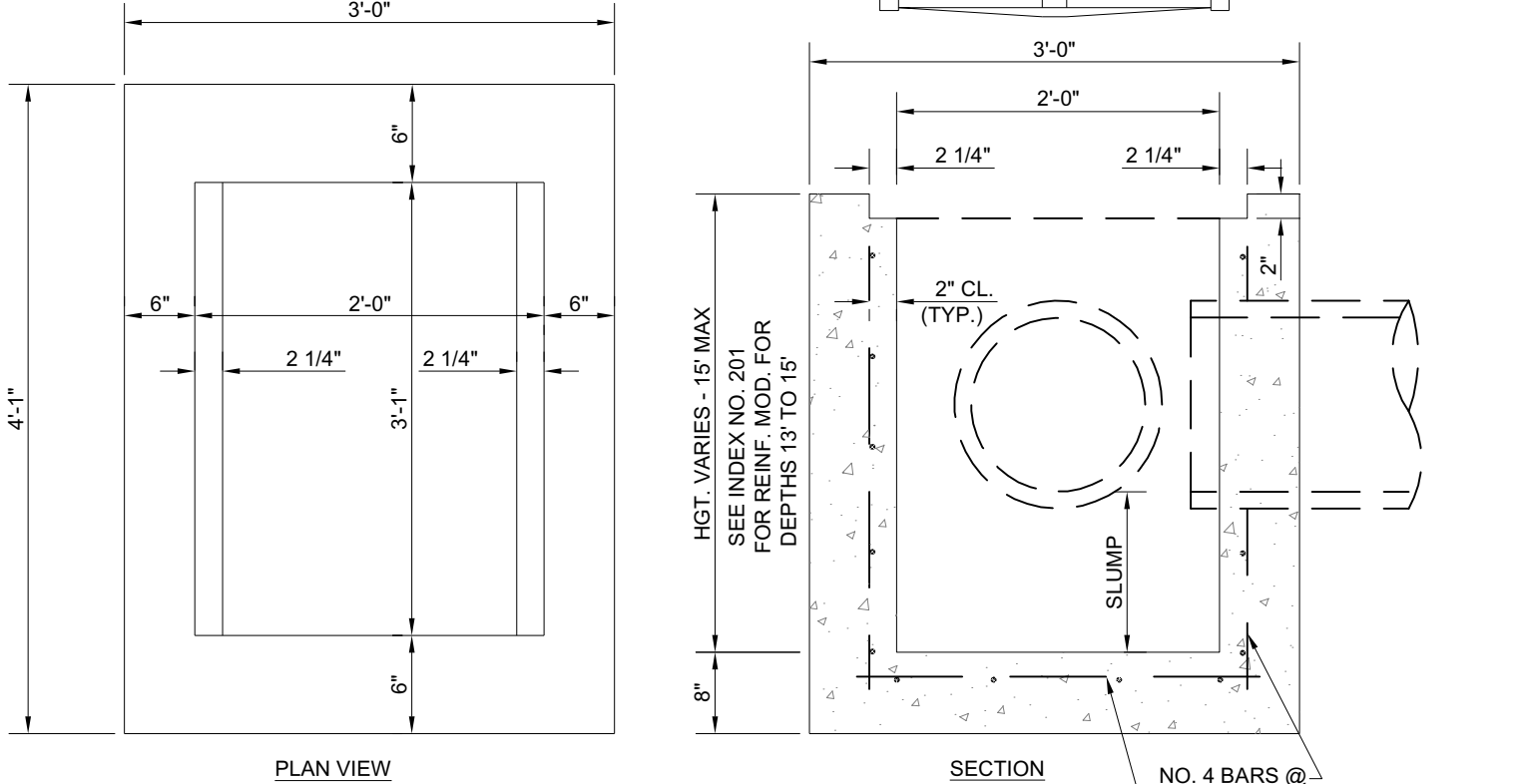
FDOT INDEX #425-052
N.T.S.

PLAN VIEW
N.T.S.

WEIR DETAIL
N.T.S.

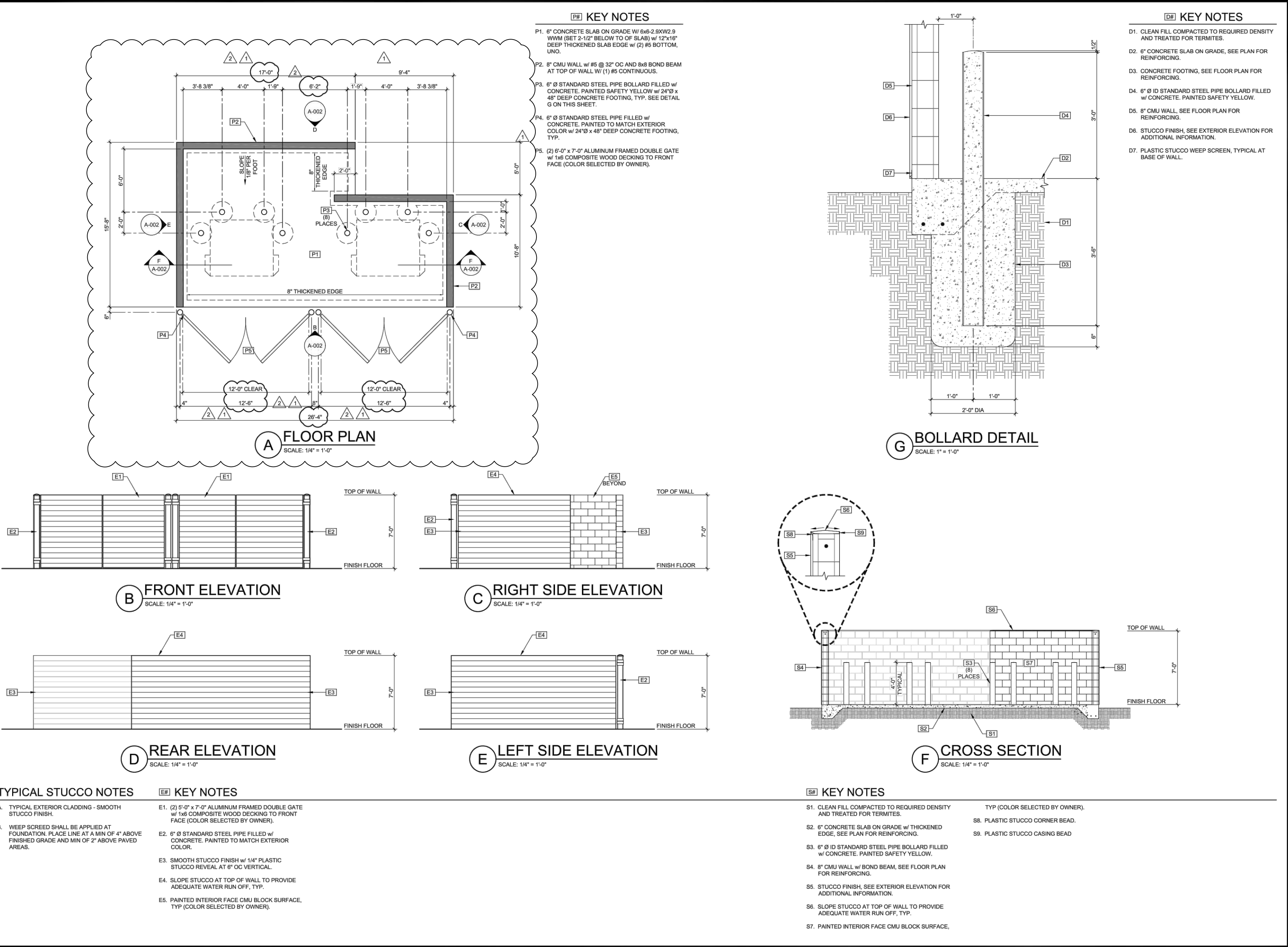


OPTIONAL GRATE TYPES:
USE USF GRATE #6212 AND FRAME #4160 IN PAVEMENT AREAS
USE USF GRATE #6210 IN GRASS AREAS
USE USF GRATE #6209 LONG SPAN IN GRASS AREAS



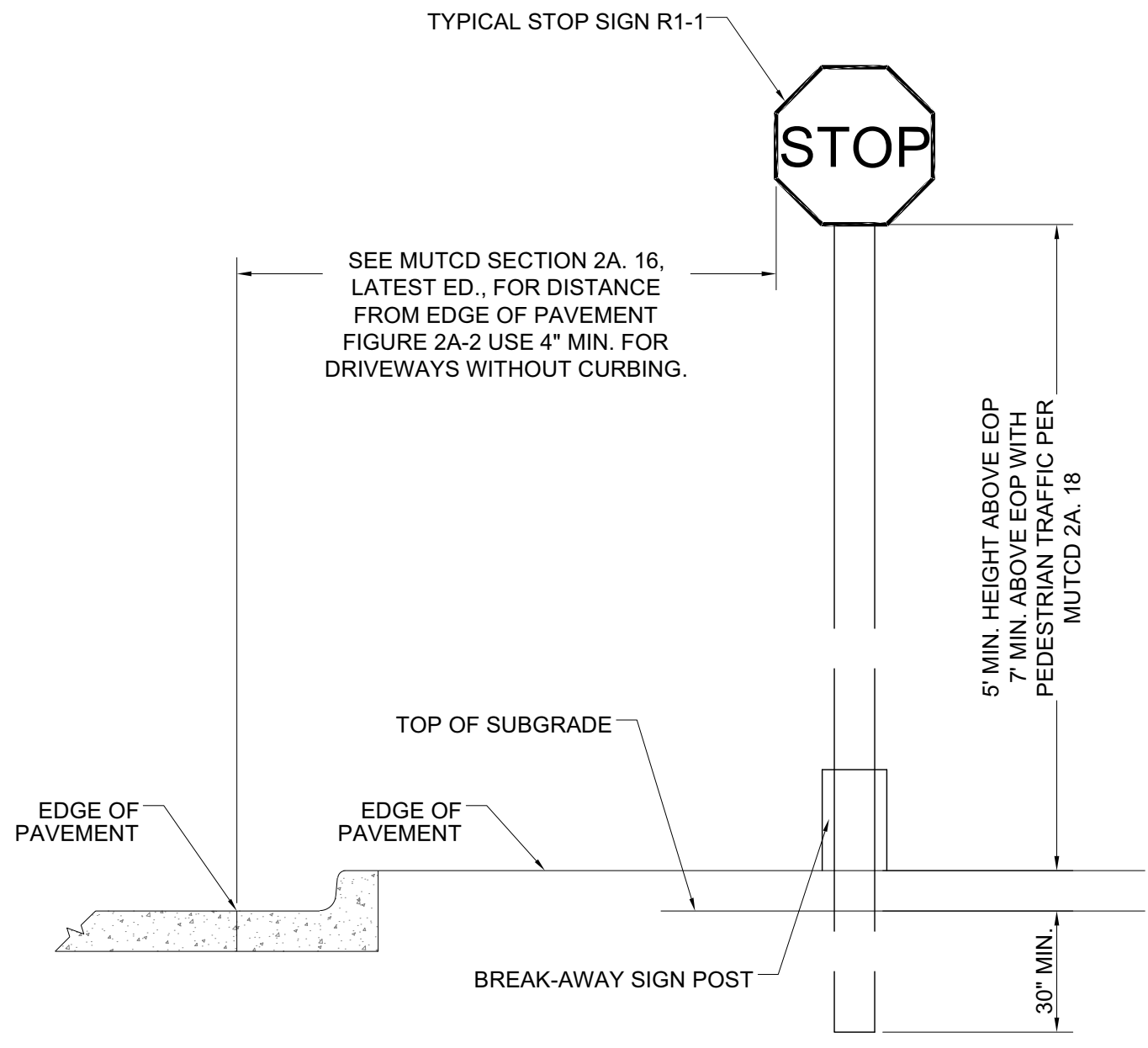
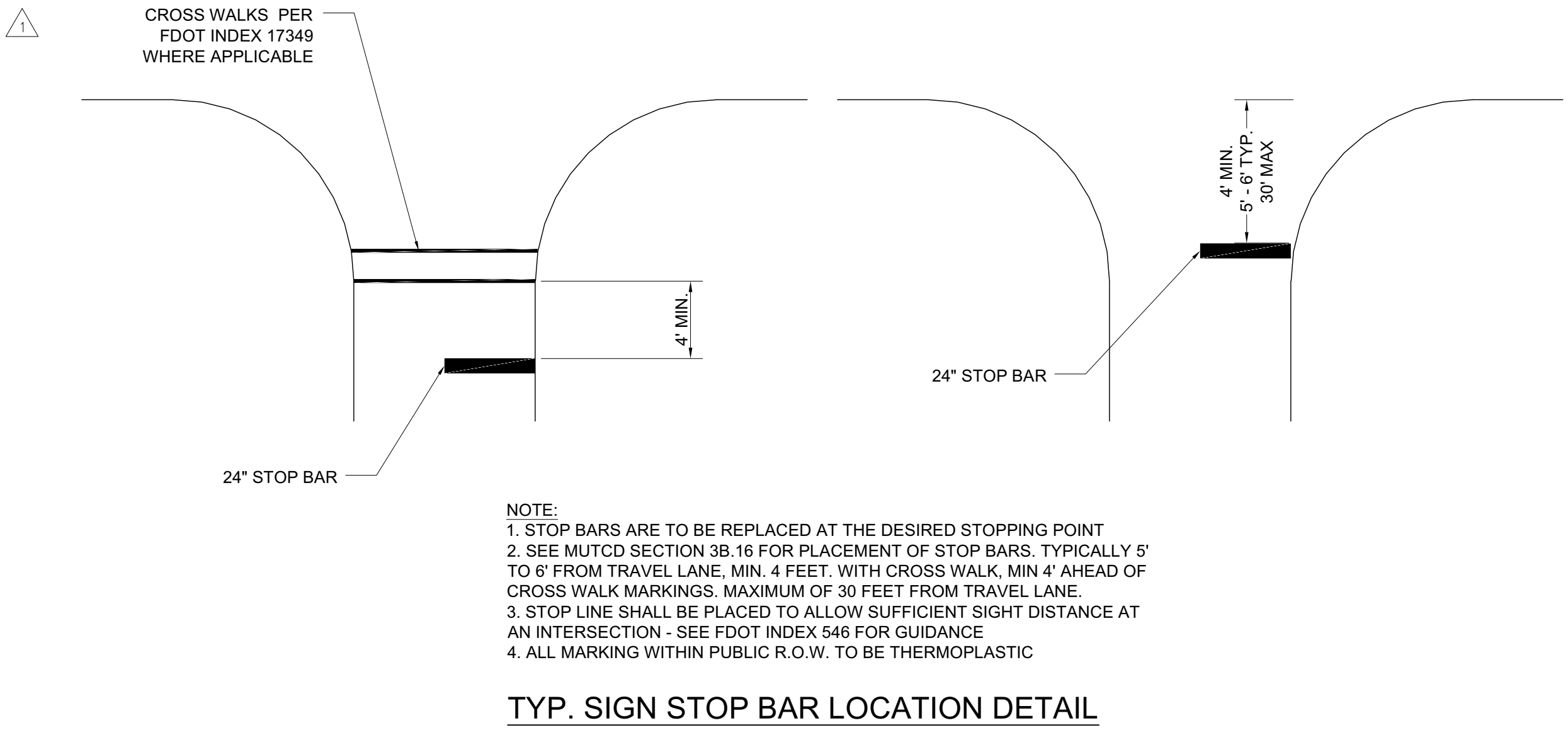
- INLET NOTES:
- REFER TO FDOT STANDARD INDEX NO. 200, 201, AND 232 FOR ADDITIONAL AND SUPPLEMENTARY DETAILS.
 - STRUCTURES MAY BE CAST IN PLACE OR PRE CAST WITH CLASS 1 (MIN 3000 PSI) CONCRETE PER FDOT SECTION 425. CONCRETE AS SPECIFIED BY ASTM C-478 (MIN 4000 PSI) MAY BE USED IN PRE CAST ITEMS MANUFACTURED IN PLANTS AS SPECIFIED IN FDOT STANDARD INDEX NO. 201.
 - R.C.P. SHALL BE REINFORCED CONCRETE PIPE CONFORMING TO F.D.O.T. SEC. 941.
 - PLACE SOD 4" ON ALL SIDES OF INLET IN GREEN AREAS UNLESS OTHERWISE NOTED.
 - FOR "C" INLETS USE USF GRATE #6212 AND FRAME #4160 FOR PAVEMENT AREAS. USE USF GRATE #6210 OR #6209 (LONG SPAN) FOR GRASS AREAS.
 - ALL INLET GRATES SHALL BE COVERED WITH FILTER FABRIC DURING CONSTRUCTION.
*AT INLETS INDICATED WITH SUMP, SEE PLANS.

Y:\CAD\2021\21-108\DRAINAGE DETAILS.dwg Tuesday, March 15, 2022 1:35:44 AM

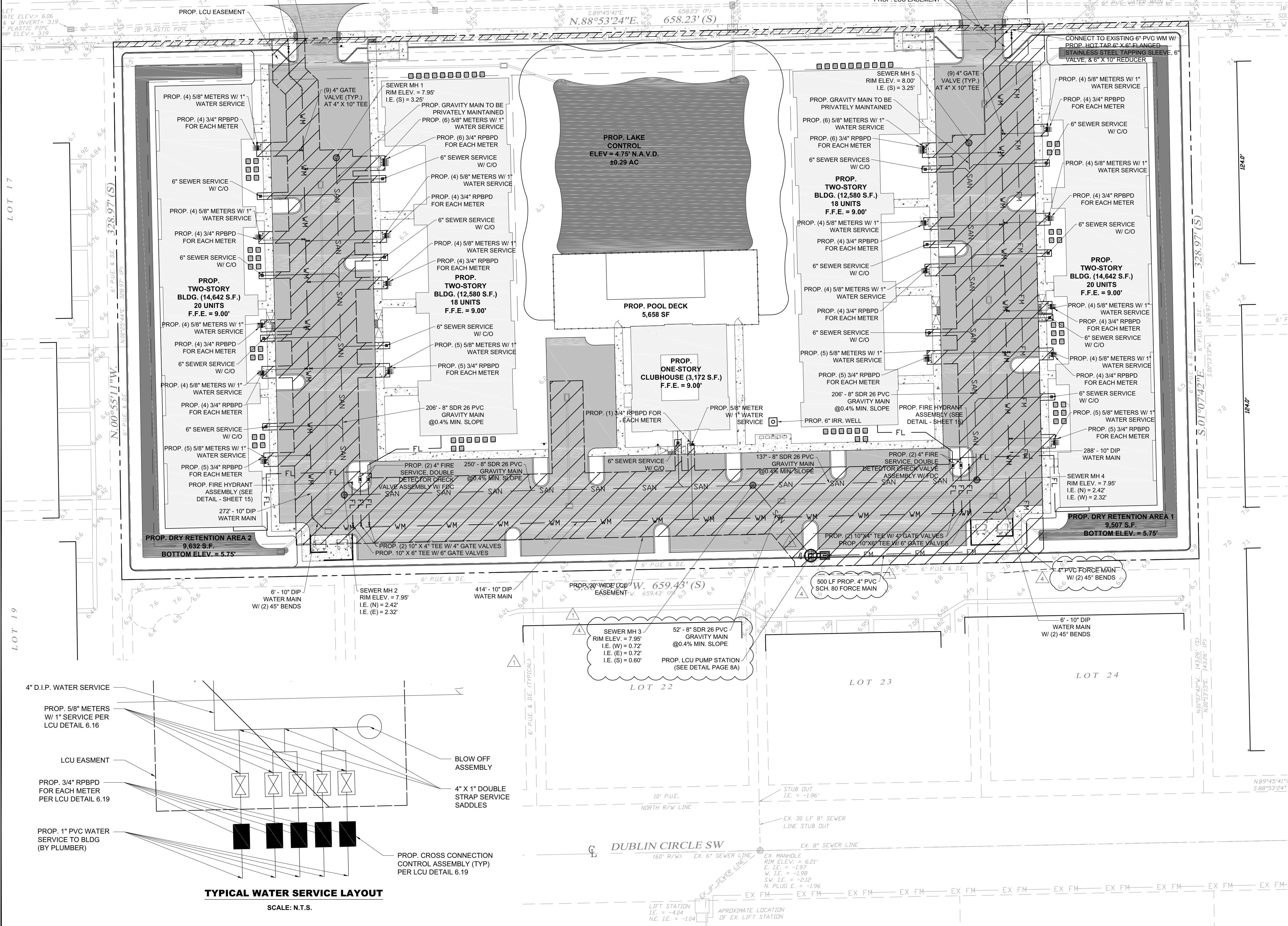


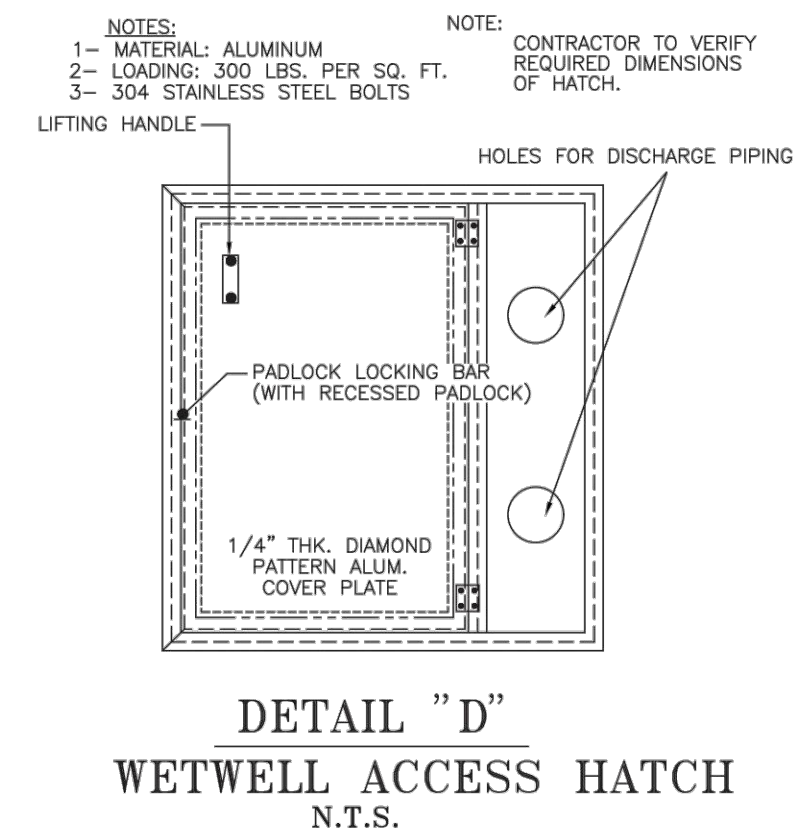
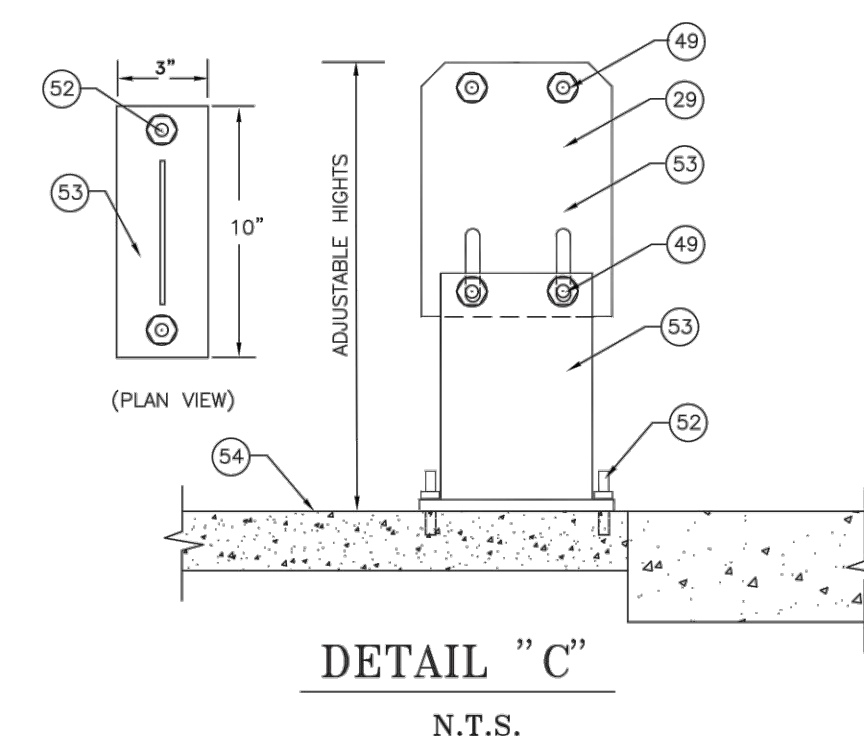
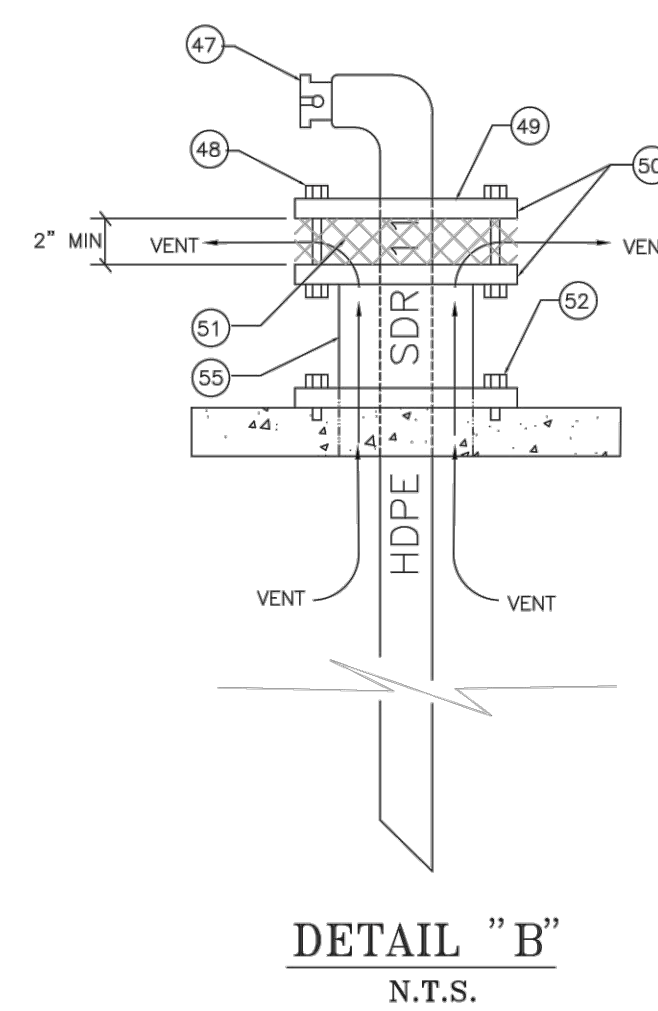
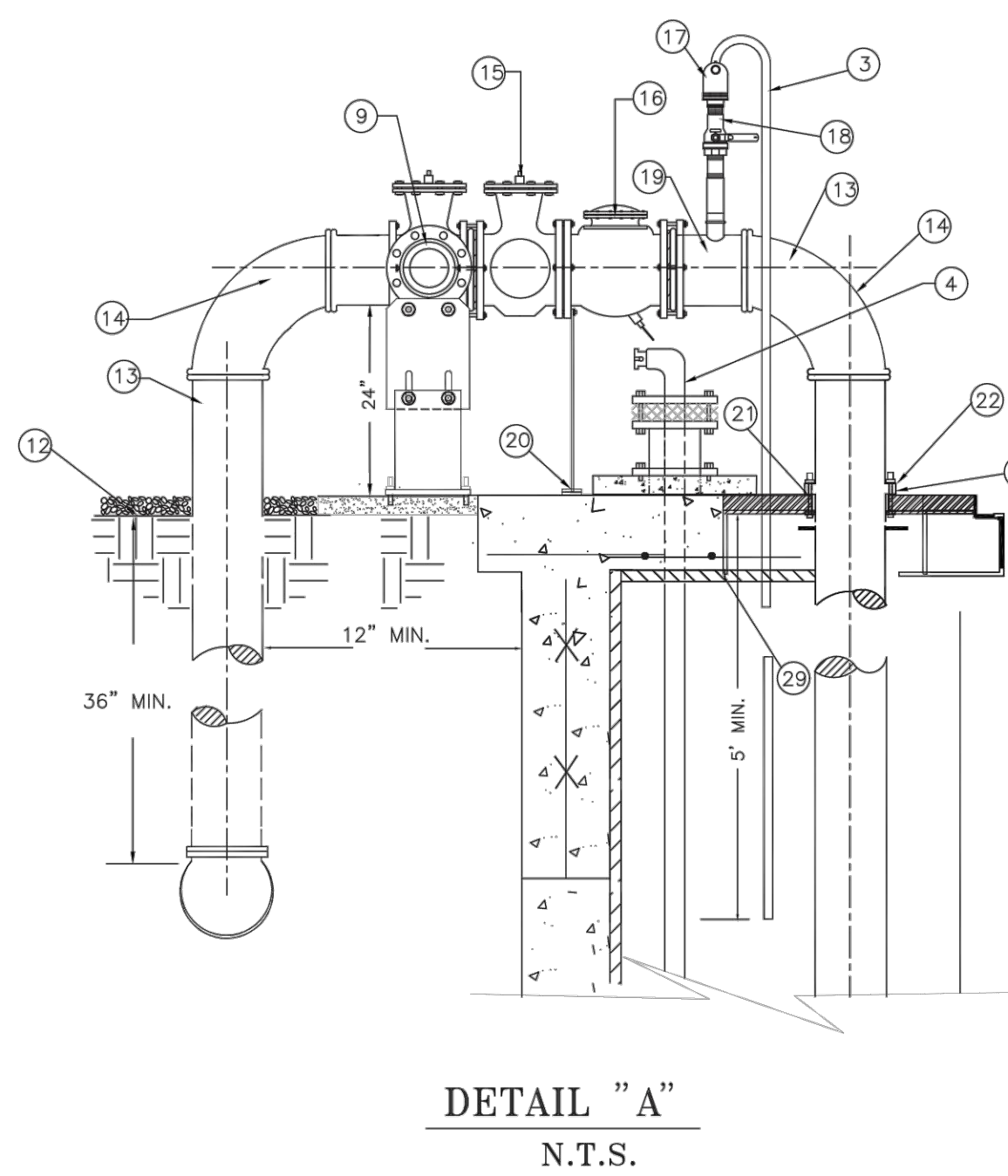
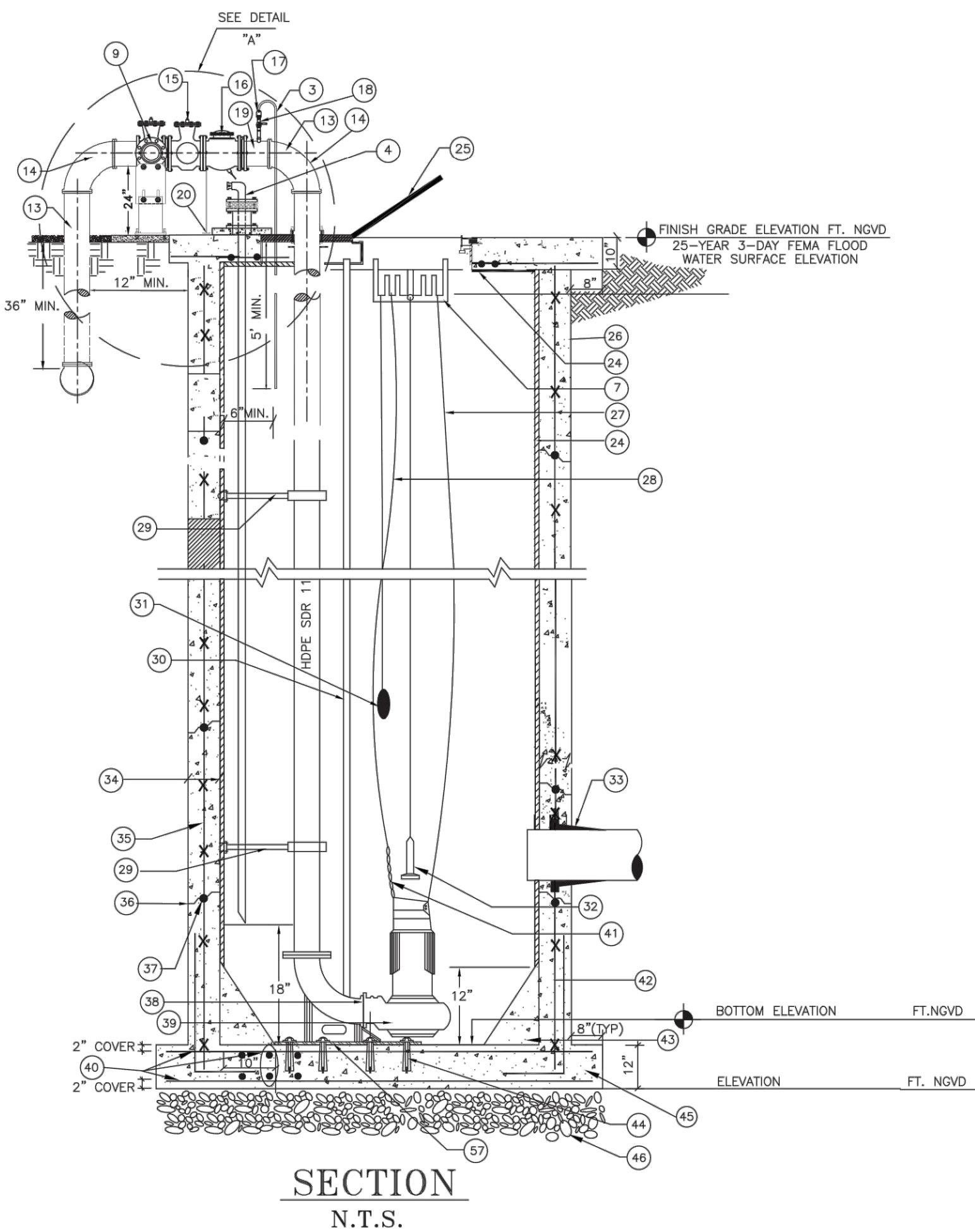
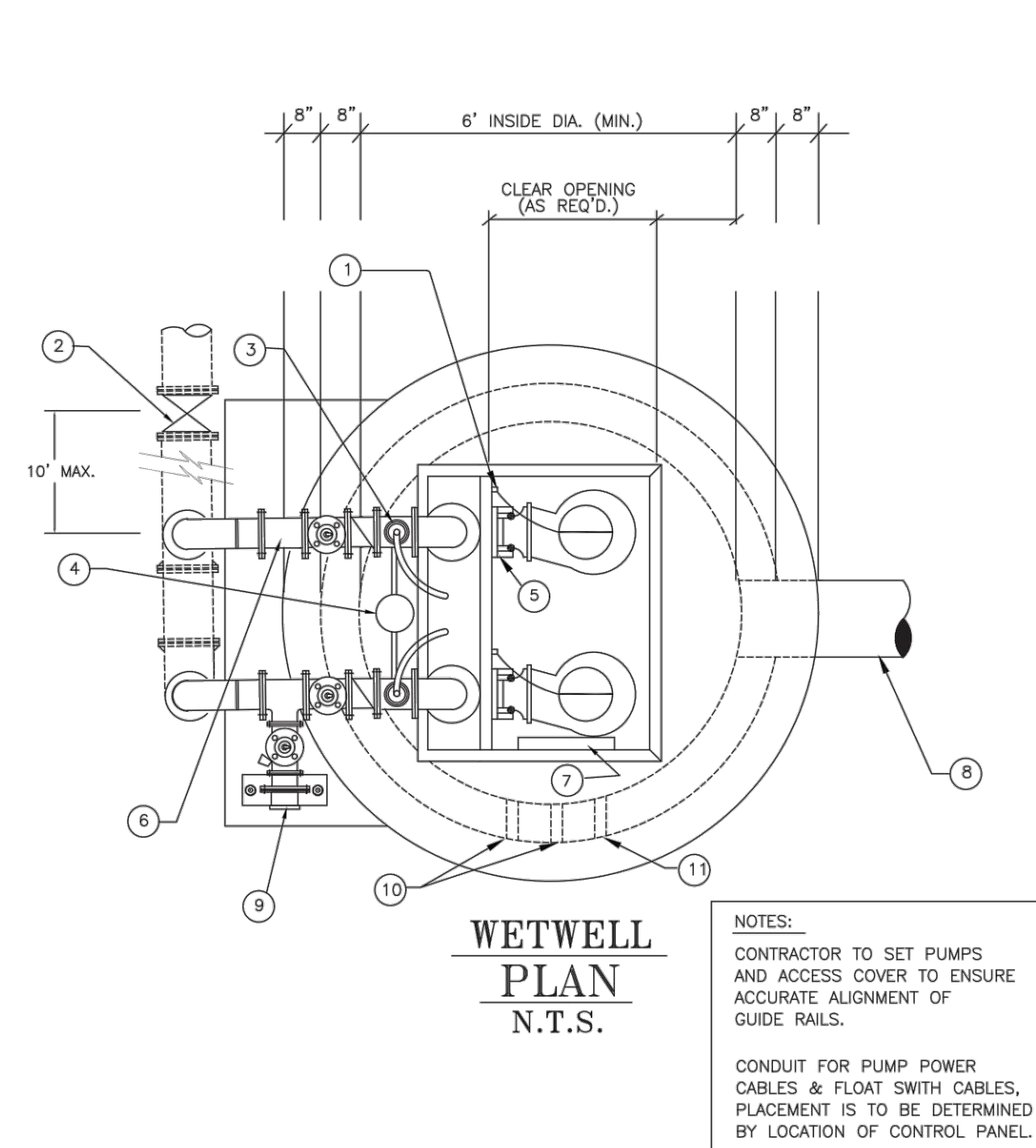
DOUBLE MASONRY TRASH PAD ENCLOSURE DETAIL W/ GATES
TO BE DONE BY OTHERS (SEE ARCHITECTURAL PLANS)

N.T.S.



DATE:	21-108	PROJ. #:	21-108	CAD TECH:	ACS	ENGINEER:	PETER M. MAASTRICHT, P.E.	FL LICENSE NUMBER:	16680
MAASTRICHT ENGINEERING									
7375 COLLEGE PARKWAY, SUITE 211 • FORT MYERS, FL 33907 • (239) 932-1008 • (239) 932-1009									
DEVELOPER: PA REAL ESTATE INTERNATIONAL 2609 COLLINS AVE MIAMI BEACH, FL 33140									
DATE	BY	REVISION DESCRIPTION							
08-09-21	ACS	LEE COUNTY 1ST INSUFFICIENCY LETTER AUGUST							
11-30-21	ACS	SWARD 1ST RAI NOVEMBER							
02-14-22	ACS	SWARD 2ND RAI FEBRUARY							
08-09-21	ACS	LEE COUNTY 2ND INSUFFICIENCY LETTER DECEMBER							
KELLY ROAD 76 UNIT MULTI-FAMILY ROAD 11901 KELLY ROAD FORT MYERS, FL 33908									
GRADING, PAVING & DRAINAGE DETAILS									
SHEET 7A OF 16									



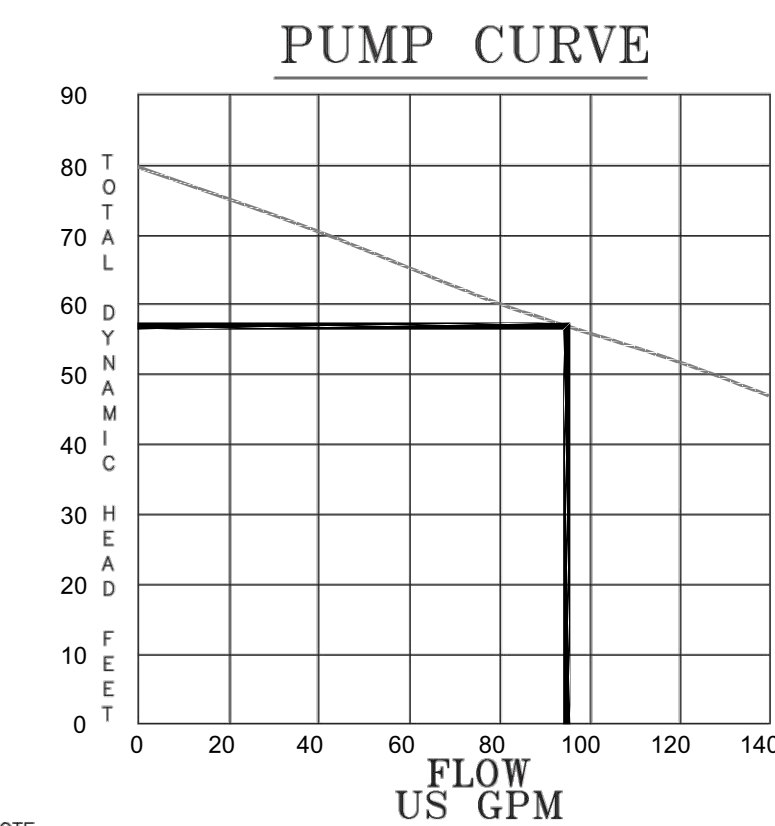


GENERAL NOTES AND REQUIREMENTS

- 1 1/4" THK. SERIES 300 STAINLESS STEEL HOOKS FOR HOIST CABLES
- 2 PLUG VALVE
- 3 PVC DRAIN LINE FROM AIR RELEASE VALVE TO WET WELL
- 4 EMERGENCY PUMP OUT AND AIRVENT (SAME DIAMETER AS DISCHARGE PIPING) (SEE DETAIL "B")
- 5 GUIDE RAILS
- 6 SPOOL PIECE
- 7 STAINLESS STEEL FLOAT CABLE SUPPORT
- 8 INFLUENT PIPE INSTALLED RADIALLY FROM WETWELL CENTER
- 9 FEMALE QUICK CONNECT COUPLER WITH CAP AND PLUG VALVE
- 10 POWER CABLE
- 11 FLOAT CONTROLS
- 12 FILTER CLOTH WITH 4" OF COMPACTED #57 STONE
- 13 HDPE PIPE
- 14 LONG RADIUS 90° BEND
- 15 PLUG VALVE (PAINT BLACK)
- 16 SWING FLEX CHECK VALVE (PAINT BLACK)
- 17 2" AUTOMATIC AIR RELEASE VALVE (SEE LCU APPROVED MATERIAL LIST) ON EACH DISCHARGE PIPE
- 18 2" STAINLESS STEEL BALL VALVE (SEE APPROVED MATERIAL LIST)
- 19 HDPE BRANCH SADDLE PE 3408 ASTM D3350 (BLACK) WITH FEMALE THREADED INSERT BRASS ALLOY
- 20 STAINLESS COMPRESSION RING GRADE TYPE 304 OR 316
- 21 STAINLESS STEEL PIPE SUPPORT (SEE DETAIL "C")
- 22 NEOPRENE GASKET
- 23 STAINLESS STEEL FLANGE RING
- 24 HDPE RIM (FUSED TO HDPE PIPE)
- 25 LINER OR COATING (SEE LCU APPROVED MATERIAL LIST)
- 26 ALUMINUM HATCH (SEE DETAIL D)
- 27 COAL TAR EPOXY (BELOW FINISHED GRADE)
- 28 SENSOR CABLE
- 29 SERIES 316 STAINLESS STEEL 1/4" CABLE
- 30 SERIES 316 STAINLESS STEEL PIPE SUPPORT
- 31 2" SERIES 316 STAINLESS STEEL GUIDE RAILS
- 32 HIGH WATER ALARM SIGNAL ON
- 33 SUBMERSIBLE LEVEL TRANSMITTER
- 34 CAST IN PLACE FLEXIBLE PIPE CONNECTION WITH SERIES 316 STAINLESS STEEL CLAMP C-923, CHARDON RUBBER, O/E (TYP.) WALL THICKNESS 8" MIN.
- 35 STEEL REINFORCEMENT
- 36 RAM-NEK OR EQUAL PREFORMED PLASTIC
- 37 GASKET MATERIAL BETWEEN PRECAST UNITS (TYP.)
- 38 AUTOMATIC DISCHARGE CONNECTION TO SUIT PUMP
- 39 SUBMERSIBLE PUMPS
- 40 #5 AT 8" CENTER
- 41 SERIES 316 STAINLESS STEEL 3/8" CHAIN (1'-6" LONG)
- 42 #4 AT 8" CENTER
- 43 CONC. OR PORTLAND TYLE #1 & SAND MIX
- 44 3/4" DIA. x 8" STAINLESS STEEL WEDGE BOLT SLOTTED PIPING ANCHORS, 8 EA. REFER TO LCU STANDARD DETAIL.
- 45 BASE SECTION TO BE A MONOLITHIC CASTING
- 46 12" MIN. COMPACTED #57 STONE
- 47 CAM LOCK COUPLING ON EMERGENCY PUMP OUT
- 48 STAINLESS STEEL BOLTS
- 49 BLIND FLANGE
- 50 STAINLESS STEEL CLAMP
- 51 STAINLESS STEEL SCREEN CLOTH
- 52 STAINLESS STEEL CONCRETE BOLTS
- 53 3/8" STAINLESS STEEL
- 54 4" THICK 3,000 P.S.I. CONCRETE SLAB
- 55 AIR VENT TO BE 2 PIPE SIZES LARGER THAN EMERGENCY PUMP OUT. THE ACTUAL LOCATION IS TO BE DETERMINED IN THE FIELD.
- 56 LCU PREFERS THE LIFT STATION FENCE TO HAVE DARK GREEN VINYL COATING. HOWEVER, BLACK VINYL IS ACCEPTABLE
- 57 PUMP DISCHARGE BASE PLATE, REFER TO LCU STANDARD DETAIL.

NUMBER OF PUMPS	# 1	# 2	# 3
PUMP MANUFACTURER	FLYGT	FLYGT	
PUMP MODEL NUMBER	N 3085	N 3085	
IMPELLER NUMBER	256	256	
TYPE OF PUMP	SH ADAPTIVE 60 hz		
DESIGN CAPACITY PER PUMP	97	97	(GPM)
TOTAL DYNAMIC HEAD	57	57	(FEET)
SHUT-OFF HEAD	80	80	(FEET)
DESIGN SPEED			(RPM)
MIN. HORSEPOWER PER PUMP	4	4	(HP)
VOLTS	400	400	(VOLTS)
PHASE POWER	3	3	(PH)
PUMP DISCHARGE SIZE	3 1/8	3 1/8	(INCHES)
DIAMETER RISER PIPE	4	4	(INCHES)
PUMP ON ELEVATION	-1.60'	-1.60'	(FEET)
HIGH WATER ALARM		-0.10'	(FEET)
PUMP OFF ELEVATION		-2.10'	(FEET)
DIAMETER PIPE AFTER RISER	FOUR (4")		(INCHES)
DIAMETER WETWELL (I.D.)	EIGHT (8')		(FEET)
TOP OF WETWELL ELEVATION	8.25'		(FEET)
BOTTOM ELEVATION	-3.60'		(FEET)
INFLUENT GRAVITY PIPE ELEVATION	0.40'		(FEET)

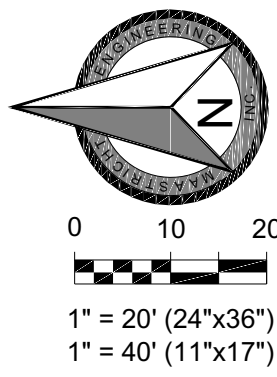
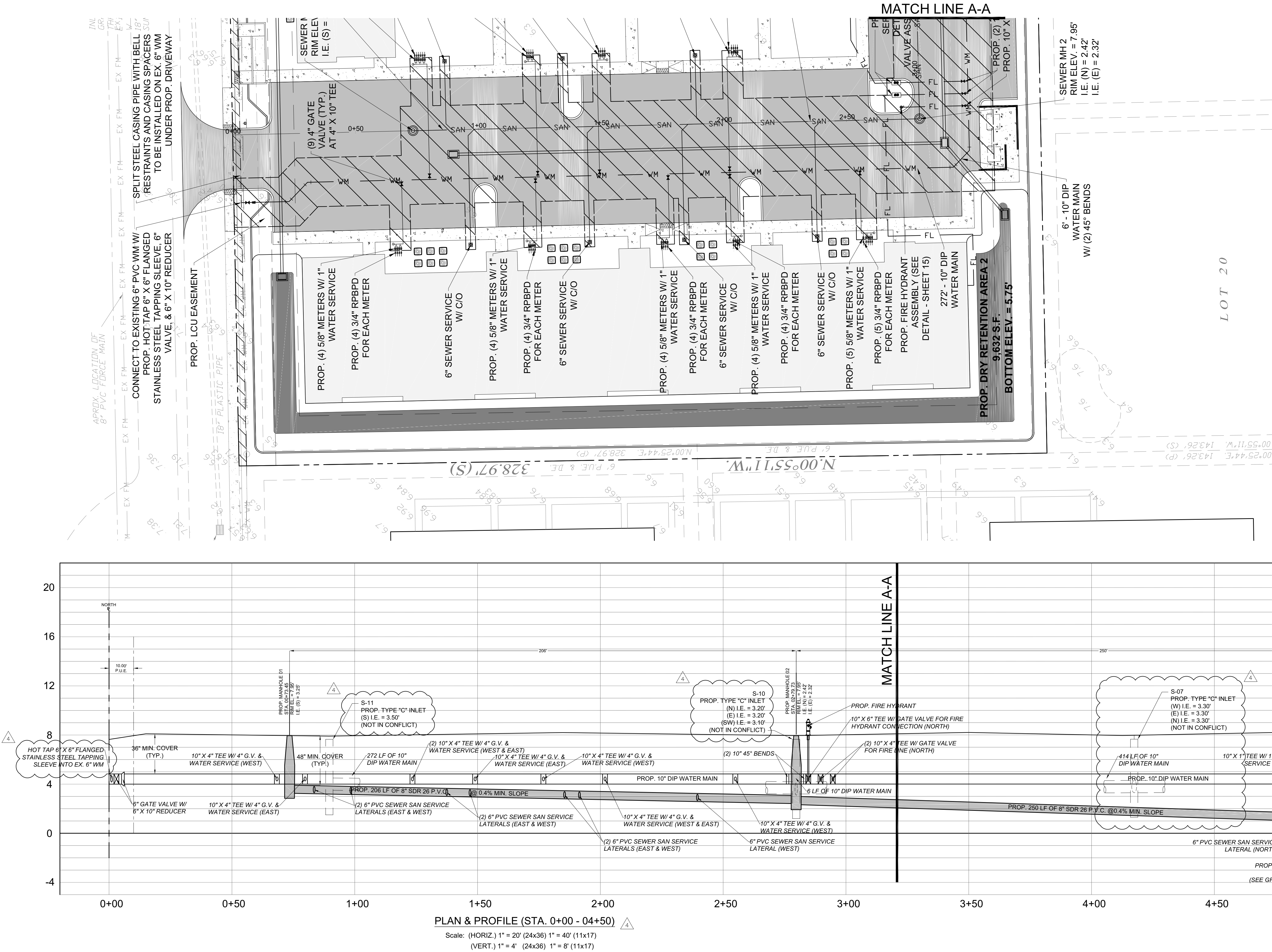
BASIS OF DESIGN			
	ADF (gpm)	PHF (gpm)	EDU (1 EDU=250 gpd)
EXISTING	0.00	0.00	0.00
INTERIM	0.00	0.00	0.00
FUTURE	10.60	37.10	60.80

[illegible]

4

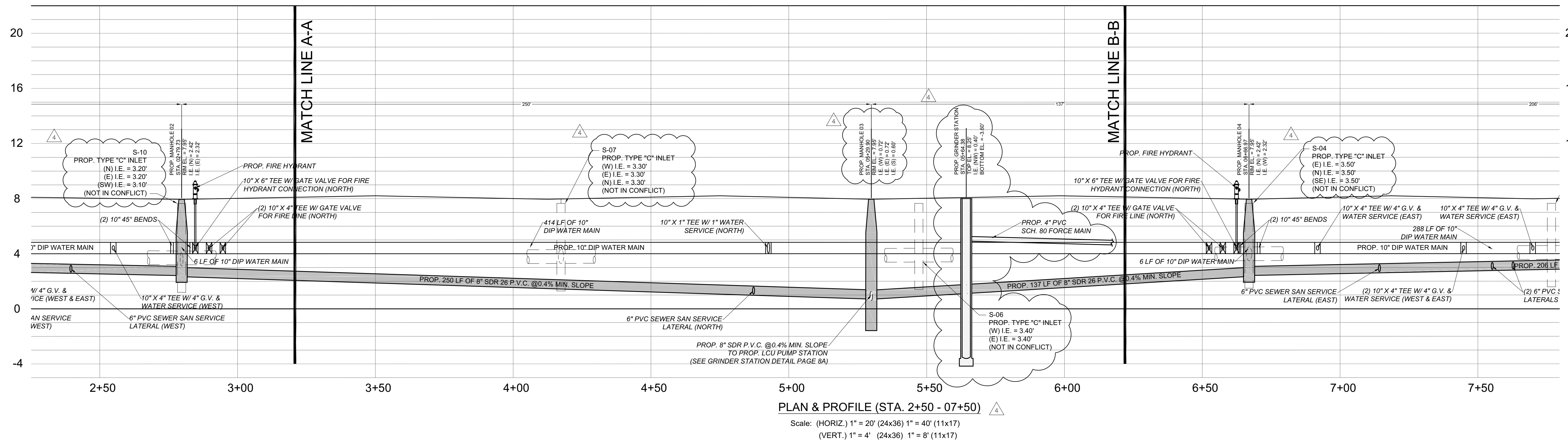
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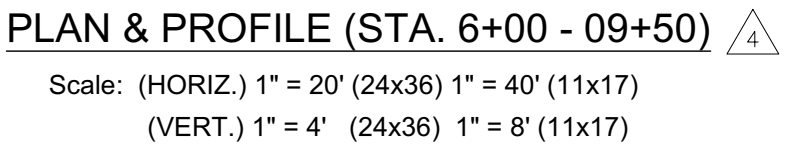
ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN
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OBTAINING SCALED DATA.

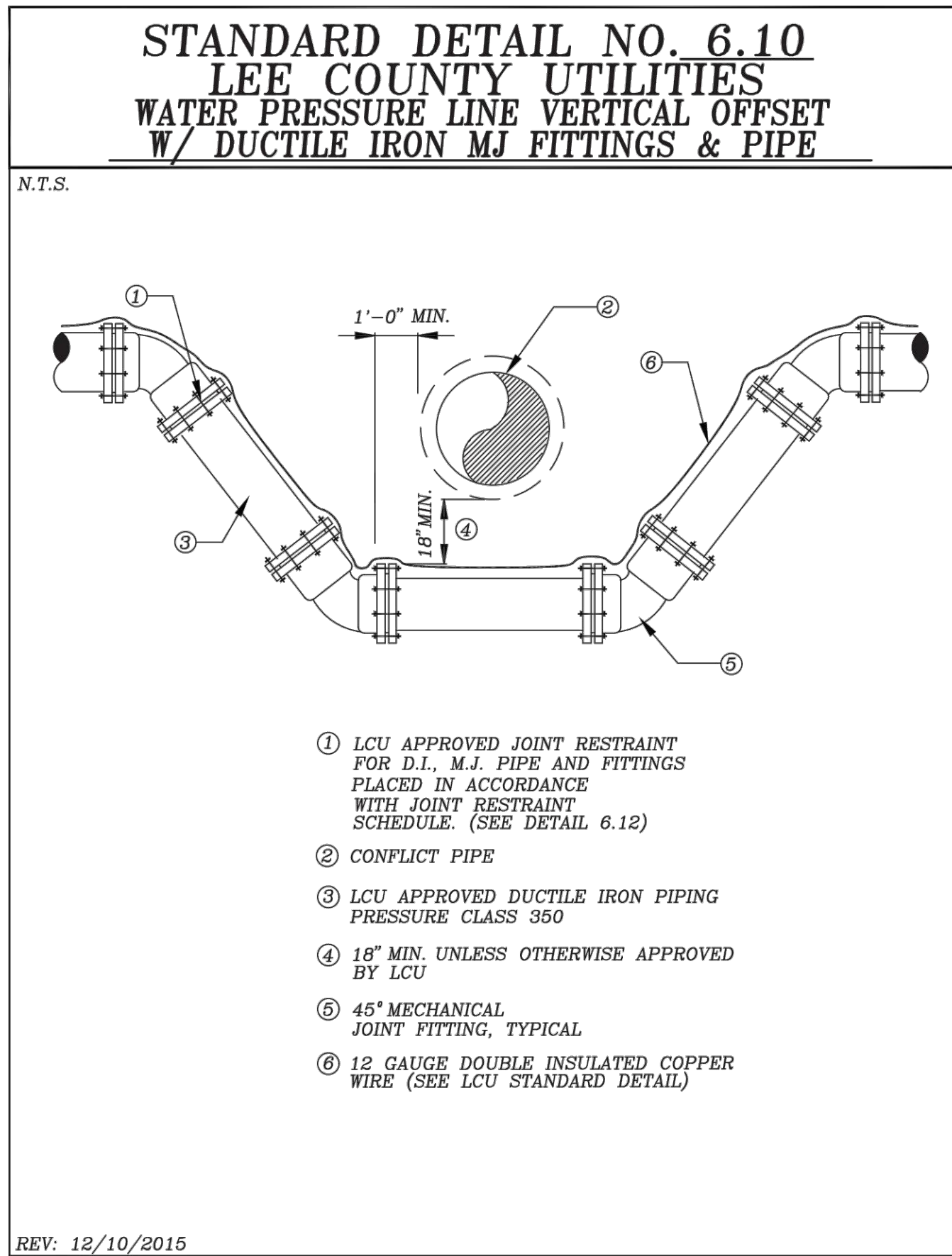
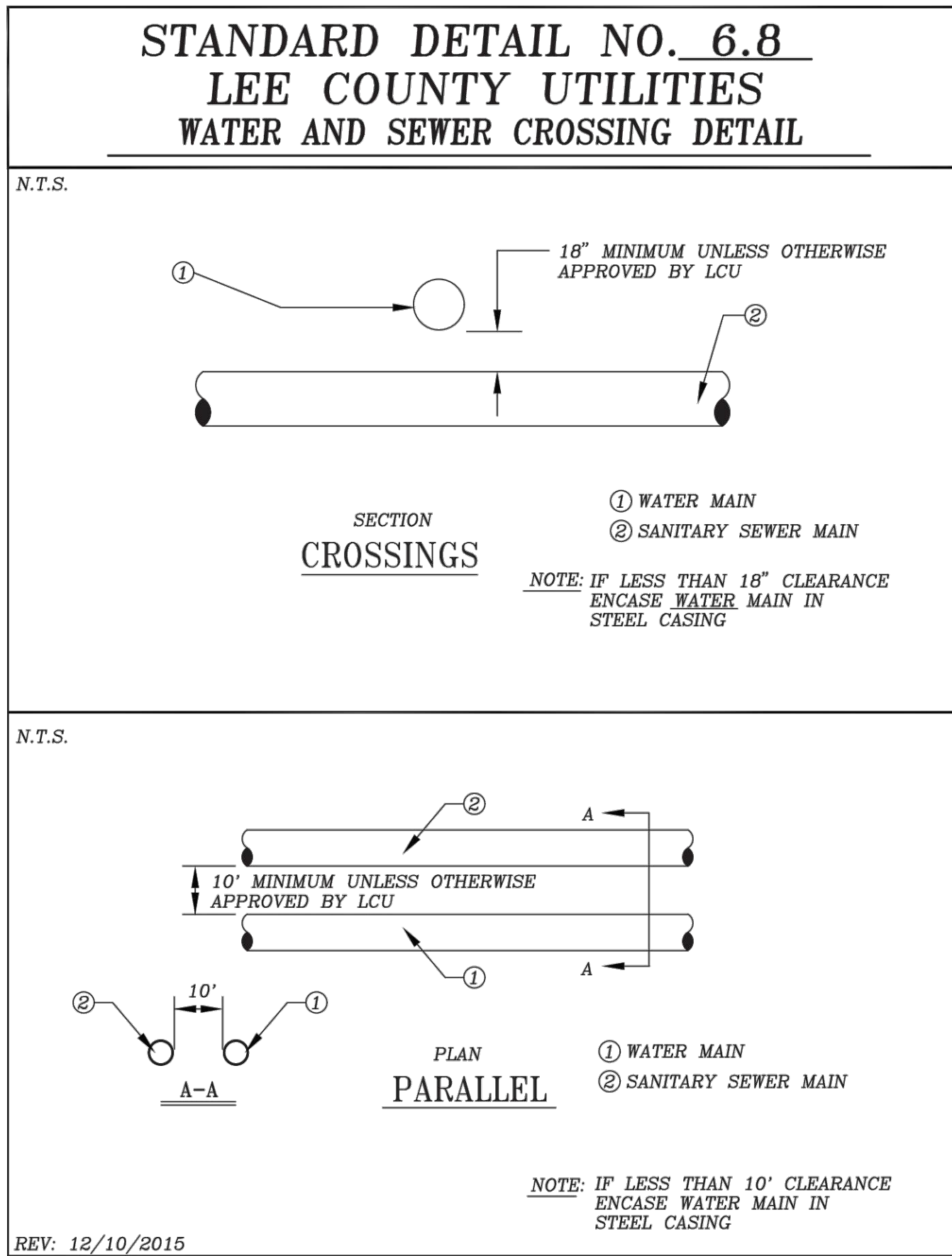
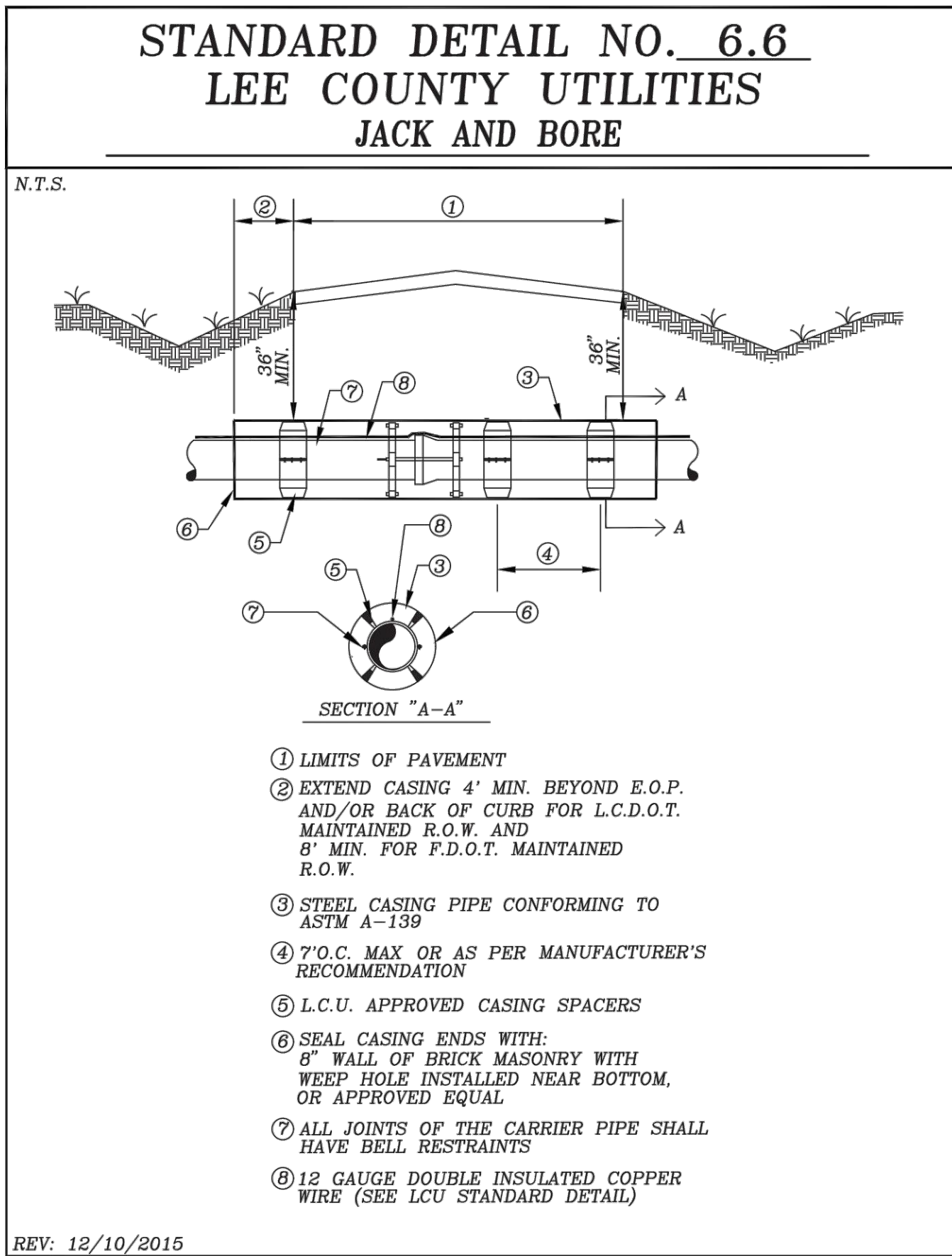
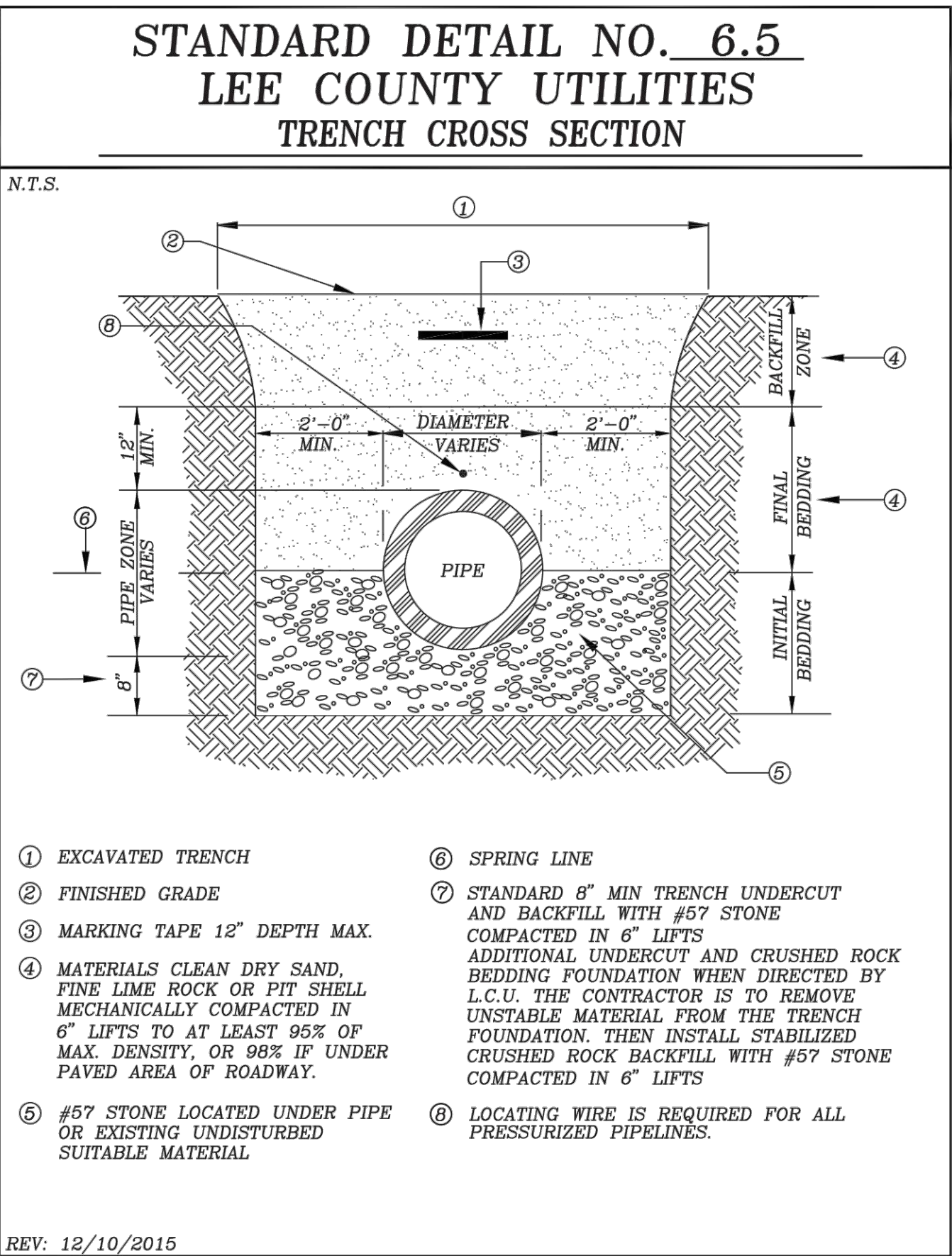
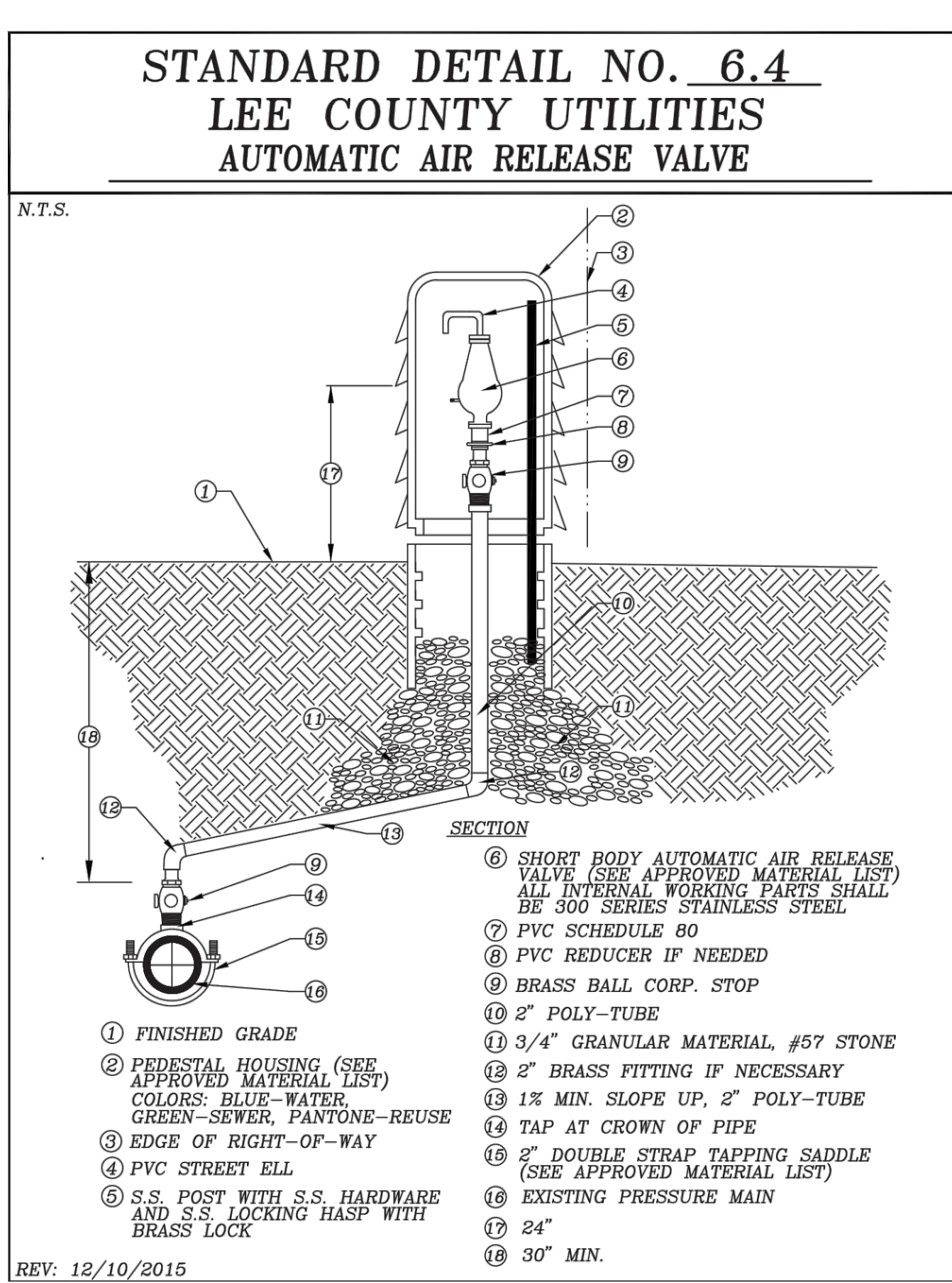
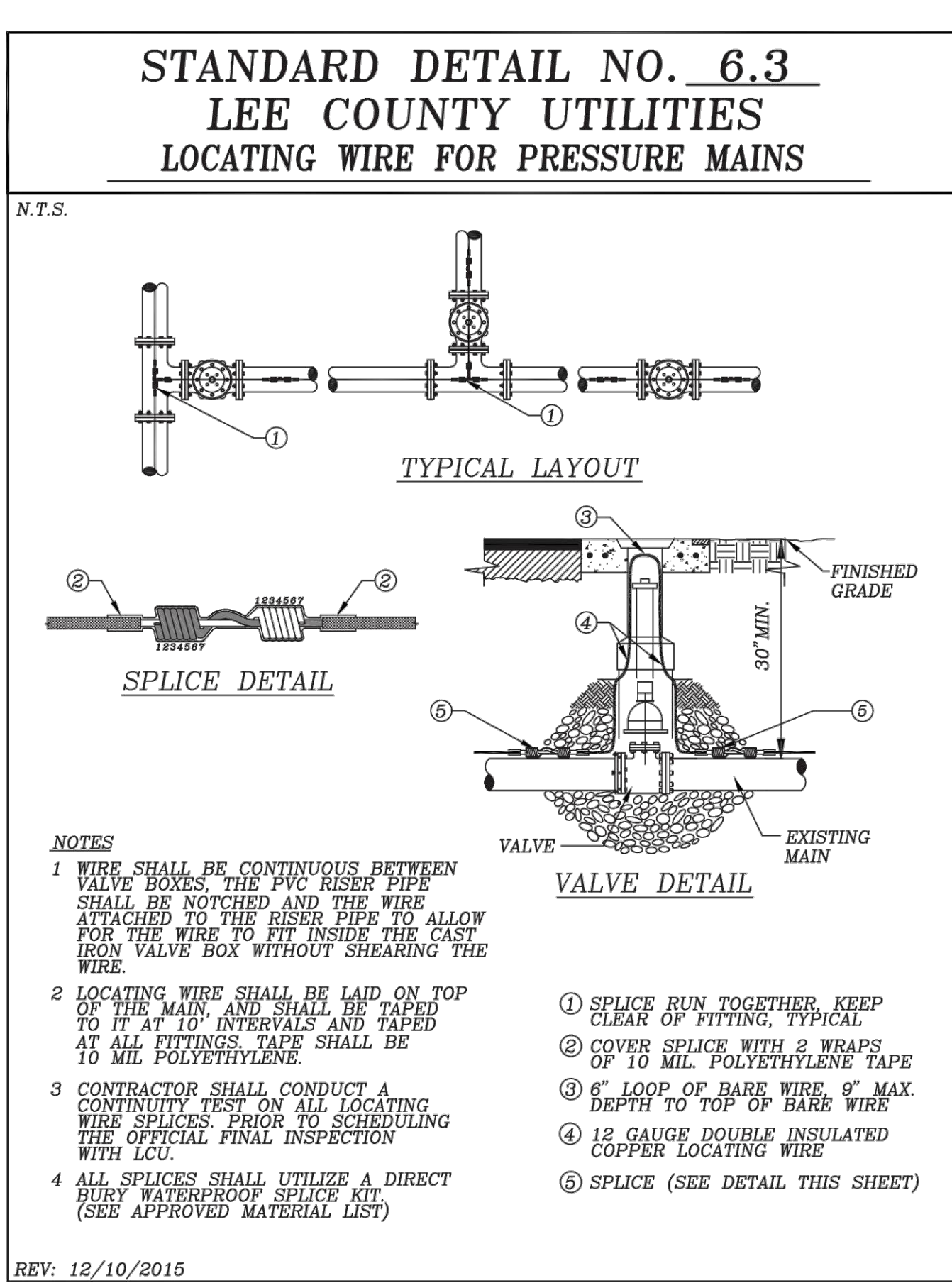
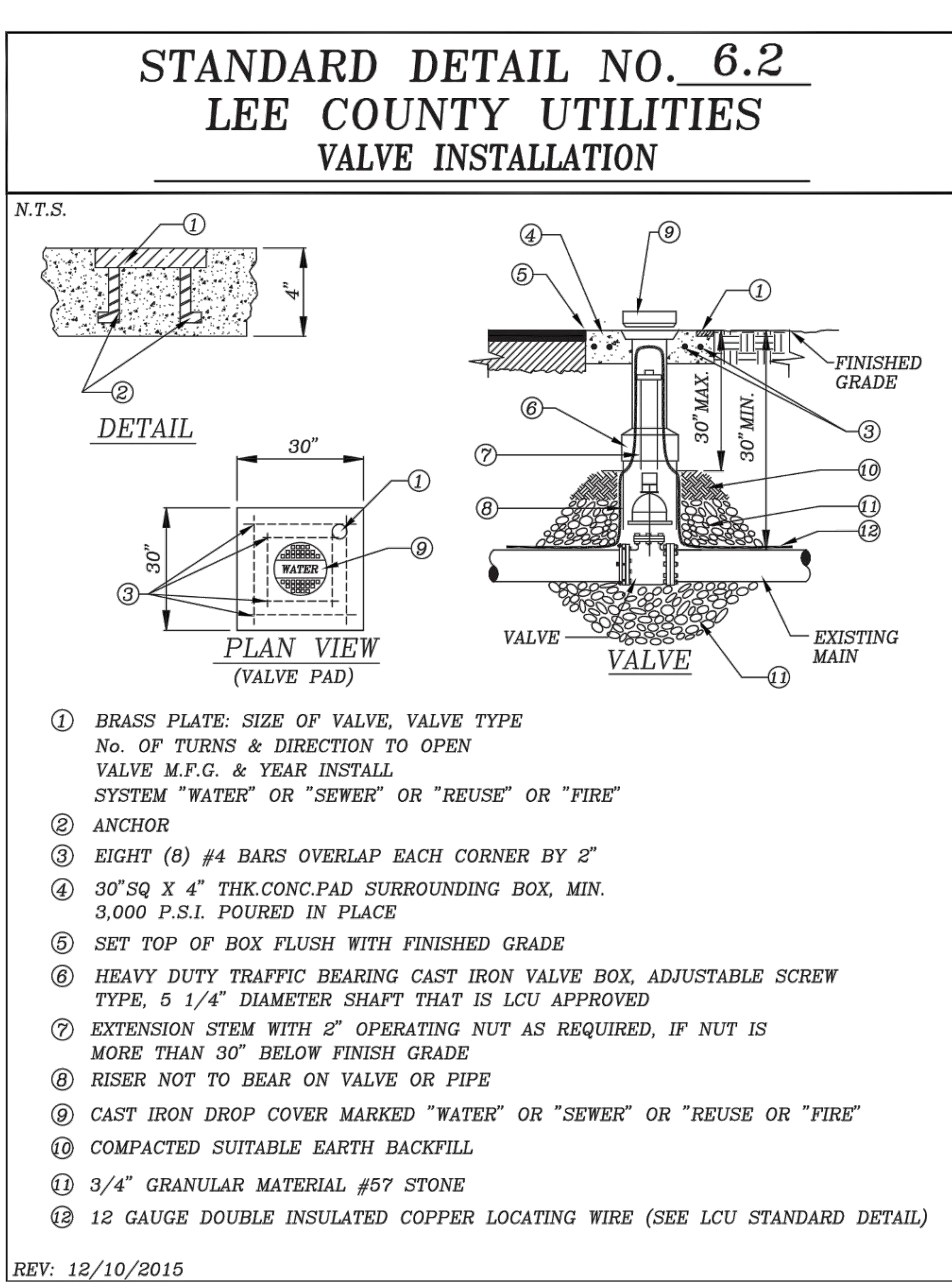
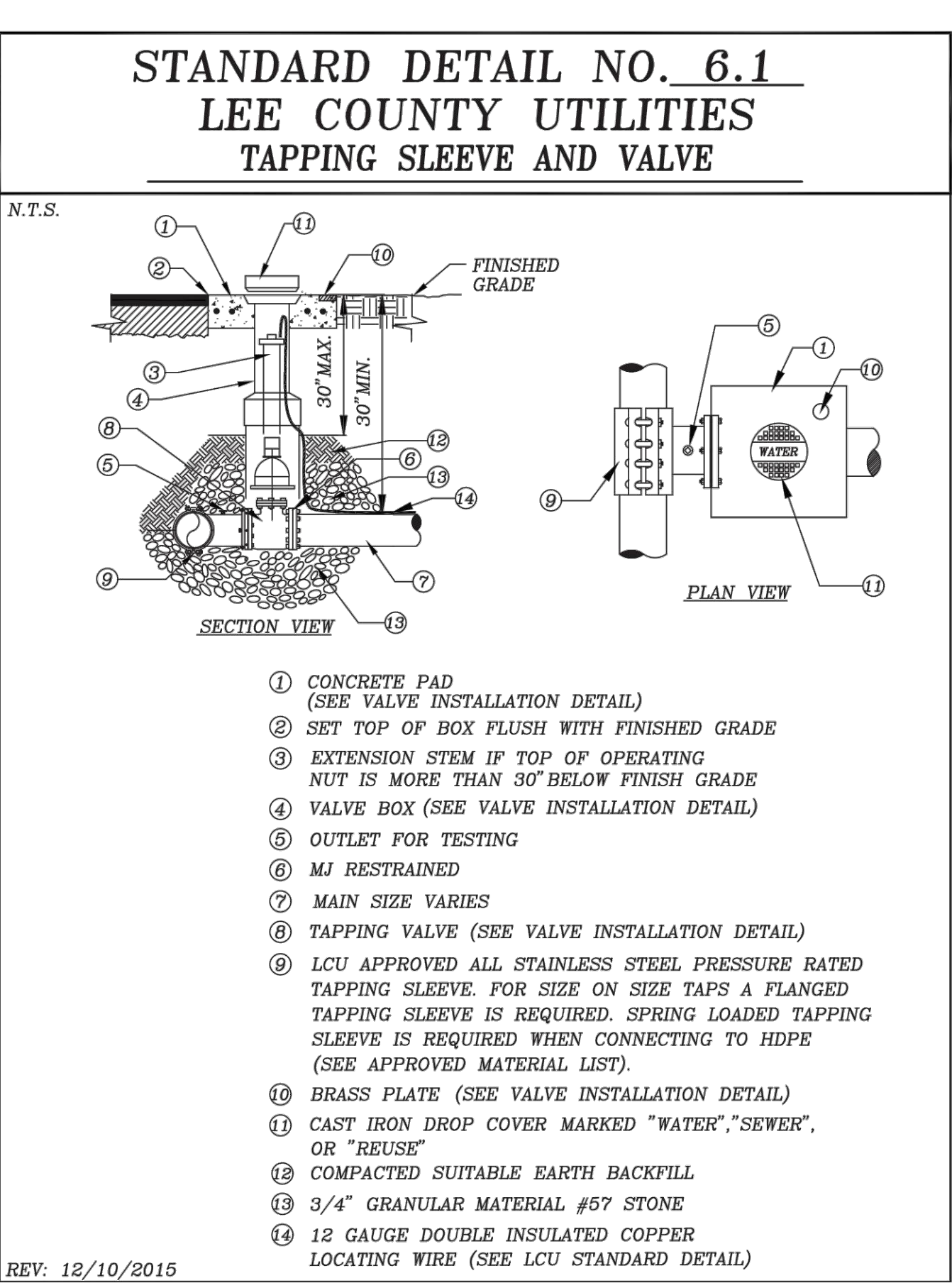


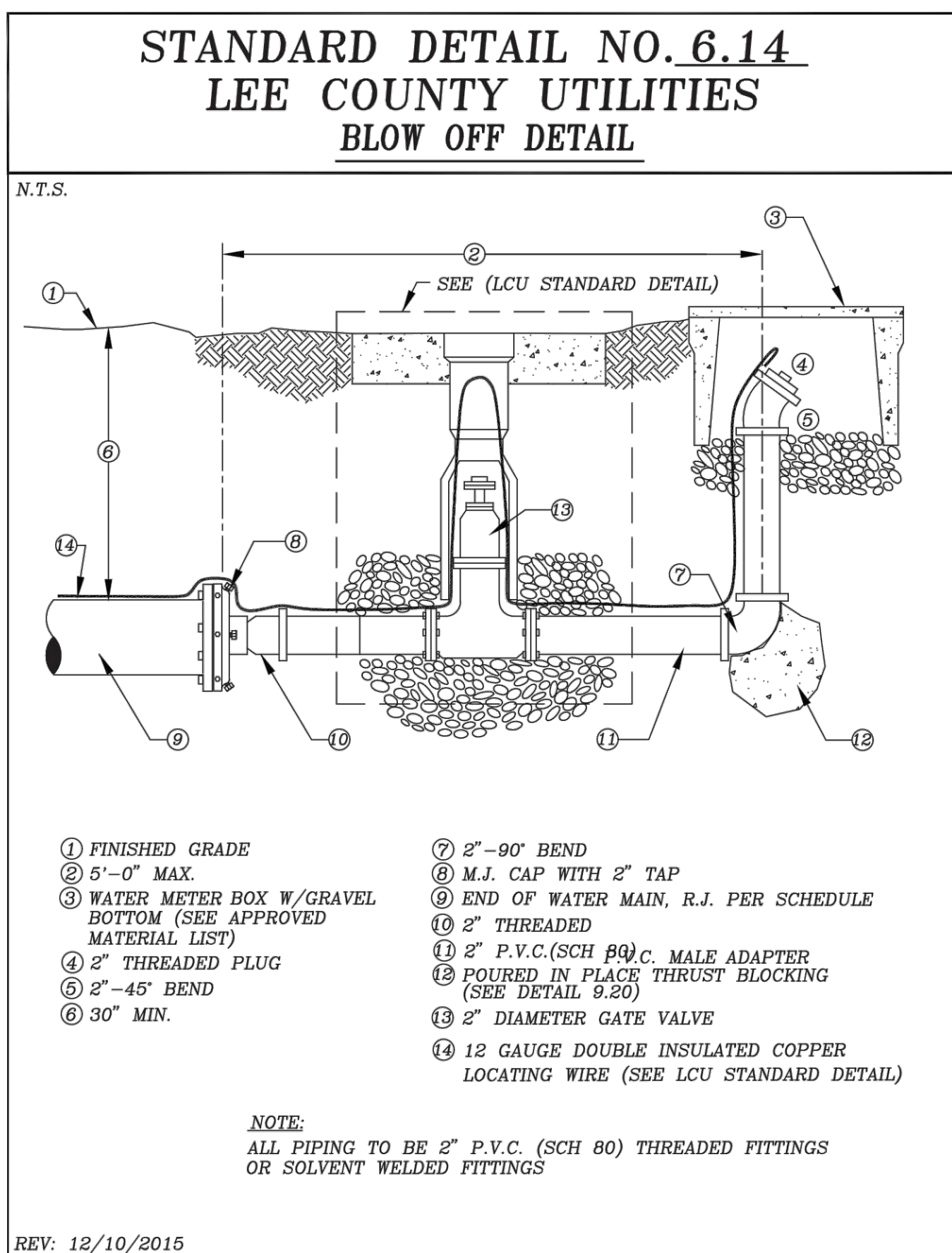
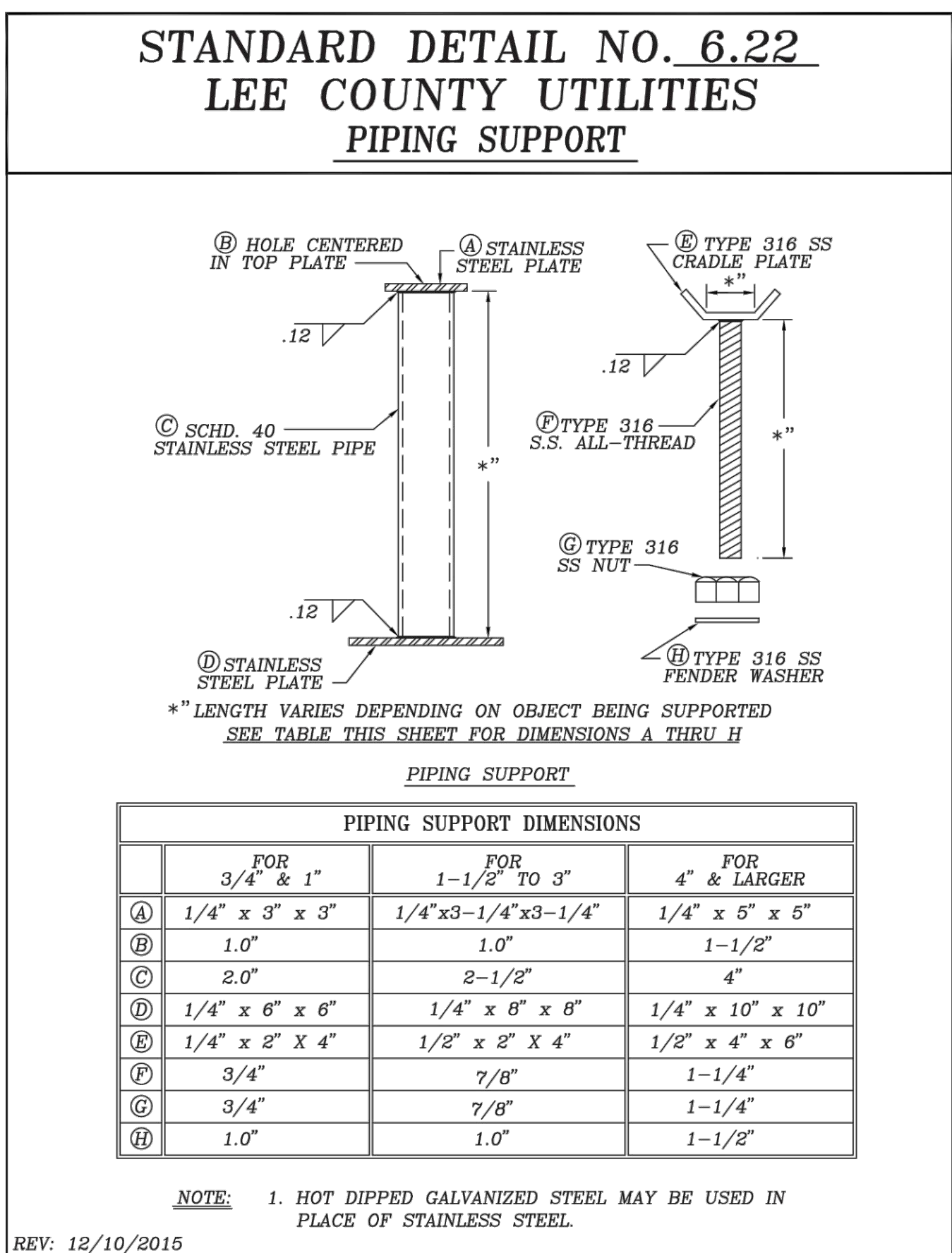
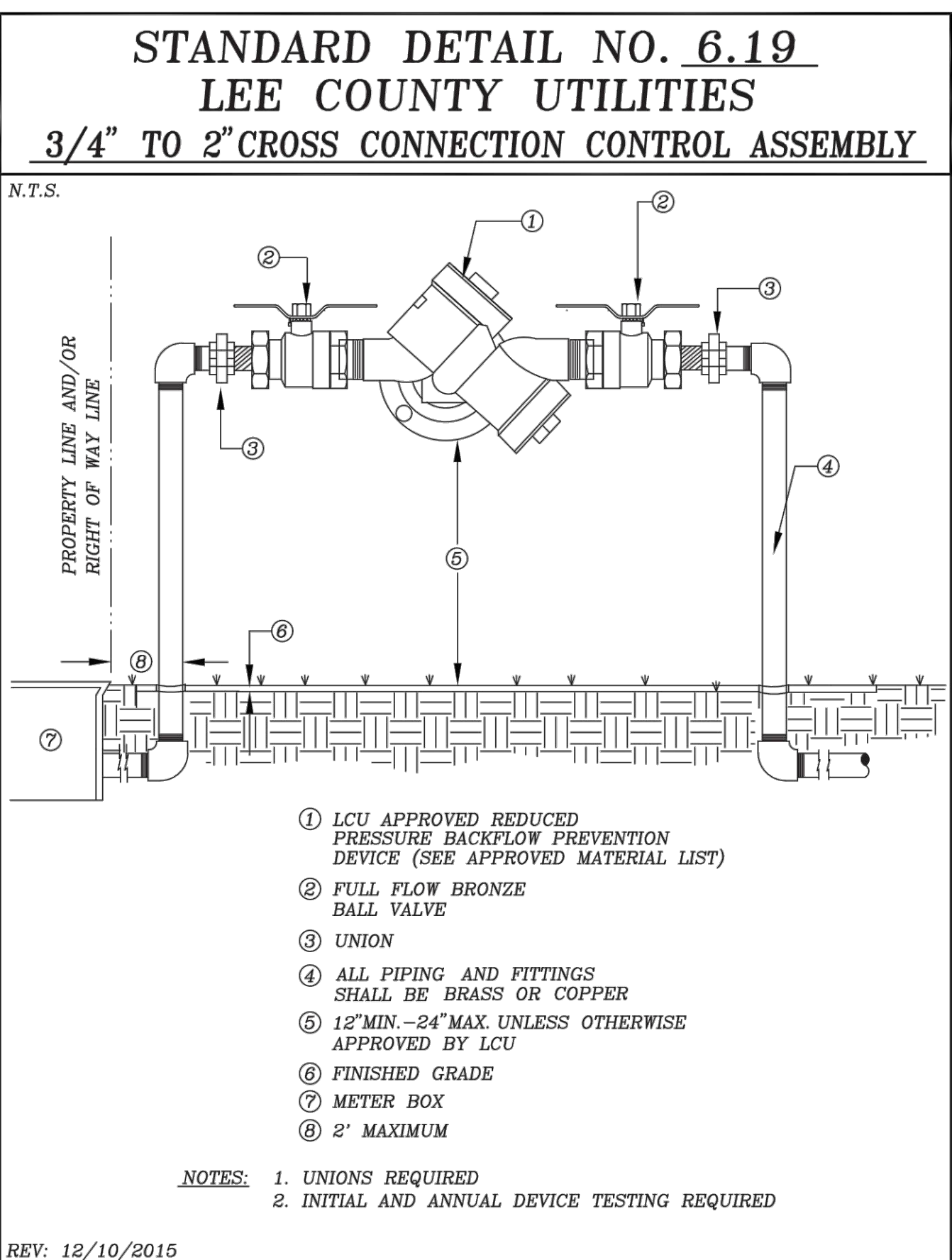
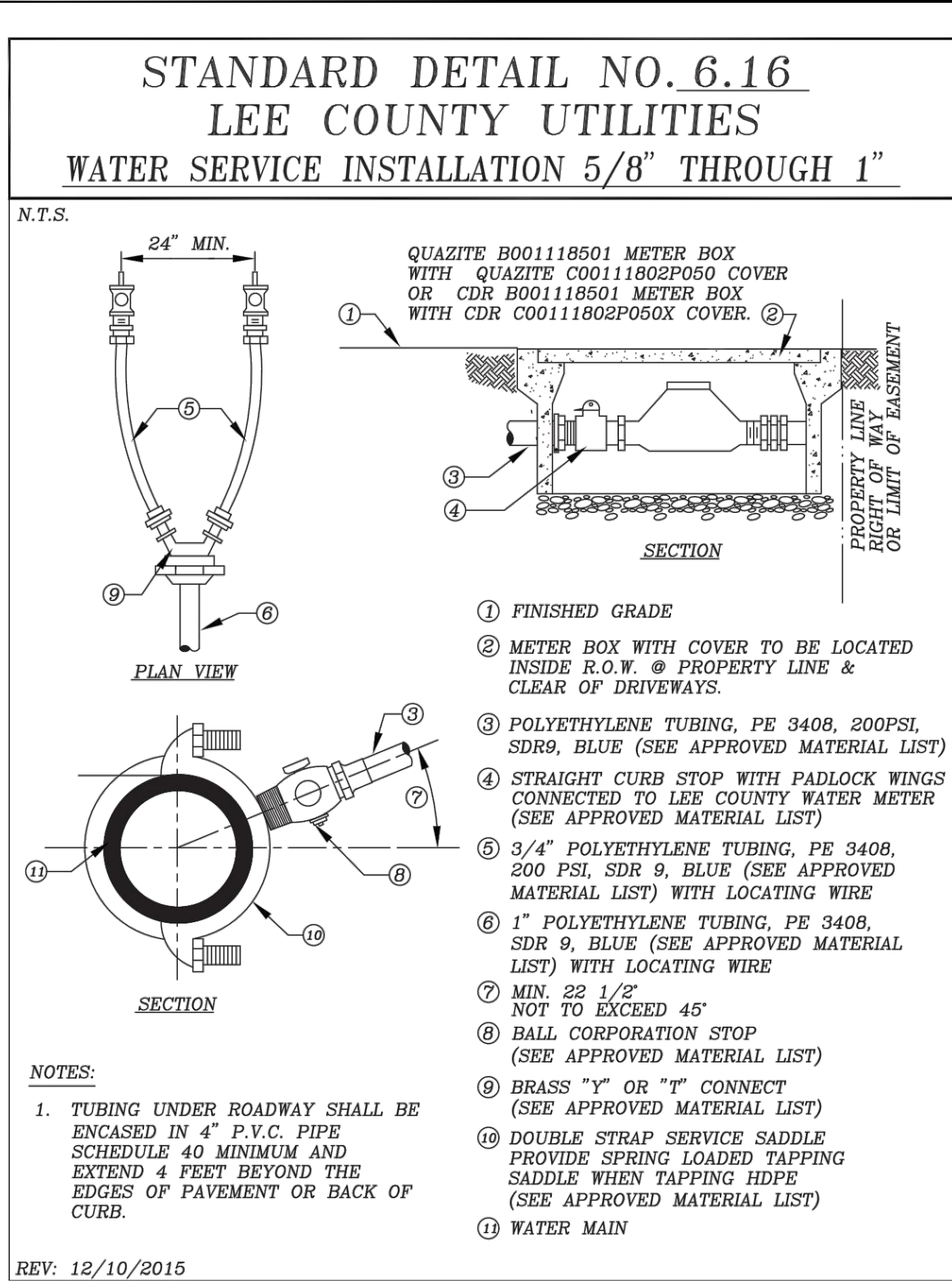
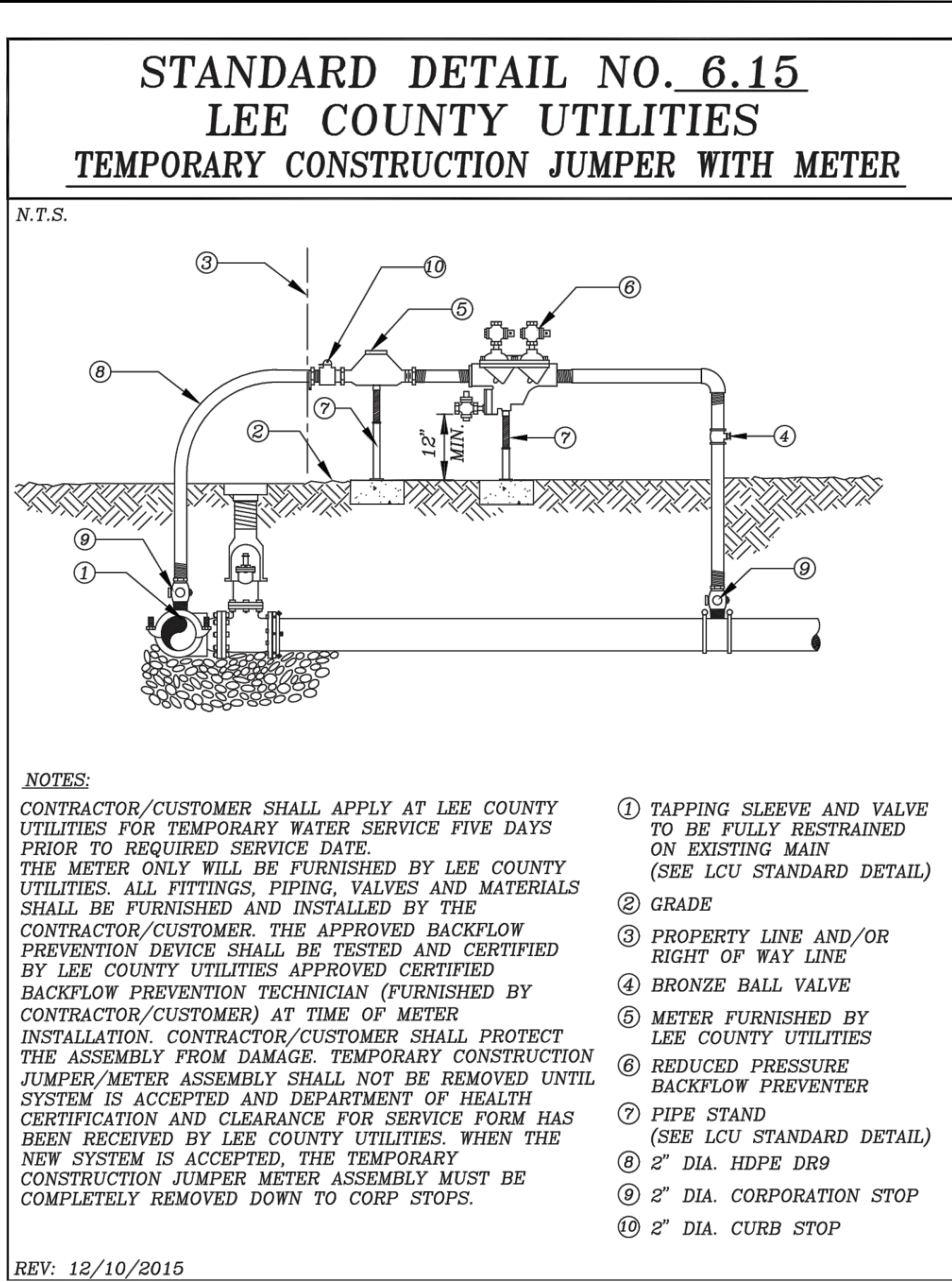
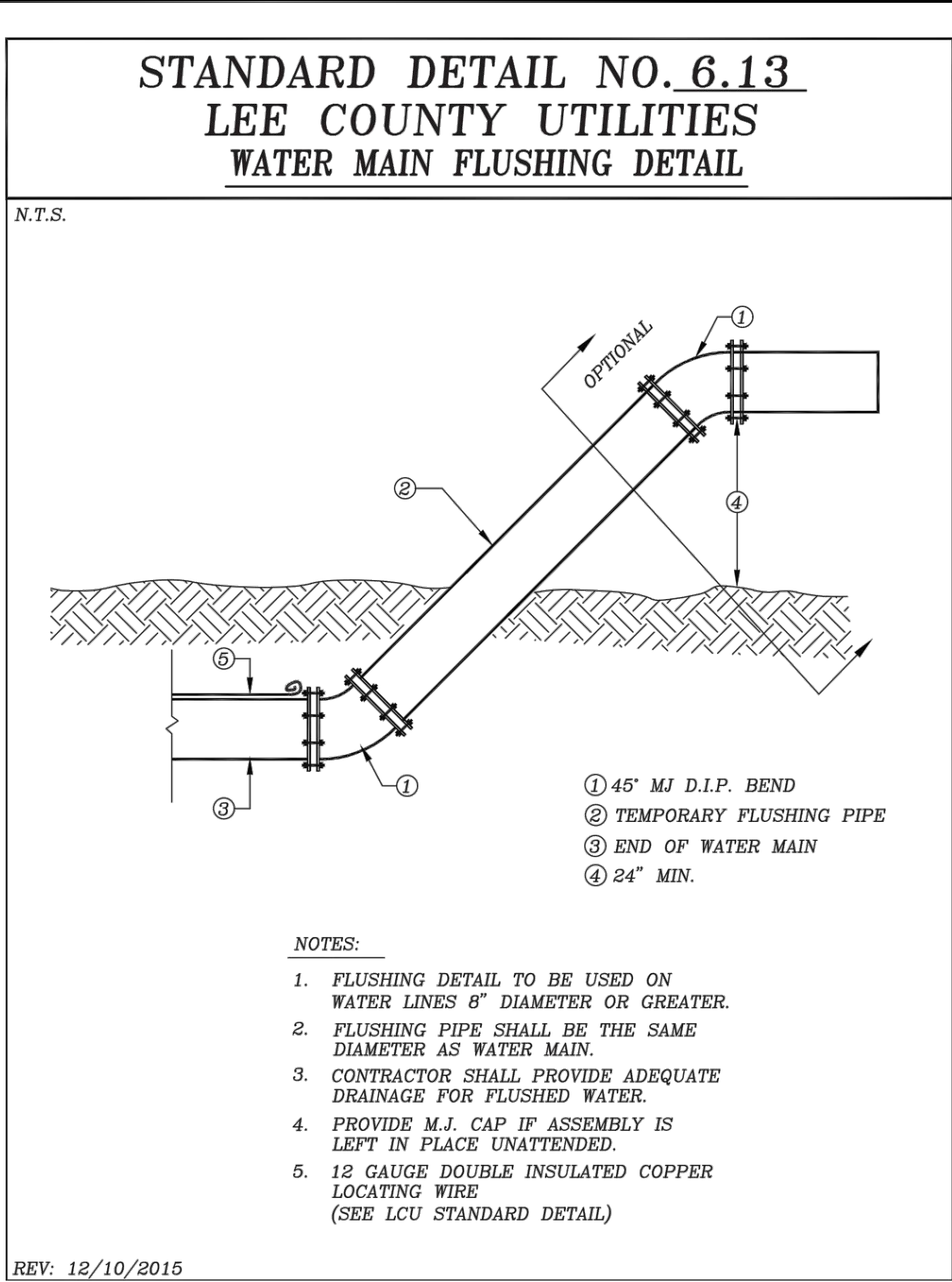
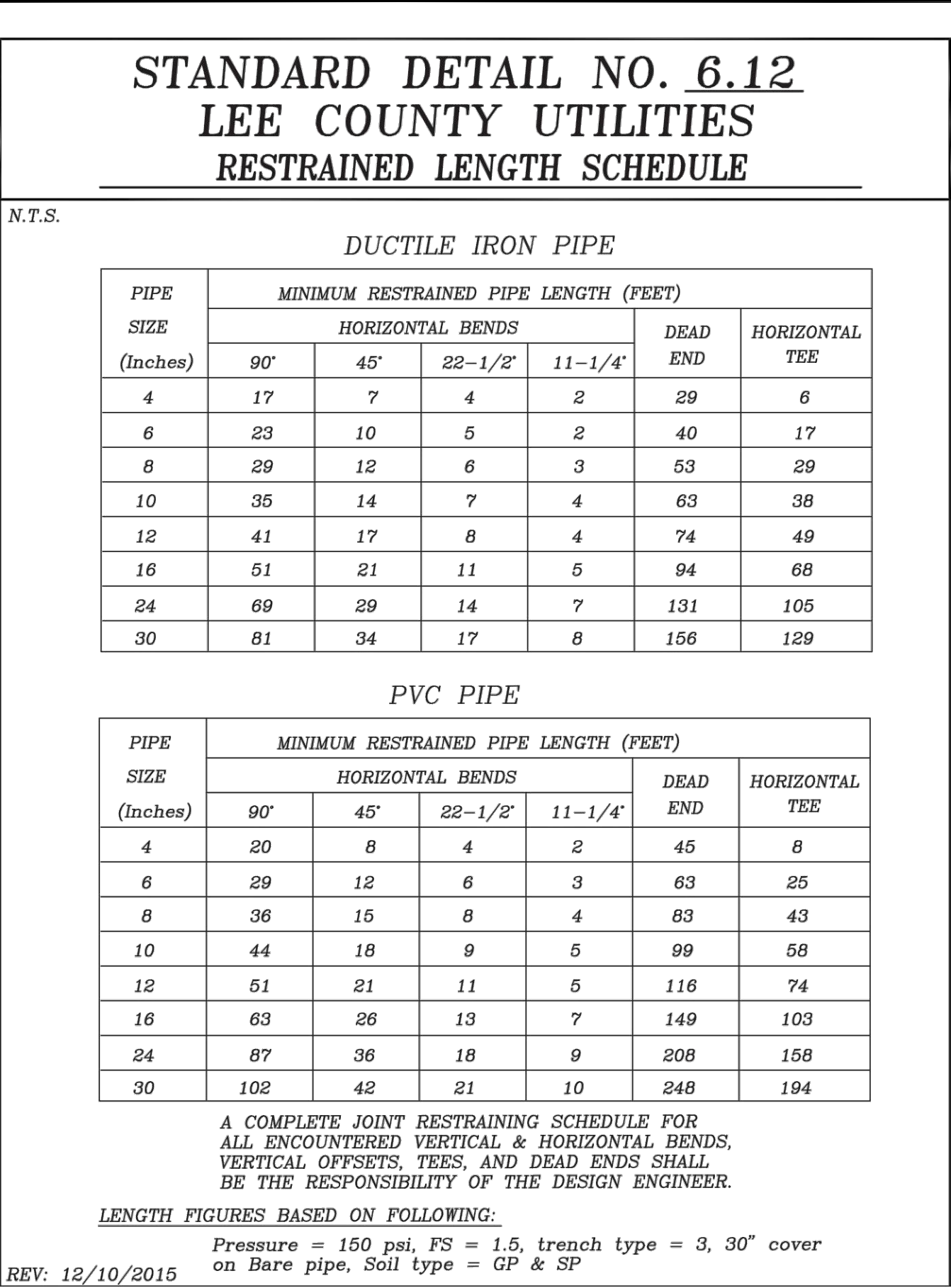
LCU EASEMENT

UTILITY		PLAN & PROFILE		SHEET 10 OF 16	
KELLY ROAD 76 UNIT MULTI-FAMILY		MUL TI-FAMILY ROAD		11901 KELLY ROAD FORT MYERS, FL 33908	
DATE	BY	REVISION DESCRIPTION	DEVELOPER:	MAASTRICHT ENGINEERING	
06-09-21	ACS	LEE COUNTY 1ST INSUFFICIENCY LETTER AUGUST	PA REAL ESTATE	7375 COLLEGE PARKWAY, SUITE 211 • FORT MYERS, FL 33907 • (239) 932-1005 • P. 0112 • F. 0112	
11-30-21	ACS	SWARD 1ST RAI NOVEMBER	INTERNATIONAL	ENGINEER: PETER M. MAASTRICHT, P.E.	
02-14-22	ACS	SWARD 2ND RAI FEBRUARY	2609 COLLINS AVE	FL LICENSE NUMBER: 58680	
06-09-21	ACS	LEE COUNTY 2ND INSUFFICIENCY LETTER DECEMBER	MIAMI BEACH FL 33140		

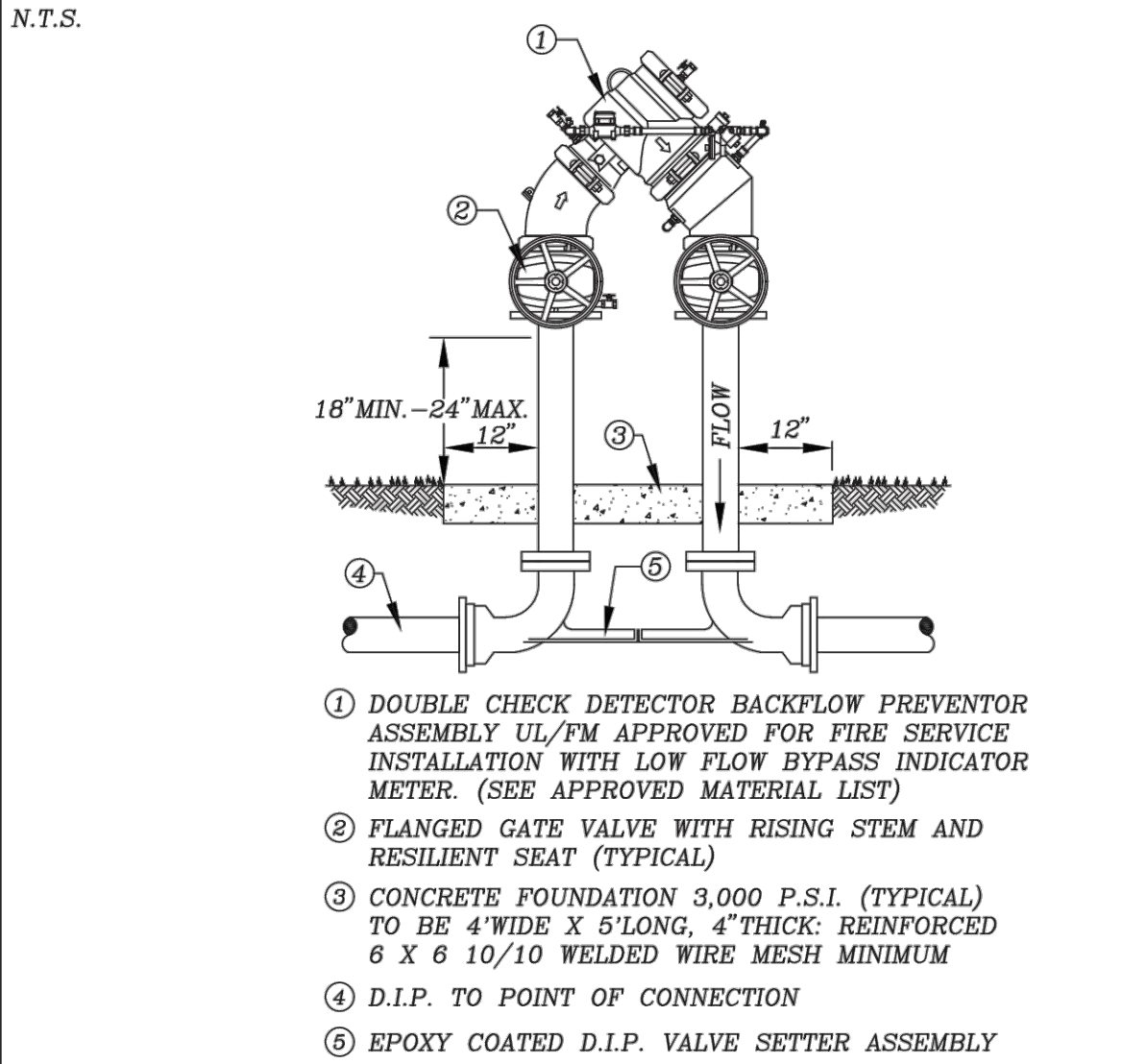








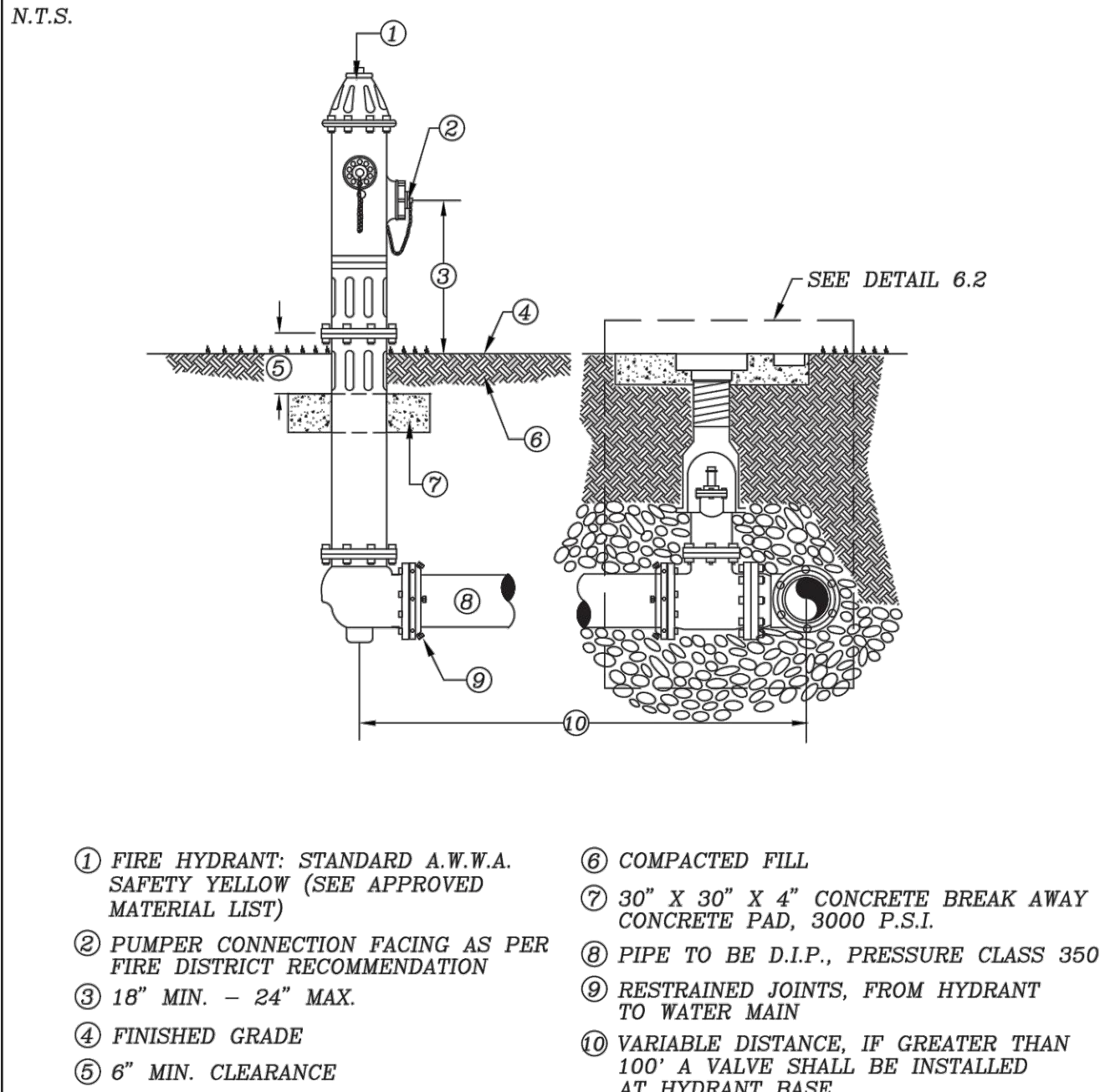
STANDARD DETAIL NO. 6.23
LEE COUNTY UTILITIES
COMPACT CROSS CONNECTION CONTROL ASSEMBLY



- NOTES:
- ALL PAINTING TO BE IN ACCORDANCE WITH LCU STANDARDS.
 - A REDUCED PRESSURE DETECTOR BACKFLOW ASSEMBLY SHALL BE USED WHEN HIGH HAZARDS, AS DEFINED BY AWWA M-14 (e.g. RISK OF CHEMICAL ADDITION, MEDICAL FACILITIES, INDUSTRIAL FACILITIES, PROPERTIES USING RECLAIMED WATER, ETC.) EXIST.
 - ALL ABOVE GROUND PIPE WILL HAVE FLANGED END DUCTILE IRON PIPE, PRESSURE CLASS 350. ALL NUTS AND BOLTS SHALL BE STAINLESS STEEL.
 - ALL PLANTING SHALL BE A MINIMUM OF 1.5' FROM THE EDGE OF SLAB, AND SHALL PROVIDE A 3' ACCESS OPENING.

REV: 12/10/2015

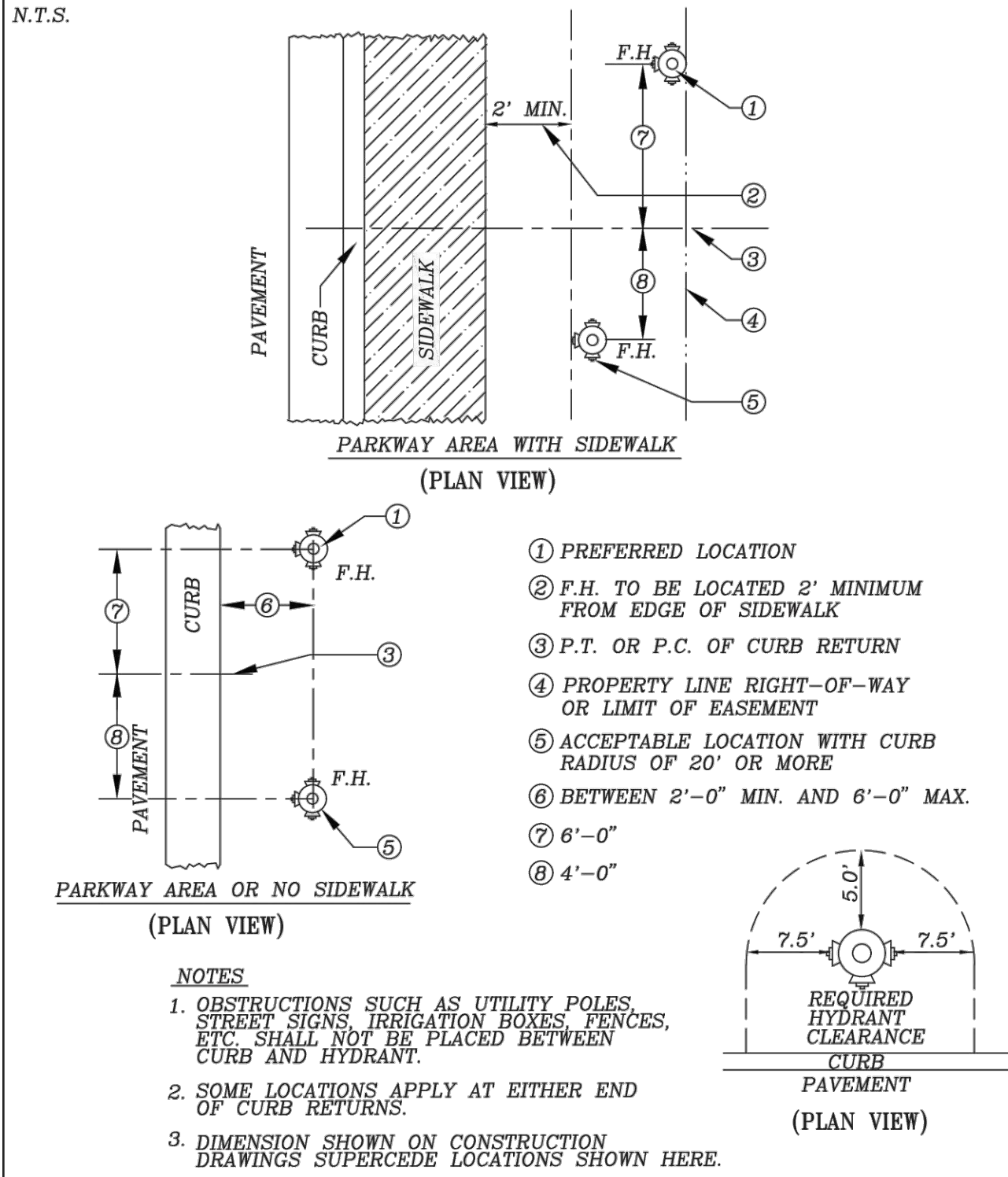
STANDARD DETAIL NO. 6.24
LEE COUNTY UTILITIES
FIRE HYDRANT ASSEMBLY



- FIRE HYDRANT: STANDARD A.W.W.A. SAFETY YELLOW (SEE APPROVED MATERIAL LIST)
- PUMPER CONNECTION FACING AS PER FIRE DISTRICT RECOMMENDATION
- 18" MIN. - 24" MAX.
- FINISHED GRADE
- 6" MIN. CLEARANCE
- COMPACTED FILL
- 30" X 30" X 4" CONCRETE BREAK AWAY CONCRETE PAD, 3000 P.S.I.
- PIPE TO BE D.I.P., PRESSURE CLASS 350
- RESTRAINED JOINTS, FROM HYDRANT TO WATER MAIN
- VARIABLE DISTANCE, IF GREATER THAN 100' A VALVE SHALL BE INSTALLED AT HYDRANT BASE

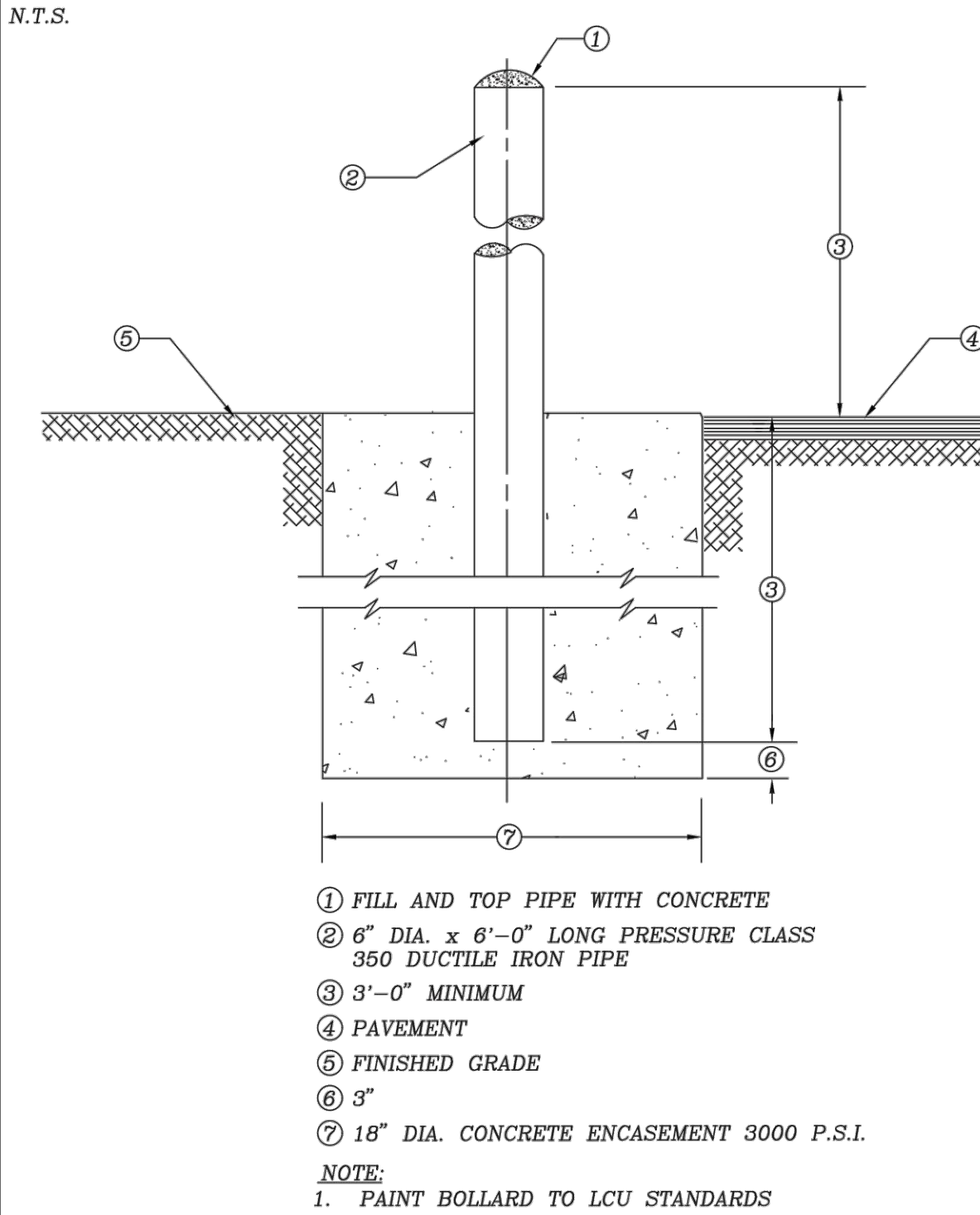
REV: 12/10/2015

STANDARD DETAIL NO. 6.25
LEE COUNTY UTILITIES
FIRE HYDRANT LOCATIONS/CLEARANCE

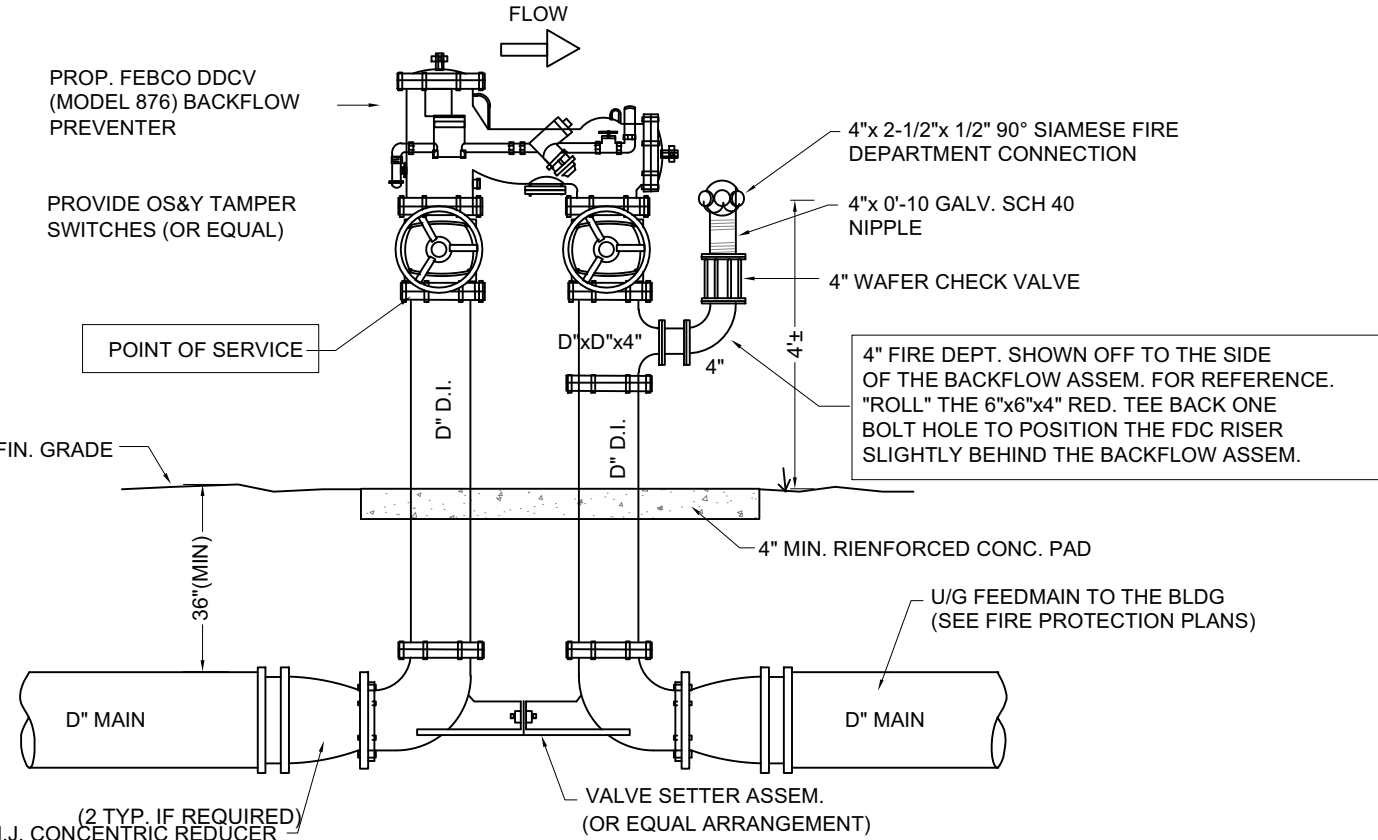


REV: 12/10/2015

STANDARD DETAIL NO. 6.44
LEE COUNTY UTILITIES
BOLLARD POST DETAIL



REV: 12/10/2015



- FIRE SERVICE NOTES:
- SHALL BE INSTALLED BY A LICENSED FIRE SPRINKLER CONTRACTOR AND SHALL BE INSPECTED AND VERIFIED BY THE LOCAL FIRE DEPARTMENT AS REQUIRED.
 - CONNECTIONS TO EXISTING MAINS SHALL BE INSTALLED BY THE CITY OF CAPE CORAL UTILITIES AT THE CONTRACTORS EXPENSE. A LETTER OF REQUEST FROM THE CONTRACTOR SHALL BE REQUIRED FOR TAPS.
 - ALL PIPING SHALL BE PVC (C900-CL 150 DR 18.) OR DIP (DUCTILE IRON PIPE) CL 350 UNLESS OTHERWISE NOTED WIRESTRAP JOINTS (NO THRUST BLOCK PERMITTED). REFER TO PLANS FOR PIPE SIZING.
 - SIAMESE FIRE DEPARTMENT CONNECTION IS NOT REQUIRED IF A SEPARATE FIRE DEPARTMENT CONNECTION IS PROVIDED-SEE FIRE PROTECTION PLANS (BY OTHERS).

COMPACT FIRE SERVICE CONNECTION DETAIL

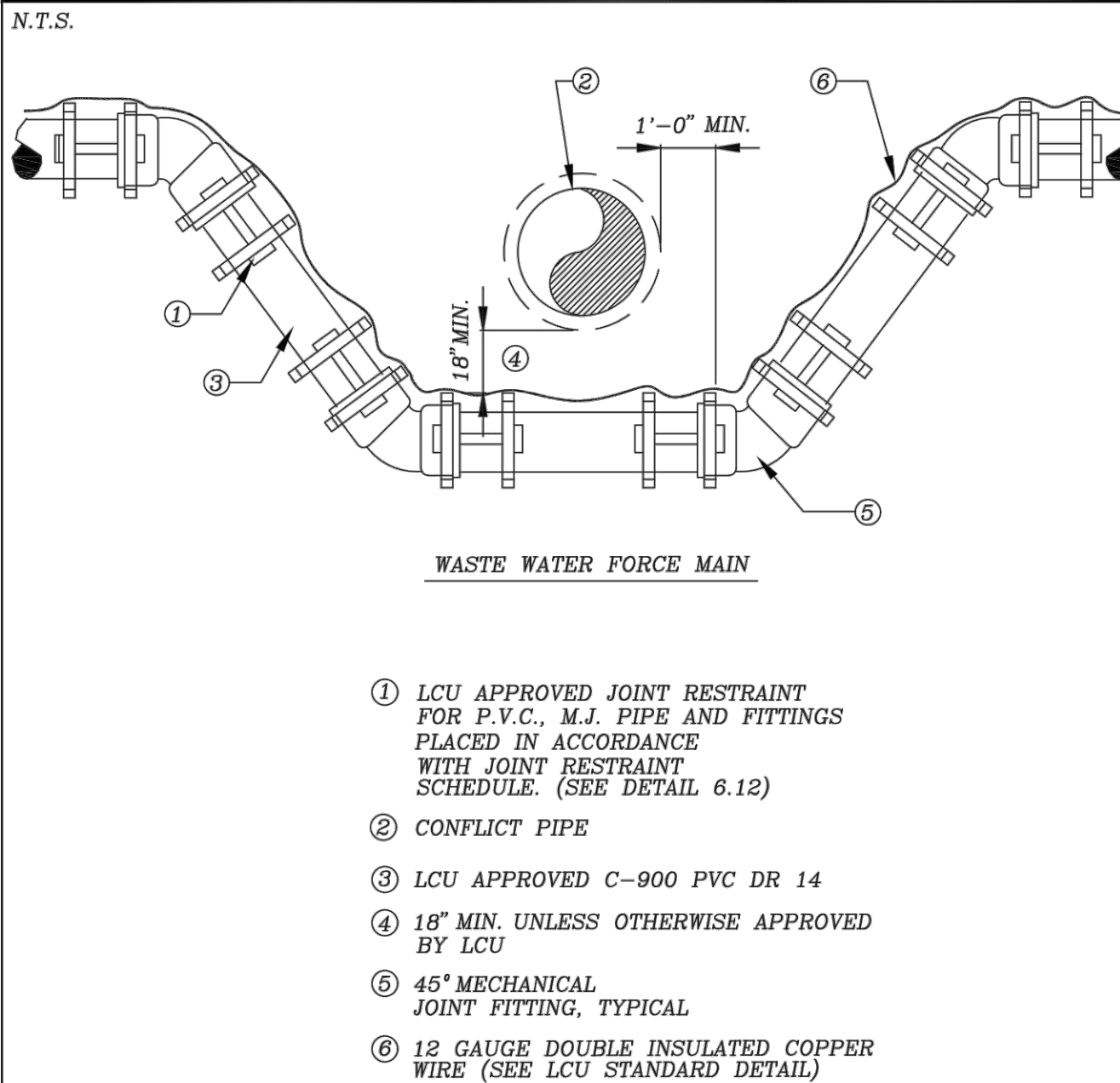
W-CFDC.dwg (2/20)

N.T.S.

FIRE MAIN/SERVICE NOTES:

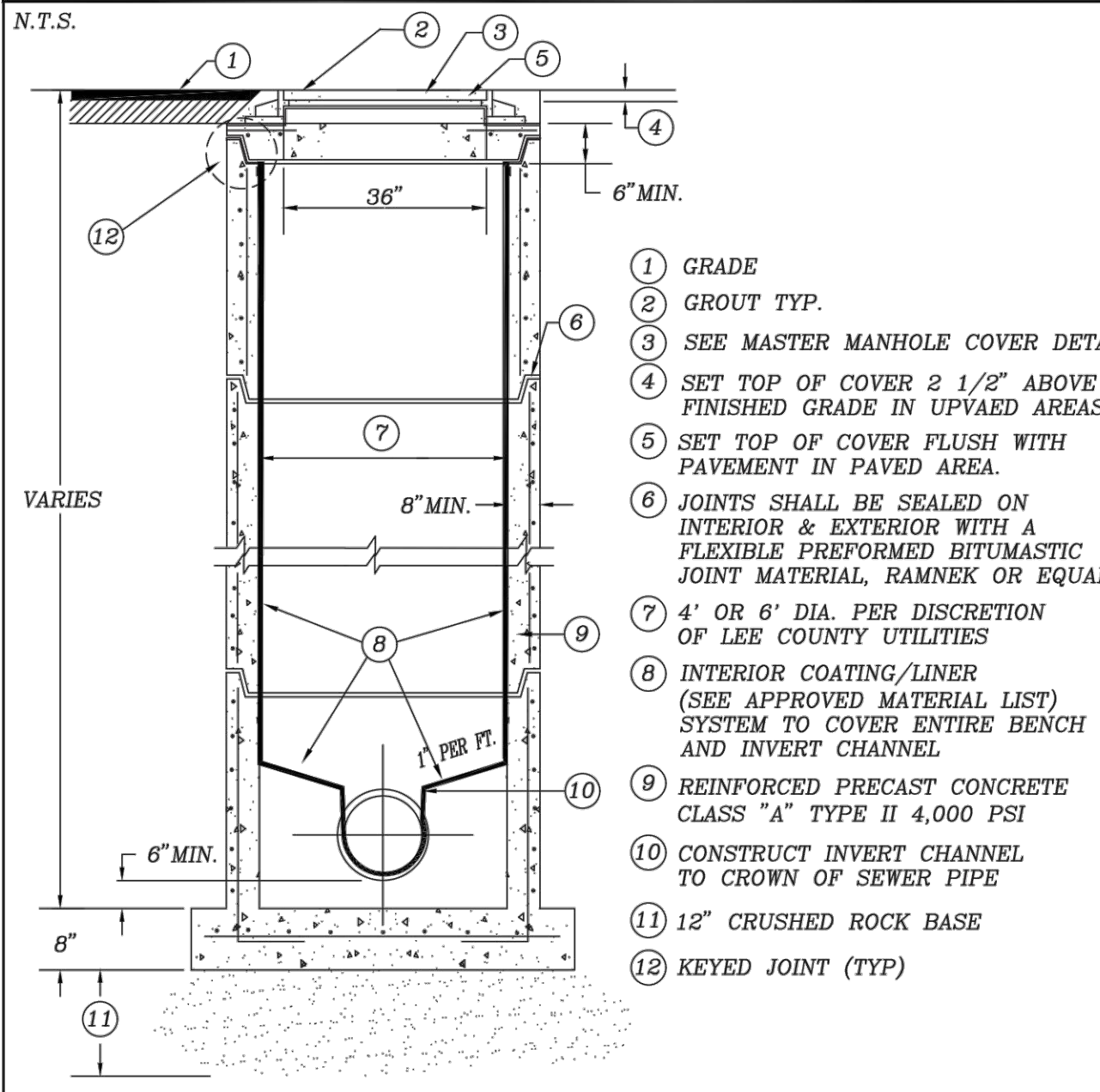
** FIRE SERVICE LAYOUT AND DETAILS SHOWN FOR INFORMATIONAL PURPOSES ONLY. ALL FIRE SERVICE MAINS AND SERVICES TO BUILDINGS INCLUDING SIZE, CONNECTIONS, DETAILS AND SPECIFICATIONS SHALL BE DESIGNED BY A FIRE PROTECTION ENGINEER AND INSTALLED BY A LICENSED FIRE SPRINKLER CONTRACTOR AND SHALL BE INSPECTED AND VERIFIED BY THE LOCAL FIRE DEPARTMENT AS REQUIRED.

STANDARD DETAIL NO. 6.11
LEE COUNTY UTILITIES
WASTE WATER FORCE MAIN VERTICAL OFFSET WITH FITTINGS, (P.V.C.)



REV: 12/10/2015

STANDARD DETAIL NO. 6.28
LEE COUNTY UTILITIES
MASTER PRECAST CONCRETE MANHOLE



NOTES:

- MASTER MANHOLES FOR WASTEWATER PUMPING STATIONS SHALL HAVE ONLY ONE INFLUENT AND ONE EFFLUENT PIPE, UNLESS OTHERWISE APPROVED BY LEE COUNTY UTILITIES.
- FLEXIBLE, RESILIENT CONNECTIONS SHALL BE INSTALLED FOR ALL CONNECTIONS BETWEEN MANHOLE AND PIPES.

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