

SITE CONSTRUCTION PLANS FOR WMG RETAIL CENTER CITY OF WINTER GARDEN, FLORIDA

LEGAL DESCRIPTION

A PORTION OF THE WEST ONE-HALF (W 1/2) OF THE NORTHWEST ONE-QUARTER (NW 1/4) OF SECTION 4, TOWNSHIP 23 SOUTH, RANGE 27 EAST, ORANGE COUNTY, FLORIDA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCE AT THE NORTHWEST CORNER OF SECTION 4, TOWNSHIP 23 SOUTH, RANGE 27 EAST; THENCE NORTH 89 DEGREES 53 MINUTES 58 SECONDS EAST ALONG THE NORTH LINE OF THE NORTHWEST ONE-QUARTER (NW 1/4) OF SAID SECTION 4, A DISTANCE OF 1,300.14 FEET; THENCE SOUTH 00 DEGREES 27 MINUTES 00 SECONDS EAST ALONG THE WESTERLY RIGHT-OF-WAY OF AVALON ROAD (COUNTY ROAD 545), 983.59 FEET TO THE POINT OF BEGINNING; THENCE CONTINUE SOUTH 00 DEGREES 27 MINUTES 00 SECONDS EAST ALONG SAID RIGHT-OF-WAY LINE, 347.94 FEET; THENCE NORTH 88 DEGREES 03 MINUTES 19 SECONDS WEST ALONG THE NORTHERLY RIGHT-OF-WAY OF MARSH ROAD, 750.56 FEET; THENCE NORTH 00 DEGREES 31 MINUTES 24 SECONDS WEST, 315.95 FEET; THENCE NORTH 89 DEGREES 30 MINUTES 06 SECONDS EAST, 750.31 FEET TO THE POINT OF BEGINNING.

LESS AND EXCEPT THAT PORTION OF THE ABOVE DESCRIBED PROPERTY CONVEYED TO THE CITY OF WINTER GARDEN BY WARRANTY DEEDS DATED JULY 26, 2006, AND RECORDED AT OFFICIAL RECORDS BOOK 8814, PAGE 4067 AND OFFICIAL RECORDS BOOK 8814, PAGE 4075, PUBLIC RECORDS OF ORANGE COUNTY, FLORIDA.

UTILITY PROVIDERS

FIBER:
ZAYO GROUP / FORMERLY LIGHTWAVE, LLC
130 N. MAIN ST. BUTTE, MT 59701
PHONE: 406-496-6510
CONTACT: HENRY KLOBUCAR

GAS:
LAKE APOPKA NATURAL GAS
1320 WINTER GARDEN-VILELAND RD.
WINTER GARDEN, FL. 34787
PHONE: 407-410-7024

CABLE TV:
SPECTRUM
3767 ALL AMERICAN BLVD.
ORLANDO, FL. 32810
PHONE: 407-532-8511
CONTACT: TRACEY DOMOSTOY

COMMUNICATION:
CENTURY LINK / LUMEN
33 N. MAIN ST.
WINTER GARDEN, FL. 34787
PHONE: 407-814-5373
CONTACT: EVNS CENAFILS

PROJECT TEAM

OWNER:
CTJ GROVES LLP
1317 EDGEWATER DRIVE, STE 623
ORLANDO, FL 32804
PHONE: 386-450-1059
CONTACT: KATHRYN SMITH

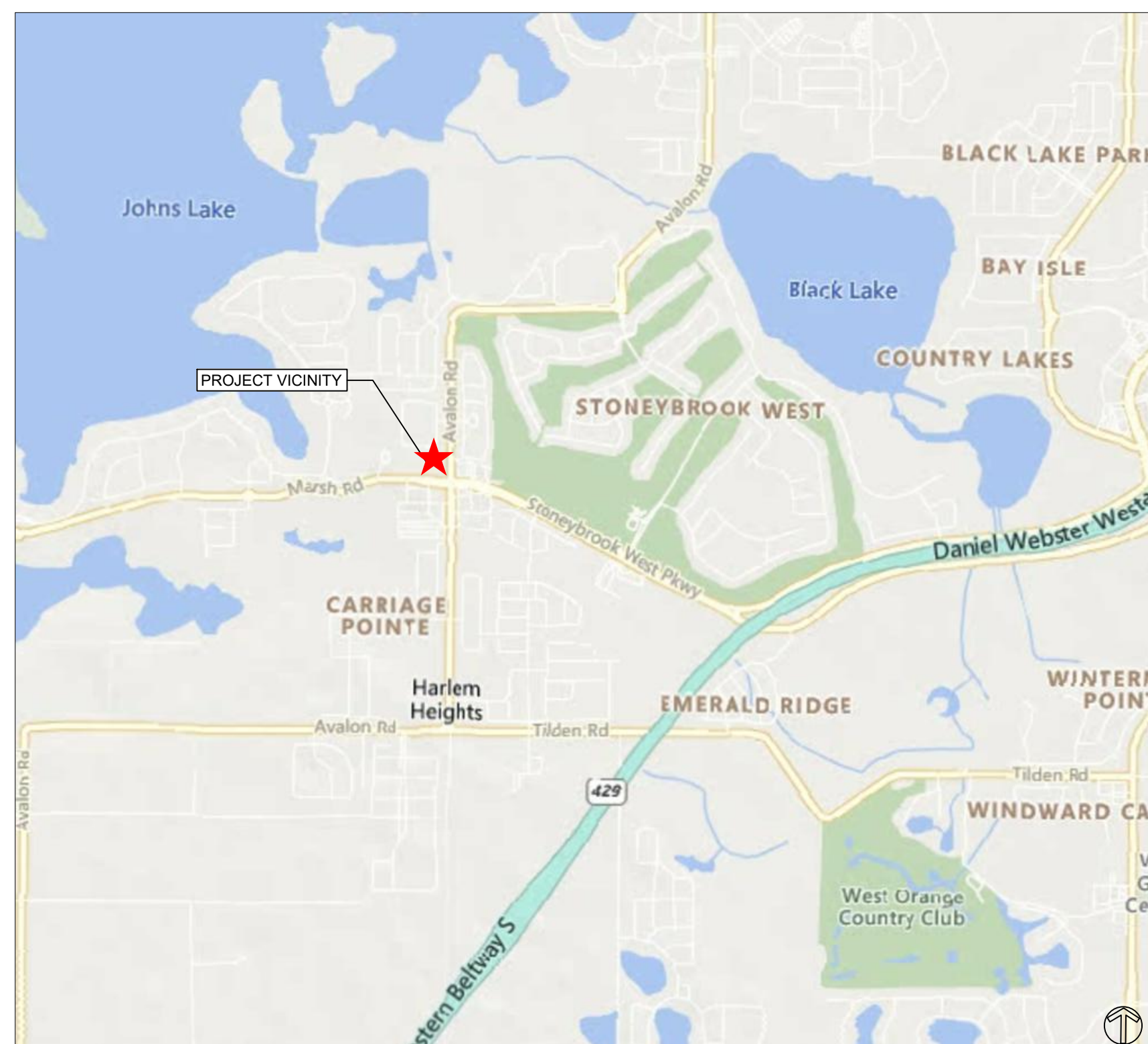
DEVELOPER:
WMG DEVELOPMENT, LLC
270 W PLANT ST
WINTER GARDEN, FL 34787
PHONE: 407-716-6607
CONTACT: LEAH FITZPATRICK

CIVIL ENGINEER:
KPM FRANKLIN, INC.
6300 HAZELTINE NATIONAL DR, STE. 118
ORLANDO, FL 32822
PHONE: 407-410-8624
CONTACT: DUSTIN BRINKMAN, P.E.

ARCHITECT:
FISHER AND ASSOCIATES, LLC
2315 BELLEAIR RD
CLEARWATER, FL 33764
PHONE: 727-443-4436
CONTACT: BRYAN FISHER

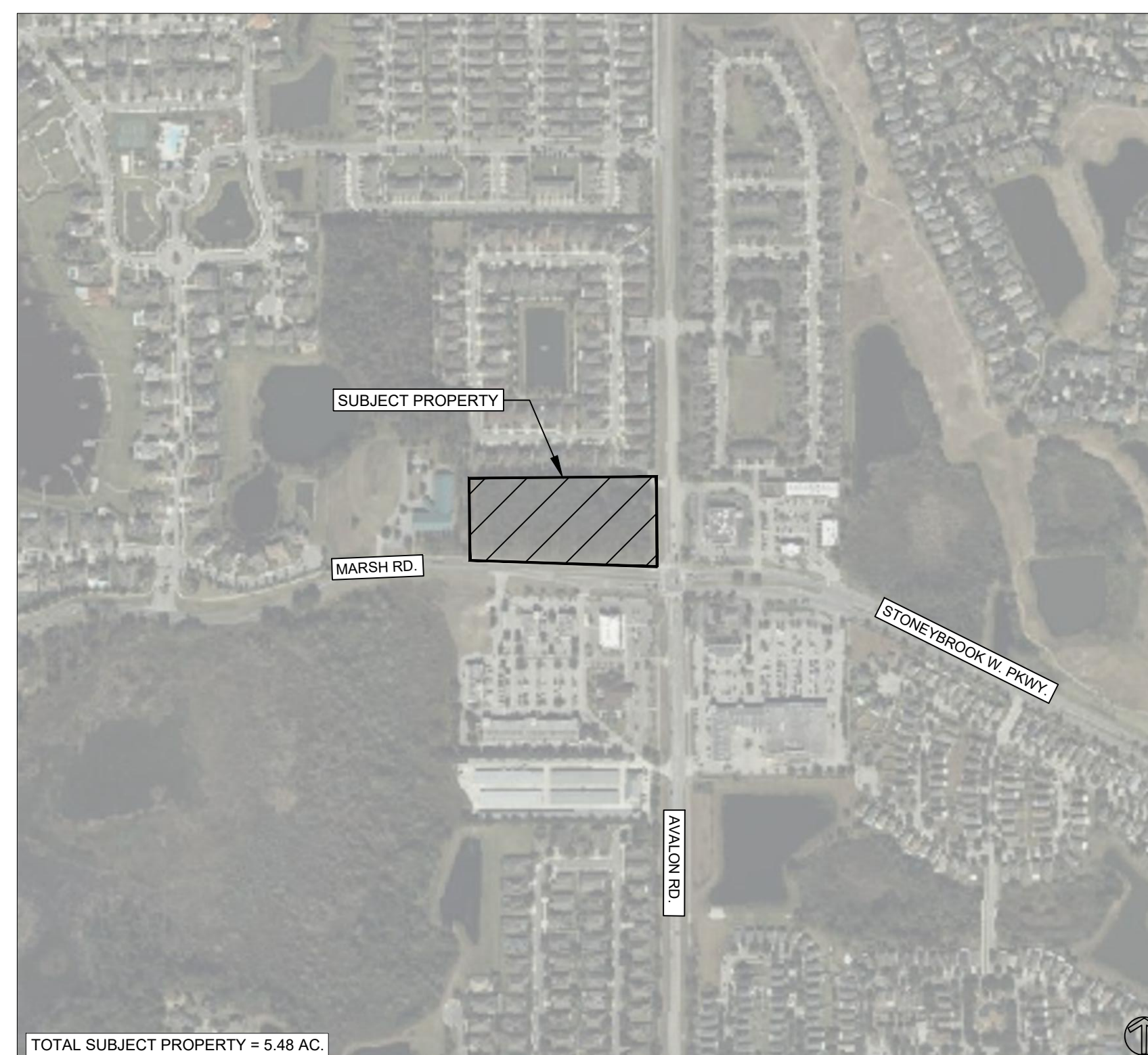
SURVEYOR:
SHANNON SURVEYING, INC.
499 NORTH S.R. 434 - STE 2045
ALTAMONTE SPRINGS, FL 32714
PHONE: 407-774-8372
CONTACT: JAMES R. SHANNON JR., P.L.S.

LANDSCAPE ARCHITECT:
KPM FRANKLIN, INC.
6300 HAZELTINE NATL DR., STE. 118
ORLANDO, FL 32822
PHONE: 407-410-8624
CONTACT: JAY BROWN, R.L.A.



LOCATION / VICINITY MAP

SCALE: 1" = 2000'



AERIAL MAP

SCALE: 1" = 500'

SHEET INDEX

SHEET	TITLE	REV	DATE
C0.0	COVER SHEET		
V1.0 - V1.1	BOUNDARY & TOPOGRAPHIC SURVEY		
C0.1	GENERAL NOTES		
C0.2	DEMOLITION & EROSION CONTROL PLAN		
C1.0	OVERALL SITE PLAN		
C1.1	SITE & GEOMETRY PLAN	1	06/16/23
C1.2	PRELIMINARY PLAT & EASEMENT PLAN		
C2.0	GRADING & DRAINAGE PLAN		
C2.1	GRADING CROSS SECTIONS		
C2.2	CONTROL STRUCTURE DETAIL		
C3.0	UTILITY PLAN	2	07/28/23
C4.0	GENERAL DETAILS		
C4.1	GENERAL DETAILS		
C4.2	VEHICULAR MANEUVERABILITY PLAN		
C5.0	CITY DETAILS		
C5.1	CITY DETAILS		
C5.2	CITY DETAILS		
C5.3	CITY DETAILS		
C5.4	CITY DETAILS		
C5.5	CITY DETAILS		
C5.6	CITY DETAILS		
L1.0	LANDSCAPE PLAN	2	07/28/23
L2.0	LANDSCAPE SPECIFICATIONS & DETAILS	2	07/28/23
I1.0	IRRIGATION PLANS	2	07/28/23
I2.0	IRRIGATION SCHEDULES & NOTES	2	07/28/23
I2.1	IRRIGATION NOTES & DETAILS	2	07/28/23
I2.2	IRRIGATION DETAILS	2	07/28/23

PLANS BY OTHERS

SHEET	TITLE	REV	DATE
E1.0	SITE PHOTOMETRIC PLAN		
E2.0	SITE LIGHTING SPECIFICATIONS		
A1.0	DENTAL OFFICE BUILDING ELEVATIONS		
A1.1	DENTAL OFFICE BUILDING ELEVATIONS		
A1.2	RETAIL OUTBUILDING ELEVATIONS		

REVISION NO.	DATE	DESCRIPTION
8		
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6		
5		
4	07/28/23	FINAL SITE PLAN SUBMITTAL 3
3	06/16/23	FINAL SITE PLAN SUBMITTAL 2
2	05/05/23	FINAL SITE PLAN SUBMITTAL 1
1		

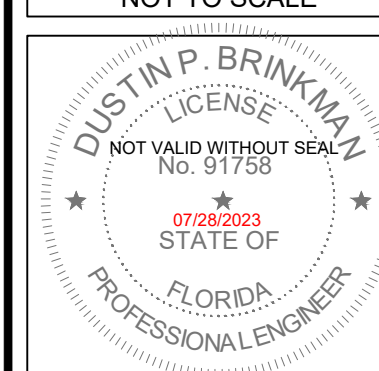
STATUS: 100% BID & CONSTRUCT

REVISION NO.	DATE	DESCRIPTION
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COVER SHEET

WMG RETAIL CENTER

CAUTION
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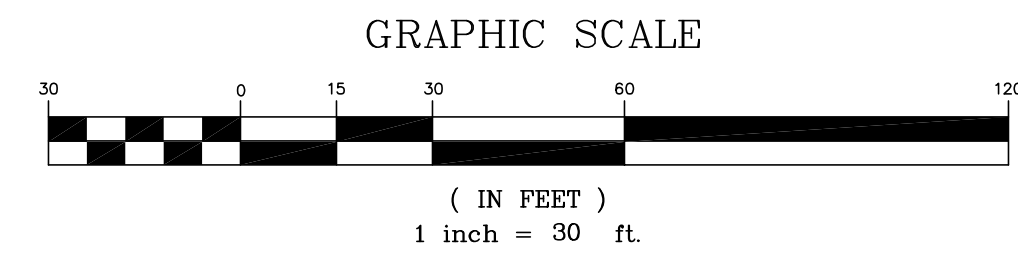
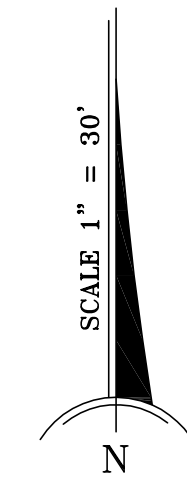
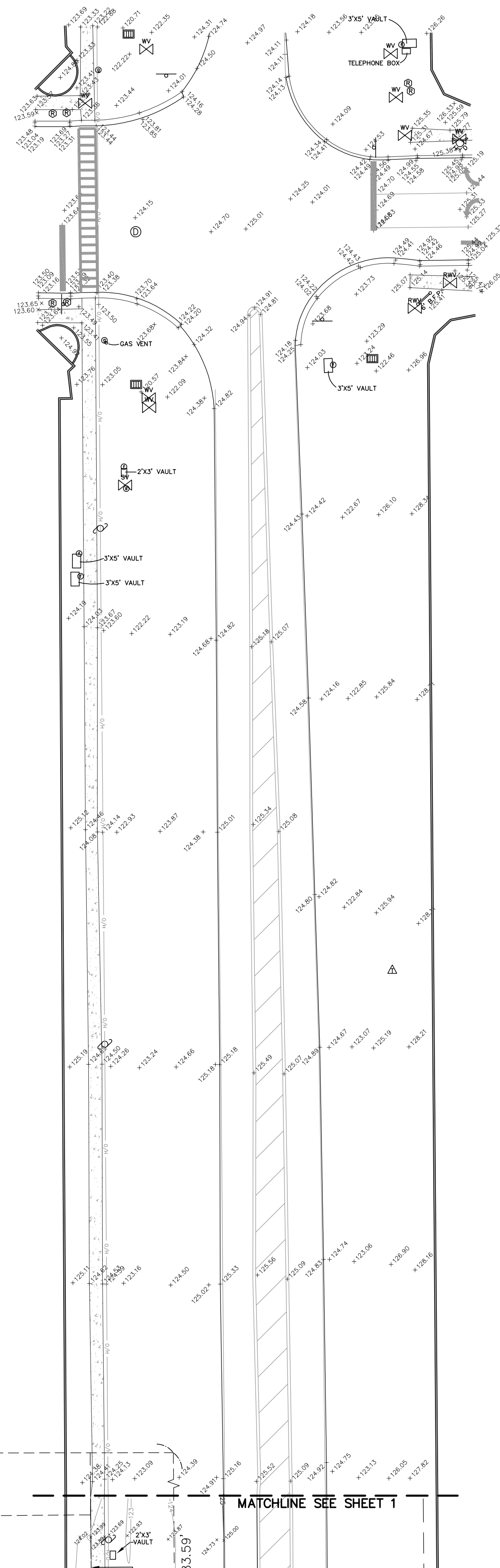
JOB NO.	22-0334.000
DESIGN	D.B.
DRAWN	J.G.
APPROVED	D.B.
SHEET NO.	C0.0

PREPARED FOR:



PREPARED BY:





NE OF THE NORTHWEST 1/4 OF SECTION 4-23-27 1300.14'

BUILDINGS IN AVALON RESERVE - VILLAGE 1 NOT LOCATED

MATCHLINE SEE SHEET 1



JAMES R. SHANNON, JR., P.E. #4671
 NOT VALID WITHOUT THE SIGNATURE AND THE SEAL OF A
 FLORIDA LICENSED SURVEYOR AND MAPPER

SHEET 2 OF 2 NOT A VALID SURVEY WITHOUT BOTH SHEETS
 REVISED: 11/15/2022 ADD. R.O.W.

SHANNON SURVEYING, INC.
 499 NORTH S.R. 434 - SUITE 2045
 ALTAMONTE SPRINGS, FLORIDA, 32714
 (407) 774-8372 LB # 8898

DATE OF SURVEY: 03/10/2022
 FIELD BY: MB SCALE: 1" = 30'
 FILE NUMBER: 04-23-27 1504 AVALON 2022

GENERAL CONSTRUCTION NOTES:

- 1. ALL ELEVATIONS REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAV88) AS SHOWN ON EACH SHEET.
2. 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. THE CONTRACTOR SHALL VERIFY THE LOCATIONS, ELEVATIONS AND DIMENSIONS OF ALL EXISTING UTILITIES, STRUCTURES AND OTHER FEATURES AFFECTING THIS WORK PRIOR TO CONSTRUCTION.
3. THE CONTRACTOR SHALL CHECK THE PLANS FOR CONFLICTS AND DISCREPANCIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE OWNER'S ENGINEER OF ANY CONFLICTS OR DISCREPANCIES BEFORE PERFORMING ANY WORK IN THE AFFECTED AREA.
...
31. NO EXTRA PAYMENTS SHALL BE ALLOWED FOR ANY WORK REQUIRED DUE TO MISUNDERSTANDING OF JOB OR SITE CONDITIONS AFFECTING THE WORK AS DESCRIBED IN THE SPECIFICATIONS OR SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL NOT TAKE ADVANTAGE OF ANY APPARENT ERROR OR OMISSION IN THE DRAWINGS OR

SPECIFICATIONS, AND THE ENGINEER SHALL BE PERMITTED TO MAKE CORRECTIONS AND INTERPRETATION AS MAY BE DEEMED NECESSARY FOR THE FULFILLMENT OF THE INTENT OF THE CONTRACT DOCUMENTS. THE TENDERING OF A PROPOSAL WILL ACKNOWLEDGE ACCEPTANCE OF THESE CONDITIONS BY THE BIDDER.

- 32. THE CONTRACTOR SHALL COMPLY WITH THE LEGAL LOAD RESTRICTIONS IN HAULING OF MATERIALS IN PUBLIC ROADS BEYOND THE LIMITS OF WORK. A SPECIAL PERMIT WILL NOT RELIEVE THE CONTRACTOR OF HIS LIABILITY FOR DAMAGE WHICH MAY RESULT FROM THE MOVING OF MATERIAL AND EQUIPMENT.

DEMOLITION AND EROSION CONTROL NOTES:

- 1. PRIOR TO ANY SITE CLEARING, ALL TREES SHOWN TO REMAIN ON THE CONSTRUCTION PLANS SHALL BE PROTECTED IN ACCORDANCE WITH THE LOCAL REGULATORY AGENCY'S TREE ORDINANCE AND DETAILS CONTAINED IN THESE PLANS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THESE TREES IN GOOD CONDITION. NO TREES SHOWN TO REMAIN SHALL BE REMOVED WITHOUT WRITTEN APPROVAL FROM THE OWNER.
2. THE CONTRACTOR IS TO PREPARE THE SITE PRIOR TO BEGINNING ACTUAL CONSTRUCTION IN ACCORDANCE WITH THE SOILS TESTING REPORT. COPIES OF THE SOILS REPORT ARE AVAILABLE THROUGH THE OWNER OR THE SOILS TESTING COMPANY. QUESTIONS REGARDING SITE PREPARATION REQUIREMENTS DESCRIBED IN THE SOILS REPORT ARE TO BE DIRECTED TO THE SOILS TESTING COMPANY.
...
22. EXISTING PAVEMENT AREAS TO REMAIN UNDISTURBED SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION ACTIVITIES.

PAVING, GRADING AND DRAINAGE NOTES:

- 1. THE CONTRACTOR SHALL REFER TO THE GEOTECHNICAL ENGINEERING REPORT, PREPARED BY TERRACON CONSULTANTS, PROJECT NUMBER H1225338 FOR ALL SITE PREPARATIONS AND SHALL ADHERE TO THE REQUIREMENTS SET FORTH WITHIN.
2. ALL DELETERIOUS SUBSTANCE MATERIAL (E.G. MUCK, PEAT, BURIED DEBRIS) IS TO BE EXCAVATED IN ACCORDANCE WITH THESE PLANS OR AS DIRECTED BY THE OWNER'S ENGINEER OR OWNER'S SOIL TESTING COMPANY. DELETERIOUS MATERIAL IS TO BE STOCKPILED OR REMOVED FROM THE SITE AS DIRECTED BY THE OWNER. EXCAVATED AREAS ARE TO BE BACKFILLED WITH APPROVED MATERIALS AND COMPACTED AS SHOWN ON THESE PLANS.
...
4. THE CONTRACTOR MUST MAINTAIN DRAINAGE TO THE EXISTING STRUCTURES THROUGHOUT CONSTRUCTION.

- 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXCAVATIONS AGAINST COLLAPSE AND WILL PROVIDE BRACING, SHEETING OR SHORING AS NECESSARY. TRENCHES SHALL BE KEPT DRY WHILE PIPE AND APPURTENANCES ARE BEING PLACED. DEWATERING SHALL BE USED AS REQUIRED.
6. IT MAY BE NECESSARY TO FIELD ADJUST PAVEMENT ELEVATIONS TO PRESERVE THE SURFACE COURSES TO BE SAVED. THE CONTRACTOR IS TO CO-ORDINATE WITH OWNER'S ENGINEER PRIOR TO ANY ELEVATION CHANGES.
...
37. MOISTURE CONTENT AND DENSITY OF THE TOP 12 INCHES OF THE SUBGRADE BE EVALUATED AND THE PAVEMENT SUBGRADES BE PROOF-ROLLED AND TESTED WITHIN TWO DAYS PRIOR TO COMMENCEMENT OF ACTUAL PAVING OPERATIONS. COMPACTION TESTS SHOULD BE PERFORMED AT A FREQUENCY OF 1 TEST PER 10,000 SQUARE FEET OR FRACTION THEREOF. AREAS NOT IN COMPLIANCE WITH THE REQUIRED RANGES OF

- MOISTURE OR DENSITY SHOULD BE MOISTURE CONDITIONED AND RECOMPACTED. PARTICULAR ATTENTION SHOULD BE PAID TO HIGH TRAFFIC AREAS THAT WERE RUTTED AND DISTURBED EARLIER AND TO AREAS WHERE BACKFILLED TRENCHES ARE LOCATED. AREAS WHERE UNSUITABLE CONDITIONS ARE FOUND SHOULD BE REPAIRED BY REMOVING AND REPLACING THE MATERIALS WITH PROPERLY COMPACTED FILLS.
38. IF A SIGNIFICANT PRECIPITATION EVENT OCCURS AFTER THE EVALUATION OR IF THE SURFACE BECOMES DISTURBED, THE SUBGRADE SHOULD BE REVIEWED BY QUALIFIED PERSONNEL IMMEDIATELY PRIOR TO PAVING. THE SUBGRADE SHOULD BE IN ITS FINISHED FORM AT THE TIME OF THE FINAL REVIEW.
...
57. DURING THE CONSTRUCTION AND/OR MAINTENANCE OF THIS PROJECT, ALL SAFETY REGULATIONS ARE TO BE ENFORCED BY THE CONTRACTOR. THE CONTRACTOR OR HIS REPRESENTATIVE SHALL BE RESPONSIBLE FOR THE CONTROL AND SAFETY OF THE TRAFFIC DURING THE CONSTRUCTION AND/OR MAINTENANCE OF THIS PROJECT. ALL SAFETY REGULATIONS SHALL CONFORM TO THE PROVISIONS SET FORTH BY OSHA IN THE FEDERAL REGISTER

- OF THE DEPARTMENT OF TRANSPORTATION.
2. THE MINIMUM STANDARDS AS SET FORTH IN THE CURRENT EDITION OF THE STATE OF FLORIDA, MANUAL ON TRAFFIC CONTROL AND SAFE PRACTICES FOR STREET AND HIGHWAY CONSTRUCTION, MAINTENANCE AND UTILITY OPERATIONS; SHALL BE FOLLOWED IN THE DESIGN APPLICATION, INSTALLATION, MAINTENANCE AND REMOVAL OF ALL TRAFFIC CONTROL DEVICES, WARNING DEVICES AND BARRIERS NECESSARY TO PROTECT THE PUBLIC AND WORKMEN FROM HAZARDS WITHIN THE PROJECT LIMITS.
...
6. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL FURNISH, ERECT AND MAINTAIN ALL WARNING SIGNS, MARKINGS, ETC. FOR HAZARDS AND THE CONTROL OF TRAFFIC, IN CONFORMITY WITH FDOT STANDARD, THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, OR AS DIRECTED BY FDOT, WHERE THE WORK CAUSES OBSTRUCTION TO THE NORMAL TRAFFIC OR CONSTITUTES IN ANY WAY A HAZARD TO THE PUBLIC.

STANDARDS & SPECIFICATIONS:

ALL SPECIFICATIONS AND DOCUMENTS REFERRED TO SHALL BE OF LATEST REVISIONS AND/OR LATEST EDITION OF THE CITY OF WINTER GARDEN LAND DEVELOPMENT CODE AND FDOT STANDARDS.
CITY OF WINTER GARDEN DEVELOPMENT CODE: https://library.municode.com/fl/winter_garden/codes/code_of_ordinances
FDOT STANDARD PLANS INDEX 2020-2021 https://www.fdot.gov/design/standardsplans/current/default.shtm
FDOT DESIGN MANUAL 2019 https://www.fdot.gov/roadwayfdm/default.shtm
FDOT STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION https://www.fdot.gov/programmanagement/implemented/specbooks/default.shtm

STRIPING AND SIGNAGE NOTES:

- 1. REFER TO STANDARD PLANS INDEX NO. 711-001 FOR PAVEMENT MARKING DETAILS.
2. REFER TO STANDARD PLANS INDEX NO. 700-101 FOR SIGN PLACEMENT DETAILS.
3. REFER TO STANDARD PLANS INDEX NUMBERS 700-020, 700-010, AND 700-011 FOR SIGN INSTALLATION AND HARDWARE REQUIREMENTS.
...
13. REFLECTIVE PAVEMENT MARKERS SHALL CONFORM TO FDOT STANDARD PLAN INDEX 706-001.

GENERAL CITY OF WINTER GARDEN NOTES:

- 1. ALL GRAVITY SANITARY PIPE AND FITTINGS SHALL BE SDR 26.
2. ALL COMPACTION SHALL BE 98% OF THE MODIFIED PROCTOR MAXIMUM DENSITY (AASHTO T-180).
3. AS-BUILT RECORD DRAWINGS SHALL COMPLY WITH CITY OF WINTER GARDEN REQUIREMENTS AVAILABLE ON-LINE.
...
6. ALL UTILITIES SHALL BE UNDERGROUND PURSUANT TO CODE (SEC. 18-33) INCLUDING ELECTRICAL POWER, CABLE, TELEPHONE, ETC.

KPMFranklin logo and address: 6300 HAZELHURST NATIONAL DR. STE. 116 ORLANDO, FL 32822. PHONE (407)410-8624 COA 32059

Table with columns: NO., DATE, REVISION, and rows for FINAL SITE PLAN SUBMITTAL 3, FINAL SITE PLAN SUBMITTAL 2, FINAL SITE PLAN SUBMITTAL 1.

STATUS: 100% BID & CONSTRUCT

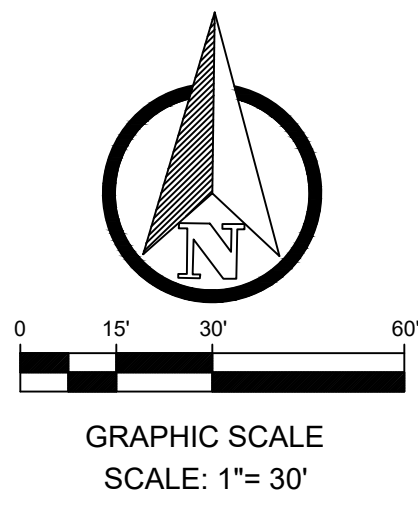
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GENERAL NOTES and WMG RETAIL CENTER

CAUTION scale bar: 0, 1/2, 1. IF THIS SCALE BAR DOES NOT MEASURE 1" THE DOCUMENT IS NOT TO SCALE

Professional Engineer Seal: JUSTIN P. BRINKMAN, LICENSE #14582, STATE OF FLORIDA, PROFESSIONAL ENGINEER

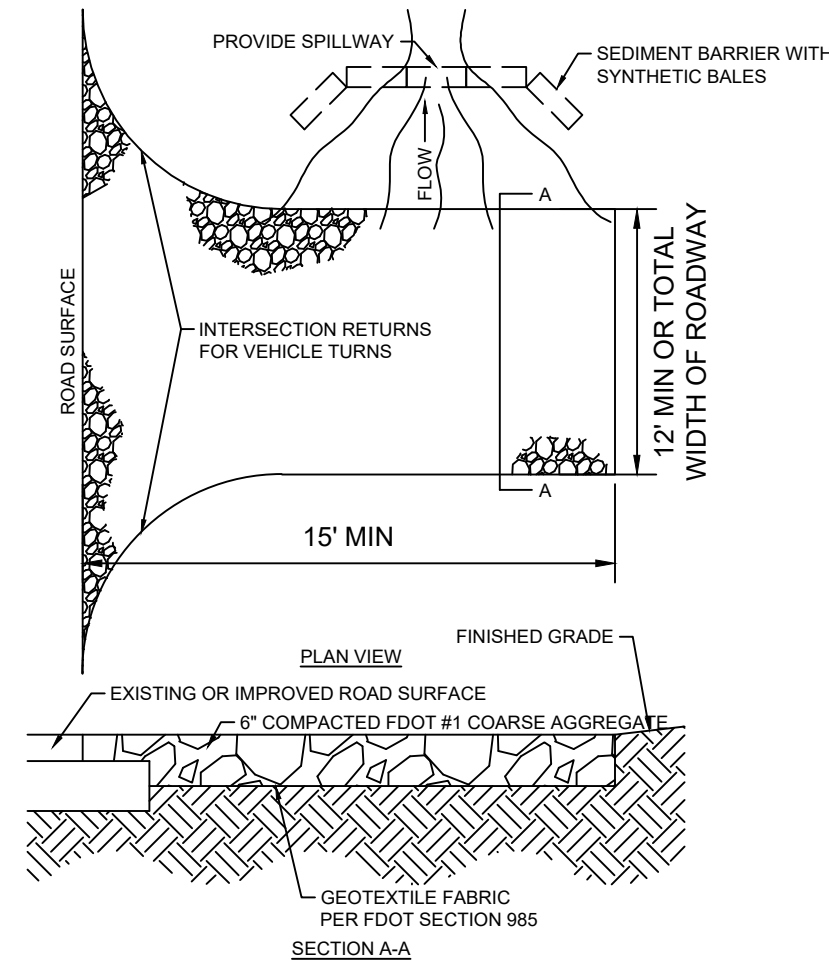
Project information: JOB NO. 22-0334.000, DESIGN: D.B., DRAWN: J.G., APPROVED: D.B., SHEET NO. C0.1



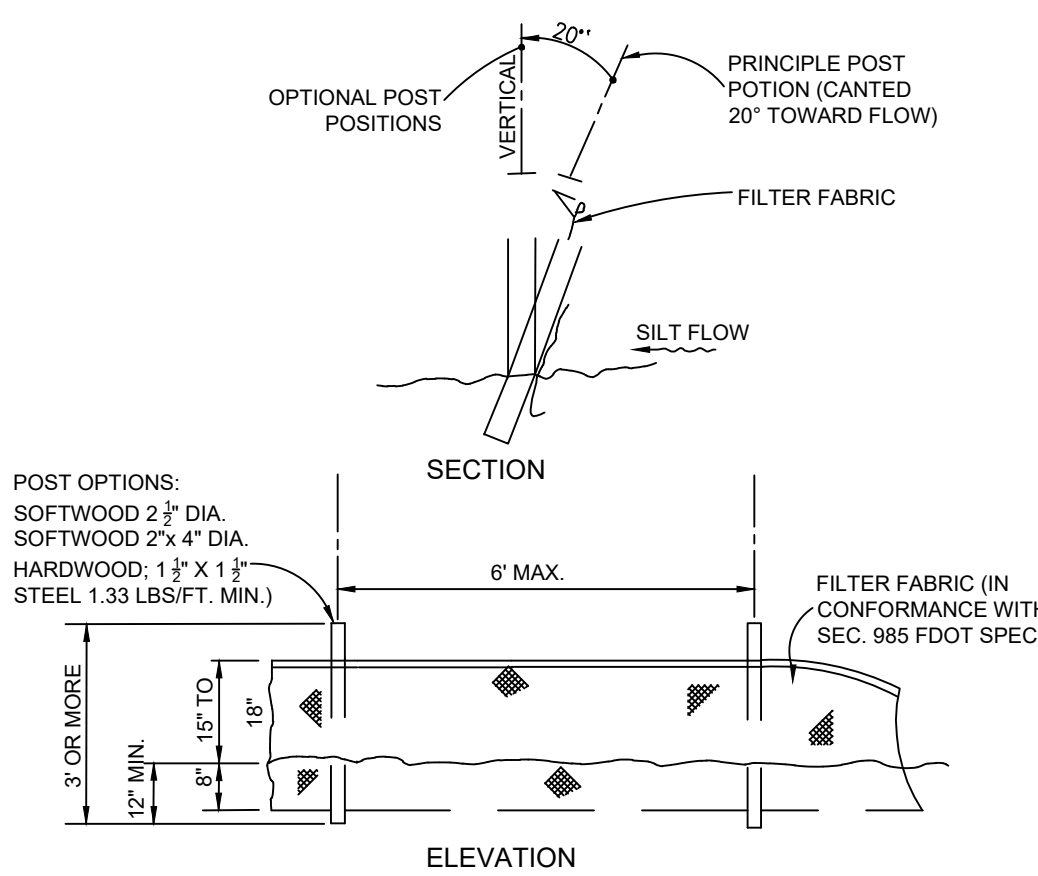
SYMBOL	DESCRIPTION	DETAILS KEY
---	PROPERTY BOUNDARY	N/A
○-○	SILT FENCE	SEE DETAIL 2 - THIS SHEET
X	TREE TO BE REMOVED	N/A
○-○-○	TREE PROTECTION	N/A
□	INLET PROTECTION	SEE DETAIL 3 - THIS SHEET
---	CURB INLET PROTECTION	SEE DETAIL 3 - THIS SHEET
▨	CONCRETE TO BE REMOVED	N/A

NOTES:

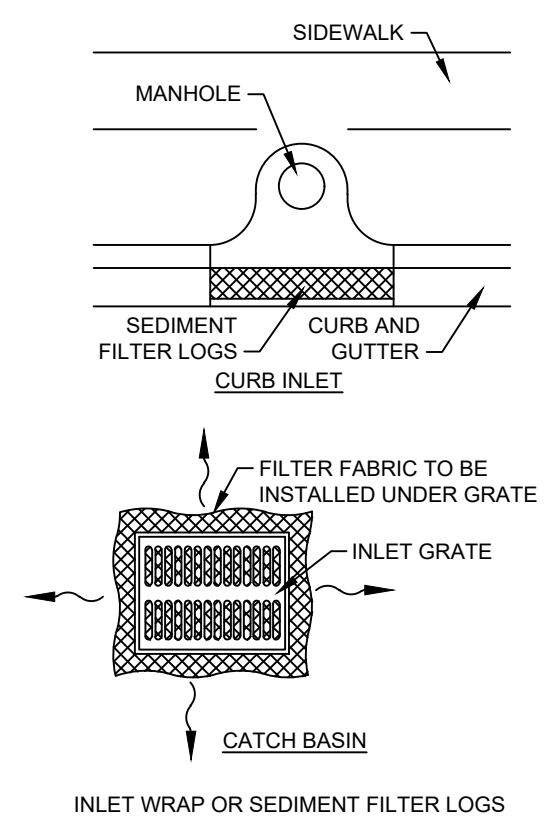
- CONTRACTOR TO CLEAR AND GRUB SITE FOLLOWING SILT FENCE INSTALLATION.
- WHERE APPLICABLE, SILT FENCING SHALL BE INSTALLED DIRECTLY ON THE PROPERTY BOUNDARY. SILT FENCE DEPICTED ON PLANS INDICATES AN OFFSET FOR CLARITY PURPOSES ONLY. CONTRACTOR SHALL CONFIRM WITH ENGINEER EXACT LIMITS OF SILT FENCING PRIOR INSTALLATION.
- ALL PINE TREES WITHIN THE SITE LIMITS SHALL BE CLEARED AND HARVESTED. NO REPLACEMENT AND/OR MITIGATION IS REQUIRED FOR THE PINE TREE REMOVAL.



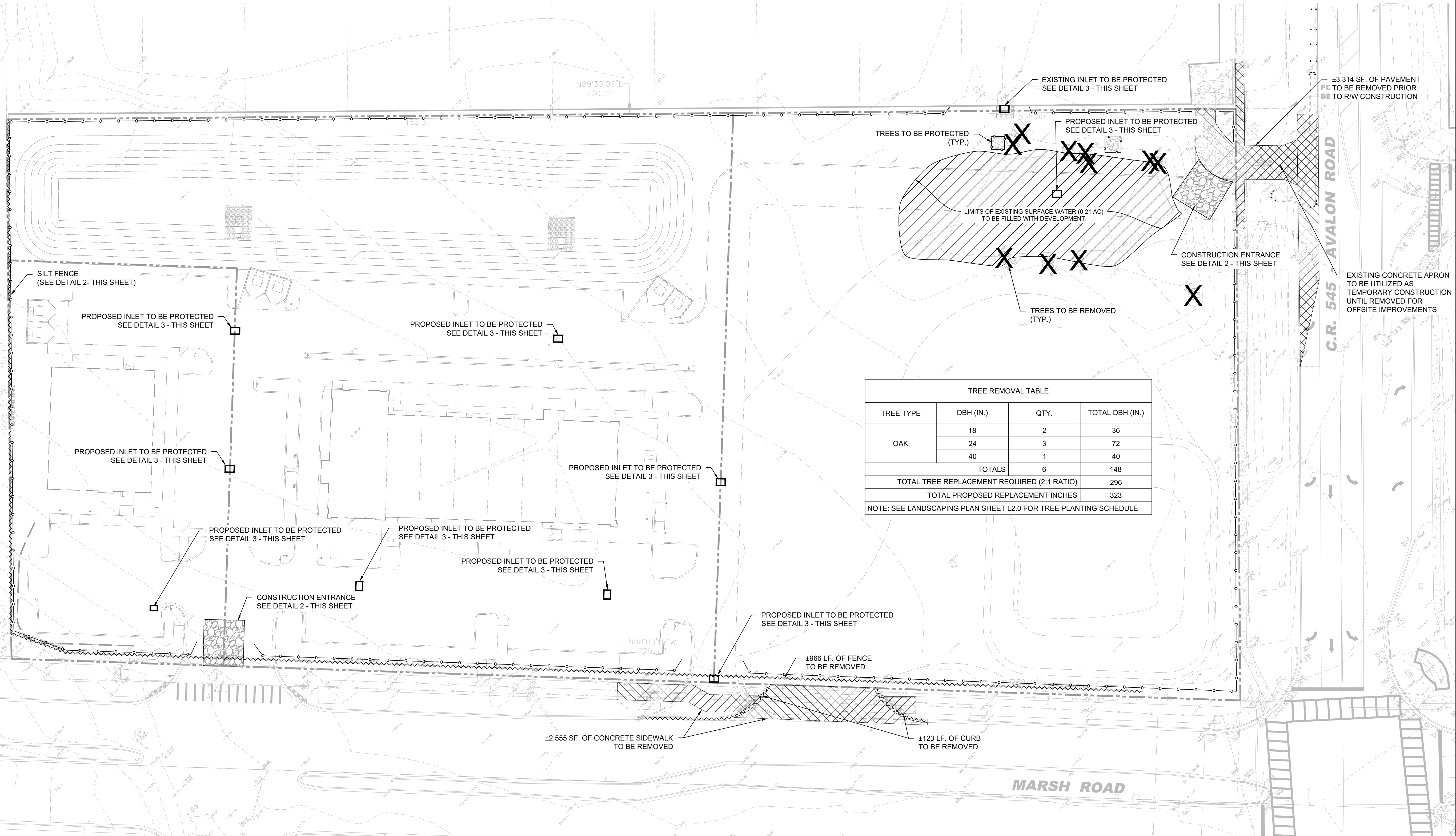
2 CONSTRUCTION ENTRANCE DETAIL
NTS



2 SILT FENCE DETAIL
NTS



3 INLET PROTECTION
NTS



TREE REMOVAL TABLE			
TREE TYPE	DBH (IN.)	QTY.	TOTAL DBH (IN.)
OAK	18	2	36
	24	3	72
	40	1	40
TOTALS		6	148
TOTAL TREE REPLACEMENT REQUIRED (2:1 RATIO)			296
TOTAL PROPOSED REPLACEMENT INCHES			323

NOTE: SEE LANDSCAPING PLAN SHEET L2.0 FOR TREE PLANTING SCHEDULE



6300 HAZELTINE NATIONAL DR.
STE. 118 ORLANDO, FL 32822
PHONE (407)410-8624 COA 32059

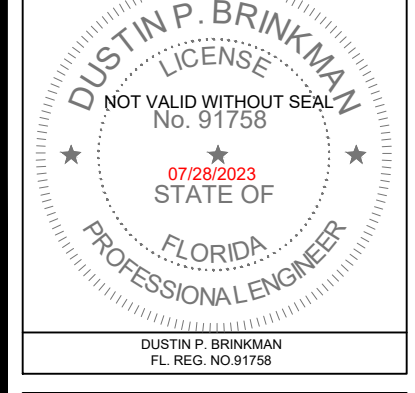
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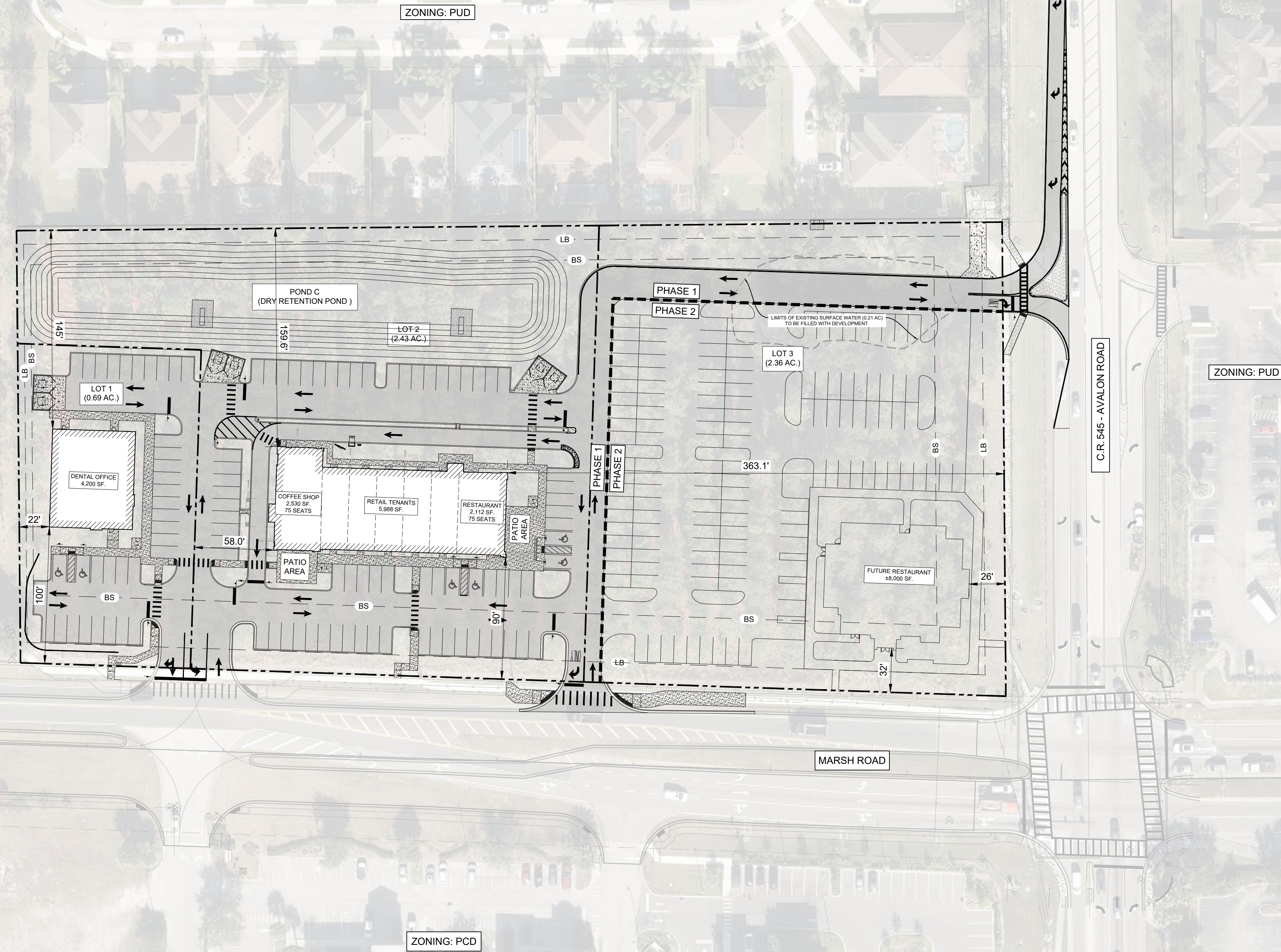
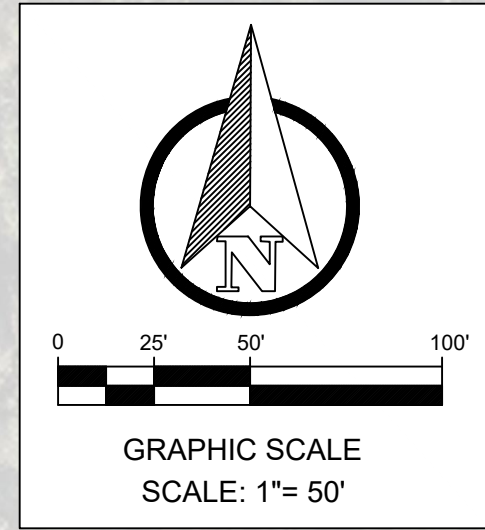
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DEMOLITION & EROSION CONTROL PLAN
WMG RETAIL CENTER

CAUTION
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JOB NO.	22-0334-000
DESIGN	D.B.
DRAWN	J.G.
APPROVED	D.B.
SHEET NO.	C0.2



SITE DATA			
PARCEL ID	04-23-27-0000-00-002		
PROJECT ADDRESS	1504 AVALON RD. WINTER GARDEN, FL. 34787		
LOT 1 AREA	0.69		
LOT 2 AREA	2.43		
LOT 3 AREA	2.36		
OVERALL SITE AREA	5.48 AC.		
ZONING	PCD (PLANNED COMMERCIAL DEVELOPMENT)		
ADJACENT ZONING	NORTH - PUD		
	SOUTH - PCD		
	EAST - PUD		
	WEST - PUD		
FUTURE LAND USE	COMMERCIAL		
BUILDING CONSTRUCTION TYPE	TYPE II-B		
MAX ALLOWABLE BUILDING HEIGHT	35'		
PROPOSED BUILDING HEIGHT	23'		
PROPOSED FAR (SF. FLOOR AREA / SF. LAND)	0.06		
BUILDING SETBACKS			
	REQUIRED (FT.)	PROVIDED (FT.)	
FRONT (SOUTH - MARSH RD.)	50	* 32	
SIDE (EAST - AVALON RD.)	50	* 26	
SIDE (WEST)	25	22	
REAR (NORTH)	25	145	
*BUILDING SETBACK VARIANCE IS BEING APPLIED TO REDUCE MINIMUM REQUIRED SETBACK FROM 50' TO 15' TO CREATE MASSING AT THE INTERSECTION OF MARSH & AVALON RD., AS REQUESTED BY THE CITY.			
LANDSCAPE BUFFERS			
	REQUIRED (FT.)	PROVIDED (FT.)	
FRONT (SOUTH - MARSH RD.)	15	15	
FRONT (EAST - AVALON RD.)	15	15	
SIDE (WEST)	5	5	
REAR (NORTH)	10	10	
EXISTING IMPERVIOUS / OPEN SPACE AREA BREAKDOWN			
EXISTING OPEN SPACE	0 SF.	AC.	100%
EXISTING IMPERVIOUS AREA (PAVEMENT)	0 SF	0 AC.	0%
PHASE 1 PROPOSED IMPERVIOUS / OPEN SPACE AREA BREAKDOWN (LOTS 1 & 2 BUILDOUT & ACCESS DRIVE)			
LOT 1 (0.69 ACRES)			OVERALL %
BUILDING FOOTPRINT	4,200 SF.	0.10 AC.	2%
ASPHALT & CONCRETE PAVEMENT/CURBING	16,859 SF.	0.38 AC.	7%
OPEN SPACE	9,096 SF	0.21 AC.	4%
LOT 2 (2.43 ACRES)			
BUILDING FOOTPRINT	10,630 SF.	0.24 AC.	4%
ASPHALT & CONCRETE PAVEMENT/CURBING	43,992 SF.	1.01 AC.	18%
OPEN SPACE	51,241 SF.	1.18 AC.	22%
LOT 3 (2.36 ACRES)			
ASPHALT & CONCRETE PAVEMENT/CURBING	11,242 SF.	0.26 AC.	5%
OPEN SPACE	91,476 SF.	2.10 AC.	38%
TOTAL PHASE 1 PROPOSED IMPERVIOUS AREA	86,923 SF.	1.99 AC.	36%
TOTAL PHASE 1 PROPOSED OPEN SPACE AREA	152,024 SF.	3.49 AC.	64%
TOTAL PROJECT AREA	238,947 SF.	5.48 AC.	100%
FINAL BUILDOUT IMPERVIOUS / OPEN SPACE AREA BREAKDOWN			
MAXIMUM ALLOWED IMPERVIOUS AREA	* 162,043 SF.	* 3.72 AC.	68%
OPEN SPACE	76,904 SF.	1.76 AC.	32%
TOTAL PROJECT AREA	238,947 SF.	5.48 AC.	100%
* MAXIMUM ALLOWED IMPERVIOUS AREA PER MASTER SJRWMD PERMIT NO. 40-095-103728-1			
VEHICLE PARKING ANALYSIS (THIS PHASE)			
	REQUIRED	PROVIDED	
LOT 1 (DENTAL OFFICE)	13 (3 SPACES / 1000 SF.)	34	
LOT 2 (RETAIL & RESTAURANT)	18 (3 SP / 1000 SF. RETAIL)	70	
	38 (1 SP / 4 SEATS REST.)		
TOTAL PARKING (THIS PHASE)	69	104	
BICYCLE PARKING ANALYSIS			
	REQUIRED	PROVIDED	
LOT 1	NA	4	
LOT 2	NA	8	
TOTAL PARKING	NA	8	
PHASING	2 PHASES		
WETLANDS	NO WETLANDS ONSITE (0.21 SURFACE WATER TO BE FILLED)		
STORM WATER MANAGEMENT	ST. JOHNS RIVER WATER MANAGEMENT		
UTILITIES (WATER, SEWER, IRRIGATION)	CITY OF WINTER GARDEN		
LIGHTING	CITY OF WINTER GARDEN		
FIRE PROTECTION	CITY OF WINTER GARDEN		
PERMITTED USES INCLUDE, BUT ARE NOT LIMITED TO:			
EATING AND DRINKING ESTABLISHMENTS (WITH ALCOHOL SALES IF IN FULL COMPLIANCE WITH THE CITY AND STATE ALCOHOL LAWS)	FINANCIAL INSTITUTIONS (DRIVE THRU OF MORE THAN 2 LANES REQUIRES SPECIAL EXCEPTION)		
OFFICES	RETAIL ESTABLISHMENTS		
STUDIOS	VETERINARY (WITHOUT OUTSIDE KENNEL)		
PUBLIC BUILDINGS	MEDICAL / DENTAL		
EMPLOYMENT AGENCIES (BUT NOT DAY LABOR AGENCIES)	SPECIALTY FOOD STORE (NEED GARBAGE REFRIGERATOR IF SELLING FOOD)		
PERSONAL SERVICES (BUT NOT DAYCARE)	- INTENTIONALLY LEFT BLANK -		



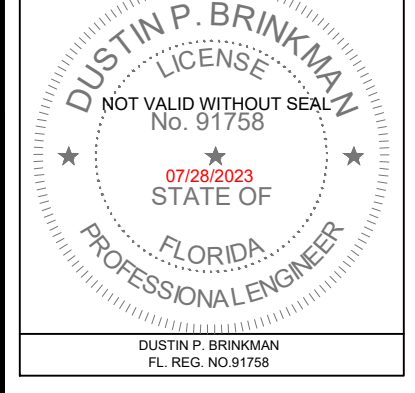
REVISION NO.	DATE	DESCRIPTION
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STATUS: 100% BID & CONSTRUCT

REVISION NO.	DATE	DESCRIPTION
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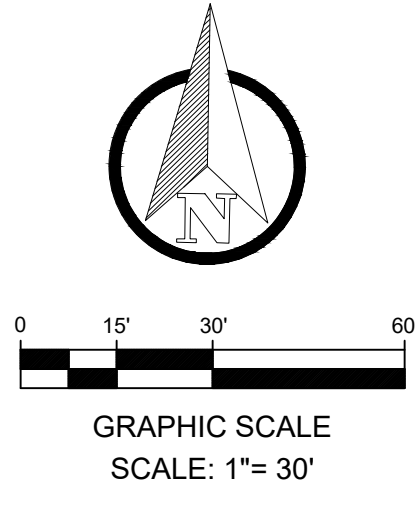
OVERALL SITE PLAN
WMG RETAIL CENTER

CAUTION
0 1/2 1
IF THIS SCALE BAR DOES NOT MEASURE 1" THE DOCUMENT IS NOT TO SCALE



JOB NO.	22-0334.000
DESIGN	D.B.
DRAWN	J.G.
APPROVED	D.B.
SHEET NO.	C1.0

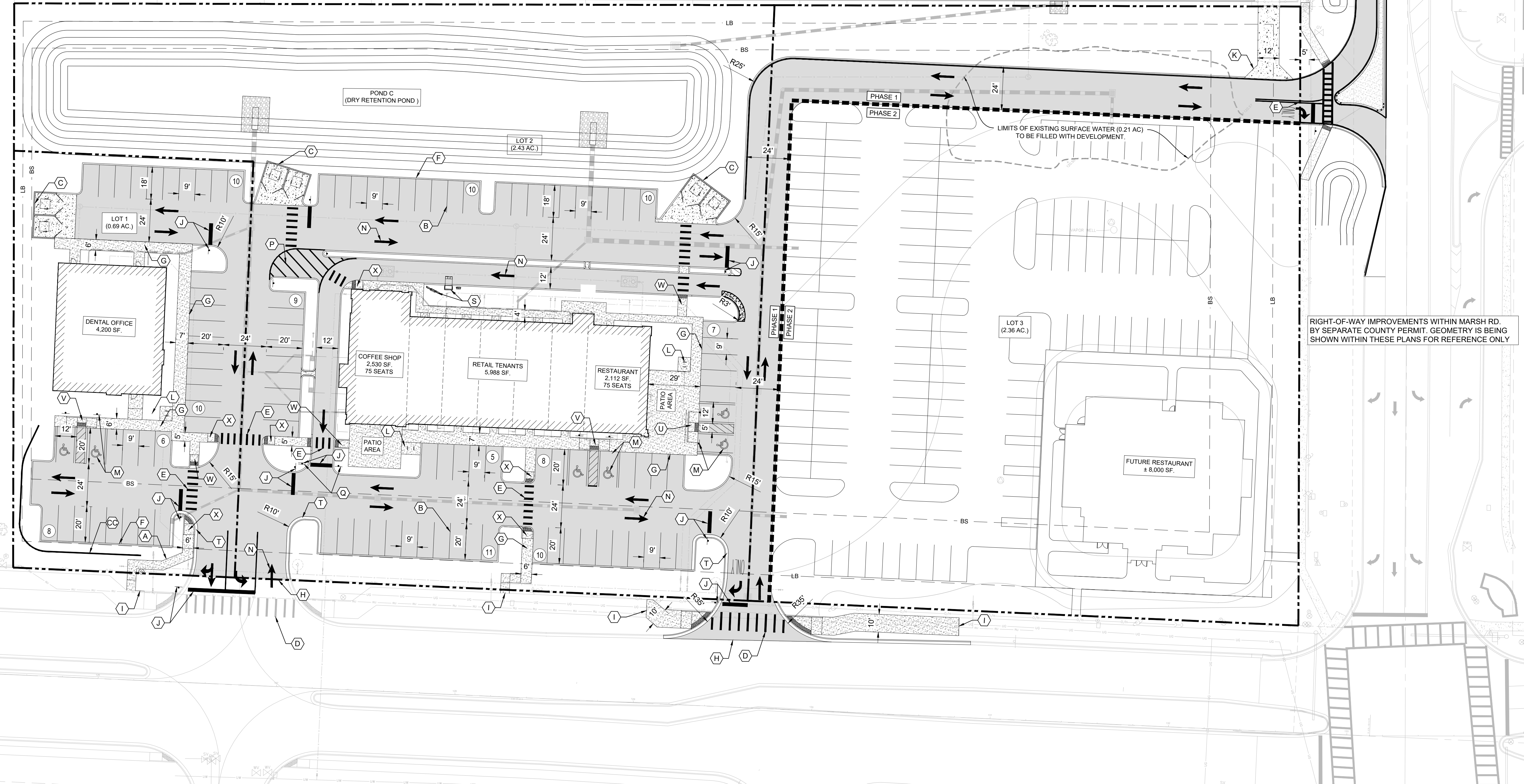
P:\22\0334\000 WMG - WINTER GARDEN AVALON AND MARSHESIDE\PLANS\CONSTRUCTION\1.0 OVERALL SITE PLAN.DWG



SYMBOL	DESCRIPTION	DETAILS KEY
---	PROPERTY BOUNDARY	N/A
▬	PROPOSED ASPHALT PAVEMENT	SEE DETAIL 1 - SHEET C4.0
▬	6" THICK VEHICULAR CONCRETE PAVEMENT	SEE DETAIL 2 - SHEET C4.0
▬	4" THICK PEDESTRIAN CONCRETE PAVEMENT	SEE DETAIL 3 - SHEET C4.0
---	LANDSCAPE BUFFER	N/A
---	BUILDING SETBACK	NA
(A)	FLUSH WITH GRADE CONCRETE SIDEWALK	SEE DETAIL 3 - SHEET C4.0
(B)	6" WHITE PAINTED PAVEMENT STRIPE	PER FDOT STANDARDS INDEX 711-001
(C)	DUMPSTER PAD & ENCLOSURE	PER CITY OF WINTER GARDEN DETAIL 7 - SHEET 11
(D)	10' X 1.5' CROSSWALL STRIPE @ 5' O.C	PER FDOT STANDARDS INDEX 711-001
(E)	5' X 1.5' CROSSWALL STRIPE @ 5' O.C	PER FDOT STANDARDS INDEX 711-001
(F)	TYPE D CURB	SEE DETAIL 5 - SHEET C4.0
(G)	RAISED CONCRETE SIDEWALK	SEE DETAIL 4 - SHEET C4.0
(H)	SAWCUT & CONNECT TO EXISTING ASPHALT PAVEMENT	SEE DETAIL 12 - SHEET C4.0
(I)	CONNECT TO EXISTING SIDEWALK. INSTALL EXPANSION JOINT	SEE DETAIL 8 - SHEET C4.0
(J)	STOP BAR & STOP SIGN	SEE DETAIL 10 - SHEET C4.0
(K)	LIFT STATION ACCESS DRIVEWAY	N/A
(L)	TWO U LOOP BIKE RACK	SEE DETAIL 16 - SHEET C4.1

SYMBOL	DESCRIPTION	DETAILS KEY
(M)	HANDICAP PARKING SIGN & PAVEMENT STRIPING	SEE DETAIL 14 - SHEET C4.1
(N)	DIRECTIONAL ARROW	PER FDOT STANDARDS INDEX 711-001
(O)	18" WHITE TRAFFIC SEPARATION STRIPING @ 8' O.C. & 6" WHITE PERIMETER STRIPING	PER FDOT STANDARDS INDEX 711-001
(P)	4" WHITE TRAFFIC SEPARATION STRIPING @ 5' O.C. & 4" YELLOW WHITE PERIMETER STRIPING	PER FDOT STANDARDS INDEX 711-001
(Q)	ONE WAY - DO NOT ENTER SIGN	N/A
(R)	CONCRETE TRAFFIC SEPARATOR	PER FDOT STANDARDS INDEX 520-020, TYPE I, OPTION II
(S)	MENU SIGN / ORDER AREA	SEE ARCHITECTURAL SHOWN FOR REFERENCE ONLY
(T)	TYPE F CURB	SEE DETAIL 6 - SHEET C4.0
(U)	ADA RAMP - TYPE CR-C & DETECTABLE WARNING & HANDRAIL ON BACK SIDE	PER FDOT STANDARDS INDEX 522-002
(V)	ADA RAMP - TYPE CR-C & DETECTABLE WARNING	PER FDOT STANDARDS INDEX 522-002
(W)	ADA RAMP - TYPE CR-E & DETECTABLE WARNING	PER FDOT STANDARDS INDEX 522-002
(X)	ADA RAMP - TYPE CR-G & DETECTABLE WARNING	PER FDOT STANDARDS INDEX 522-002
(Y)	NO LEFT TURN SIGN (R3-2)	PER MUTCD
(Z)	6" WHITE SKIP STRIPE (2' - 4')	PER FDOT STANDARDS INDEX 711-001
(AA)	W/R RPM @40' O.C.	PER FDOT STANDARDS INDEX 706-001
(BB)	6" SOLID WHITE LANE LINE (THERMOPLASTIC)	PER FDOT STANDARDS INDEX 711-001
(CC)	BLOCK RETAINING WALL	SEE GRADING FOR HEIGHT. WALL DESIGN BY OTHERS.

NOTE: DECORATE KNEE WALL SHALL BE INSTALLED ALONG THE PERIMETER OF AVALON & MARSH ROAD WITH THE PHASE 2 DEVELOPMENT OF LOT 3 AND SHALL BE A CONDITION OF SITE PLAN APPROVAL.



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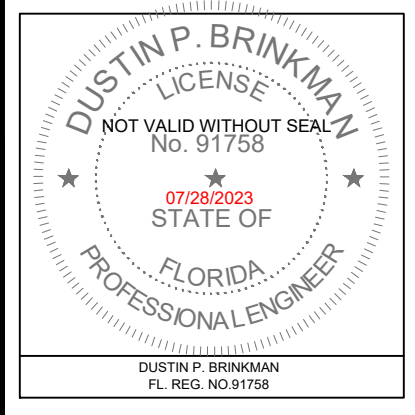
REV. NO.	DATE	DESCRIPTION
8	07/28/23	FINAL SITE PLAN SUBMITTAL 3
7	06/16/23	FINAL SITE PLAN SUBMITTAL 2
6	05/05/23	FINAL SITE PLAN SUBMITTAL 1
5		
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STATUS: 100% BID & CONSTRUCT

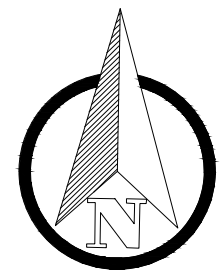
REV. NO.	DATE	DESCRIPTION
10	06/16/23	REVISED TO ADDRESS DRC COMMENTS
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SITE & GEOMETRY PLAN
WMG RETAIL CENTER

CAUTION
0 1/2 1
IF THIS SCALE BAR DOES NOT MEASURE 1" THE DOCUMENT IS NOT TO SCALE



JOB NO.	22-0334.000
DESIGN	D.B.
DRAWN	J.G.
APPROVED	D.B.
SHEET NO.	C1.1



GRAPHIC SCALE
SCALE: 1"= 30'

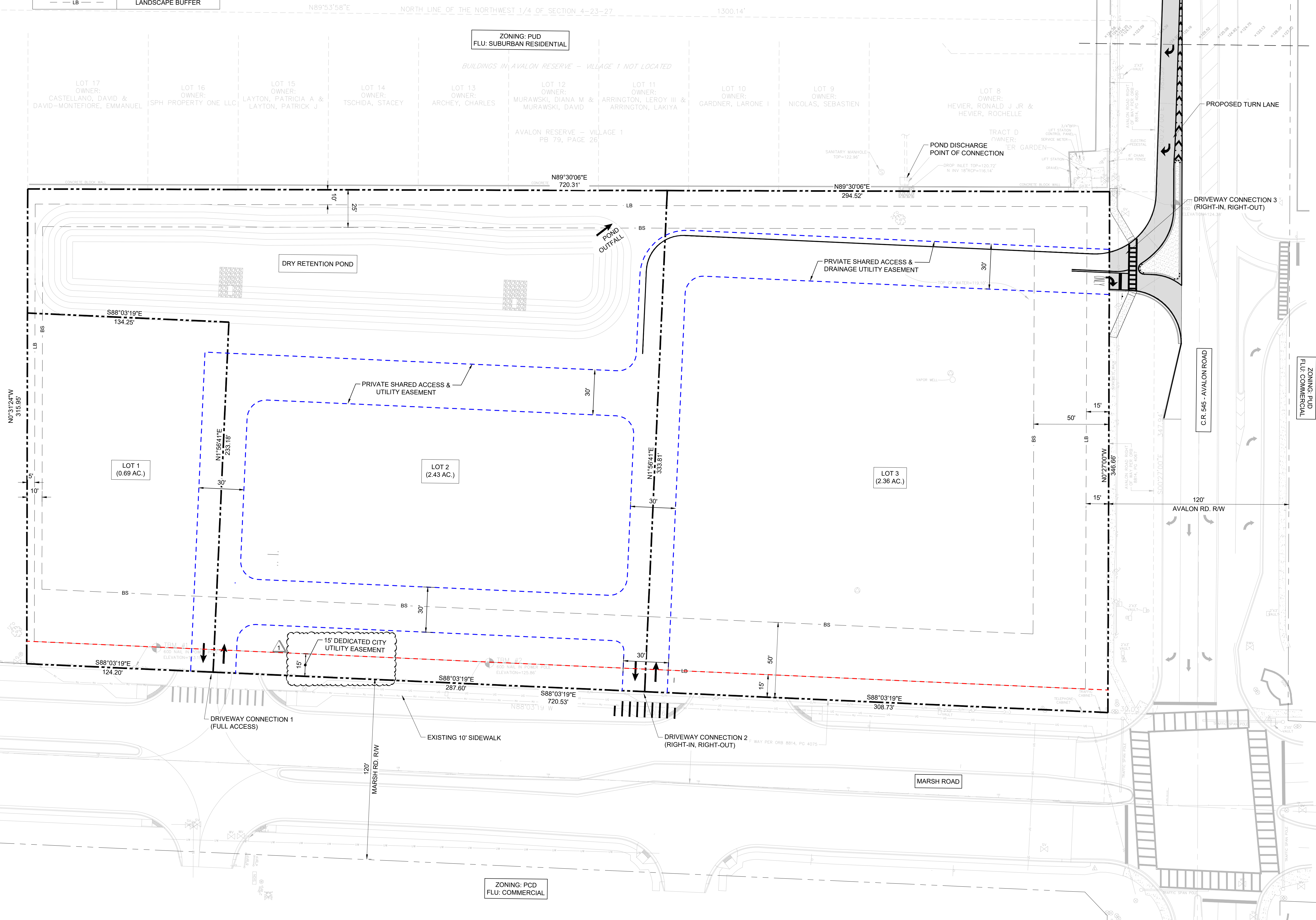
KEY LEGEND	
SYMBOL	DESCRIPTION
	PROPERTY BOUNDARY
	EXISTING RIGHT OF WAY
	PRIVATE EASEMENT
	CITY WATER EASEMENT
	BUILDING SETBACK
	LANDSCAPE BUFFER

NOTE: PRELIMINARY PLAT WILL BE REVIEWED AND APPROVED BY SEPARATE APPLICATION AND IS BEING INCLUDED WITH THIS PLAN ONLY TO CLARIFY PROPOSED LOT CONFIGURATION AND EASEMENTS.



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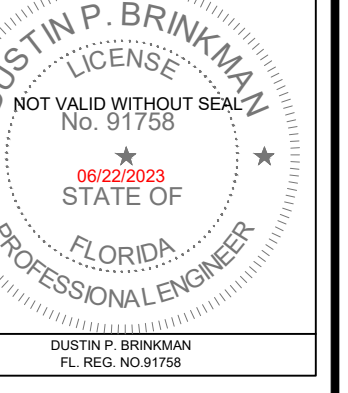


REV. NO.	DATE	DESCRIPTION
1	11/08/22	PRELIMINARY PLAT SUBMITTAL 1
2	05/05/23	PRELIMINARY PLAT SUBMITTAL 2
3	06/22/23	PRELIMINARY PLAT - FINAL SUBMITTAL
4	06/22/23	REVISED ON-SITE UTILITY EASEMENT
5	06/22/23	REVISED TO ADD EASEMENT & CHANGED LOT CONFIGURATION

REV. NO.	DATE	DESCRIPTION
1	05/05/23	REVISED ON-SITE UTILITY EASEMENT
2	06/22/23	REVISED TO ADD EASEMENT & CHANGED LOT CONFIGURATION
3	06/22/23	REVISED ON-SITE UTILITY EASEMENT
4	06/22/23	REVISED TO ADD EASEMENT & CHANGED LOT CONFIGURATION
5	06/22/23	REVISED ON-SITE UTILITY EASEMENT
6	06/22/23	REVISED TO ADD EASEMENT & CHANGED LOT CONFIGURATION
7	06/22/23	REVISED ON-SITE UTILITY EASEMENT
8	06/22/23	REVISED TO ADD EASEMENT & CHANGED LOT CONFIGURATION
9	06/22/23	REVISED ON-SITE UTILITY EASEMENT
10	06/22/23	REVISED TO ADD EASEMENT & CHANGED LOT CONFIGURATION

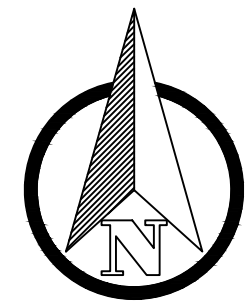
PRELIMINARY PLAT & EASEMENT PLAN
WMG RETAIL CENTER

CAUTION
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JOB NO.	22-0334.000
DESIGN	D.B.
DRAWN	J.G.
APPROVED	D.B.
SHEET NO.	C1.2

P:\22\0334\000\WMG - WINTER GARDEN AVALON AND MARSHES\0334\000\CONSTRUCTION\PRELIMINARY PLAT\12 - PRELIMINARY PLAT.DWG 03/10/2023



GRAPHIC SCALE
SCALE: 1"= 30'

LEGEND / ABBREVIATIONS

SYMBOL	DESCRIPTION
[Solid Grey Box]	PROPOSED ASPHALT PAVEMENT
[Dotted Grey Box]	4" PEDESTRIAN CONCRETE PAVEMENT
[Dashed Line]	PROPERTY BOUNDARY
[Solid Line]	EXISTING STORM DRAIN PIPE
[Dashed Line]	PROPOSED STORM DRAIN PIPE
[###.###]	PROPOSED SPOT GRADE ELEVATION
[TOC EOP]	PROPOSED EOP/TOC SPOT GRADE ELEVATION
[---##---	PROPOSED CONTOUR LINE
[###.### X]	EXISTING SPOT GRADE ELEVATION
[---##---	EXISTING CONTOUR LINE
[Square with 'I']	PROPOSED STORM DRAIN INLET
[Circle with 'I']	PROPOSED STORM DRAIN MANHOLE
[Arrow]	DRAINAGE FLOW ARROW
MEG	MATCH EXISTING GRADE
G.B	GRADE BREAK
T.O.W	TOP OF WALL
B.O.W	BOTTOM OF WALL
DS	DOWNSPOUT CONNECTION

STRUCTURE TABLE

STRUCTURE NAME	STRUCTURE DETAILS
D-1	TYPE C INLET (FDOT 425-052) RIM = 125.16 N: 1521791.73 E: 456341.87 30" S INV = 120.13 12" SW INV = 120.13 30" N INV = 120.13
D-2	TYPE C INLET (FDOT 425-052) RIM = 125.03 N: 1521710.83 E: 456338.83 24" S INV = 120.29 8" E INV = 121.50 30" N INV = 120.29
D-3	MANHOLE - P BOTTOM RIM = 125.88 N: 1521644.66 E: 456336.85 12" SW INV = 120.42 18" E INV = 120.42 24" N INV = 120.42
D-4	TYPE C INLET (FDOT 425-052) RIM = 125.30 N: 1521640.67 E: 456414.58 18" E INV = 120.62 18" W INV = 120.62
D-5	TYPE C INLET (FDOT 425-052) RIM = 125.48 N: 1521635.78 E: 456559.95 18" W INV = 120.99

STRUCTURE TABLE

STRUCTURE NAME	STRUCTURE DETAILS
D-6	NEENAH R3067 - TYPE 9 GRATE (FDOT STD. PLANS 425-024) RIM = 125.21 N: 1521626.75 E: 456300.06 12" NE INV = 120.58
D-7	TYPE C INLET (FDOT 425-052) RIM = 125.25 N: 1521786.56 E: 456531.01 30" E INV = 120.13 12" SW INV = 120.50 30" N INV = 120.13
D-8	MANHOLE - P BOTTOM RIM = 125.98 N: 1521783.72 E: 456628.92 24" N INV = 120.33 24" S INV = 120.33 18" E INV = 120.33 30" W INV = 120.33
D-9	MANHOLE - P BOTTOM RIM = 127.04 N: 1521872.04 E: 456638.98 24" E INV = 120.52 24" S INV = 120.52
D-10	TYPE C INLET (FDOT 425-052) RIM = 125.50 N: 1521872.00 E: 456823.52 24" W INV = 120.90 18" S INV = 120.94

STRUCTURE TABLE

STRUCTURE NAME	STRUCTURE DETAILS
AD-1	12" ADS NYNOPLAST DRAIN WITH 12" DOMED GRATE RIM = 126.13 N: 1521751.86 E: 456492.01 6" S INV = 120.84 12" NE INV = 120.84
CS	CONTROL STRUCTURE TYPE D INLET (SEE DETAIL 1 - SHEET C2.2) RIM = 125.00 N: 1521895.87 E: 456578.59 18" E INV = 117.00
D-11	TYPE C INLET (FDOT 425-052) RIM = 125.50 N: 1521703.02 E: 456626.47 18" S INV = 120.49 24" N INV = 120.49
D-12	MANHOLE - P BOTTOM RIM = 125.95 N: 1521633.66 E: 456624.11 12" S INV = 120.66 18" E INV = 120.66 18" N INV = 120.66
D-13	TYPE C INLET (FDOT 425-052) RIM = 125.19 N: 1521587.89 E: 456792.84 12" N INV = 120.87
EXIS-1	CORE & CONNECT TO EXISTING DROP INLET RIM = 120.83 N: 1521921.72 E: 456792.84 18" W INV = 116.14

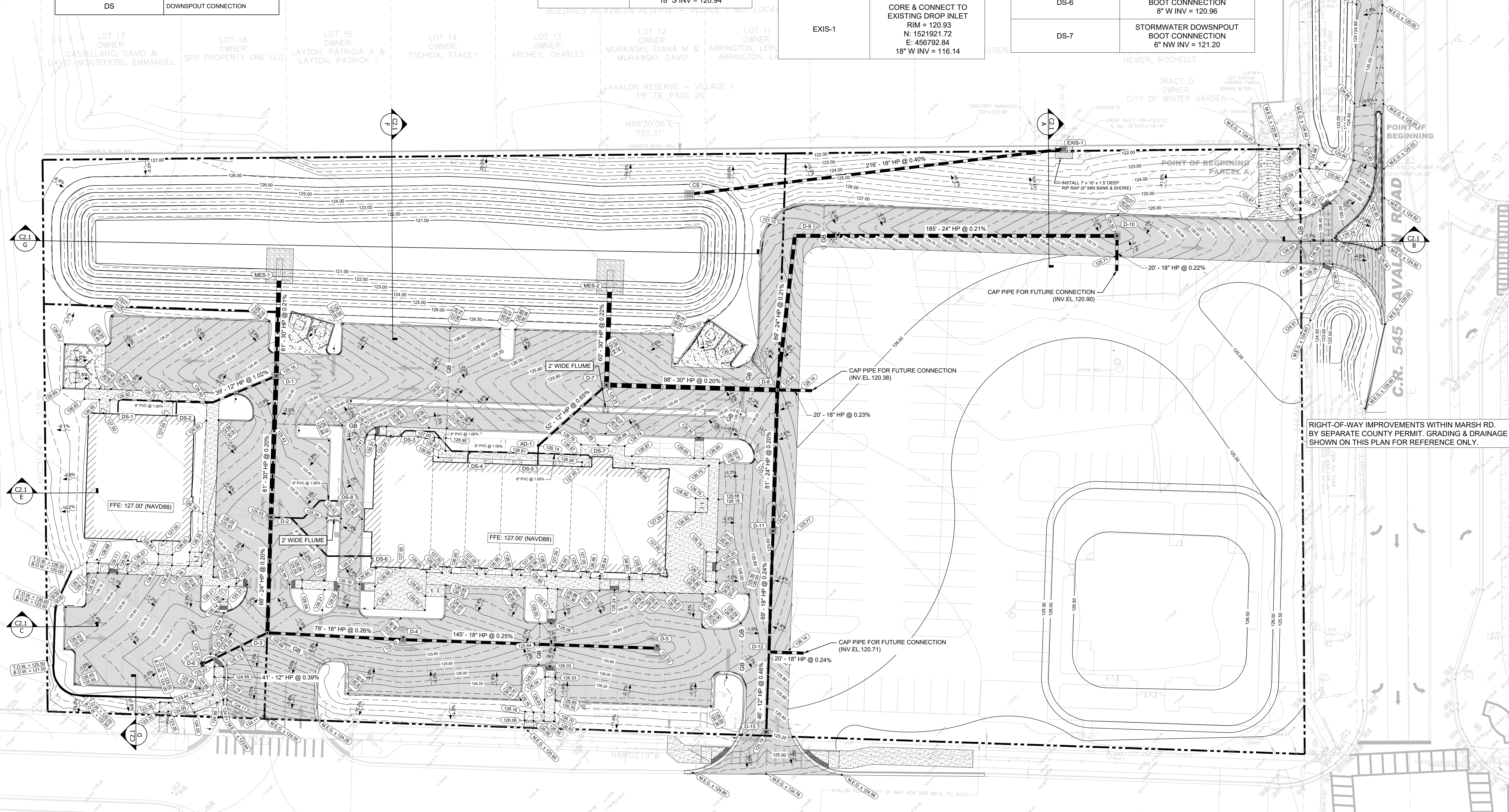
END SECTION STRUCTURE TABLE

STRUCTURE NAME	STRUCTURE DETAILS
MES-1	MES (FDOT 430-021) SEE DETAIL 2 - SHEET C2.2 30" S INV = 120.00
MES-2	MES (FDOT 430-021) SEE DETAIL 2 - SHEET C2.2 30" S INV = 120.00

DOWNSPOUT CONNECTION TABLE

STRUCTURE NAME	STRUCTURE DETAILS
DS-1	STORMWATER DOWNSPOUT BOOT CONNECTION 6" N INV = 120.94
DS-2	STORMWATER DOWNSPOUT BOOT CONNECTION 6" N INV = 121.00
DS-3	STORMWATER DOWNSPOUT BOOT CONNECTION 6" NE INV = 121.73
DS-4	STORMWATER DOWNSPOUT BOOT CONNECTION 6" N INV = 121.34
DS-5	STORMWATER DOWNSPOUT BOOT CONNECTION 6" N INV = 120.95
DS-6	STORMWATER DOWNSPOUT BOOT CONNECTION 8" W INV = 120.96
DS-7	STORMWATER DOWNSPOUT BOOT CONNECTION 6" NW INV = 121.20

POINT OF COMMENCEMENT
NORTHWEST CORNER OF SECTION 4-23-27



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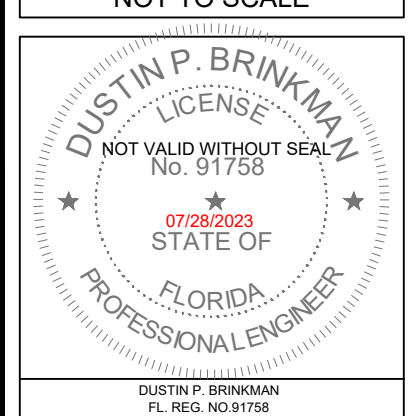
NO.	DATE	DESCRIPTION
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2	06/16/23	FINAL SITE PLAN SUBMITTAL 2
3	07/28/23	FINAL SITE PLAN SUBMITTAL 3
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STATUS: 100% BID & CONSTRUCT

NO.	DATE	DESCRIPTION
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GRADING & DRAINAGE PLAN
WMG RETAIL CENTER

CAUTION
IF THIS SCALE BAR DOES NOT MEASURE 1" THE DOCUMENT IS NOT TO SCALE



JOB NO: 22-0334.000
DESIGN: D.B.
DRAWN: J.G.
APPROVED: D.B.
SHEET NO: C2.0

RIGHT-OF-WAY IMPROVEMENTS WITHIN MARSH RD. BY SEPARATE COUNTY PERMIT. GRADING & DRAINAGE SHOWN ON THIS PLAN FOR REFERENCE ONLY.

P:\22\0334\000\WMG - WINTER GARDEN AVALON AND MARSH RESERVE\PLANS\CONSTRUCTION\2.0 GRADING & DRAINAGE PLAN.DWG



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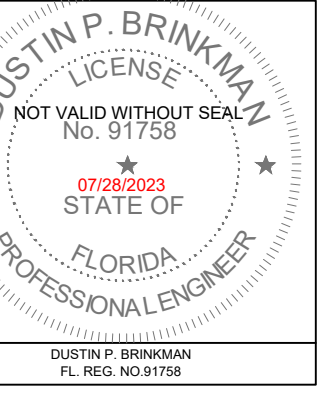
REVISION NO.	DATE	DESCRIPTION
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FINAL SITE PLAN SUBMITTAL 3
FINAL SITE PLAN SUBMITTAL 2
FINAL SITE PLAN SUBMITTAL 1
STATUS: 100% BID & CONSTRUCT

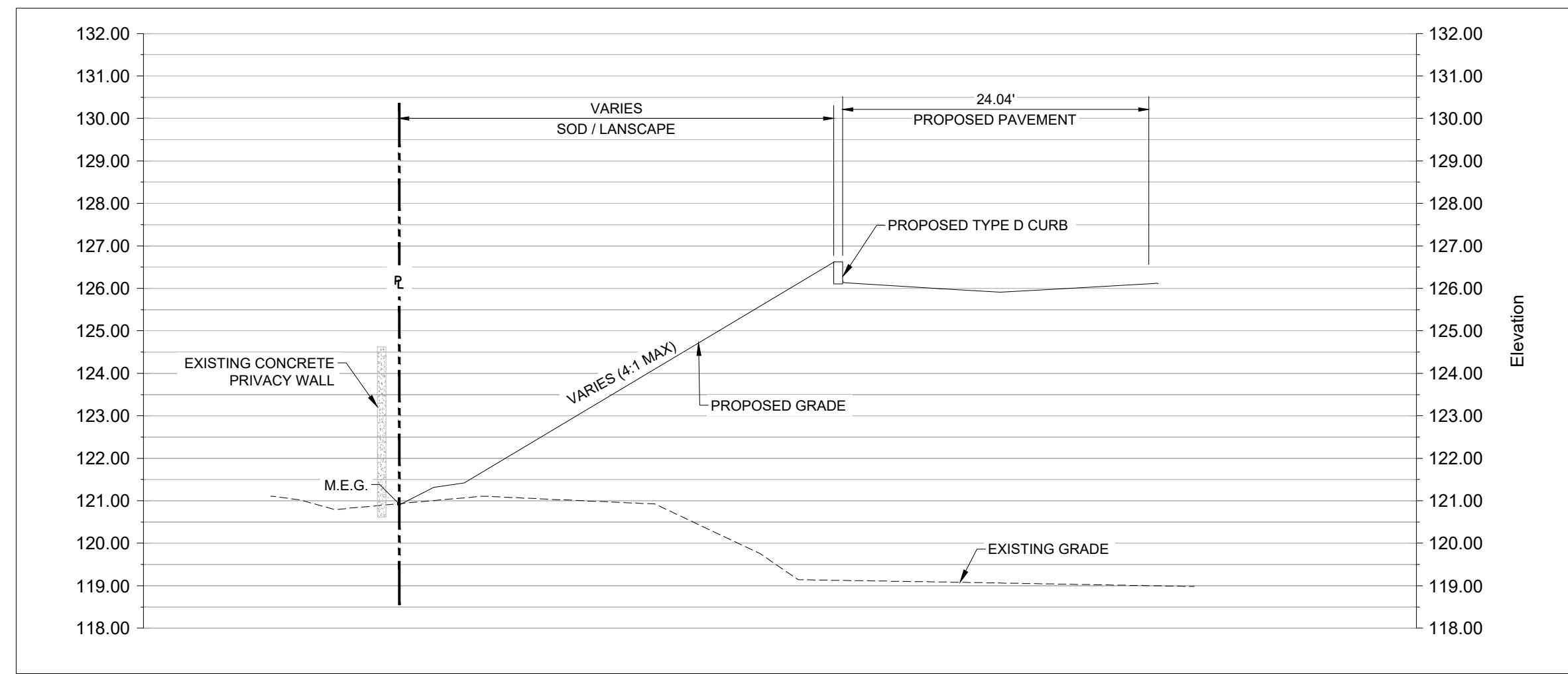
REVISION NO.	DATE	DESCRIPTION
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GRADING CROSS SECTIONS
WMG RETAIL CENTER

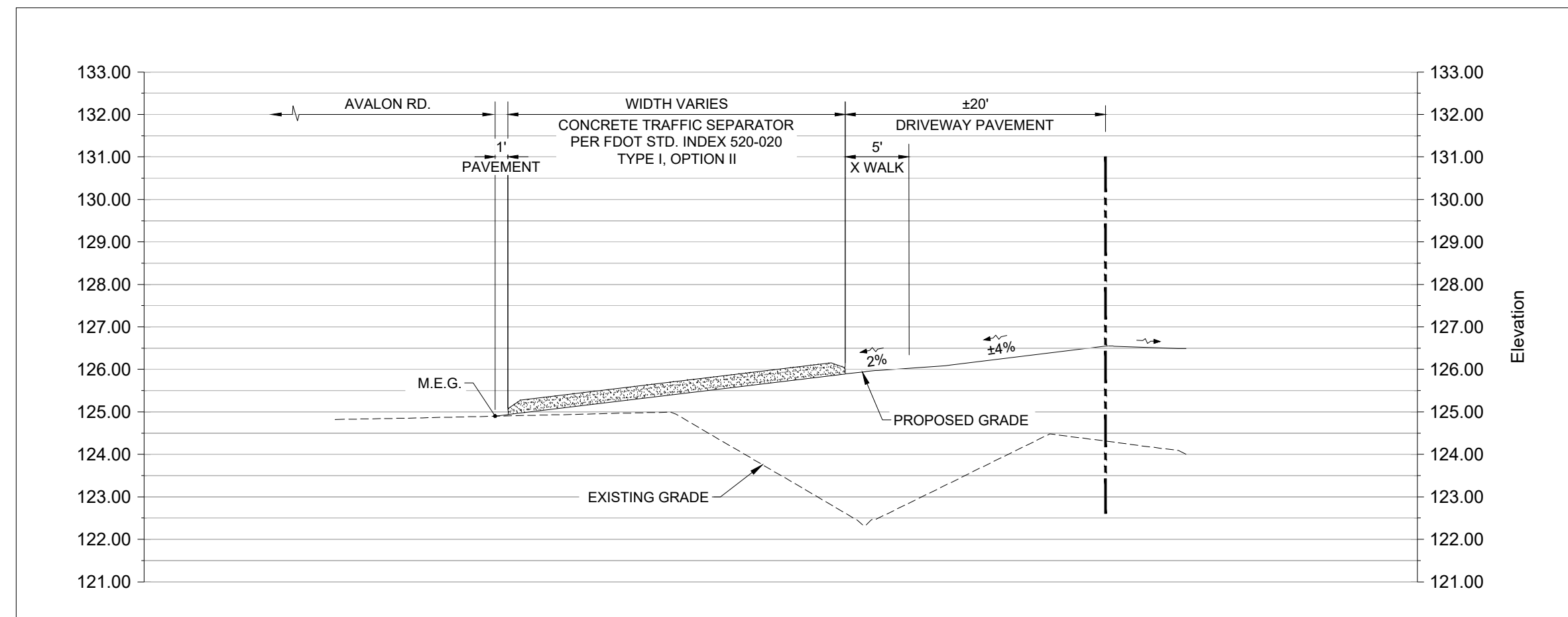
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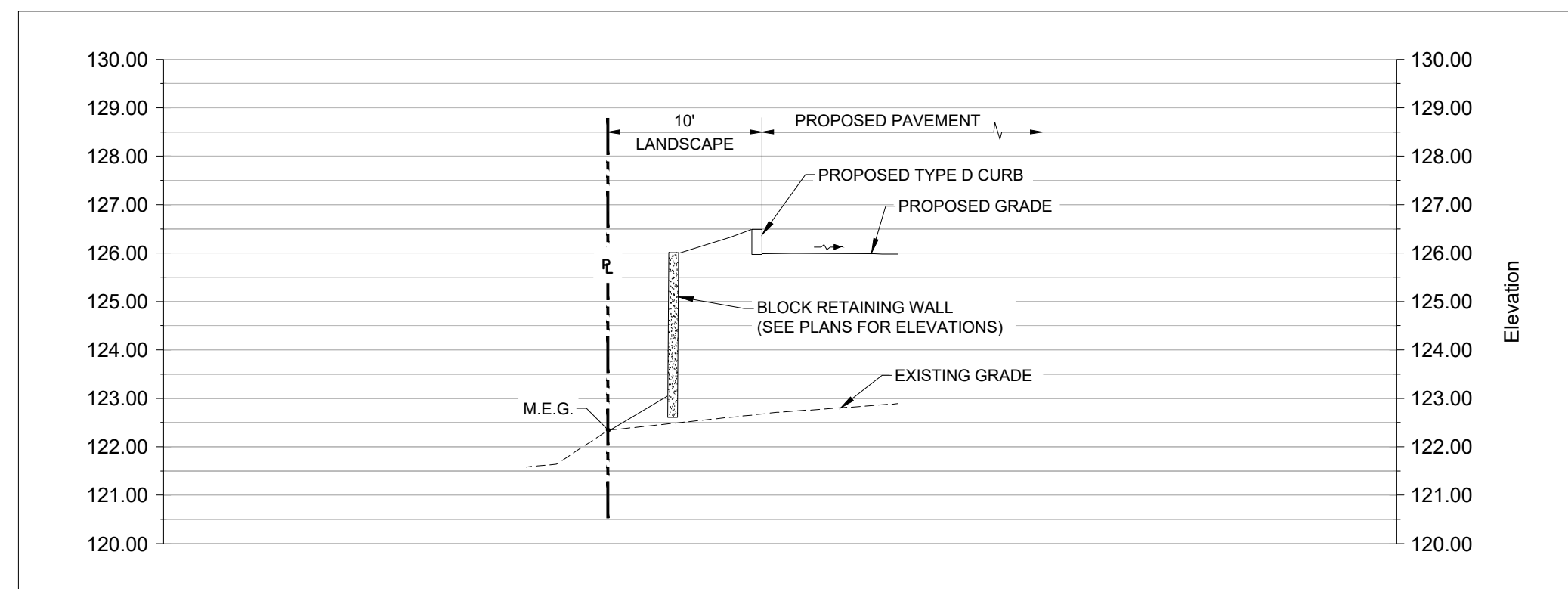
JOB NO: 22-0334.000
DESIGN: D.B.
DRAWN: J.G.
APPROVED: D.B.
SHEET NO: C2.1



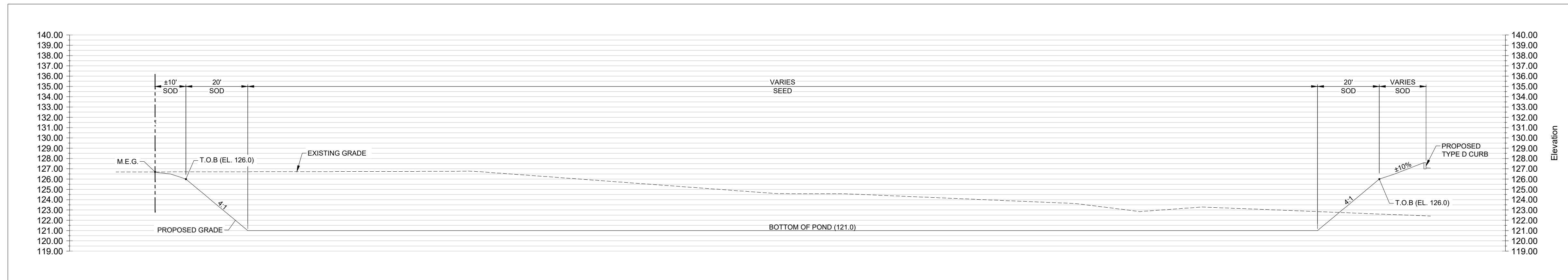
CROSS SECTION A
HORIZONTAL: 1" = 10'
VERTICAL: 1" = 3'



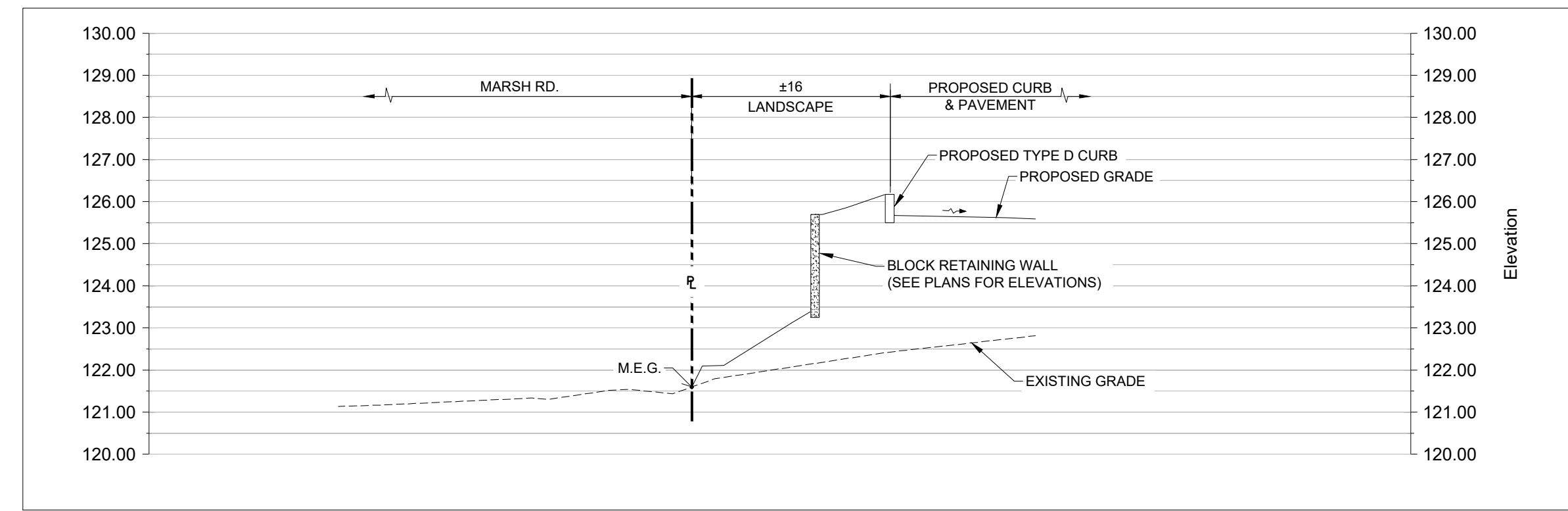
CROSS SECTION B
HORIZONTAL: 1" = 10'
VERTICAL: 1" = 3'



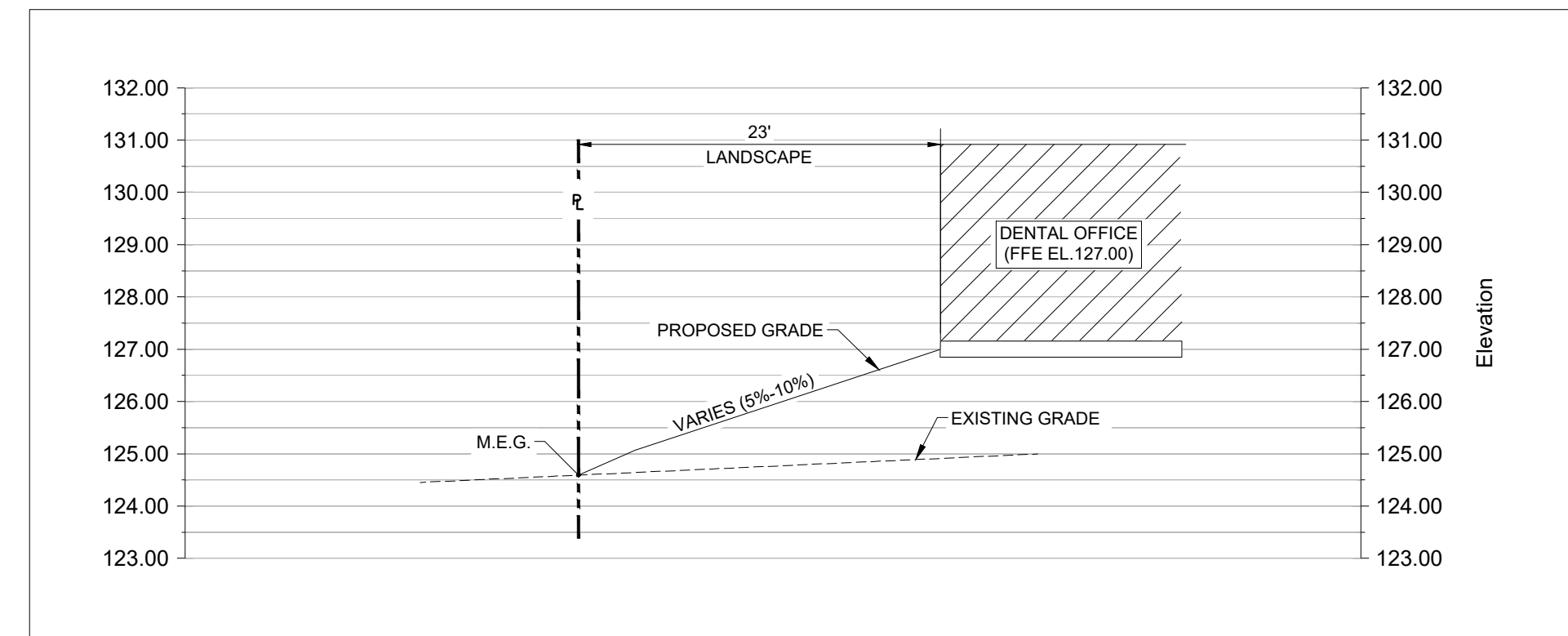
CROSS SECTION C
HORIZONTAL: 1" = 10'
VERTICAL: 1" = 3'



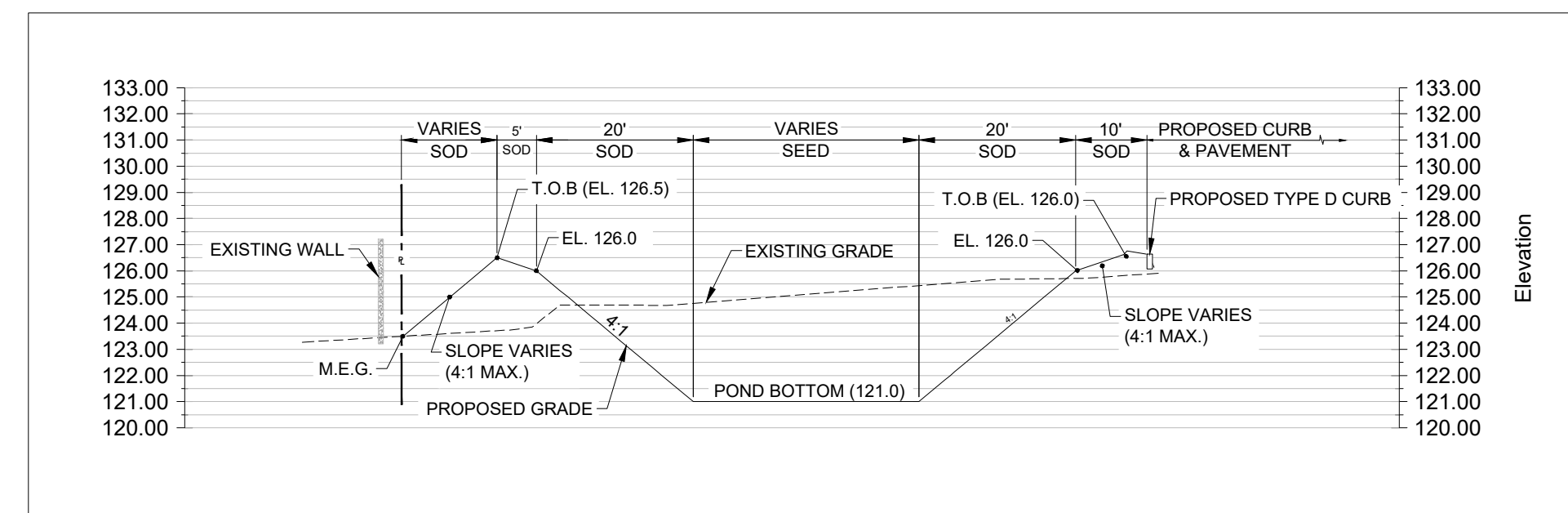
CROSS SECTION G
HORIZONTAL: 1" = 20'
VERTICAL: 1" = 3'



CROSS SECTION D
HORIZONTAL: 1" = 10'
VERTICAL: 1" = 3'

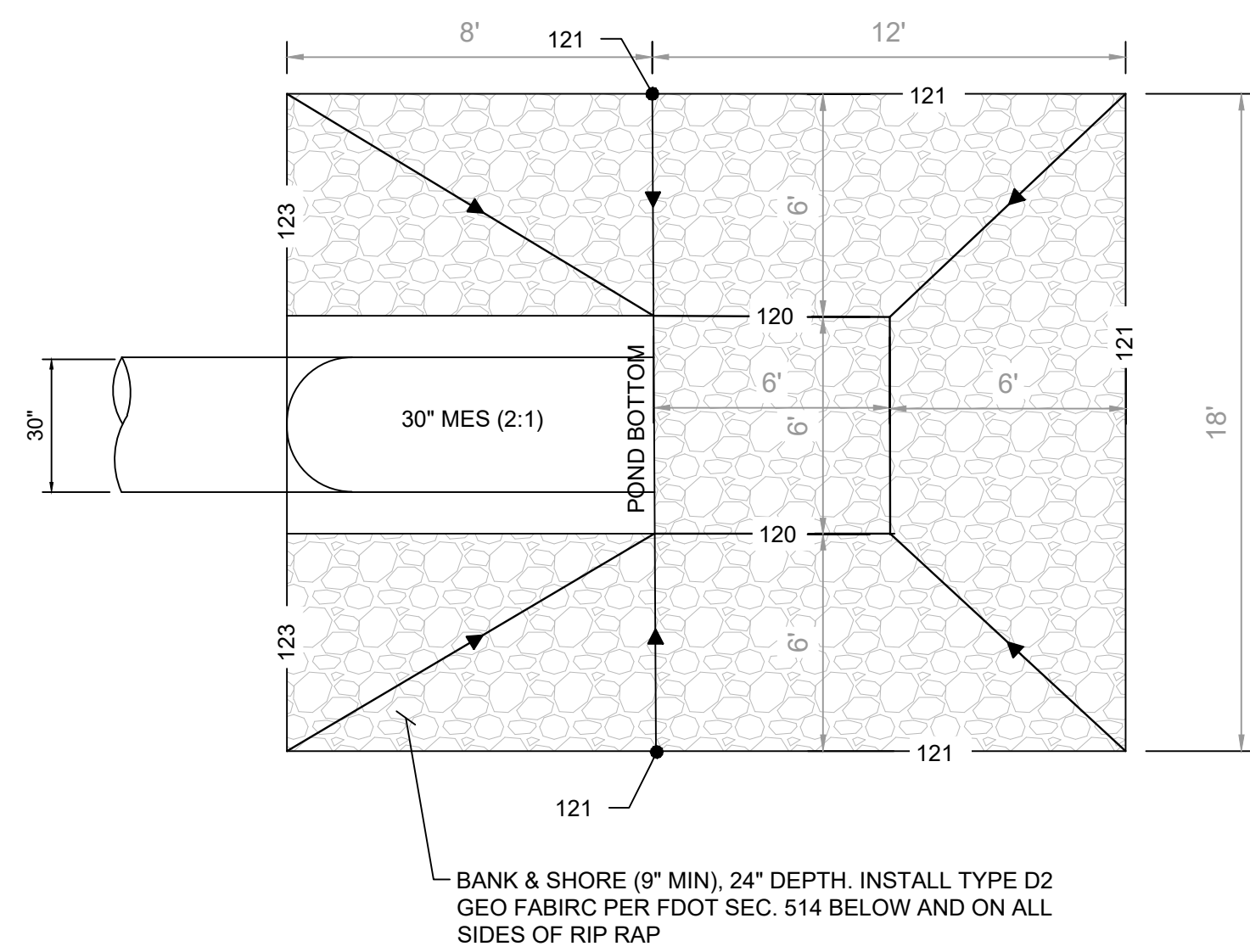


CROSS SECTION E
HORIZONTAL: 1" = 10'
VERTICAL: 1" = 3'

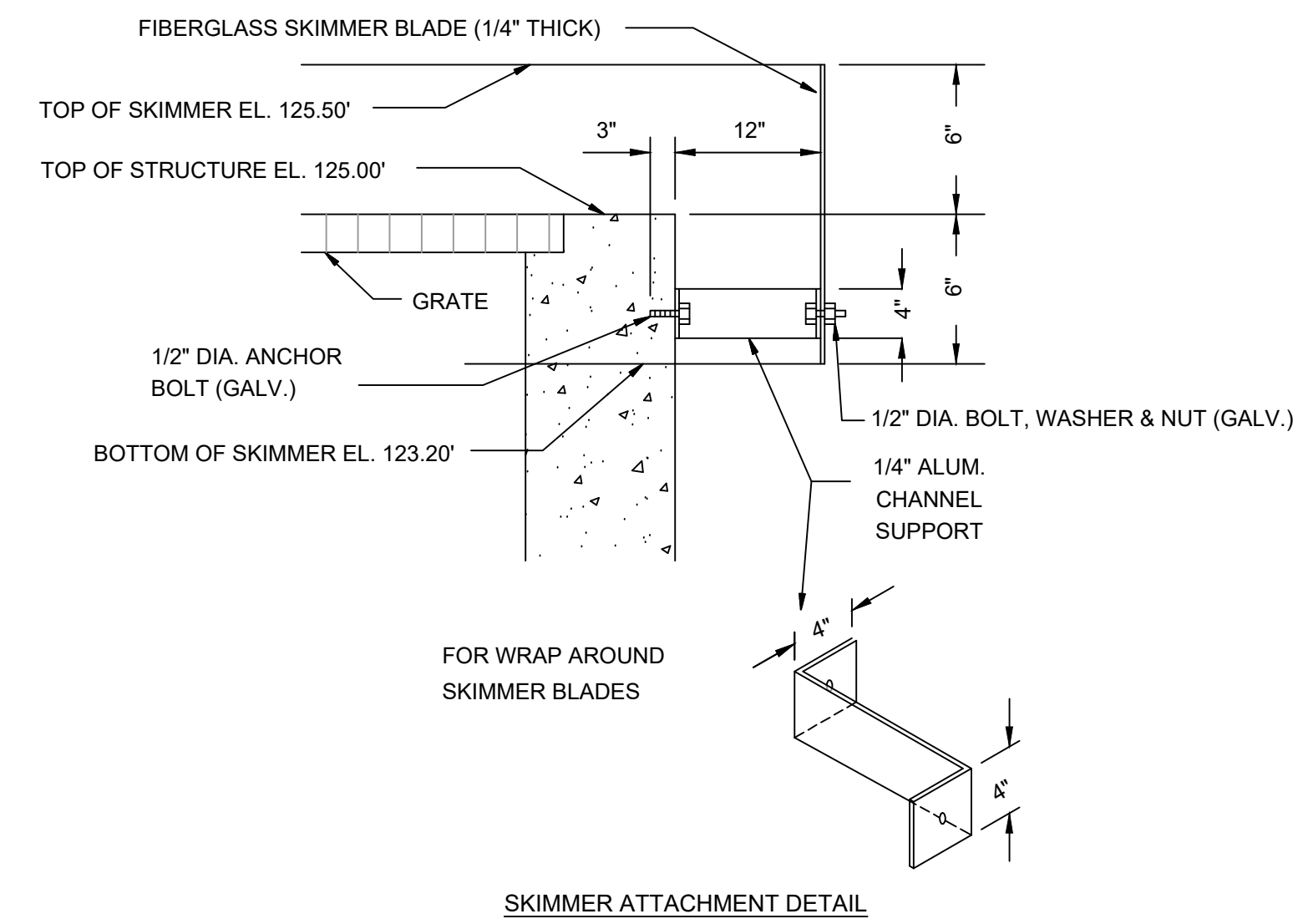


CROSS SECTION F
HORIZONTAL: 1" = 20'
VERTICAL: 1" = 3'

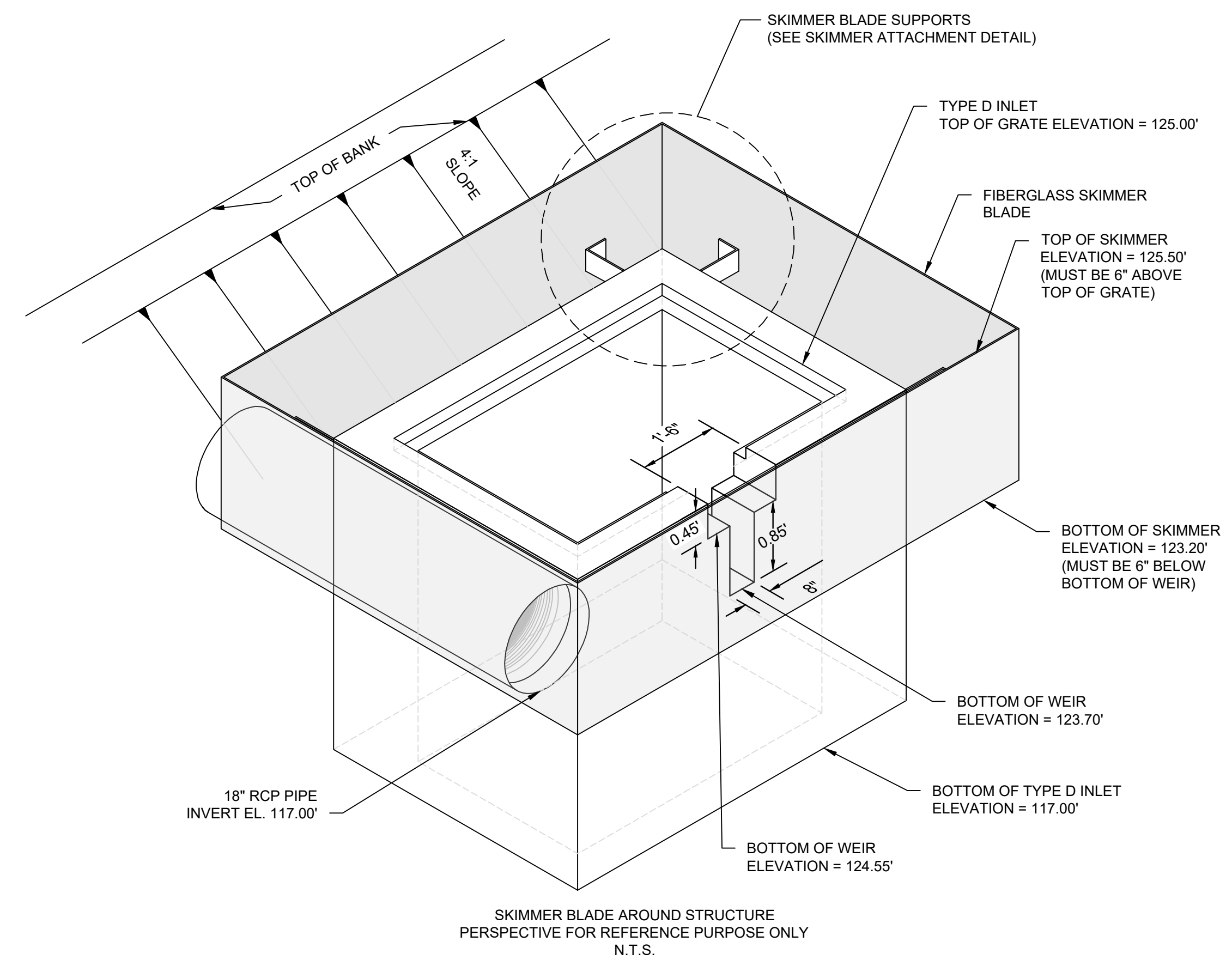
P:\22\0334\000 WMG - WINTER GARDEN\AVALON AND MARSHES\PLANS\CONSTRUCTION\2 - GRADING CROSS SECTIONS.DWG



2 | POND MES SUMP/RIP RAP DETAIL
NTS



SKIMMER ATTACHMENT DETAIL



1 | CS CONTROL STRUCTURE DETAIL
NTS



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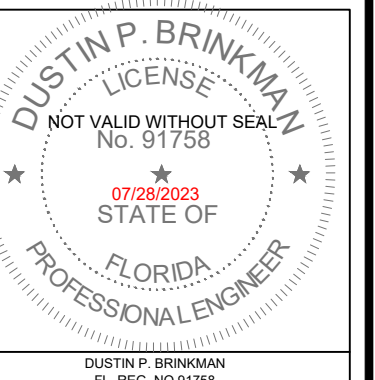
REV. NO.	DATE	DESCRIPTION
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3	07/28/23	FINAL SITE PLAN SUBMITTAL 3
2	06/16/23	FINAL SITE PLAN SUBMITTAL 2
1	05/05/23	FINAL SITE PLAN SUBMITTAL 1

STATUS: **100% BID & CONSTRUCT**

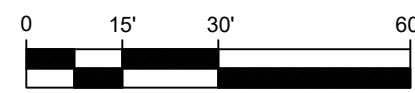
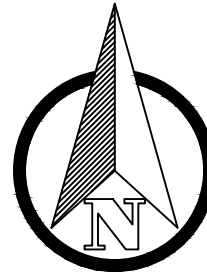
REV. NO.	DATE	DESCRIPTION
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CONTROL STRUCTURE DETAIL	WMG RETAIL CENTER
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CAUTION
0 1/2 1
IF THIS SCALE BAR DOES NOT MEASURE 1" THE DOCUMENT IS NOT TO SCALE



JOB NO.	22-0334.000
DESIGN	D.B.
DRAWN	J.G.
APPROVED	D.B.
SHEET NO.	C2.2



GRAPHIC SCALE
SCALE: 1" = 30'

KEY LEGEND / ABBREVIATIONS	
SYMBOL	DESCRIPTION
[Symbol]	PROPOSED ASPHALT PAVEMENT
[Symbol]	4" PEDESTRIAN CONCRETE PAVEMENT
[Symbol]	6" VEHICULAR CONCRETE PAVEMENT
[Symbol]	PROPERTY BOUNDARY
[Symbol]	RIGHT OF WAY
[Symbol]	PROPOSED STORM DRAIN INLET
[Symbol]	PROPOSED STORM MANHOLE
[Symbol]	PROPOSED SANITARY MANHOLE
[Symbol]	PROPOSED SANITARY SEWER PIPE
[Symbol]	PROPOSED FIRE MAIN
[Symbol]	PROPOSED WATER MAIN
[Symbol]	PROPOSED RECLAIM MAIN
[Symbol]	PROPOSED FIRE HYDRANT
[Symbol]	PROPOSED VALVE
[Symbol]	TOP OF PIPE ELEVATION
WATER METER	
[Symbol]	16" X 8" WET TAP & 8" TAPPING VALVE
[Symbol]	8" PVC DR18 WATER MAIN
[Symbol]	2" PVC SCH.40 WATER SERVICE
[Symbol]	1" PVC SCH.40 WATER SERVICE
[Symbol]	6" PVC DR18 WATER MAIN
[Symbol]	8" TEE
[Symbol]	LINE SIZE 45° BEND
[Symbol]	8" X 6" TEE
[Symbol]	LINE SIZE GATE VALVE

KEY LEGEND / ABBREVIATIONS	
SYMBOL	DESCRIPTION
[Symbol]	8" X 2" STRAP SADDLE
[Symbol]	DIRECTION DRILL FOR 8" WATER MAIN
[Symbol]	2" WATER METER & BACKFLOW PREVENTER
[Symbol]	2" BLOWOFF VALVE
[Symbol]	2" X 1" TEE
[Symbol]	POINT OF DOMESTIC WATER SERVICE (SEE MEP FOR CONT.)
[Symbol]	FIRE HYDRANT ASSEMBLY
[Symbol]	1" WATER METER AND 1 1/2" RPZ
[Symbol]	8" X 1-1/2" STRAP SADDLE
[Symbol]	1-1/2" PVC SCH.40 WATER SERVICE
FIRE SERVICE	
[Symbol]	6" PVC DR14 FIRE MAIN
[Symbol]	6" FREESTANDING FDC
[Symbol]	6" DDCVA
[Symbol]	FIRE PROTECTION POS. FIELD COORDINATE EXACT STUB-UP LOCATION. SEE MEP FOR CONTINUATION.
[Symbol]	LINE SIZE 45° BEND
SANITARY SERVICE	
[Symbol]	6" SANITARY POINT OF SERVICE (SEE MEP FOR CONTINUATION)
[Symbol]	CONNECT TO EXISTING MANHOLE @ INV. EL.: 112.71
[Symbol]	CONTRACTOR SHALL UTILIZE MEAND AND METHODS TO INSTALL STEEL CASING BELOW EXISTING WALL AND SHALL HAND EXCAVATE NEAR MANHOLE TO MAKE FINAL CONNECTION.
RECLAIM WATER SERVICE	
[Symbol]	12" X 2" WET TAP WITH BACKFLOW DEVICE AND METER
[Symbol]	1" RECLAIM METER
[Symbol]	1-1/2" RPZ & SERVICE TO SITE. REFER TO IRRIGATION FOR CONTINUATION.
[Symbol]	2" RPZ & SERVICE TO SITE. REFER TO IRRIGATION FOR CONTINUATION.

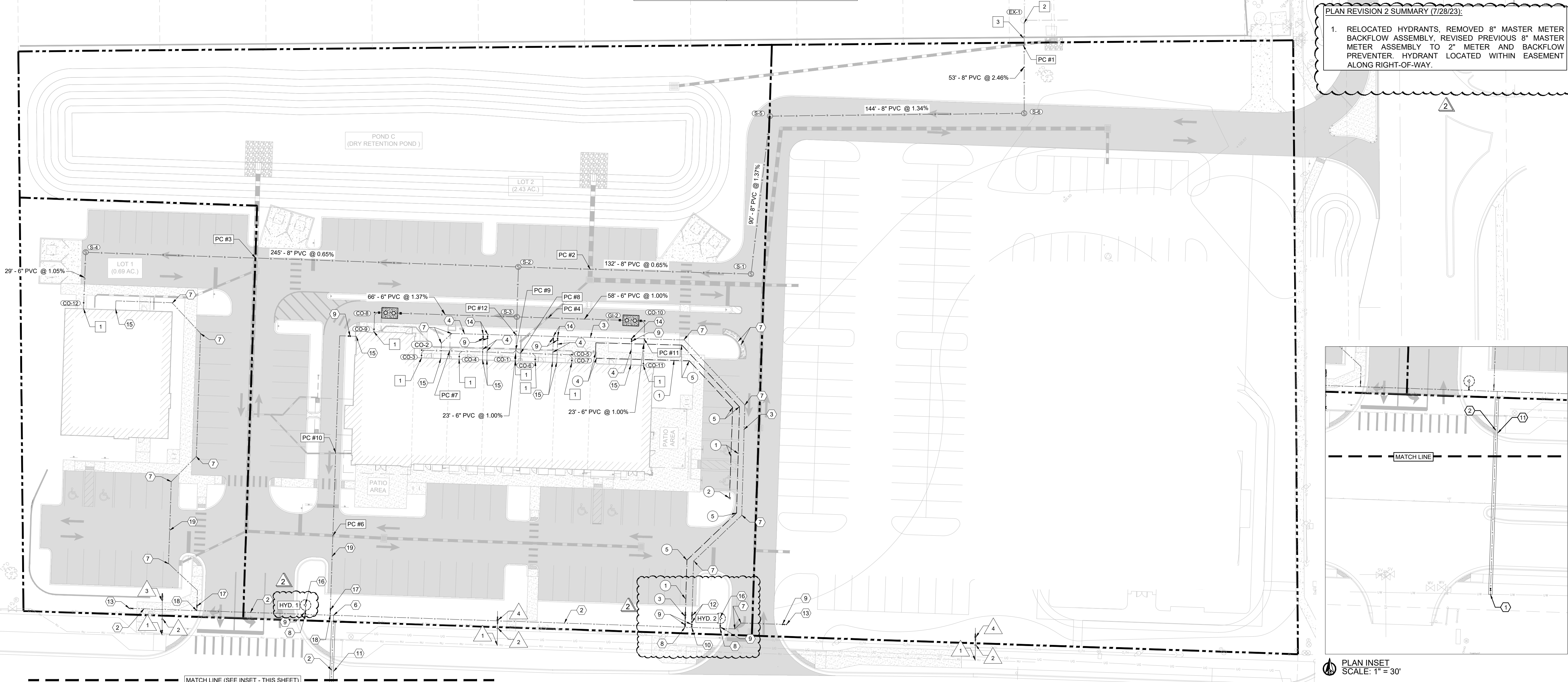
SANITARY STRUCTURE TABLE	
STRUCTURE NAME	STRUCTURE DETAILS
EX-1	EXISTING MANHOLE RIM = 122.93 8" S INV IN = 111.90 8" N INV IN = 111.17 (EXIS.) 8" E INV OUT = 110.00 (EXIS.)
GI-1	1,250 GAL GREASE TRAP (SEE PLUMBING FOR SIZING) RIM = 126.37 6" W INV IN = 120.50 6" E INV OUT = 120.25
GI-2	1,250 GAL GREASE TRAP (SEE PLUMBING FOR SIZING) RIM = 125.87 6" E INV IN = 120.25 6" W INV OUT = 120.00
S-1	SANITARY MANHOLE - P BOTTOM RIM = 126.14 8" W INV IN = 116.65 8" N INV OUT = 116.55
S-2	SANITARY MANHOLE - P BOTTOM RIM = 125.78 8" W INV IN = 117.60 8" S INV IN = 117.60 8" E INV OUT = 117.50
S-3	SANITARY MANHOLE - P BOTTOM RIM = 125.93 6" S INV IN = 119.30 6" W INV IN = 119.30 6" E INV IN = 119.30 8" N INV OUT = 118.00
S-4	SANITARY MANHOLE - P BOTTOM RIM = 126.35 6" S INV IN = 120.70 8" E INV OUT = 119.20
S-5	SANITARY MANHOLE - P BOTTOM RIM = 127.16 8" S INV IN = 115.32 8" E INV OUT = 115.22
S-6	SANITARY MANHOLE - P BOTTOM RIM = 126.10 8" W INV IN = 113.29 8" N INV OUT = 113.19

SEWER CLEANOUT TABLE	
TAG	CLEANOUT DETAILS
CO-1	6" GRADE CLEANOUT RIM = 126.97 N: 1521744.25 E: 456488.99 4" S INV = 123.00 6" N INV = 119.53
CO-2	6" GRADE CLEANOUT RIM = 126.93 N: 1521746.92 E: 456435.97 4" S INV = 123.00 6" N INV = 120.02
CO-3	6" GRADE CLEANOUT RIM = 126.97 N: 1521743.86 E: 456435.88 4" N INV = 120.50
CO-4	6" GRADE CLEANOUT RIM = 126.97 N: 1521743.22 E: 456457.15 4" S INV = 123.00 4" N INV = 120.00

SEWER CLEANOUT TABLE	
TAG	CLEANOUT DETAILS
CO-5	6" GRADE CLEANOUT RIM = 126.99 N: 1521744.25 E: 456520.83 4" S INV = 123.00 6" W INV = 119.80
CO-6	6" GRADE CLEANOUT RIM = 126.98 N: 1521741.67 E: 456500.05 4" S INV = 123.00 4" N INV = 120.00
CO-7	6" GRADE CLEANOUT RIM = 126.98 N: 1521740.98 E: 456520.73 4" S INV = 123.00 4" N INV = 120.00
CO-8	6" GRADE CLEANOUT RIM = 126.35 N: 1521768.14 E: 456409.29 6" E INV = 120.63

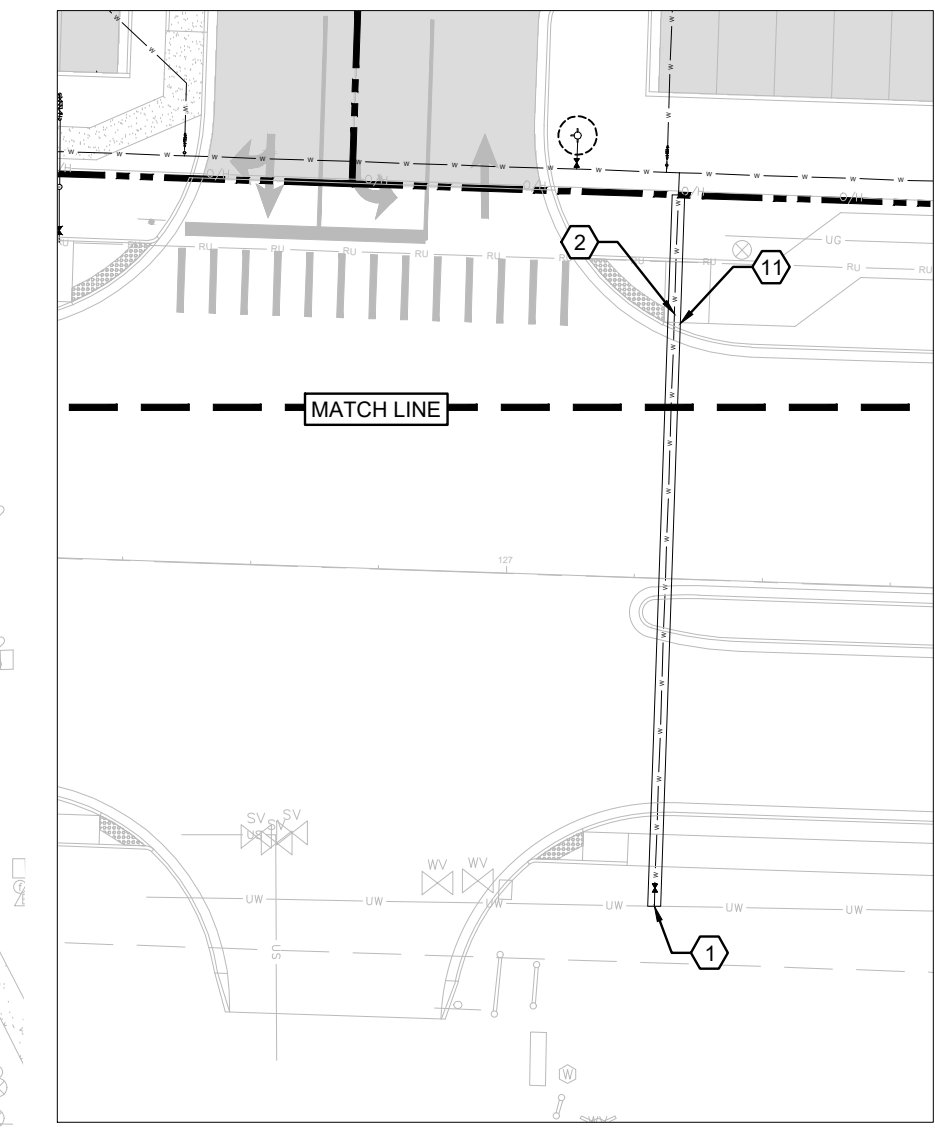
SEWER CLEANOUT TABLE	
TAG	CLEANOUT DETAILS
CO-9	6" GRADE CLEANOUT RIM = 126.98 N: 1521758.85 E: 456409.00 6" S INV = 123.00 6" N INV = 120.70
CO-10	6" GRADE CLEANOUT RIM = 125.95 N: 1521763.36 E: 456561.92 6" W INV = 120.32
CO-11	6" GRADE CLEANOUT RIM = 126.98 N: 1521739.34 E: 456561.17 6" S INV = 123.00 6" N INV = 120.55
CO-12	6" GRADE CLEANOUT RIM = 126.97 N: 1521773.59 E: 456245.02 4" S INV = 121.00 6" N INV = 121.00

PIPE CROSSINGS TABLE												
PIPE CROSSING NO.	PIPE 1 (HIGHER PIPE)				PIPE 2 (LOWER PIPE)				SEP. (ft)	GRADE ELEVATION	PIPE 1 COVER (ft)	PIPE 2 COVER (ft)
	TYPE	SIZE (in)	TOP. (ft)	BOT. (ft)	TYPE	SIZE (in)	TOP. (ft)	BOT. (ft)				
PC#1	STORM	18	117.81	116.31	SANITARY	8	113.48	112.81	2.83	121.17	3.36	7.69
PC#2	STORM	30	122.62	120.12	SANITARY	8	117.93	117.26	2.19	125.48	2.66	7.55
PC#3	STORM	30	122.62	120.12	SANITARY	8	119.26	118.59	0.86	125.30	2.68	6.04
PC#4	STORM	12	121.69	120.69	SANITARY	6	119.94	119.44	0.75	125.85	4.16	5.91
PC#5	STORM	24	122.38	120.38	WATER	8	119.38	118.71	1.00	125.50	3.12	6.12
PC#6	STORM	18	121.99	120.49	WATER	8	119.49	118.82	1.00	125.43	3.44	5.94
PC#7	STORM	6	121.84	121.34	SANITARY	6	120.39	119.89	0.95	126.91	5.07	6.52
PC#8	STORM	6	120.01	120.91	SANITARY	6	120.01	119.51	0.90	126.91	5.50	6.90
PC#9	STORM	6	121.41	120.91	SANITARY	6	119.94	119.44	0.97	126.81	5.40	6.87
PC#10	WATER	1.5	122.52	122.39	STORM	6	121.39	120.89	1.00	126.01	3.50	4.62
PC#11	WATER	2	123.62	123.45	SANITARY	6	120.68	120.18	2.77	126.62	3.00	5.94
PC#12	WATER	2	123.17	123.00	SANITARY	6	119.40	120.89	3.60	126.17	3.00	6.77



PLAN REVISION 2 SUMMARY (7/28/23):

1. RELOCATED HYDRANTS, REMOVED 8" MASTER METER BACKFLOW ASSEMBLY, REVISED PREVIOUS 8" MASTER METER ASSEMBLY TO 2" METER AND BACKFLOW PREVENTER. HYDRANT LOCATED WITHIN EASEMENT ALONG RIGHT-OF-WAY.



PLAN INSET
SCALE: 1" = 30'



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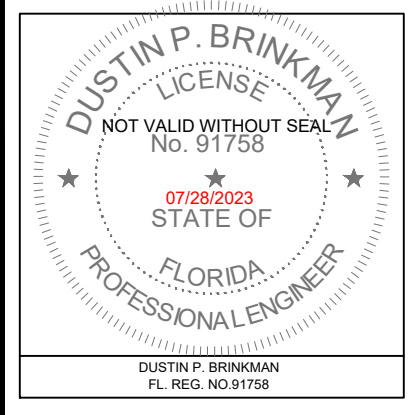
NO.	DATE	DESCRIPTION
1	05/05/23	FINAL SITE PLAN SUBMITTAL 1
2	06/16/23	FINAL SITE PLAN SUBMITTAL 2
3	07/28/23	FINAL SITE PLAN SUBMITTAL 3

STATUS: 100% BID & CONSTRUCT

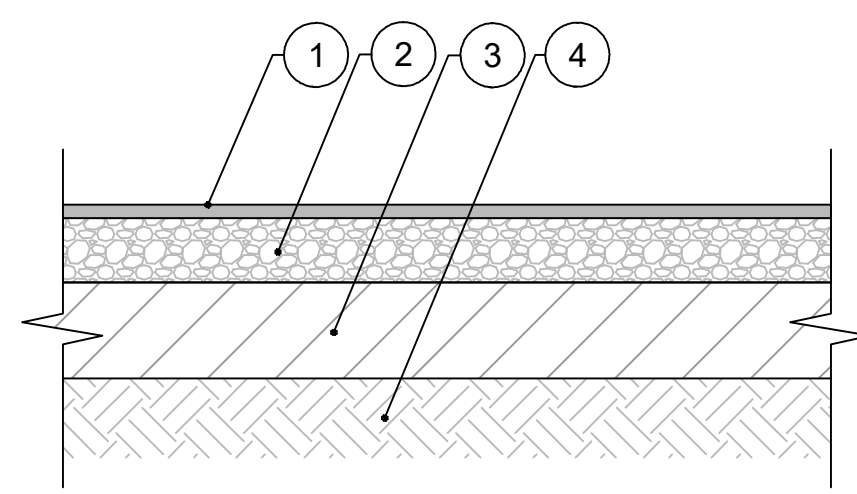
NO.	DATE	DESCRIPTION
1	06/16/23	REVISED TO ADDRESS DRC COMMENTS
2	07/28/23	REVISED TO ADDRESS DRC COMMENTS
3	08/16/23	REVISED TO ADDRESS DRC COMMENTS

UTILITY PLAN
WMG RETAIL CENTER

CAUTION
0 1/2 1
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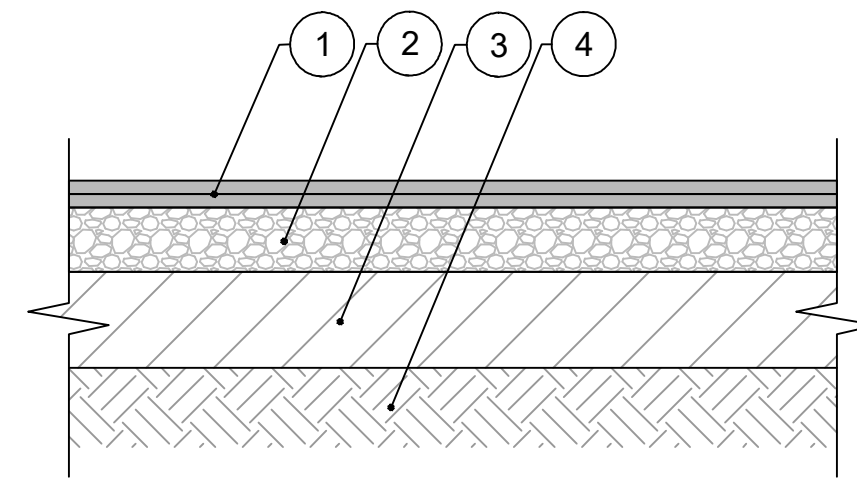


JOB NO.	22-0334.000
DESIGN	D.B.
DRAWN	J.G.
APPROVED	D.B.
SHEET NO.	C3.0



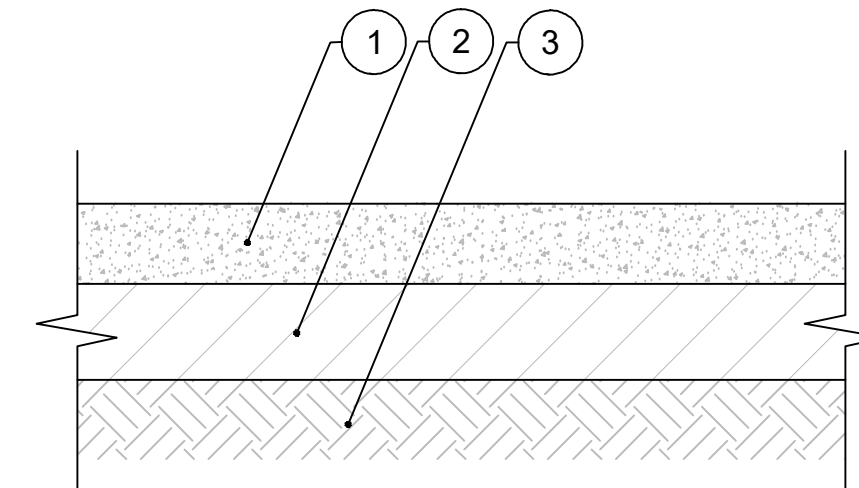
- 1 1.5" TYPE SP9.5 (SINGLE LIFT) ASPHALT PAVEMENT TO BE COMPACTED TO A MINIMUM OF 95% OF THE DESIGN MIX DENSITY. SEE PLANS FOR SLOPE.
- 2 6" CRUSHED CONCRETE BASE PER FDOT SPECIFICATION SECTION 911 - SHALL HAVE A MINIMUM LBR VALUE OF 150 AND BE COMPACTED TO A MINIMUM OF 98% OF THE MAXIMUM DRY DENSITY OF THE MODIFIED PROCTOR TEST. PRIMER SHALL BE APPLIED AFTER THE COMPACTION AND LBR CRITERIA HAS BEEN MET.
- 3 12" STABILIZED SUBGRADE SHALL BE STABILIZED TO A MINIMUM LBR VALUE OF 40 AND SHALL BE COMPACTED TO AT LEAST 98% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY. SUBGRADE SOILS TO CONSIST OF CLEAN, FREE DRAINING SANDS WITH A FINES CONTENT PASSING A NO. 200 SIEVE OF 7% OR LESS.
- 4 EXISTING GRADE SOILS.

1A | LIGHT DUTY ASPHALT PAVEMENT DETAIL
NTS



- 1 2" TYPE SP9.5 (TWO 1" LIFTS) ASPHALT PAVEMENT TO BE COMPACTED TO A MINIMUM OF 95% OF THE DESIGN MIX DENSITY. SEE PLANS FOR SLOPE.
- 2 8" CRUSHED CONCRETE BASE PER FDOT SPECIFICATION SECTION 911 - SHALL HAVE A MINIMUM LBR VALUE OF 150 AND BE COMPACTED TO A MINIMUM OF 98% OF THE MAXIMUM DRY DENSITY OF THE MODIFIED PROCTOR TEST. PRIMER SHALL BE APPLIED AFTER THE COMPACTION AND LBR CRITERIA HAS BEEN MET.
- 3 12" STABILIZED SUBGRADE SHALL BE STABILIZED TO A MINIMUM LBR VALUE OF 40 AND SHALL BE COMPACTED TO AT LEAST 98% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY. SUBGRADE SOILS TO CONSIST OF CLEAN, FREE DRAINING SANDS WITH A FINES CONTENT PASSING A NO. 200 SIEVE OF 7% OR LESS.
- 4 EXISTING GRADE SOILS.

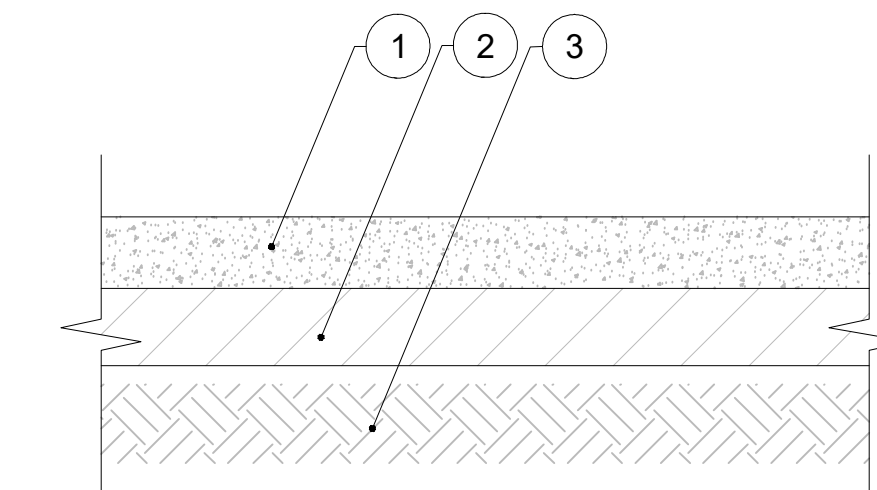
1B | HEAVY DUTY ASPHALT PAVEMENT DETAIL
NTS



- 1 6" THICK FIBERMESH CONCRETE TO BE A MINIMUM OF 4,000 PSI AT 28 DAYS FOR VEHICULAR AREAS.
- 2 12" STABILIZED SUBGRADE COMPACTED TO AT LEAST 98% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY (AASHTO T-180 OR ASTM D-1557). SUBGRADE SOILS TO CONSIST OF CLEAN, FREE DRAINING SANDS WITH A FINES CONTENT PASSING A NO. 200 SIEVE OF 5% OR LESS.
- 3 EXISTING GRADE SOILS.

NOTE:
1. ALL CONCRETE JOINT SECTIONS SHOULD BE SQUARE OR NEARLY SO. UNDER NO CIRCUMSTANCES SHOULD THE LENGTH EXCEED 1.5 TIMES THE WIDTH.
2. REFER TO CONTROL & EXPANSION JOINT DETAILS FOR ADDITIONAL REQUIREMENTS.

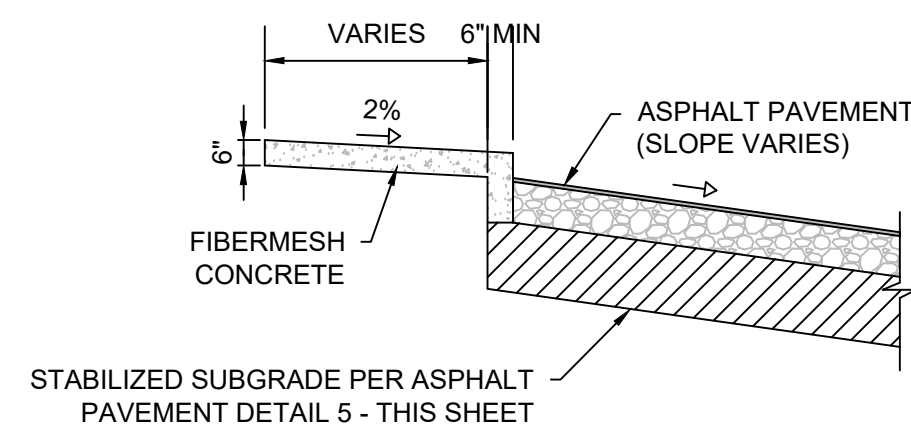
2 | VEHICULAR USE CONCRETE PAVEMENT DETAIL
NTS



- 1 4" THICK FIBERMESH CONCRETE AND SHALL BE DESIGNED TO A MINIMUM OF 2,500 PSI AT 28 DAYS.
- 2 6" THICK STABILIZED SUBGRADE COMPACTED TO AT LEAST 95% MAXIMUM DRY DENSITY (AASHTO T-180 OR ASTM D-1557). SUBGRADE SOILS TO CONSIST OF CLEAN, FREE DRAINING SANDS.
- 3 EXISTING GRADE SOILS.

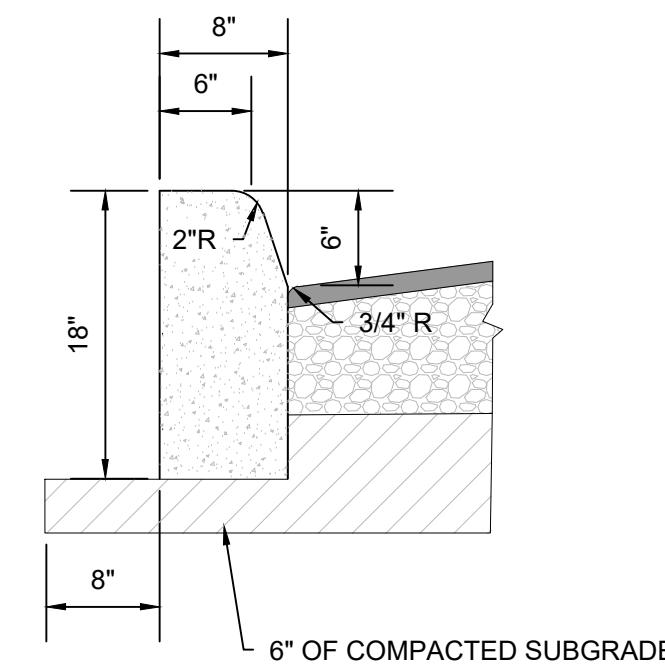
NOTES:
1. WHEN APPLICABLE AT RUNNING SIDEWALKS, INSTALL CONTROL JOINTS EVERY 5' AND EXPANSION JOINTS EVERY 15'.
2. ALL CONCRETE JOINT SECTIONS SHOULD BE SQUARE OR NEARLY SO. UNDER NO CIRCUMSTANCES SHOULD THE LENGTH EXCEED 1.5 TIMES THE WIDTH.
3. REFER TO CONTROL & EXPANSION JOINT DETAILS FOR ADDITIONAL REQUIREMENTS.

3 | NON-VEHICULAR USE CONCRETE PAVEMENT DETAIL
NTS



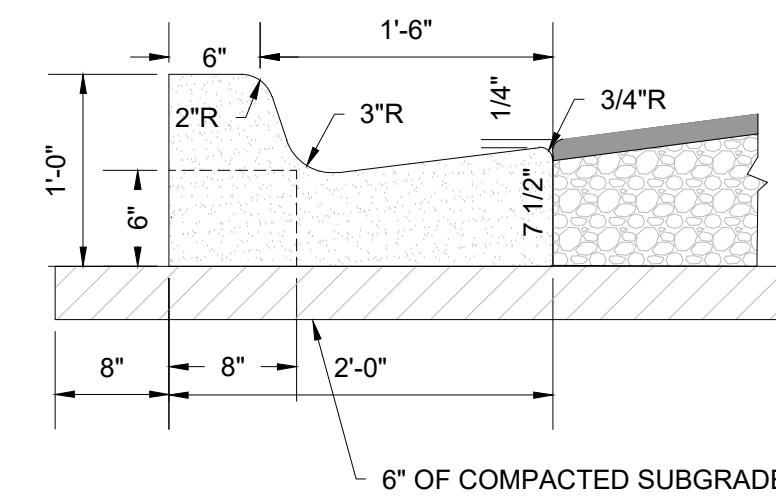
NOTES:
1. SEE CONCRETE AND ASPHALT SECTIONS FOR DEPTH, MATERIAL, AND STRENGTH REQUIREMENTS
2. SIDEWALK JOINTS SHALL BE INSTALLED IN ACCORDANCE WITH FDOT STANDARD PLAN INDEX 522-001.

4 | RAISED CONCRETE SIDEWALK DETAIL
NTS



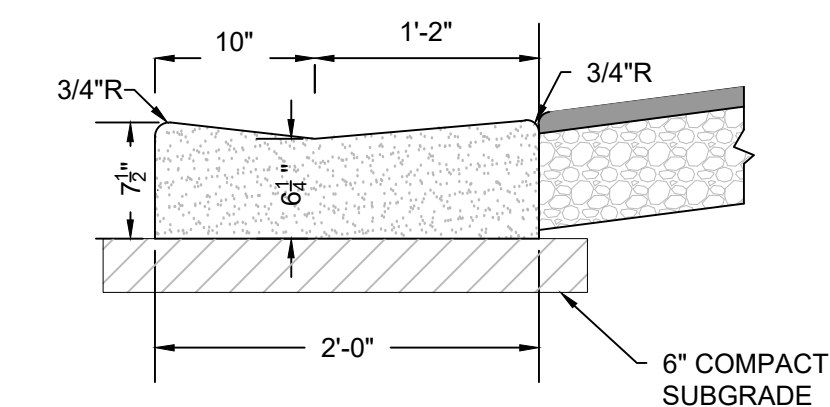
NOTE: WHERE CURB ABUTS CONCRETE PAVEMENT, INSTALL 1/2" EXPANSION JOINT WITH PREFORMED FILLER, WITH JOINT SEAL AT THE SURFACE.

5 | TYPE D CURB (FDOT STANDARD PLANS INDEX 520-001)
NTS



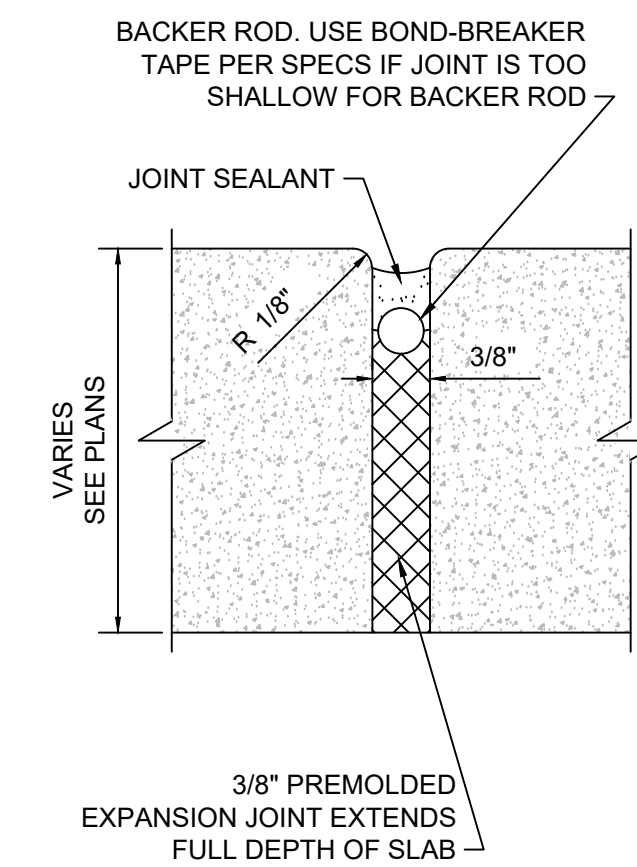
NOTE: WHERE CURB ABUTS CONCRETE PAVEMENT, INSTALL 1/2" EXPANSION JOINT WITH PREFORMED FILLER, WITH JOINT SEAL AT THE SURFACE.

6 | TYPE F CURB DETAIL
NTS

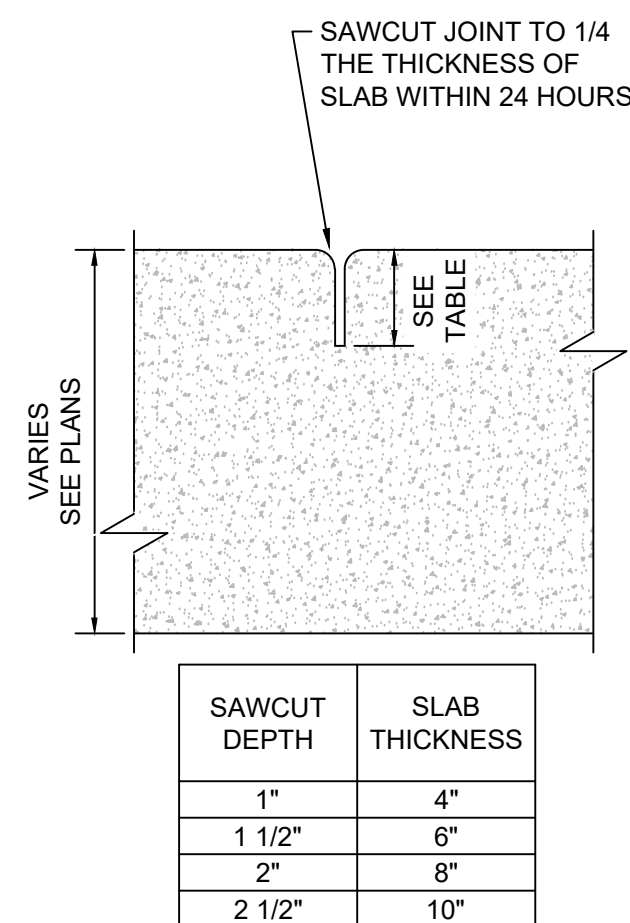


NOTE: WHERE CURB ABUTS CONCRETE PAVEMENT, INSTALL 1/2" EXPANSION JOINT WITH PREFORMED FILLER, WITH JOINT SEAL AT THE SURFACE.

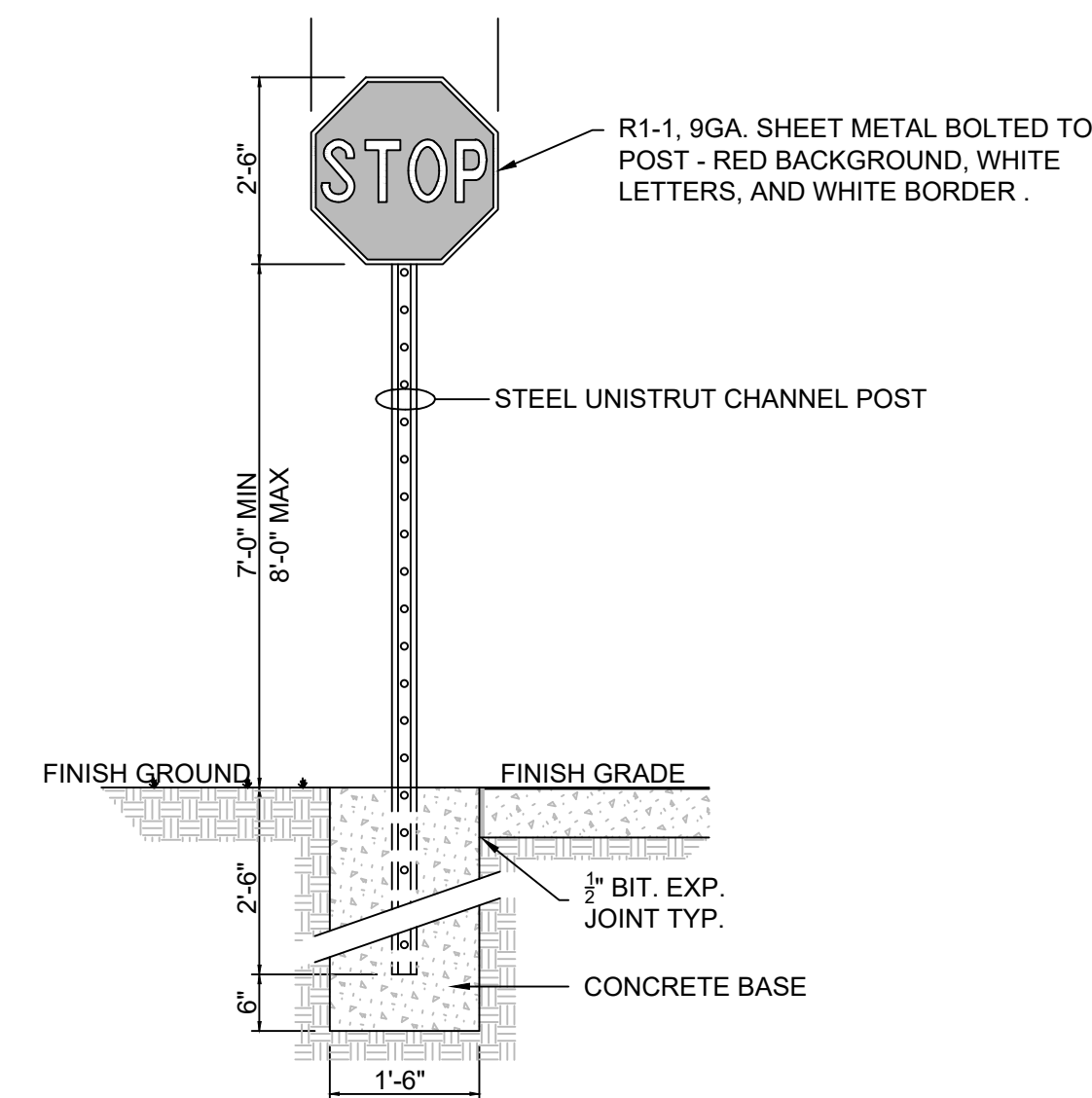
7 | DROP CURB DETAIL
NTS



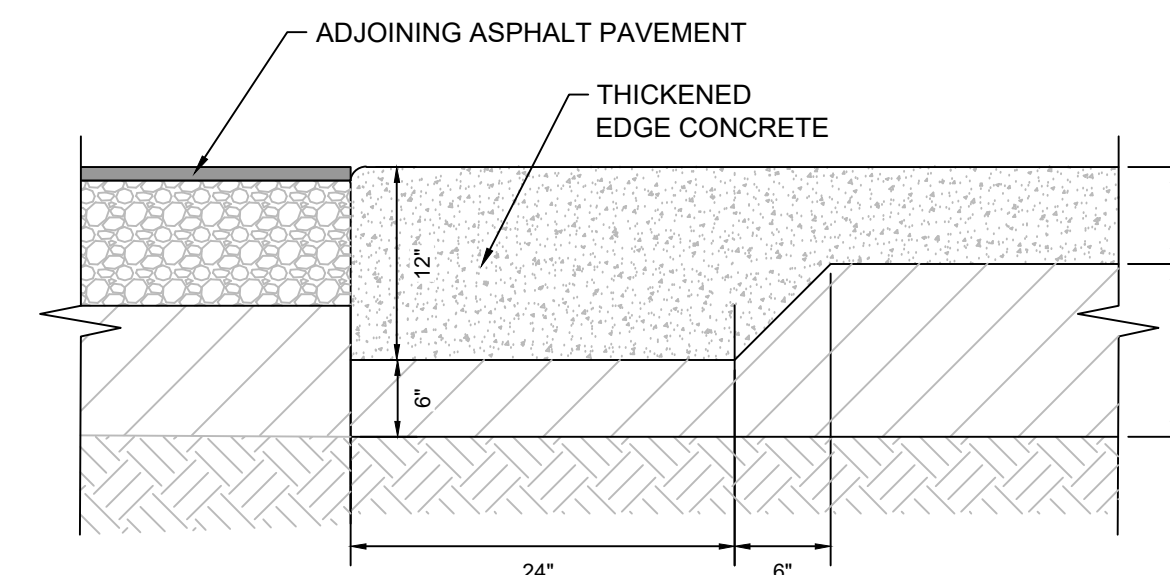
8 | EXPANSION JOINT DETAIL
NTS



9 | CONTROL JOINT DETAIL
NTS

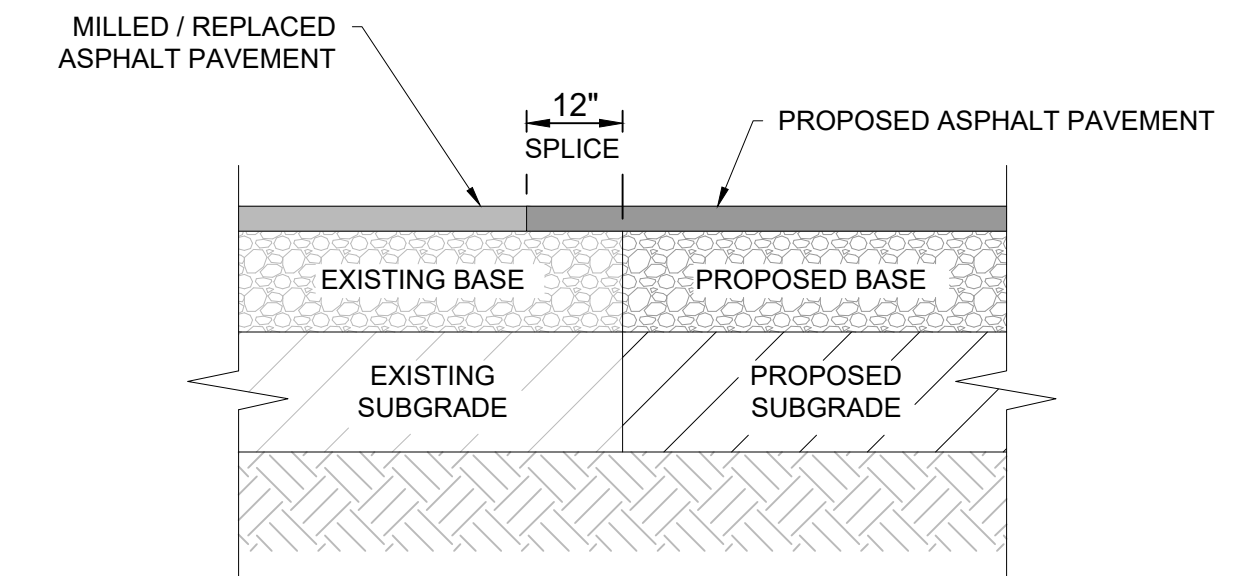


10 | STOP SIGN DETAIL
NTS



NOTE:
1. FLUSH THICKENED EDGE SHALL BE UTILIZED AT ALL LOCATIONS WHERE CONCRETE ABUTS FLUSH ASPHALT PAVEMENT.
2. SEE ASPHALT AND CONCRETE PAVEMENT DETAILS FOR MATERIAL SPECIFICATIONS.

11 | THICKENED EDGE CONCRETE DETAIL
NTS



NOTES:
1. PROVIDE ASPHALT SPLICE AT ALL TRANSITIONS BETWEEN NEW AND EXISTING PAVEMENT SECTIONS.
2. 12-INCH MINIMUM ASPHALT REMOVAL, MAY VARY AT THE DISCRETION OF THE OWNER'S REPRESENTATIVE (MORE BUT NOT LESS THAN 12 INCHES).
3. RESTORE EXISTING BASE TO ORIGINAL CONDITION OR BETTER.

12 | ASPHALT PAVEMENT SPLICE DETAIL
NTS



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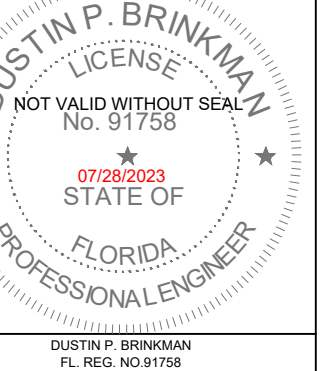
NO.	DATE	DESCRIPTION
8		
7		
6		
5		
4		
3	07/28/23	FINAL SITE PLAN SUBMITTAL 3
2	06/16/23	FINAL SITE PLAN SUBMITTAL 2
1	05/05/23	FINAL SITE PLAN SUBMITTAL 1

STATUS: 100% BID & CONSTRUCT

NO.	DATE	DESCRIPTION
10		
9		
8		
7		
6		
5		
4		
3		
2		
1		

GENERAL DETAILS
WMG RETAIL CENTER

CAUTION
0 1/2 1
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JOB NO: 22-0334.000
DESIGN: D.B.
DRAWN: J.G.
APPROVED: D.B.
SHEET NO: C4.0



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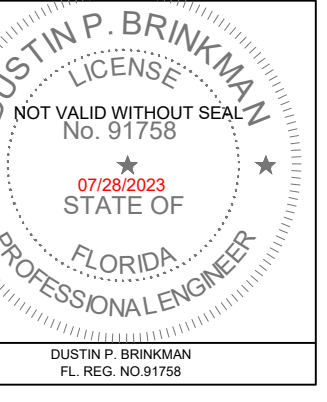
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REVISION NO.	8	DATE	
REVISION NO.	7	DATE	
REVISION NO.	6	DATE	
REVISION NO.	5	DATE	
REVISION NO.	4	DATE	
REVISION NO.	3	07/28/23	FINAL SITE PLAN SUBMITTAL 3
REVISION NO.	2	06/16/23	FINAL SITE PLAN SUBMITTAL 2
REVISION NO.	1	05/05/23	FINAL SITE PLAN SUBMITTAL 1
STATUS:			100% BID & CONSTRUCT

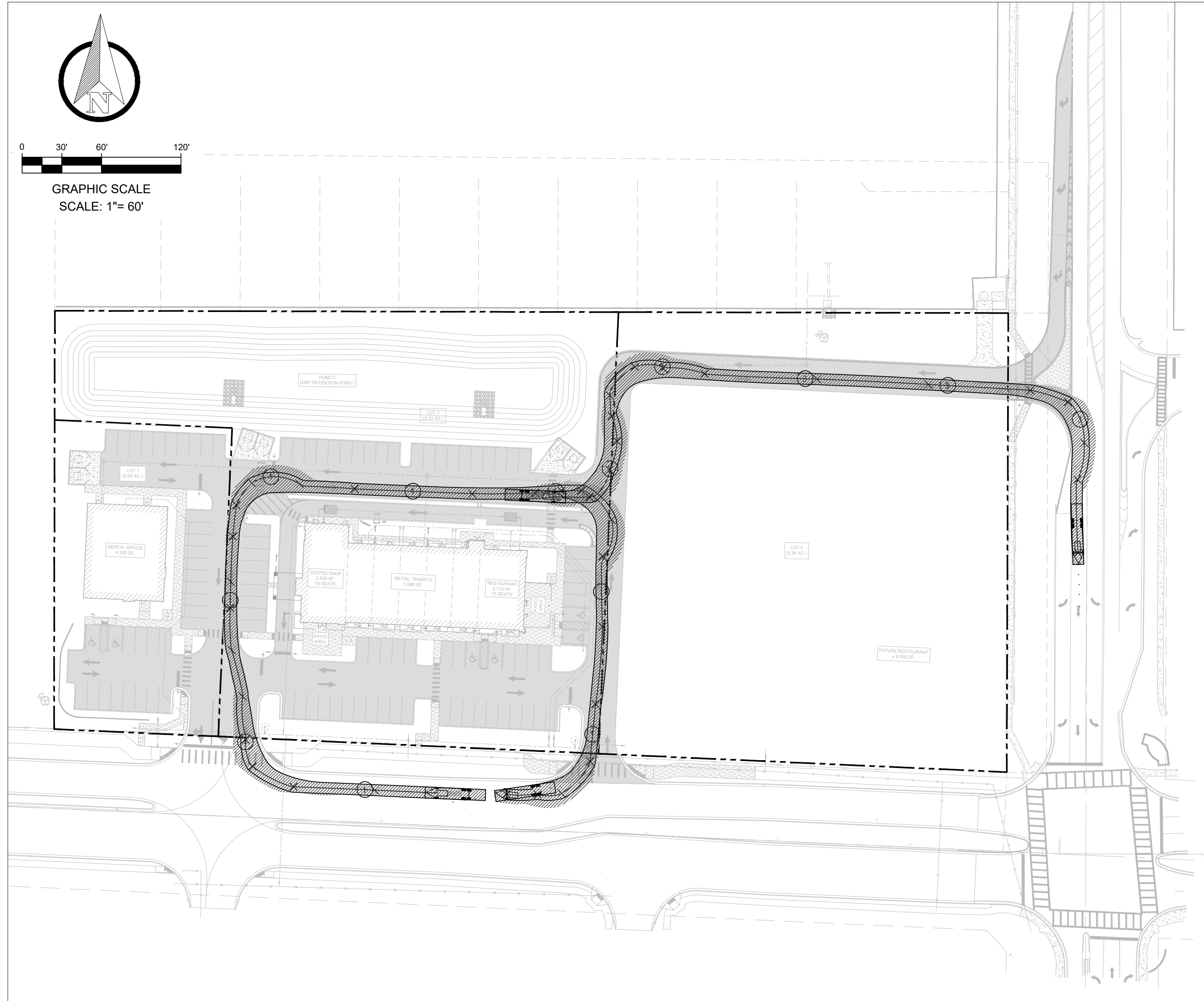
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REVISION NO.	1	DATE	

VEHICULAR
MANEUVERABILITY PLAN
WMG RETAIL CENTER

CAUTION
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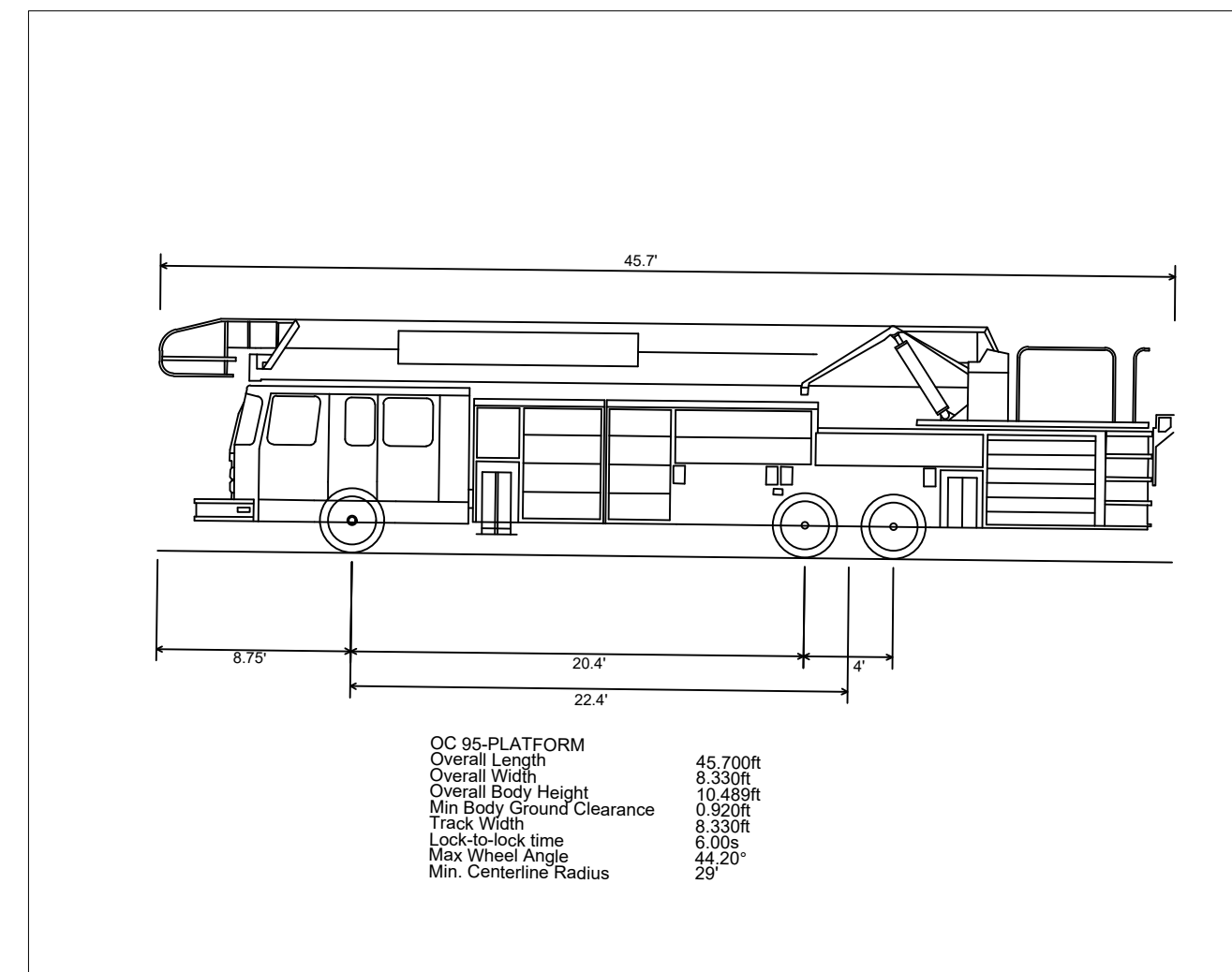
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DRAWN	J.G.
APPROVED	D.B.
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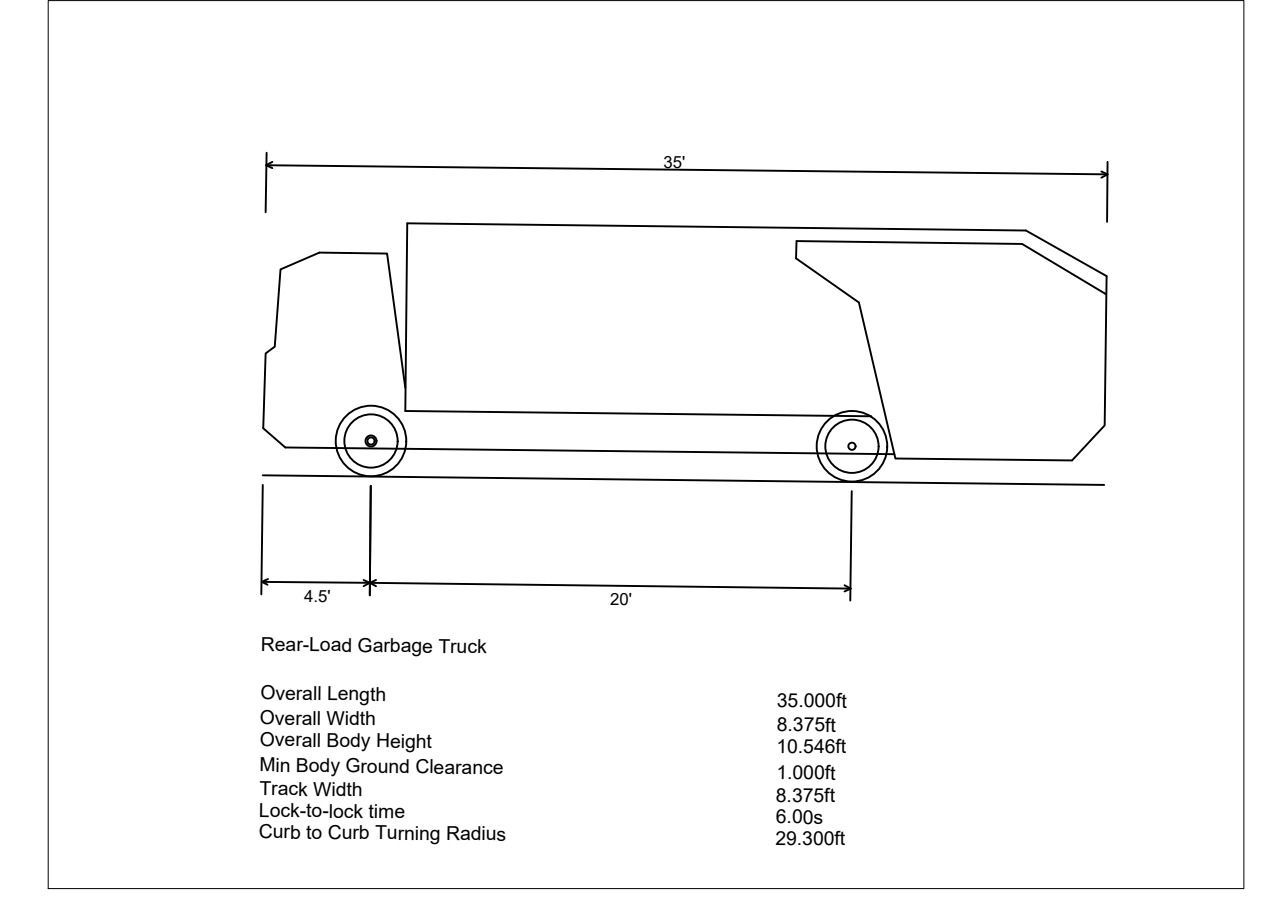
ORANGE COUNTY 95 - PLATFORM TRUCK MANEUVERABILITY
NTS



SOLID WASTE TRUCK MANEUVERABILITY
NTS



ORANGE COUNTY 95 - PLATFORM TRUCK PROFILE
NTS



SOLID WASTE TRUCK PROFILE
NTS

P:\22\0334\000 WMG - WINTER GARDEN AVALON AND MARSHES\DWG\PLANS\CONSTRUCTION\1_VEHICULAR MANEUVERABILITY PLAN.DWG



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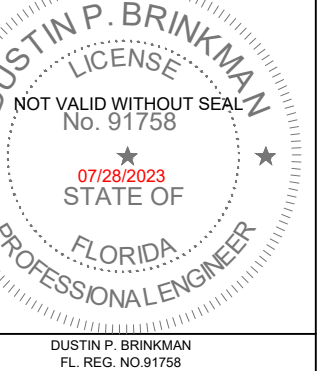
6300 HAZELTINE NATIONAL DR.
STE. 118 ORLANDO, FL 32822
PHONE (407)410-8624 COA 32059

DATE	4/4/14
ITEM	Water Service
NO.	2
REV.	ARV Detail
DATE	4/4/14
NO.	1
NO.	2
NO.	3
NO.	4
NO.	5
NO.	6
NO.	7
NO.	8
NO.	9
NO.	10

DATE	07/28/23	FINAL SITE PLAN SUBMITTAL 3
DATE	06/16/23	FINAL SITE PLAN SUBMITTAL 2
DATE	05/05/23	FINAL SITE PLAN SUBMITTAL 1
STATUS:	100% BID & CONSTRUCT	

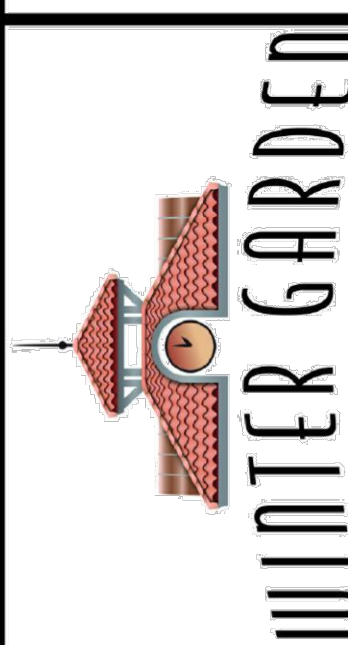
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DATE	06/16/23	FINAL SITE PLAN SUBMITTAL 2
DATE	05/05/23	FINAL SITE PLAN SUBMITTAL 1
STATUS:	100% BID & CONSTRUCT	

CAUTION
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APPROVED	D.B.
SHEET NO.	C5.1

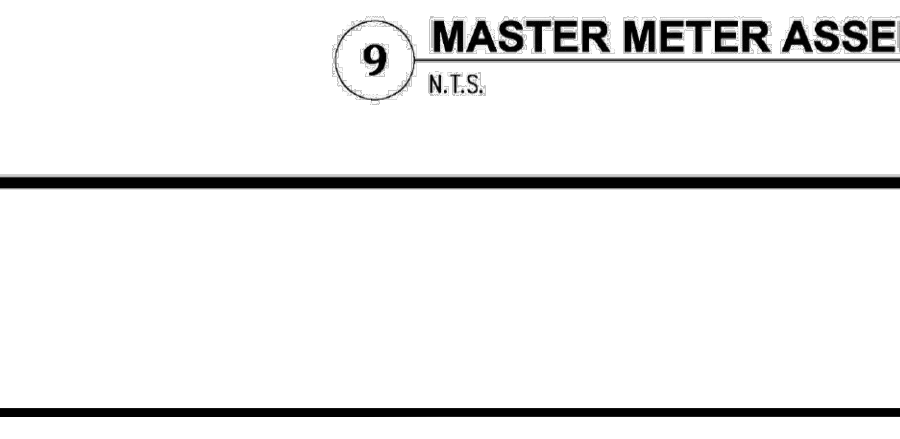
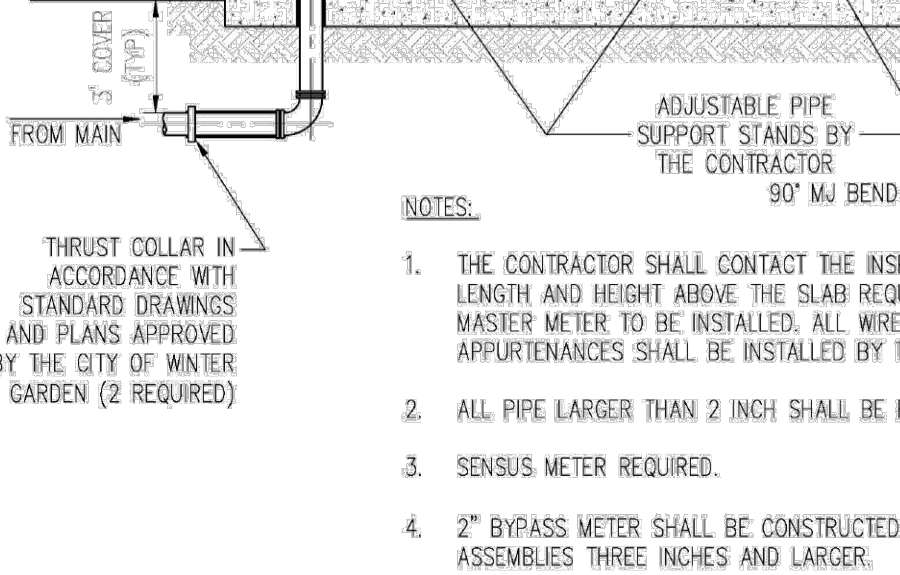
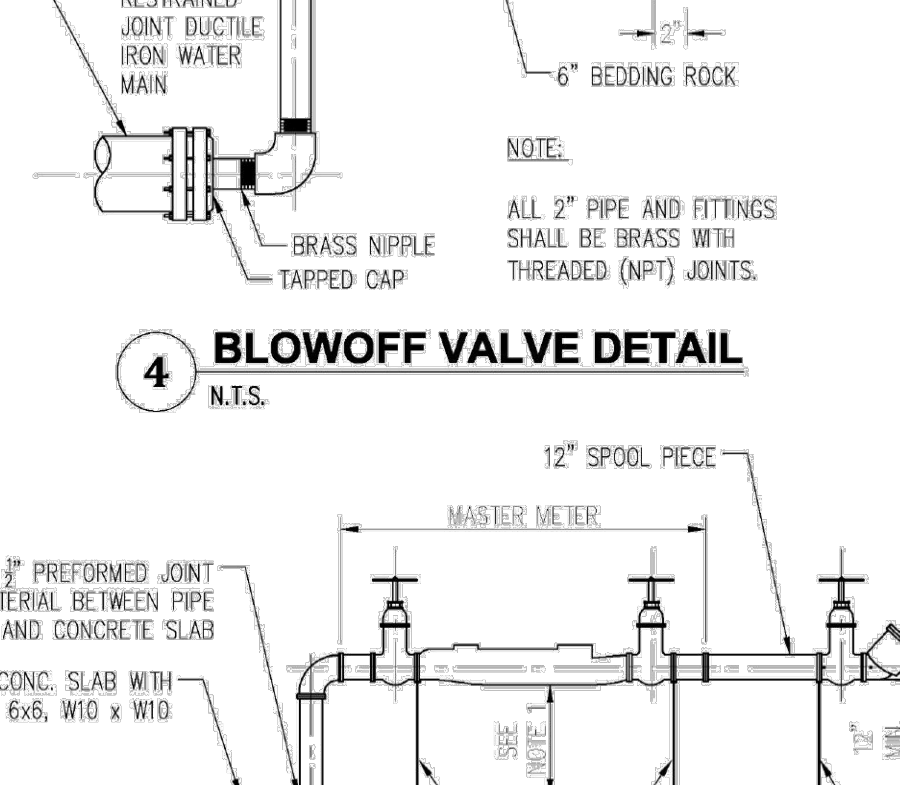
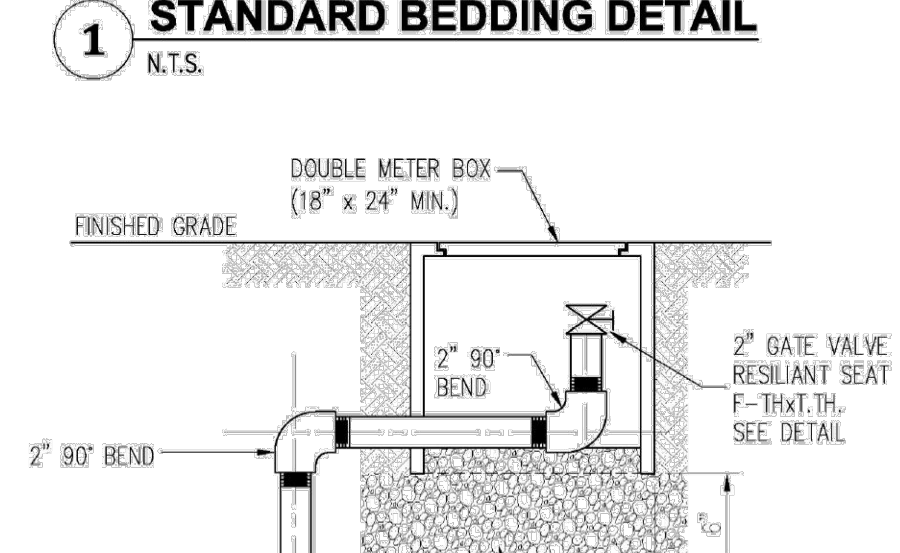
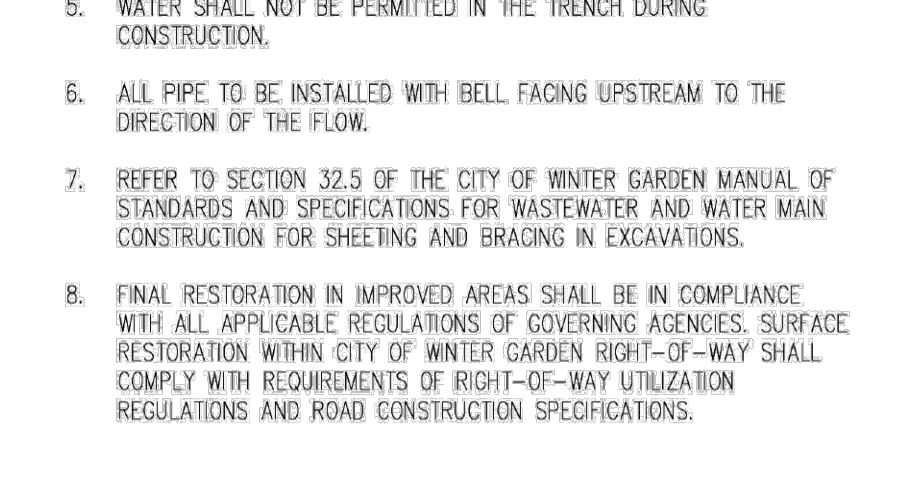
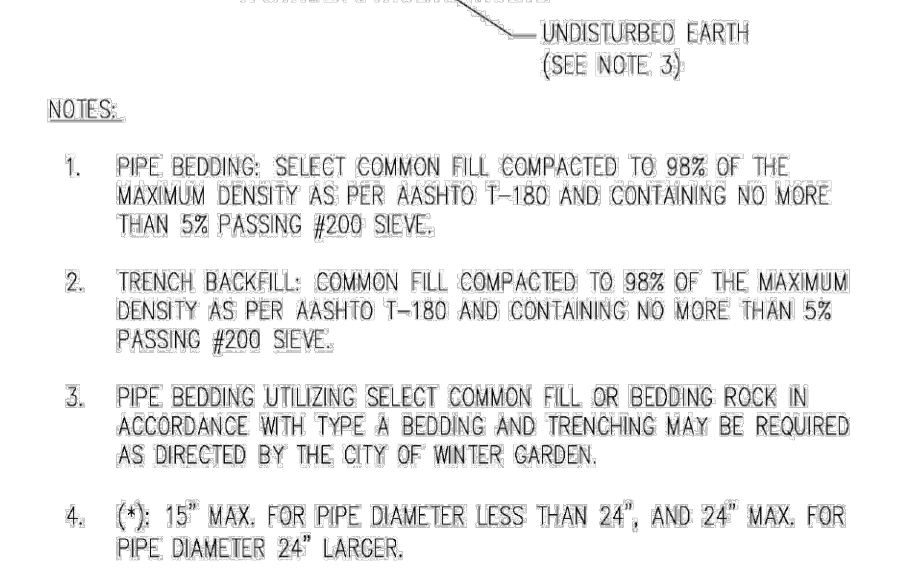
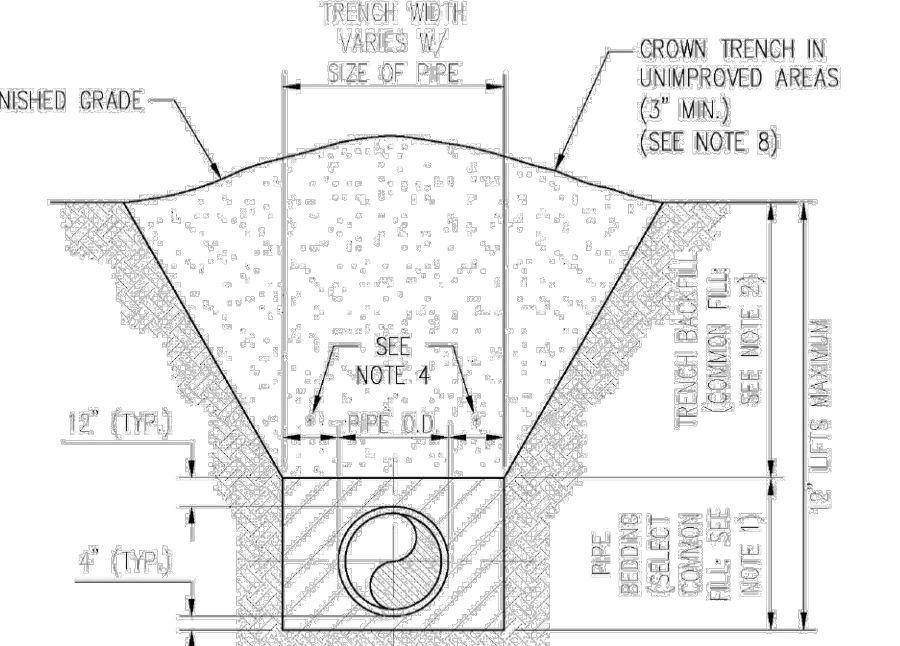
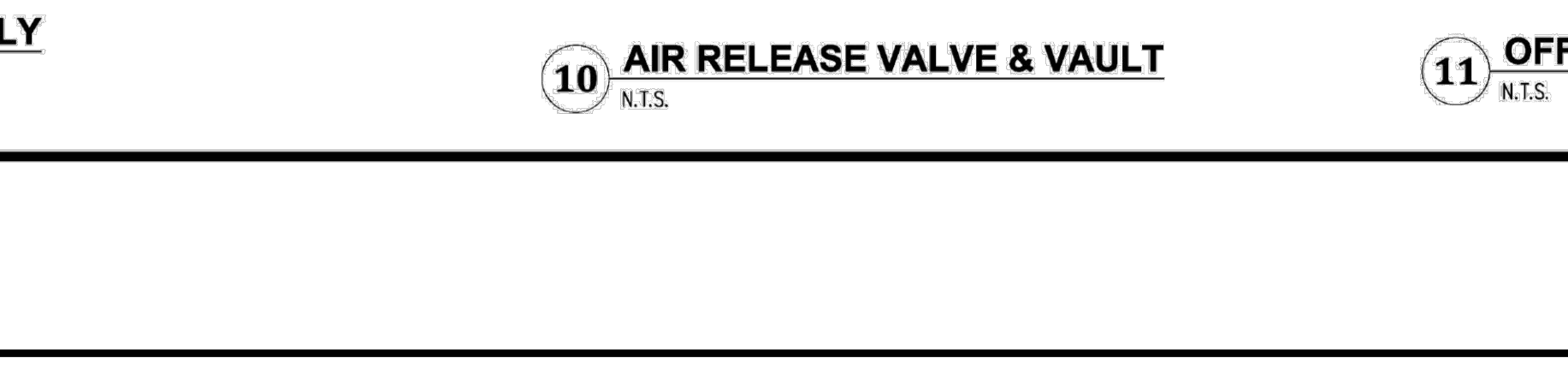
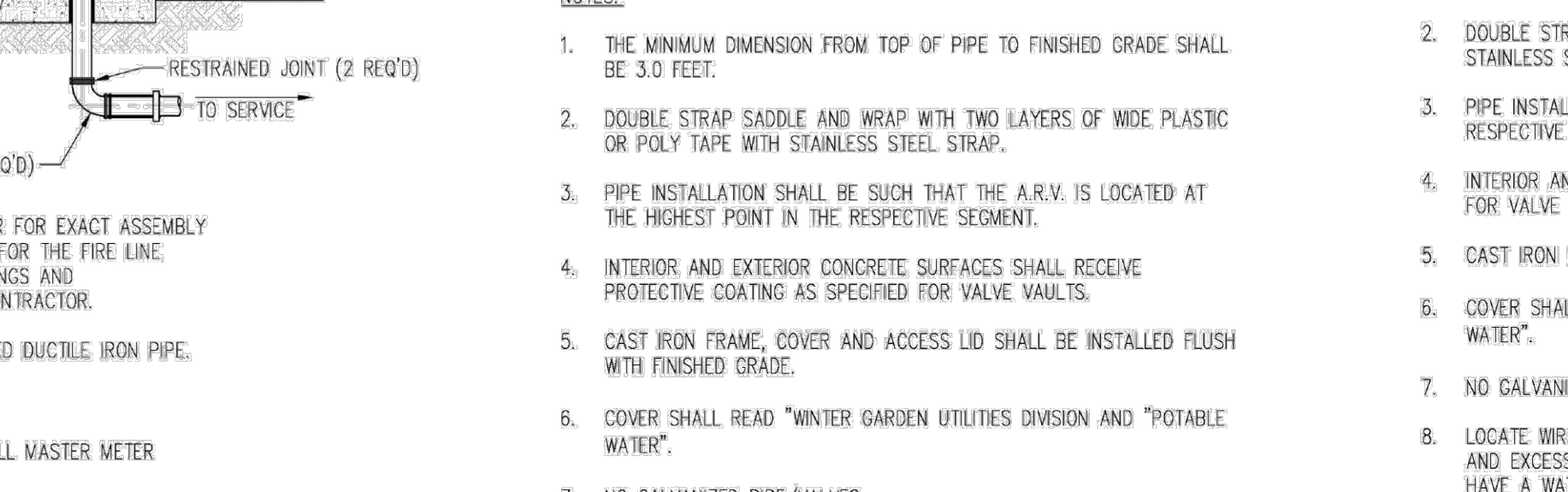
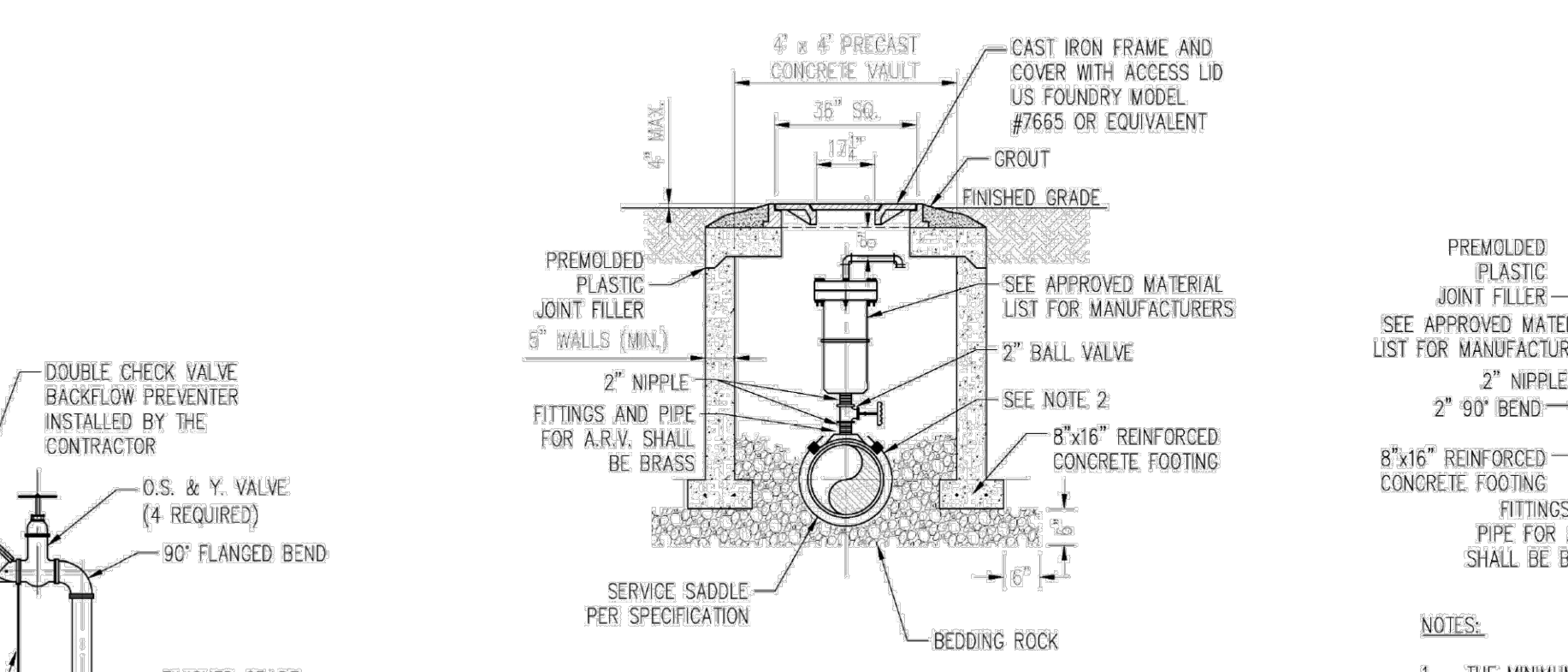
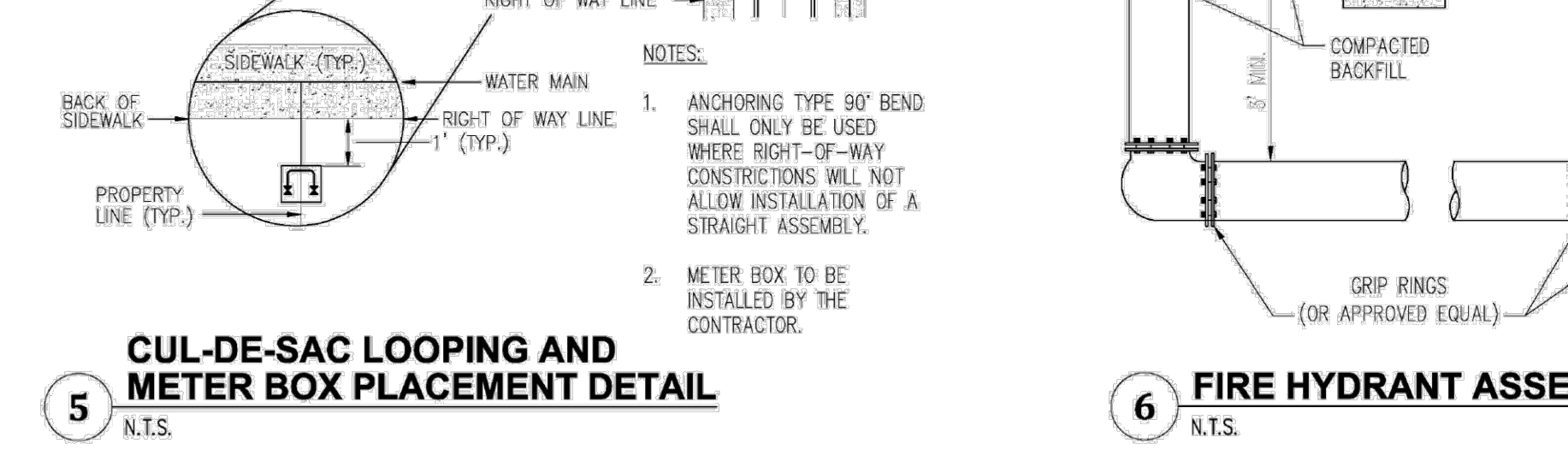
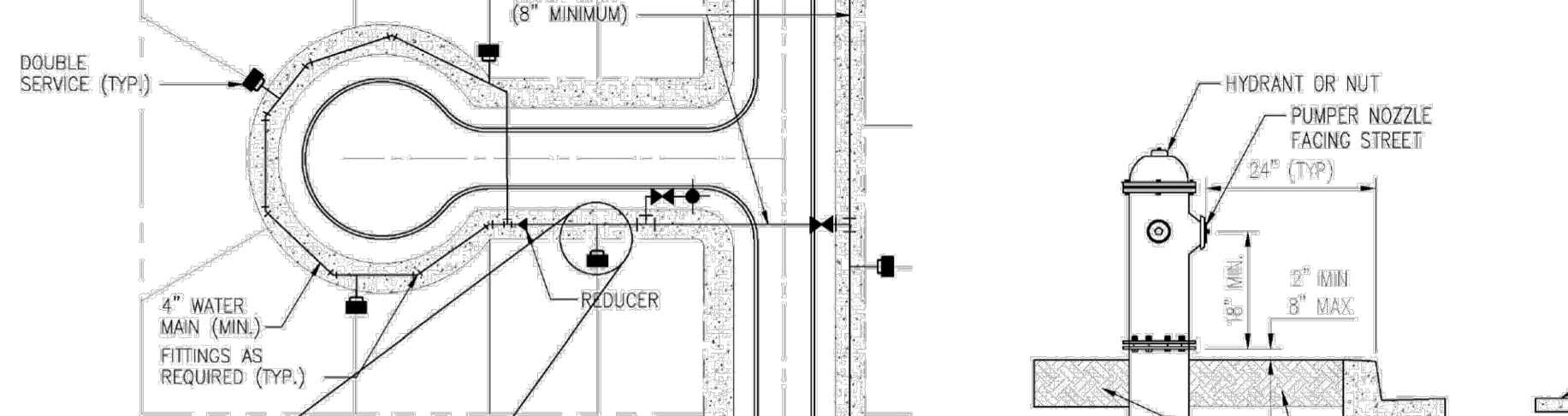
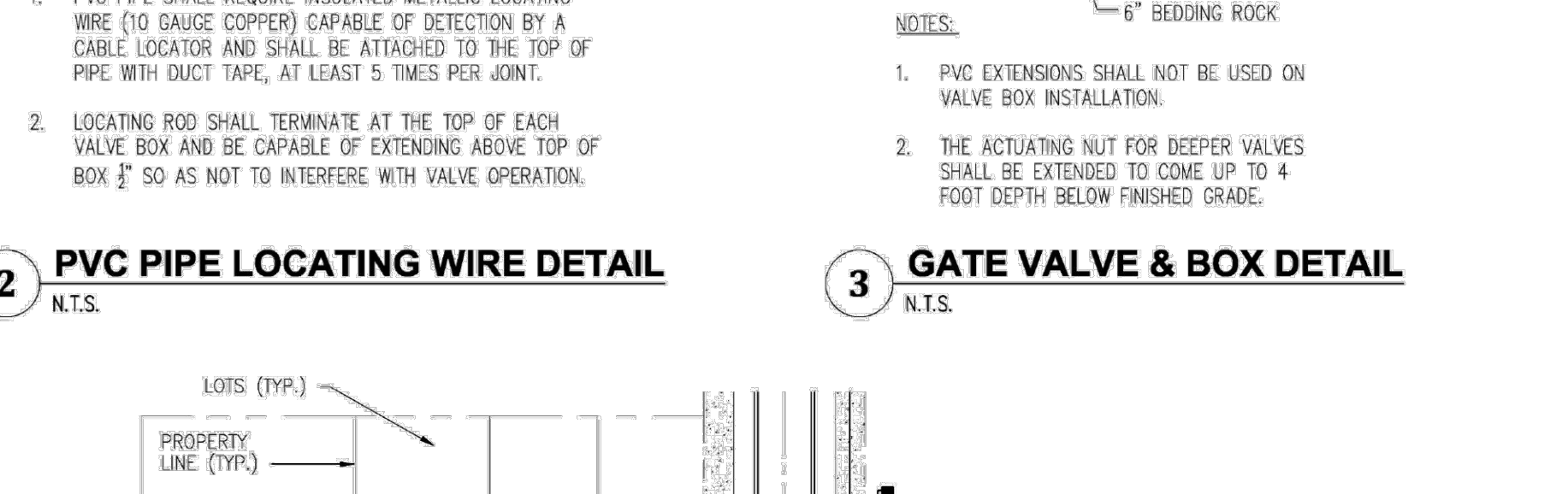
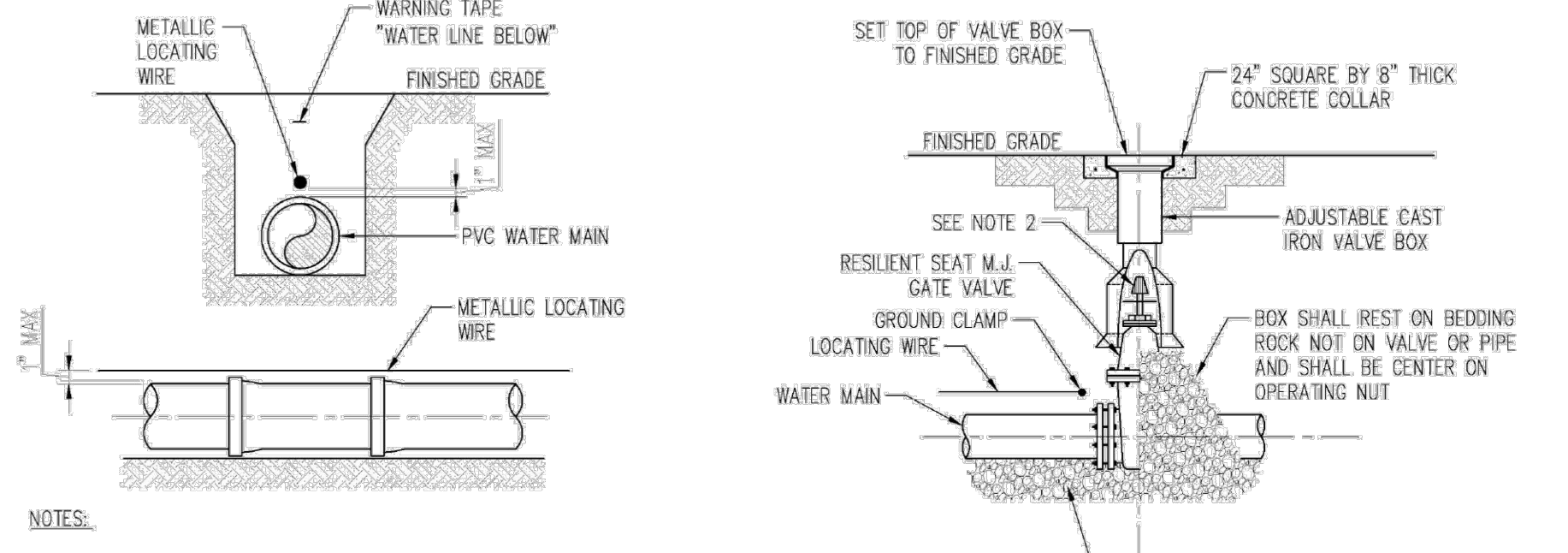
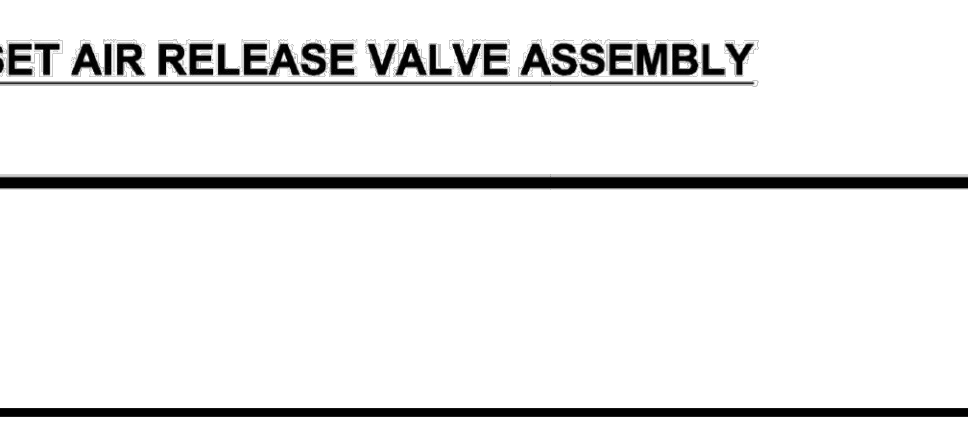
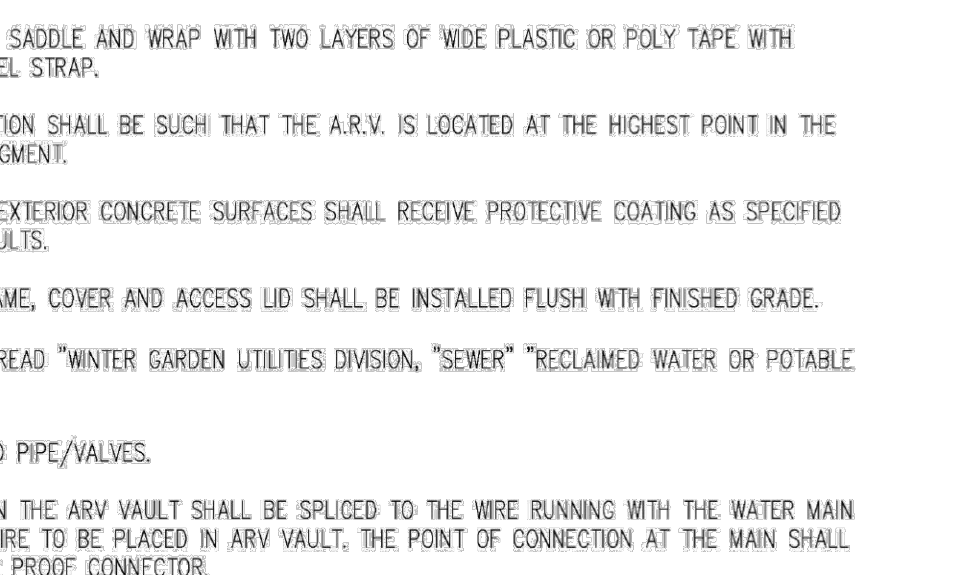
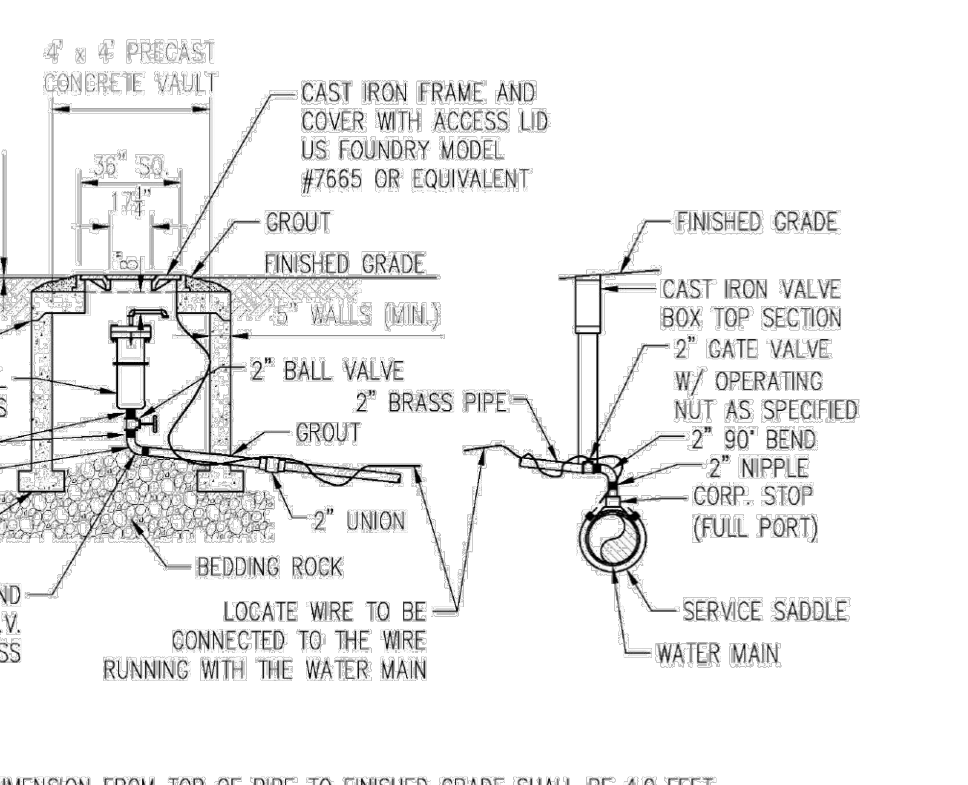
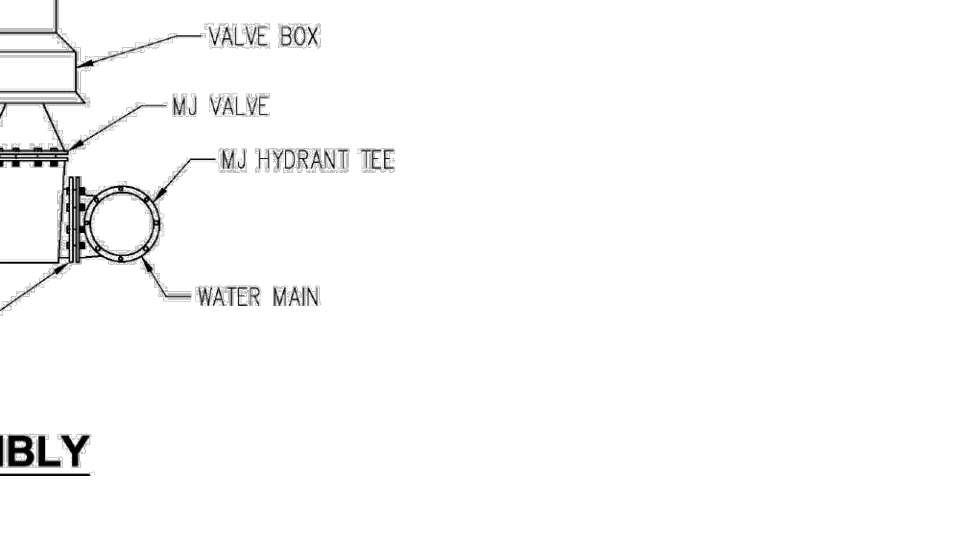
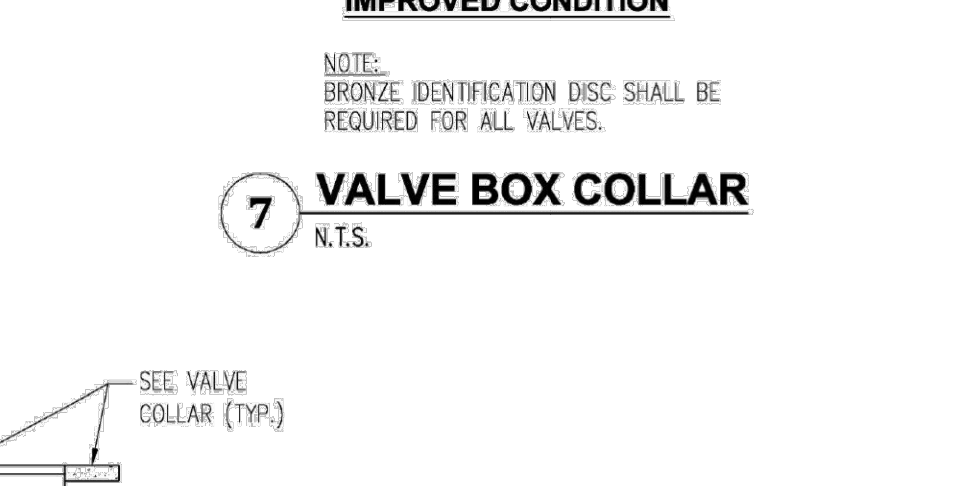
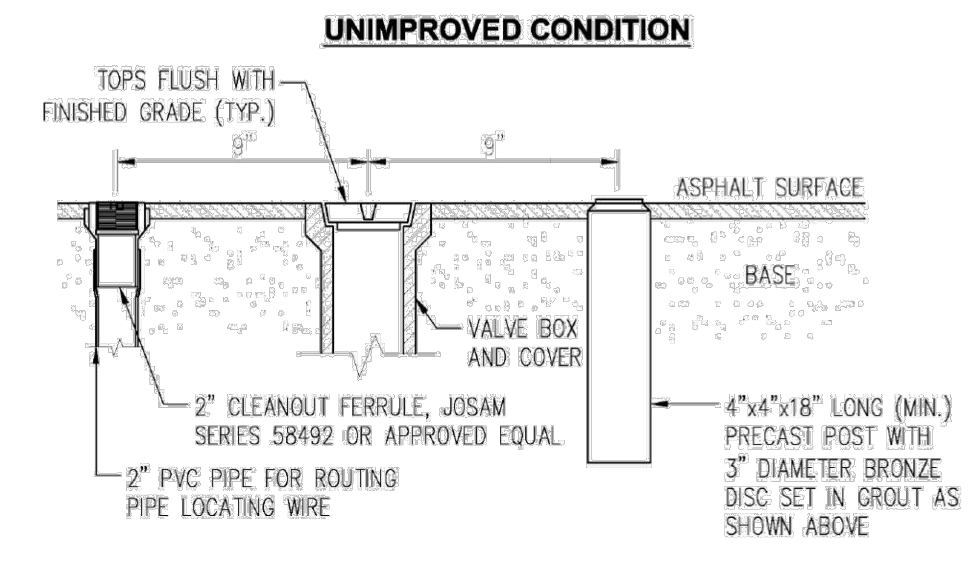
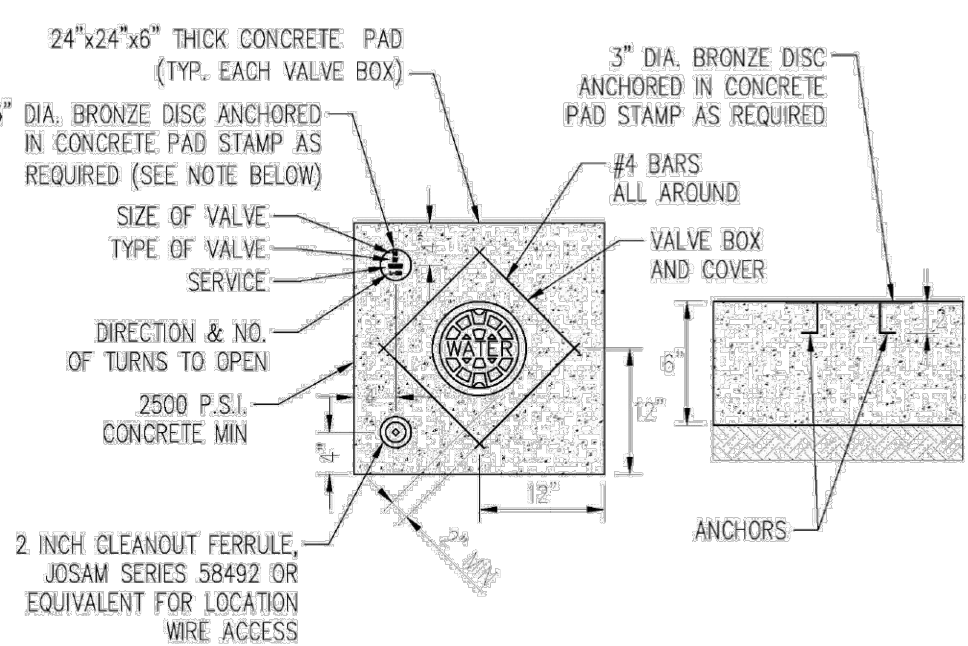
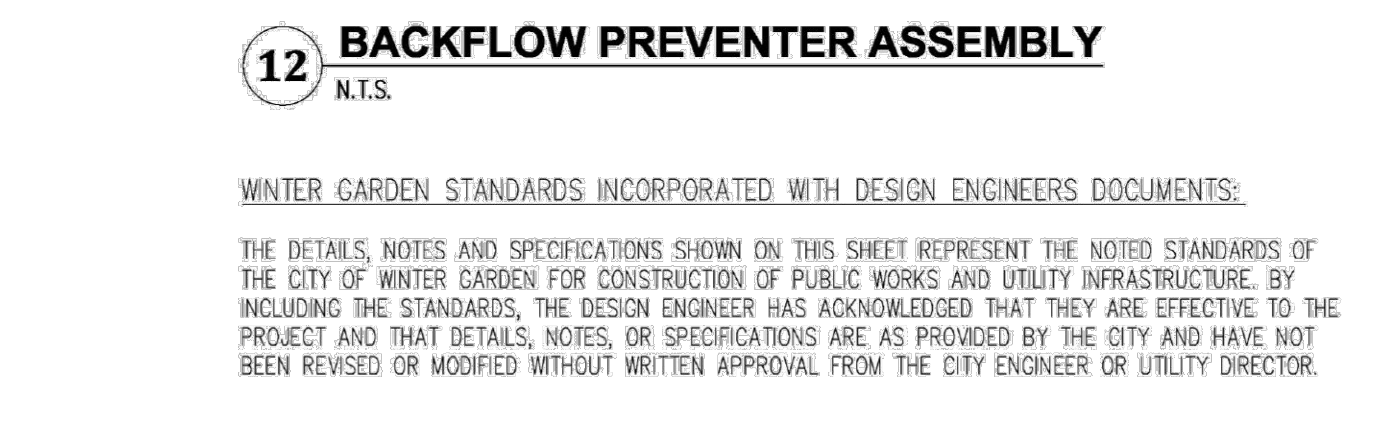
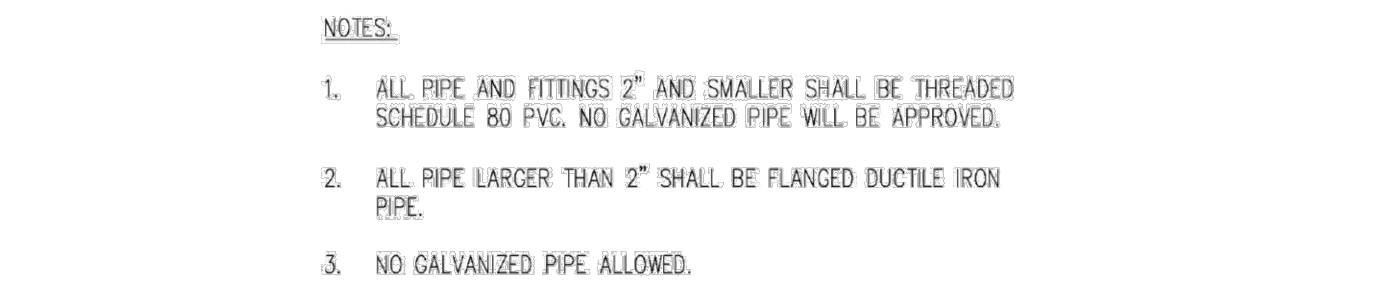
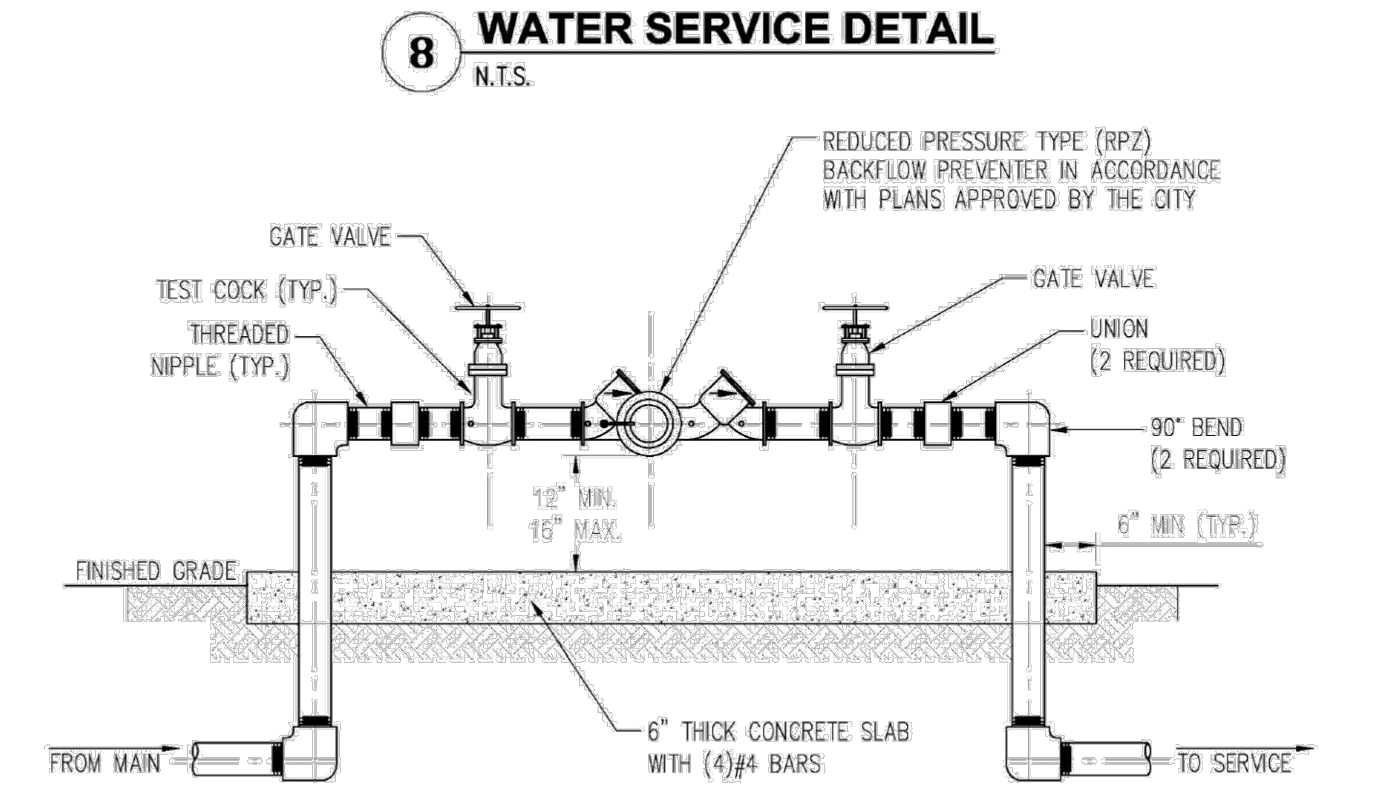
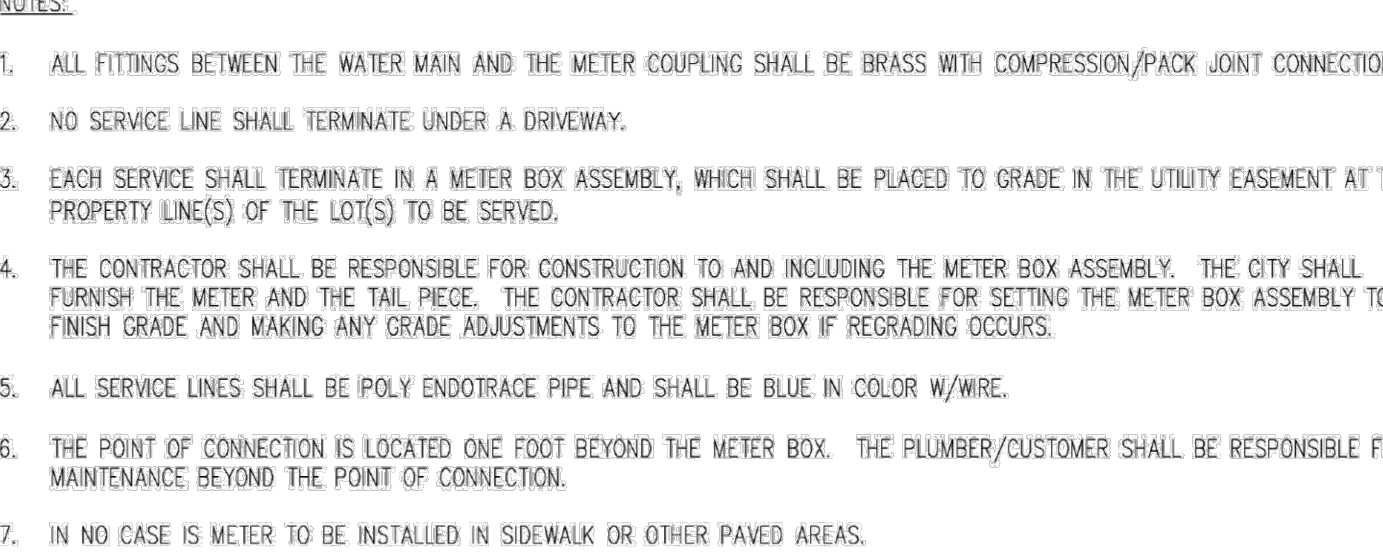
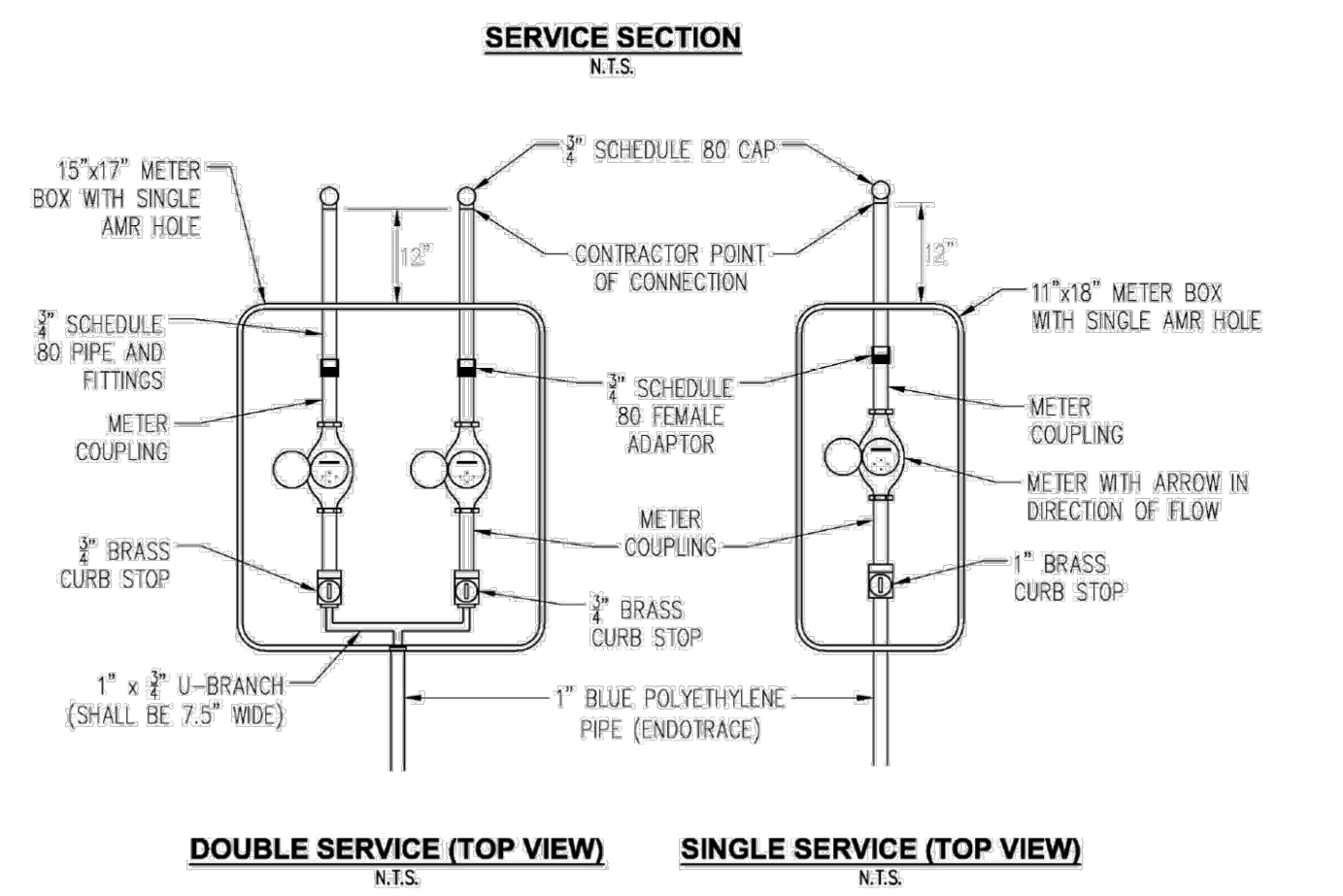
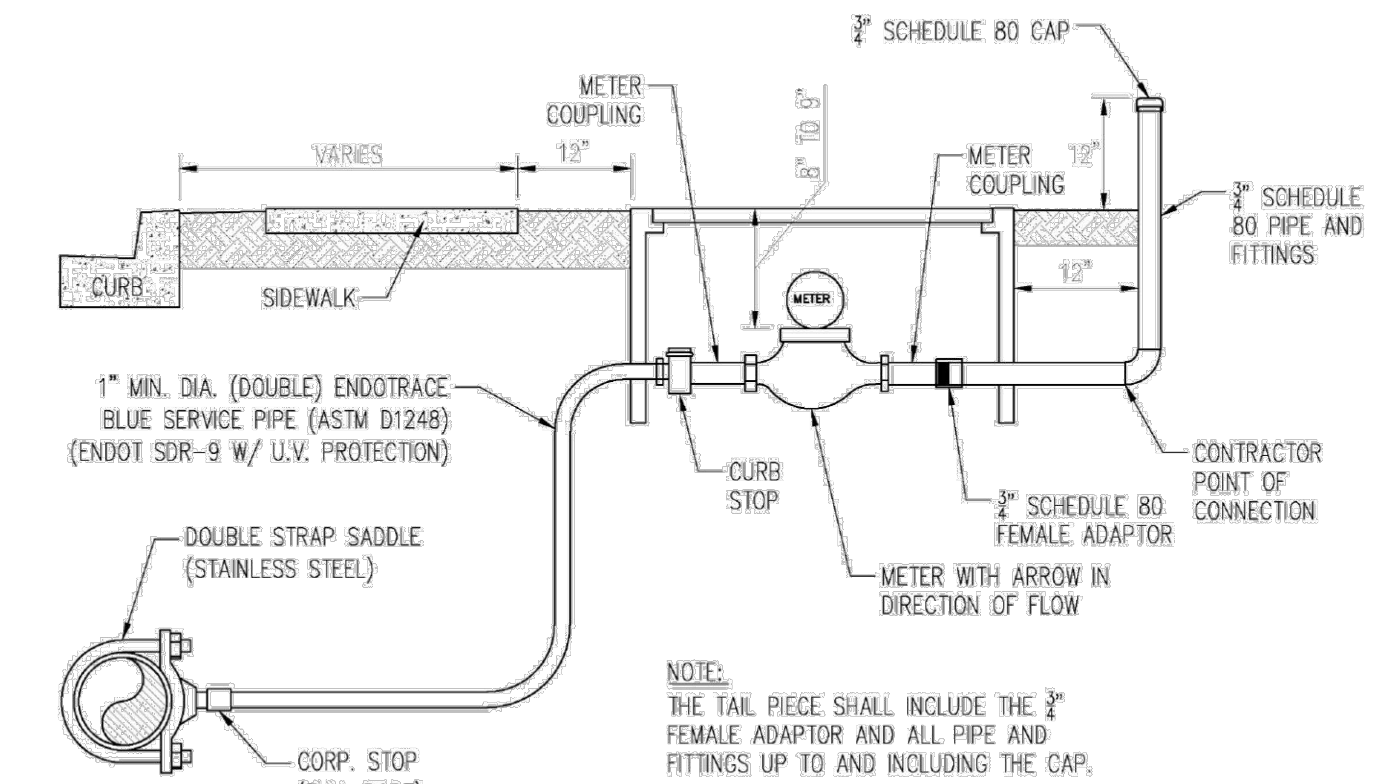
CITY OF WINTER GARDEN, FLORIDA STANDARDS AND SPECIFICATIONS FOR UTILITIES CONSTRUCTION



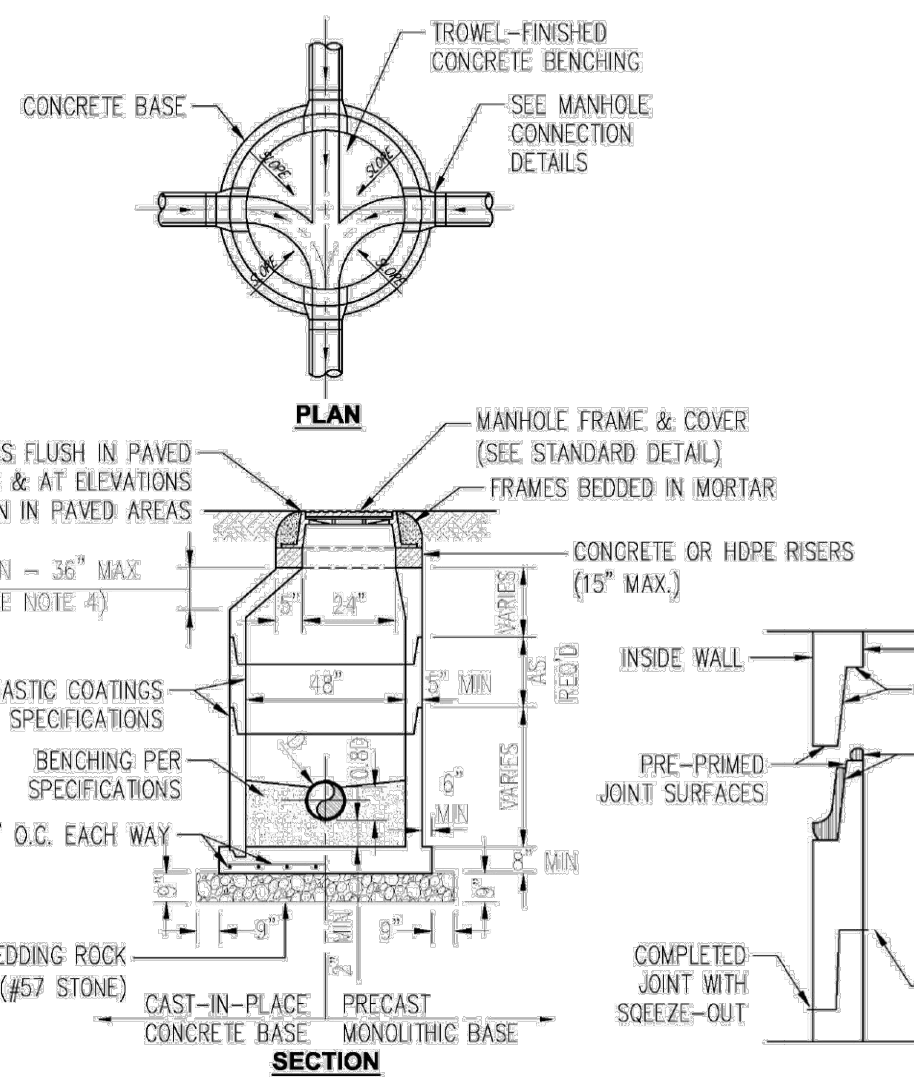
STANDARD DETAILS FOR POTABLE WATER SYSTEMS

DATE
JUNE 2018
SHEET
2
2 OF 11

CITY DETAILS
WMG RETAIL CENTER

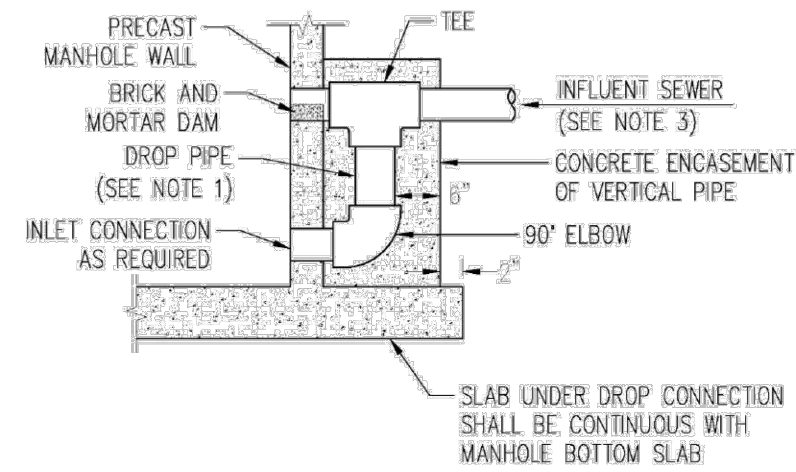


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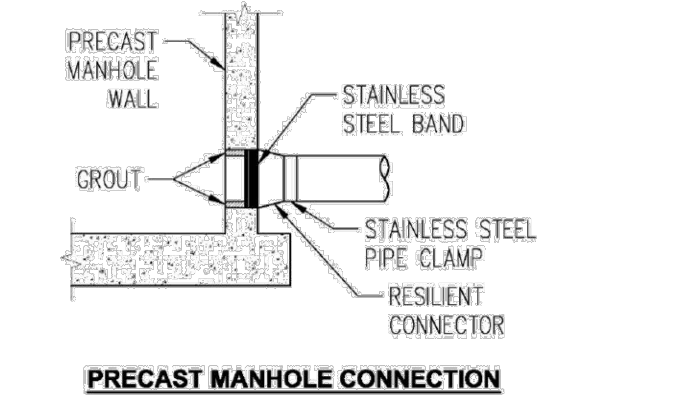


- NOTES:**
- DROP CONNECTIONS ARE REQUIRED WHENEVER INVERT OF INFLUENT SEWER IS 24" OR MORE ABOVE THE INVERT OF THE MANHOLE. SEE MANHOLE CONNECTION DETAILS. ALL DROPS TO BE OUTSIDE OF THE MANHOLE.
 - E-Z RAPP OUTSIDE ALL JOINTS
 - GROUT WITH NON-SHRINKING GROUT INSIDE JOINTS
 - NO CONES OVER 3 FT. TALL
 - ALL PRECAST CONCRETE SHALL BE COATED INSIDE AND OUTSIDE WITH COAL TAR EPOXY, MINIMUM 16 MIL DMT.

1 PRECAST CONCRETE SANITARY MANHOLE
N.T.S.



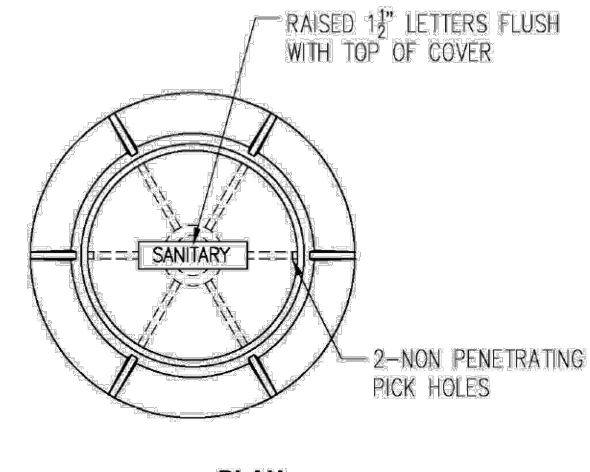
STANDARD DROP CONNECTION



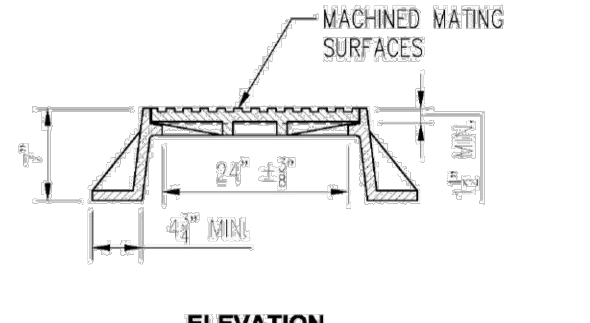
PRECAST MANHOLE CONNECTION

- NOTES:**
- DROP PIPE AND FITTINGS SHALL BE OF EQUAL SIZE AND MATERIAL AS THE INFLUENT SEWER.
 - AN OUTSIDE DROP CONNECTION SHALL BE REQUIRED FOR ALL INFLUENT WHICH HAVE AN INVERT 2' OR MORE ABOVE THE MANHOLE INVERT.

2 MANHOLE CONNECTION DETAIL
N.T.S.



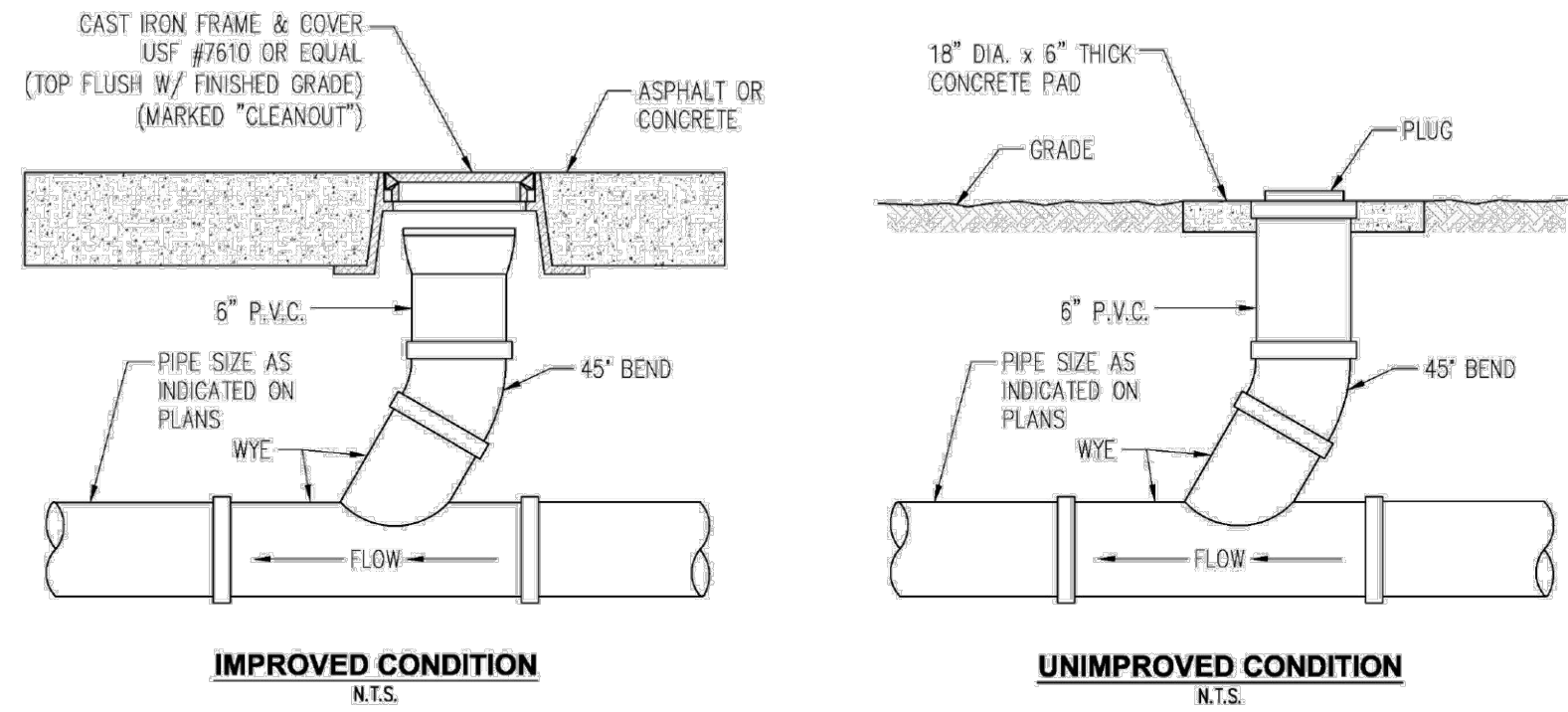
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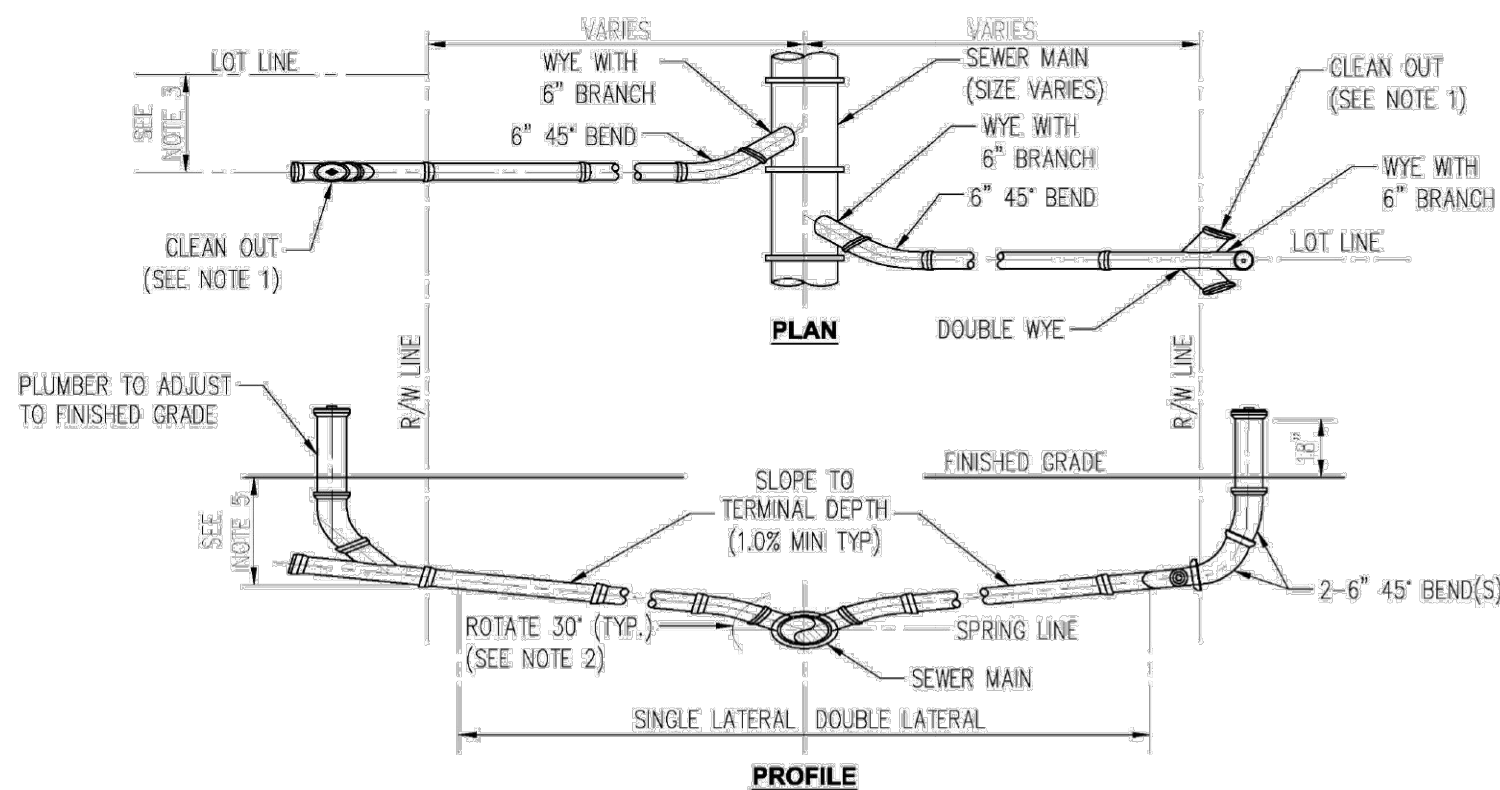
ELEVATION

- NOTES:**
- MANHOLE FRAME & COVER SHALL BE 24" OPENINGS, USE #4S-22S AS MANUFACTURED BY U.S. FOUNDRY & MFG. CORP. OR APPROVED EQUAL.
 - RAIN STOPPER LIDS OR RAIN GUARD LIDS (LWIS) REQUIRED.

3 MANHOLE FRAME AND COVER
N.T.S.

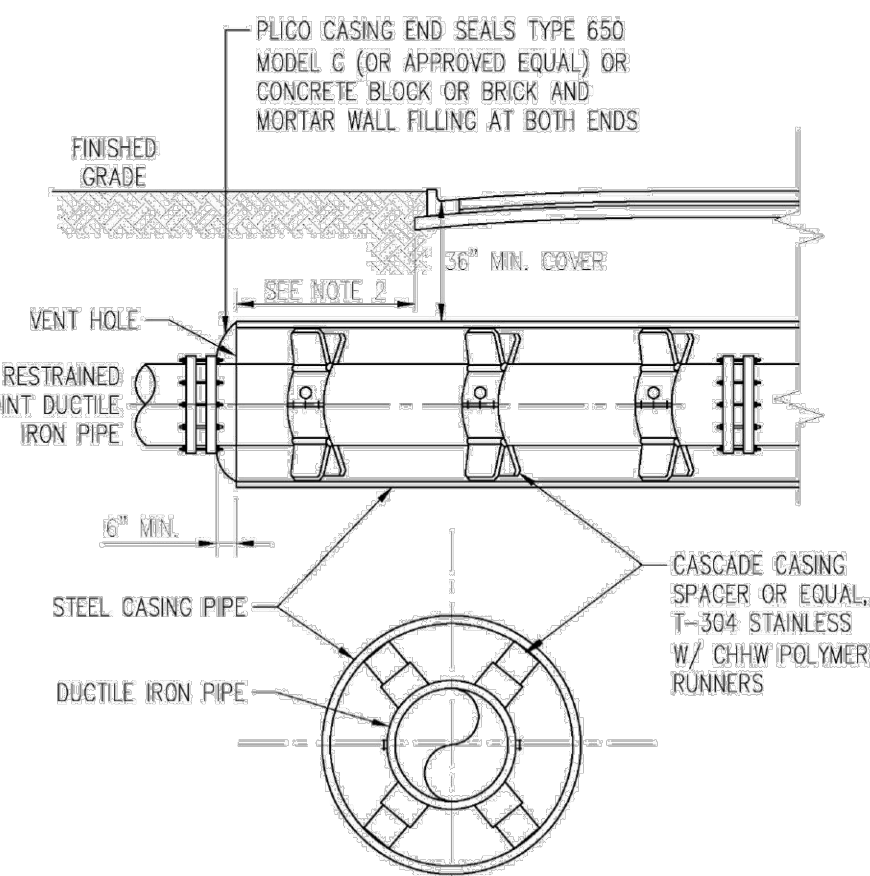


6 SANITARY SEWER CLEAN OUT DETAIL
N.T.S.



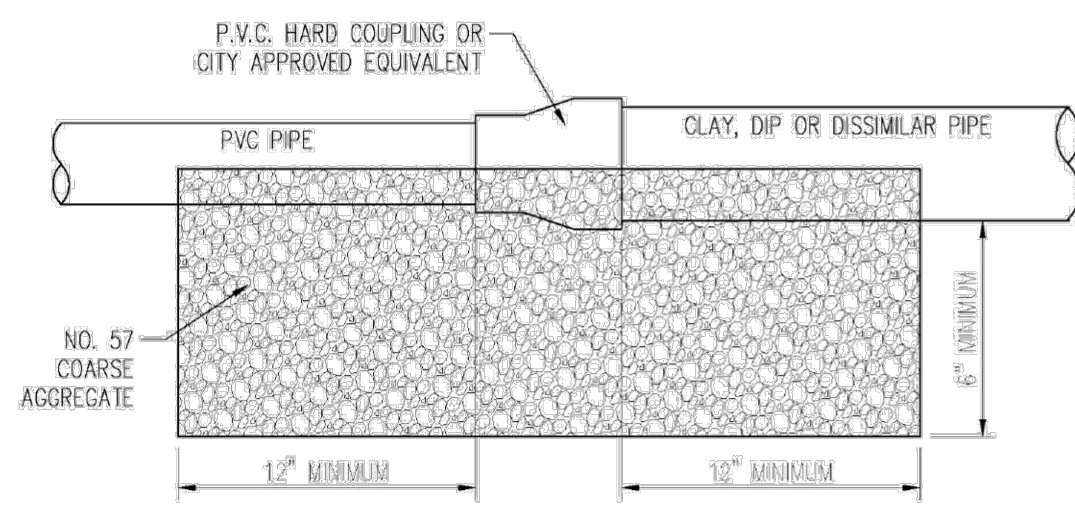
- NOTES:**
- CLEANOUT SHALL BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH STANDARD PLUMBING CODE.
 - INVERT OF SERVICE LATERAL SHALL NOT ENTER SEWER MAIN BELOW SPRING LINE.
 - WYES AND 45° BENDS SHALL BE PVC (SDR 26).
 - LOCATE SINGLE LATERAL AS CLOSE TO LOT LINE AS POSSIBLE, 25' MAXIMUM.
 - 4" TYP TERMINAL DEPTH (3" MIN) REQUIRED FOR SERVICE AT RIGHT-OF-WAY.

7 SANITARY SEWER SERVICE LATERAL DETAIL
N.T.S.



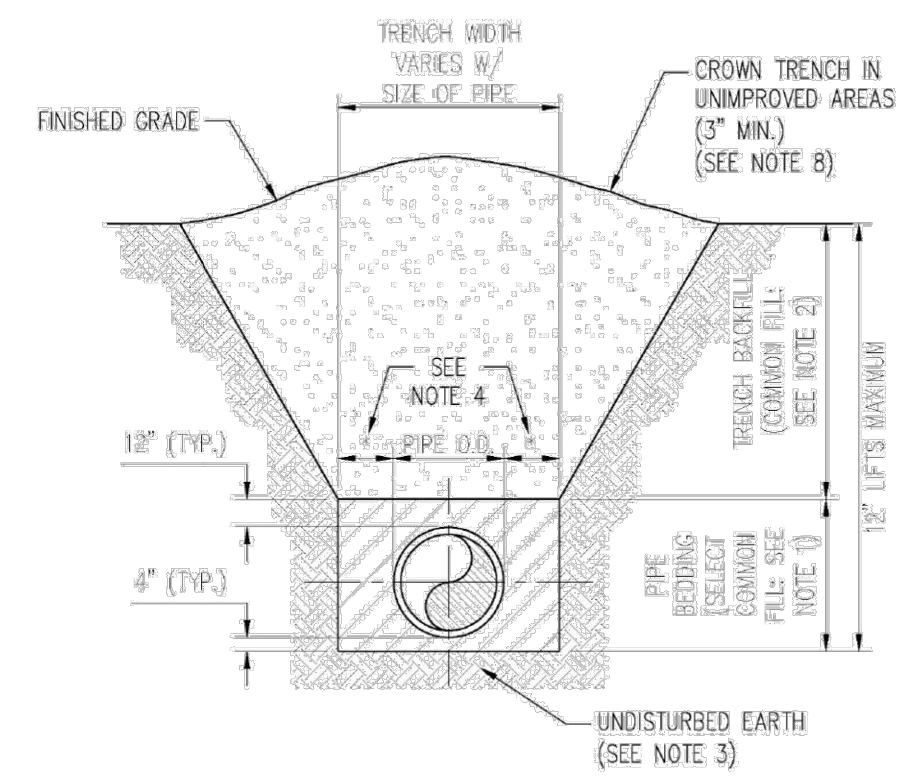
- NOTES:**
- WHERE PRACTICAL, CASING SHALL EXTEND 8' BEYOND EDGE OF PAYMENT AND SHALL NOT BE LESS THAN 6' BEYOND EDGE OF PAYMENT IN ANY CASE.
 - CASING SPACERS AND END SEALS TO BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
 - DESIGN ENGINEER TO DETERMINE NEED FOR SACRIFICIAL ANODE (S) FOR CORROSION CONTROL.

8 SEWER MAIN STEEL CASING DETAIL
N.T.S.



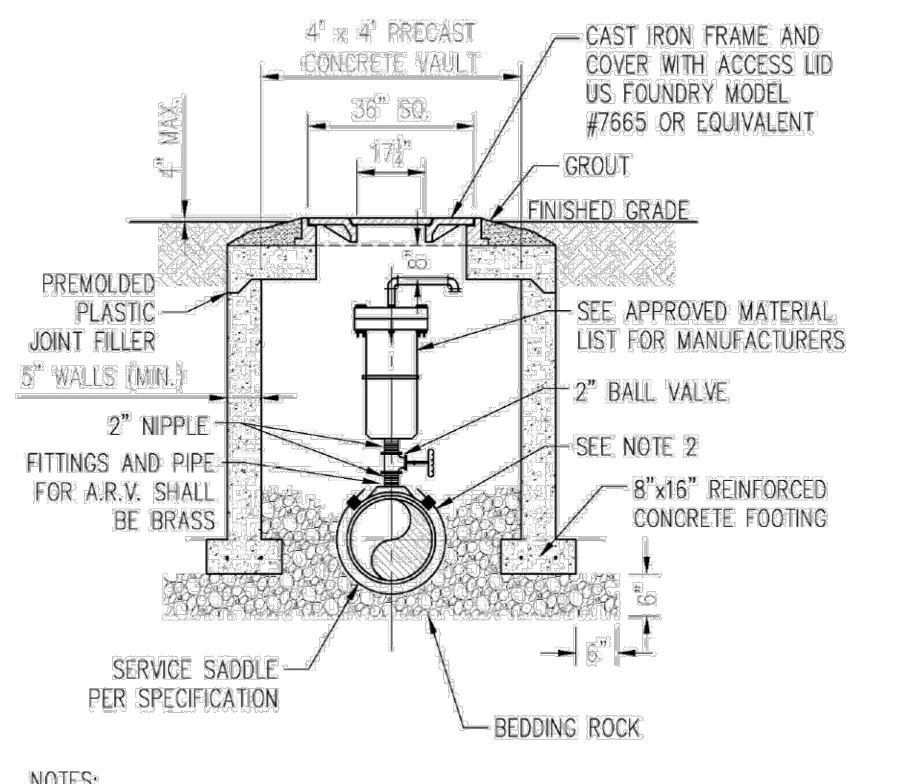
- NOTE:**
- FIELD VERIFY MATERIALS OF EXISTING PIPES TO SELECT PROPER CONNECTOR.
 - HARDBO COUPLING OR APPROVED EQUIVALENT FOR ALL PIPE MATERIALS, UNLESS APPROVED IN WRITING BY THE CITY.

9 SEWER MAIN CONNECTION DETAIL
N.T.S.



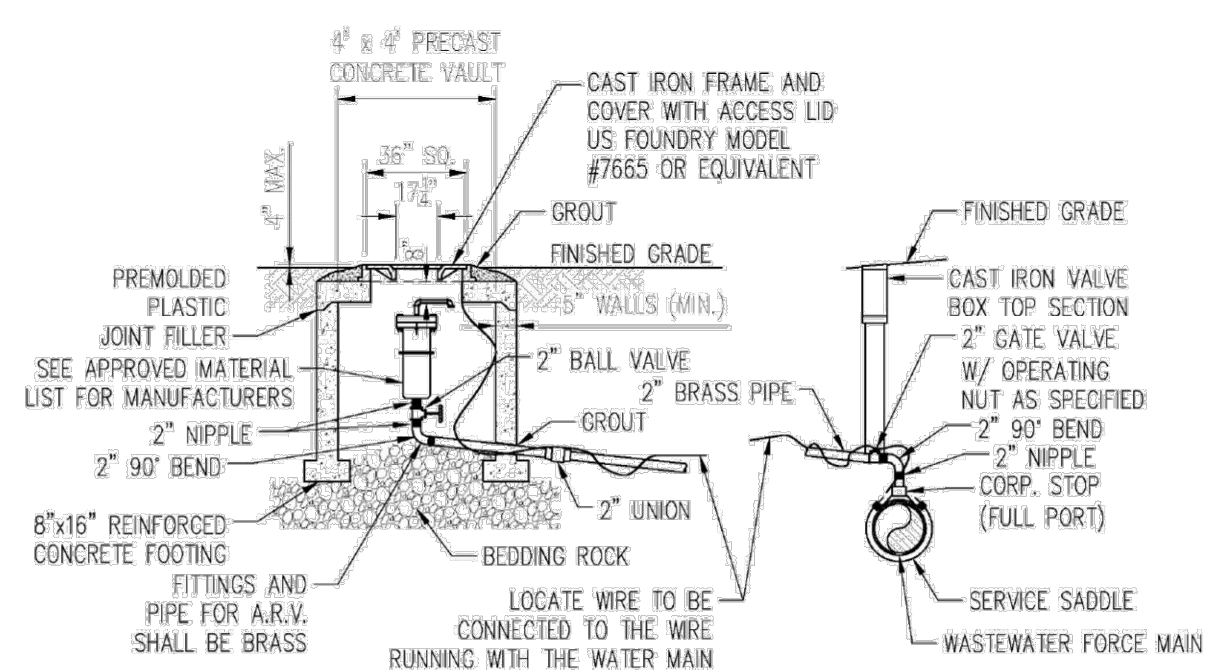
- NOTES:**
- PIPE BEDDING: SELECT COMMON FILL COMPACTED TO 98% OF THE MAXIMUM DENSITY AS PER AASHTO T-190 AND CONTAINING NO MORE THAN 5% PASSING #200 SIEVE.
 - TRENCH BACKFILL: COMMON FILL COMPACTED TO 98% OF THE MAXIMUM DENSITY AS PER AASHTO T-190 AND CONTAINING NO MORE THAN 5% PASSING #200 SIEVE.
 - PIPE BEDDING UTILIZING SELECT COMMON FILL OR BEDDING ROCK IN ACCORDANCE WITH TYPE A BEDDING AND TRENCHING MAY BE REQUIRED AS DIRECTED BY THE CITY OF WINTER GARDEN.
 - (*) 15" MAX. FOR PIPE DIAMETER LESS THAN 24", AND 24" MAX. FOR PIPE DIAMETER 24" LARGER.
 - WATER SHALL NOT BE PERMITTED IN THE TRENCH DURING CONSTRUCTION.
 - ALL PIPE TO BE INSTALLED WITH BELL FACING UPSTREAM TO THE DIRECTION OF THE FLOW.
 - REFER TO SECTION 32.5 OF THE CITY OF WINTER GARDEN MANUAL OF STANDARDS AND SPECIFICATIONS FOR WASTEWATER AND WATER MAIN CONSTRUCTION FOR SHEETING AND BRACING IN EXCAVATIONS.
 - FINAL RESTORATION IN IMPROVED AREAS SHALL BE IN COMPLIANCE WITH ALL APPLICABLE REGULATIONS OF GOVERNING AGENCIES. SURFACE RESTORATION WITHIN CITY OF WINTER GARDEN RIGHT-OF-WAY SHALL COMPLY WITH REQUIREMENTS OF RIGHT-OF-WAY UTILIZATION REGULATIONS AND ROAD CONSTRUCTION SPECIFICATIONS.

4 STANDARD BEDDING DETAIL
N.T.S.



- NOTES:**
- THE MINIMUM DIMENSION FROM TOP OF PIPE TO FINISHED GRADE SHALL BE 3.0 FEET.
 - DOUBLE STRAP SADDLE AND WRAP WITH TWO LAYERS OF WIDE PLASTIC OR POLY TAPE WITH STAINLESS STEEL STRAP.
 - PIPE INSTALLATION SHALL BE SUCH THAT THE A.R.V. IS LOCATED AT THE HIGHEST POINT IN THE RESPECTIVE SEGMENT.
 - INTERIOR AND EXTERIOR CONCRETE SURFACES SHALL RECEIVE PROTECTIVE COATING AS SPECIFIED FOR VALVE VAULTS.
 - CAST IRON FRAME, COVER AND ACCESS LID SHALL BE INSTALLED FLUSH WITH FINISHED GRADE.
 - COVER SHALL READ "WINTER GARDEN UTILITIES DIVISION AND "WASTEWATER".
 - NO GALVANIZED PIPE/VALVES.

5 AIR RELEASE VALVE & VAULT
N.T.S.

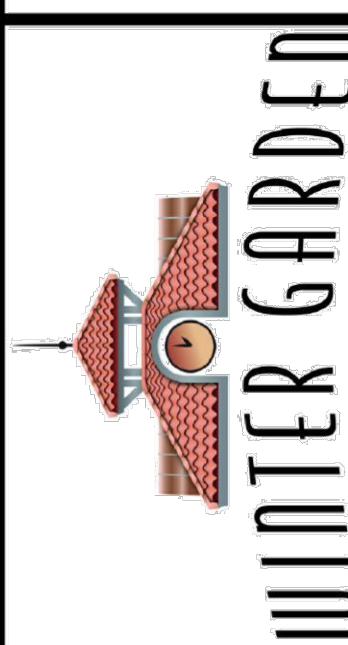


- NOTES:**
- THE MINIMUM DIMENSION FROM TOP OF PIPE TO FINISHED GRADE SHALL BE 4.0 FEET.
 - DOUBLE STRAP SADDLE AND WRAP WITH TWO LAYERS OF WIDE PLASTIC OR POLY TAPE WITH STAINLESS STEEL STRAP.
 - PIPE INSTALLATION SHALL BE SUCH THAT THE A.R.V. IS LOCATED AT THE HIGHEST POINT IN THE RESPECTIVE SEGMENT.
 - INTERIOR AND EXTERIOR CONCRETE SURFACES SHALL RECEIVE PROTECTIVE COATING AS SPECIFIED FOR VALVE VAULTS.
 - CAST IRON FRAME, COVER AND ACCESS LID SHALL BE INSTALLED FLUSH WITH FINISHED GRADE.
 - COVER SHALL READ "WINTER GARDEN UTILITIES DIVISION, "SEWER" "RECLAIMED WATER OR POTABLE WATER".
 - NO GALVANIZED PIPE/VALVES.
 - LOCATE WIRE IN THE ARV VAULT SHALL BE SPLICED TO THE WIRE RUNNING WITH THE MAIN AND EXCESS WIRE TO BE PLACED IN ARV VAULT. THE POINT OF CONNECTION AT THE MAIN SHALL HAVE A WATER PROOF CONNECTOR.

10 OFFSET AIR RELEASE VALVE ASSEMBLY
N.T.S.

WINTER GARDEN STANDARDS INCORPORATED WITH DESIGN ENGINEERS DOCUMENTS:
THE DETAILS, NOTES AND SPECIFICATIONS SHOWN ON THIS SHEET REPRESENT THE NOTED STANDARDS OF THE CITY OF WINTER GARDEN FOR CONSTRUCTION OF PUBLIC WORKS AND UTILITY INFRASTRUCTURE. BY INCLUDING THE STANDARDS, THE DESIGN ENGINEER HAS ACKNOWLEDGED THAT THEY ARE EFFECTIVE TO THE PROJECT AND THAT DETAILS, NOTES, OR SPECIFICATIONS ARE AS PROVIDED BY THE CITY AND HAVE NOT BEEN REVISED OR MODIFIED WITHOUT WRITTEN APPROVAL FROM THE CITY ENGINEER OR UTILITY DIRECTOR.

**CITY OF WINTER GARDEN, FLORIDA
STANDARDS AND SPECIFICATIONS
FOR UTILITIES CONSTRUCTION**



**STANDARD DETAILS
FOR
WASTEWATER SYSTEMS**

DATE
JUNE 2018
SHEET
3
3 OF 11

ITEM	DATE
Sanitary Manhole	4/7/14
Offset ARV Detail	4/7/14

KPMFranklin
ENGINEERS • PLANNERS • SURVEYORS
6300 HAZELTINE NATIONAL DR.
STE. 118 ORLANDO, FL 32822
PHONE (407)410-8624 COA 32059

NO.	DATE	DESCRIPTION
1	07/28/23	FINAL SITE PLAN SUBMITTAL 3
2	08/16/23	FINAL SITE PLAN SUBMITTAL 2
3	05/05/23	FINAL SITE PLAN SUBMITTAL 1

STATUS: 100% BID & CONSTRUCT

REV. NO.	DATE	DESCRIPTION
1		
2		
3		
4		
5		
6		
7		
8		

REV. NO.	DATE	DESCRIPTION
1		
2		
3		
4		
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9		
10		

CAUTION
IF THIS SCALE BAR DOES NOT MEASURE 1" THE DOCUMENT IS NOT TO SCALE

JUSTIN P. BRINKMAN
NOT VALID WITHOUT SEAL NO. 91755
07/28/2023
STATE OF FLORIDA
PROFESSIONAL ENGINEER
FL. REG. NO. 91755

DESIGN	D.B.
DRAWN	J.G.
APPROVED	D.B.
SHEET NO.	C5.2



KPMFranklin
ENGINEERS • PLANNERS • SURVEYORS

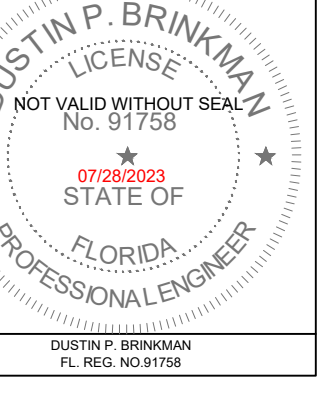
6300 HAZELTINE NATIONAL DR.
STE. 118 ORLANDO, FL 32822
PHONE (407)410-8624 COA 32059

NO.	DATE	DESCRIPTION
1	4/7/14	Water Meter Service
2	4/7/14	ARV Detail

DATE	DESCRIPTION
07/28/23	FINAL SITE PLAN SUBMITTAL 3
08/16/23	FINAL SITE PLAN SUBMITTAL 2
05/05/23	FINAL SITE PLAN SUBMITTAL 1
STATUS:	100% BID & CONSTRUCT

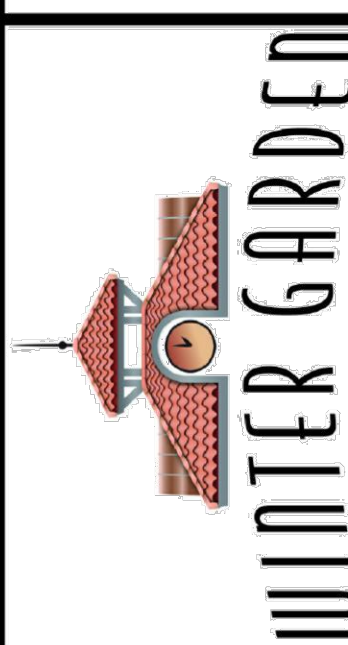
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CAUTION
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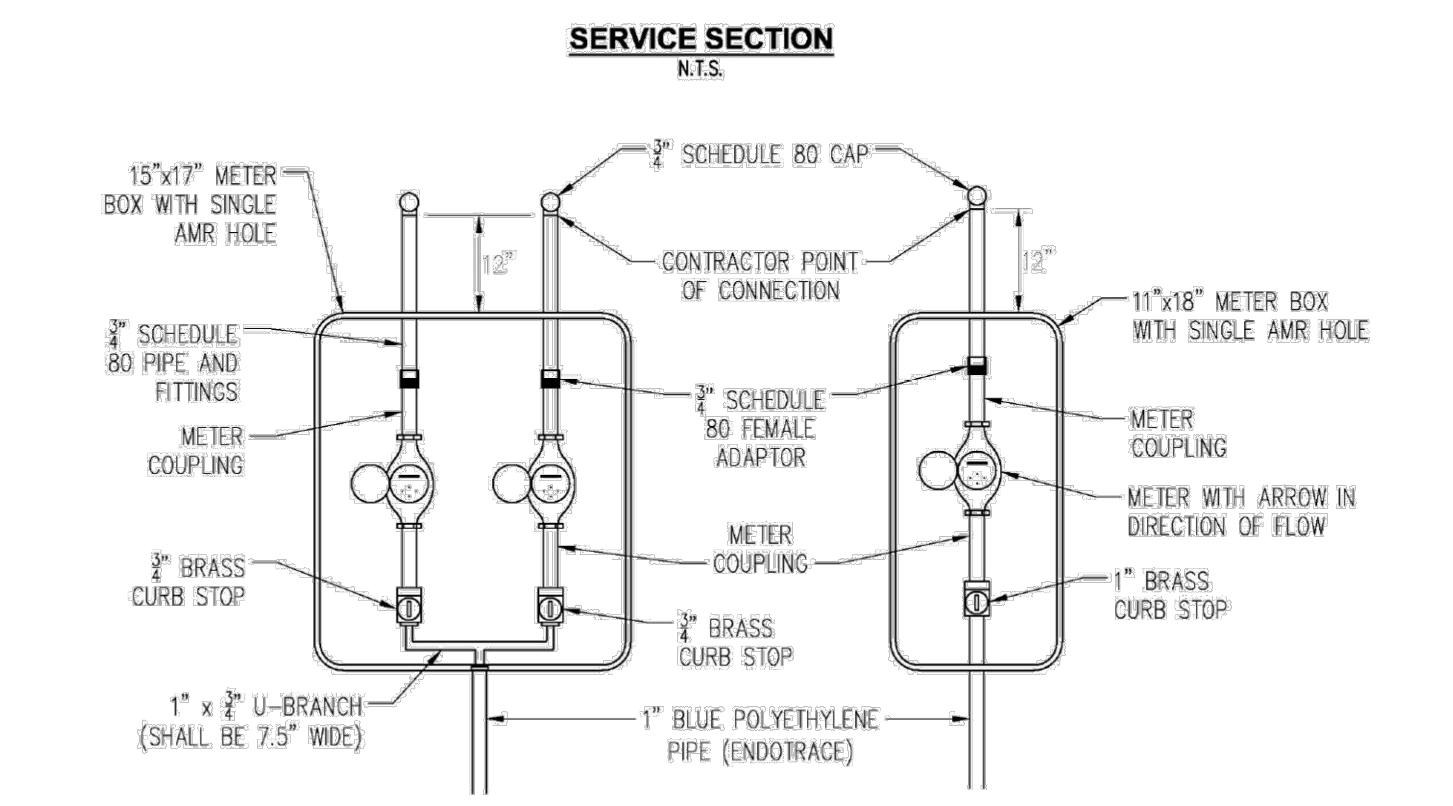
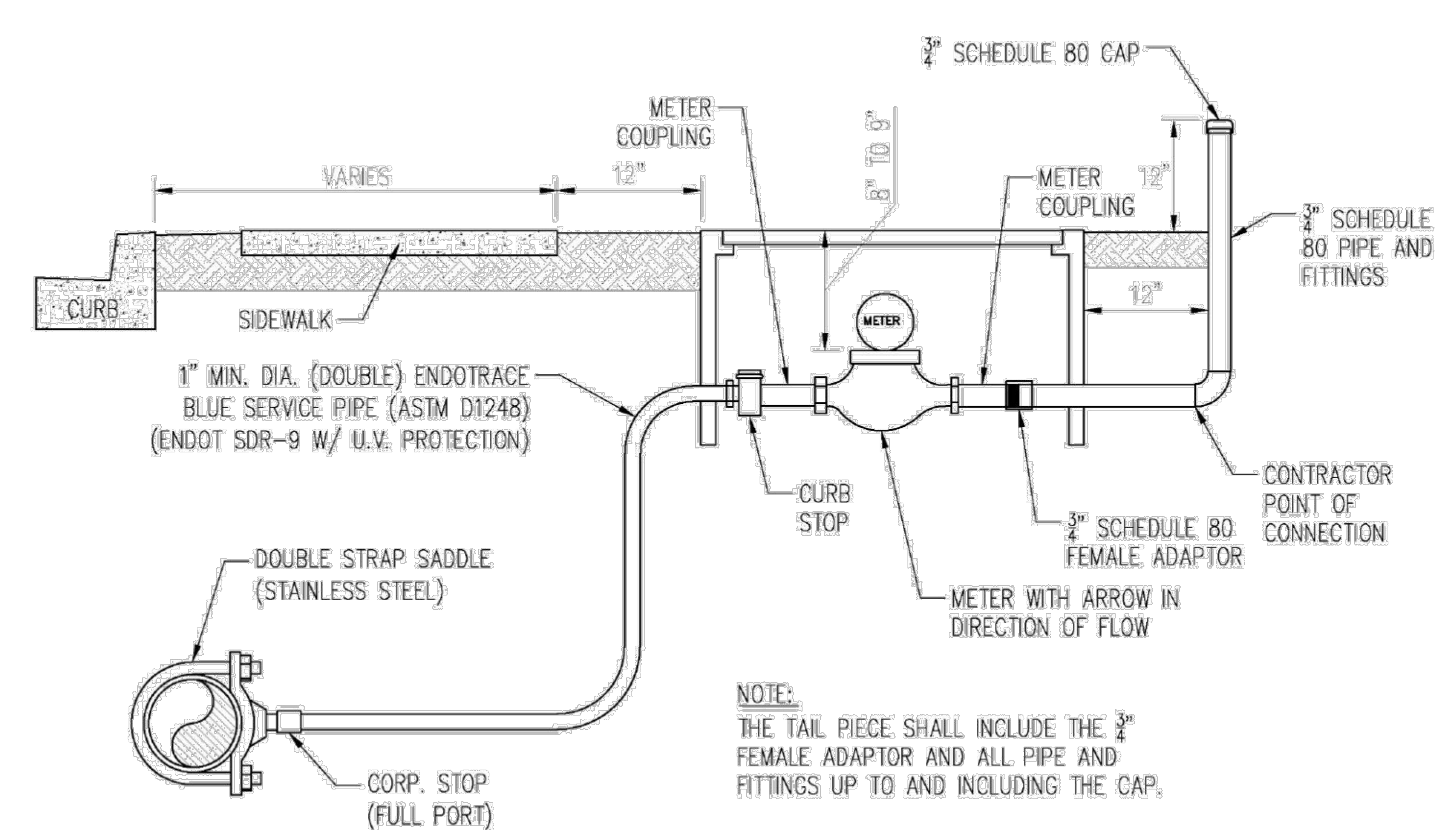
FOR NO.	22-0334.000
DESIGN	D.B.
DRAWN	J.G.
APPROVED	D.B.
SHEET NO.	C5.3

CITY OF WINTER GARDEN, FLORIDA STANDARDS AND SPECIFICATIONS FOR UTILITIES CONSTRUCTION



STANDARD DETAILS FOR POTABLE WATER SYSTEMS

DATE
JUNE 2018
SHEET
8
OF 11

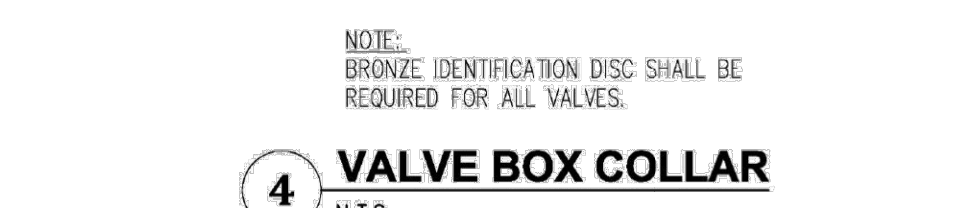
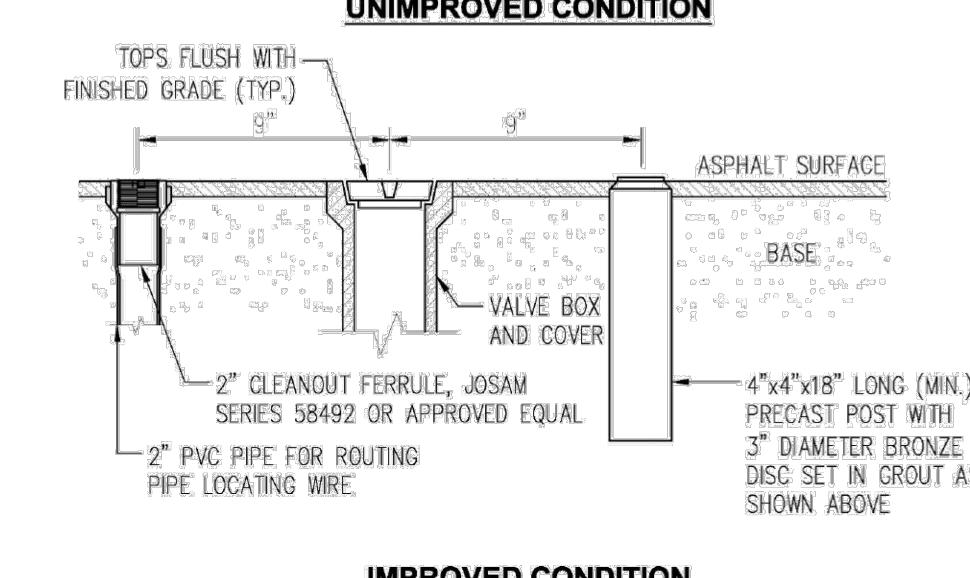
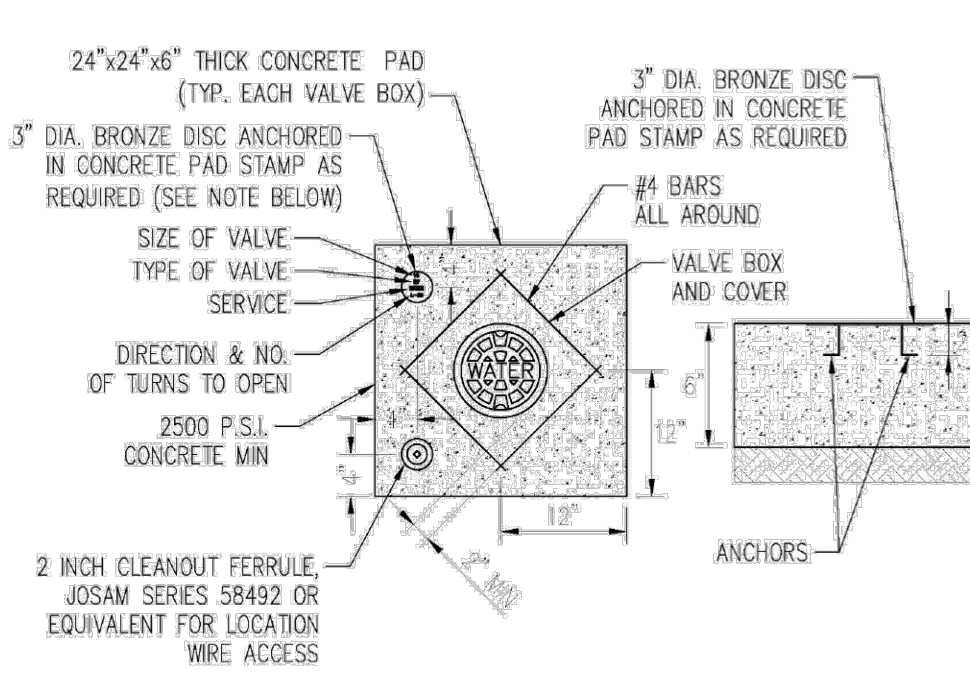


- DOUBLE SERVICE (TOP VIEW)** N.T.S. **SINGLE SERVICE (TOP VIEW)** N.T.S.
- NOTES:
- ALL FITTINGS BETWEEN THE WATER MAIN AND THE METER COUPLING SHALL BE BRASS WITH COMPRESSION/PACK JOINT CONNECTIONS.
 - NO SERVICE LINE SHALL TERMINATE UNDER A DRIVEWAY.
 - EACH SERVICE SHALL TERMINATE IN A METER BOX ASSEMBLY, WHICH SHALL BE PLACED TO GRADE IN THE UTILITY EASEMENT AT THE PROPERTY LINE(S) OF THE LOT(S) TO BE SERVED.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION TO AND INCLUDING THE METER BOX ASSEMBLY. THE CITY SHALL FURNISH THE METER AND THE TAIL PIECE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SETTING THE METER BOX ASSEMBLY TO FINISH GRADE AND MAKING ANY GRADE ADJUSTMENTS TO THE METER BOX IF REGRADING OCCURS.
 - ALL SERVICE LINES SHALL BE POLY ENDOTRACE PIPE AND SHALL BE BLUE IN COLOR W/WIRE.
 - THE POINT OF CONNECTION IS LOCATED ONE FOOT BEYOND THE METER BOX. THE PLUMBER/CUSTOMER SHALL BE RESPONSIBLE FOR MAINTENANCE BEYOND THE POINT OF CONNECTION.
 - IN NO CASE IS METER TO BE INSTALLED IN SIDEWALK OR OTHER PAVED AREAS.

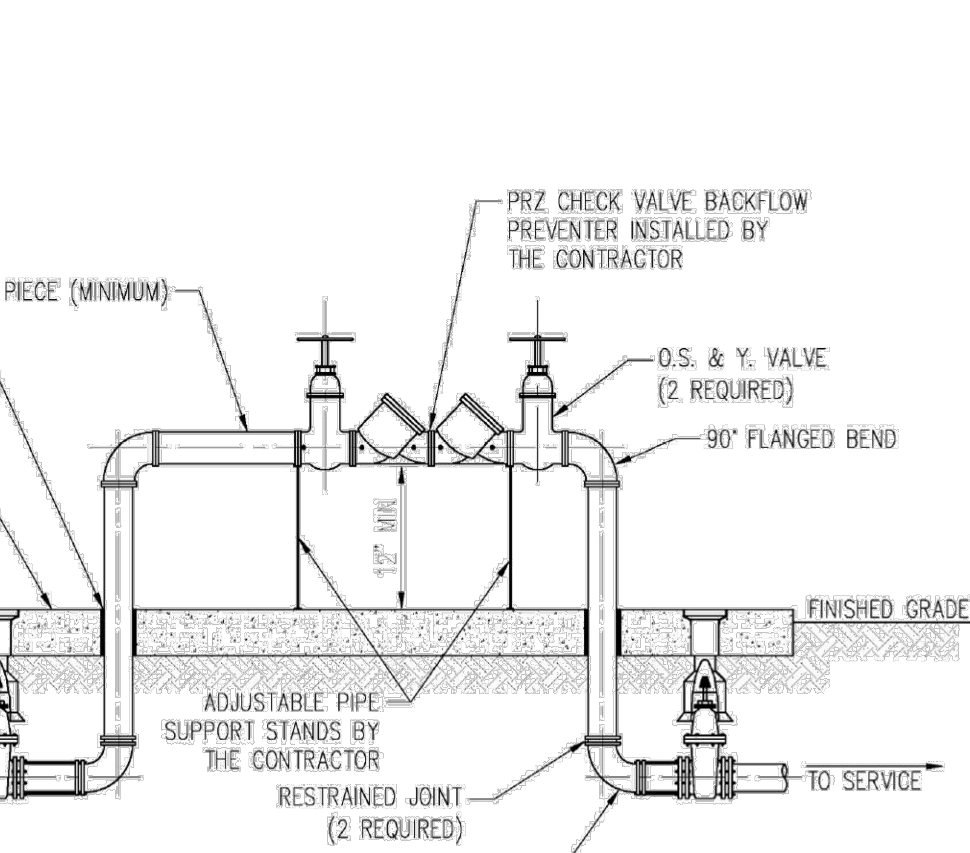
6 WATER SERVICE DETAIL N.T.S.

WINTER GARDEN STANDARDS INCORPORATED WITH DESIGN ENGINEERS DOCUMENTS:

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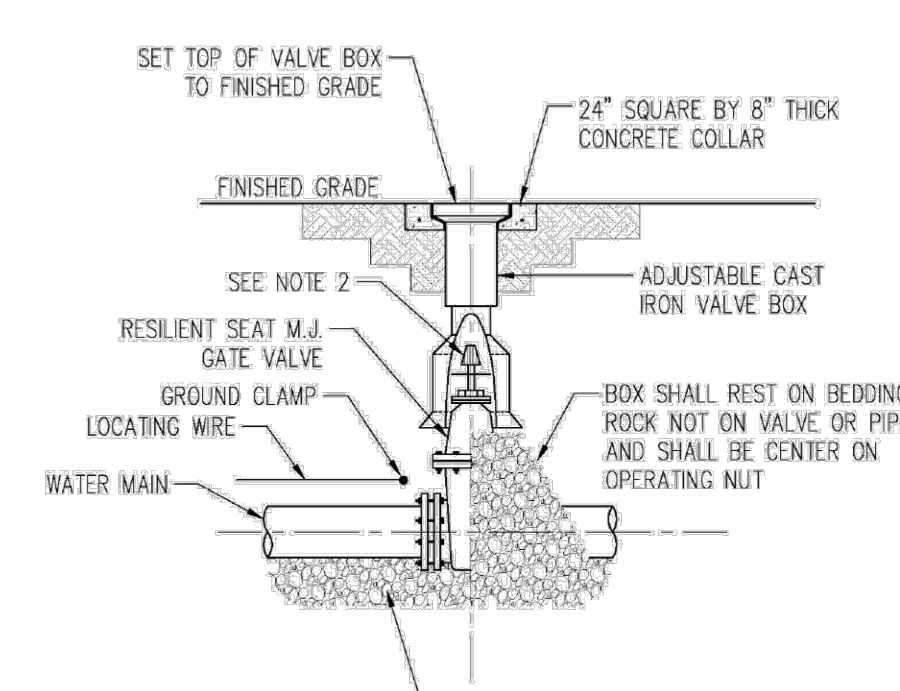


4 VALVE BOX COLLAR N.T.S.



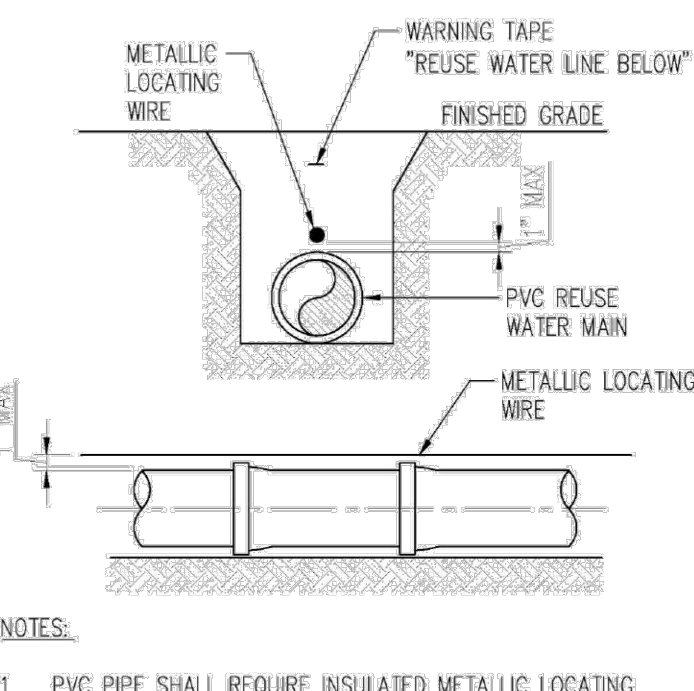
- NOTES:
- ALL PIPE AND FITTINGS 2" AND SMALLER SHALL BE THREADED SCHEDULE 80 PVC. NO GALVANIZED PIPE ALLOWED.
 - ALL PIPE LARGER THAN 2 INCH SHALL BE FLANGED DUCTILE IRON PIPE.
 - RECLAIMED WATER JUMPER SHALL BE SIZE ON SIZE.

7 RECLAIMED WATER JUMPER CONNECTION N.T.S.



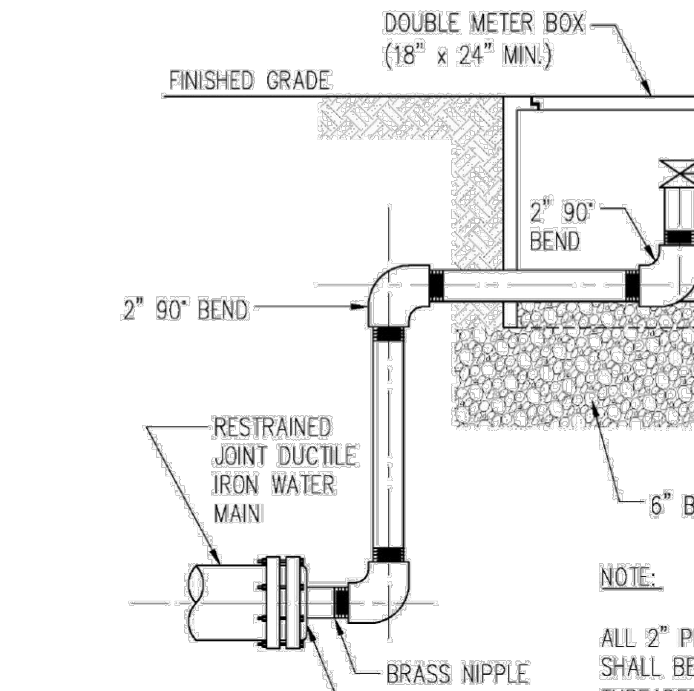
- NOTES:
- PVC EXTENSIONS SHALL NOT BE USED ON VALVE BOX INSTALLATION.
 - THE ACTUATING NUT FOR DEEPER VALVES SHALL BE EXTENDED TO COME UP TO 4 FOOT DEPTH BELOW FINISHED GRADE.

3 GATE VALVE & BOX DETAIL N.T.S.

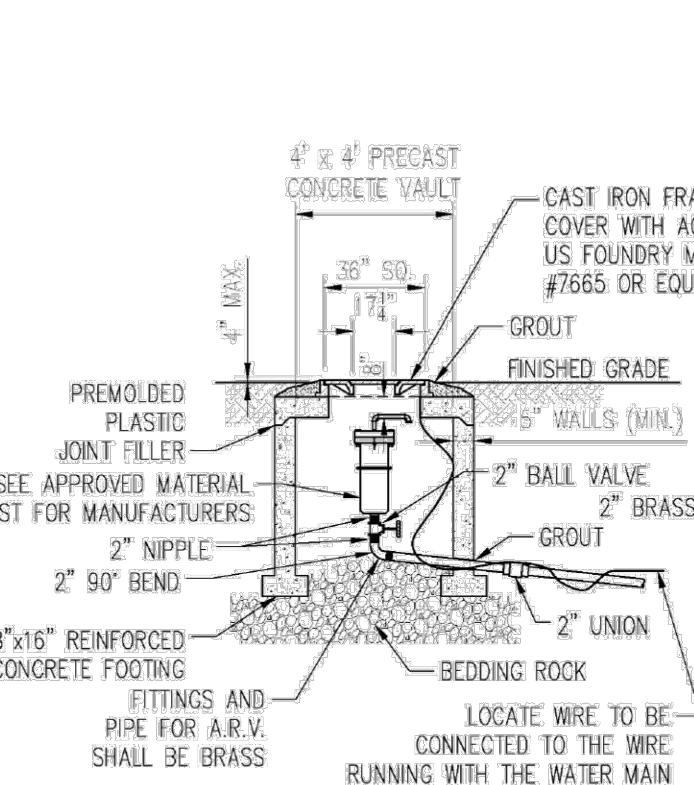


- NOTES:
- PVC PIPE SHALL REQUIRE INSULATED METALLIC LOCATING WIRE (10 GAUGE COPPER) CAPABLE OF DETECTION BY A CABLE LOCATOR AND SHALL BE ATTACHED TO THE TOP OF PIPE WITH DUCT TAPE, AT LEAST 5 TIMES PER JOINT.
 - LOCATING ROD SHALL TERMINATE AT THE TOP OF EACH VALVE BOX AND BE CAPABLE OF EXTENDING ABOVE TOP OF BOX 1/2" SO AS NOT TO INTERFERE WITH VALVE OPERATION.

2 PVC PIPE LOCATING WIRE DETAIL N.T.S.

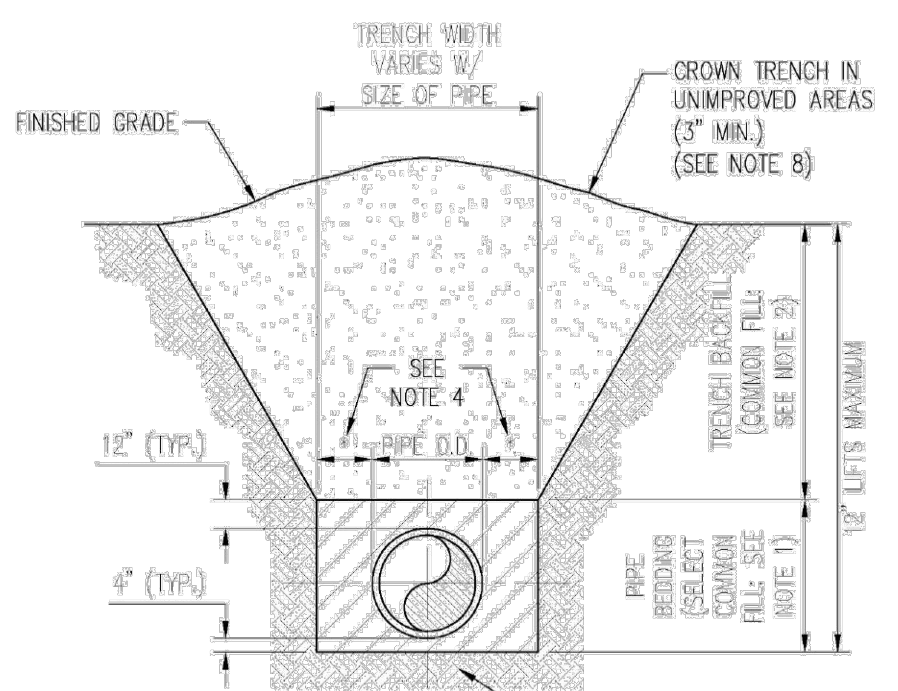


5 BLOWOFF VALVE DETAIL N.T.S.



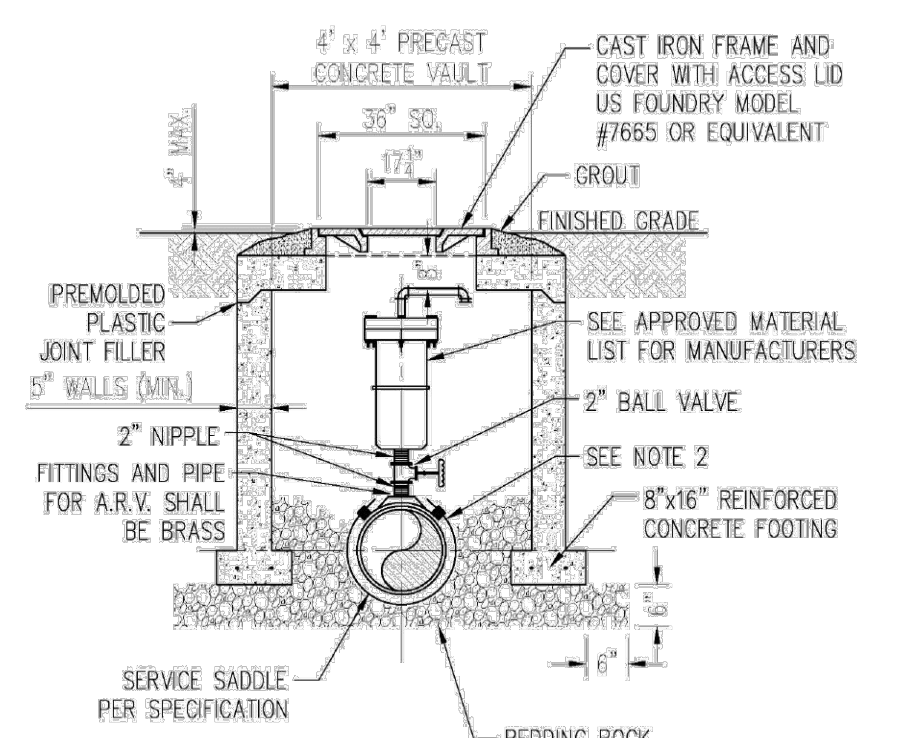
- NOTES:
- THE MINIMUM DIMENSION FROM TOP OF PIPE TO FINISHED GRADE SHALL BE 4.0 FEET.
 - DOUBLE STRAP SADDLE AND WRAP WITH TWO LAYERS OF WIDE PLASTIC OR POLY TAPE WITH STAINLESS STEEL STRAP.
 - PIPE INSTALLATION SHALL BE SUCH THAT THE A.R.V. IS LOCATED AT THE HIGHEST POINT IN THE RESPECTIVE SEGMENT.
 - INTERIOR AND EXTERIOR CONCRETE SURFACES SHALL RECEIVE PROTECTIVE COATING AS SPECIFIED FOR VALVE VAULTS.
 - CAST IRON FRAME, COVER AND ACCESS LID SHALL BE INSTALLED FLUSH WITH FINISHED GRADE.
 - COVER SHALL READ "WINTER GARDEN UTILITIES DIVISION, "SEWER" RECLAIMED WATER OR POTABLE WATER".
 - NO GALVANIZED PIPE/VALVES.
 - LOCATE WIRE IN THE ARV VAULT SHALL BE SPLICED TO THE WIRE RUNNING WITH THE WATER MAIN AND EXCESS WIRE TO BE PLACED IN ARV VAULT. THE POINT OF CONNECTION AT THE MAIN SHALL HAVE A WATER PROOF CONNECTOR.

9 OFFSET AIR RELEASE VALVE ASSEMBLY N.T.S.



- NOTES:
- PIPE BEDDING: SELECT COMMON FILL COMPACTED TO 98% OF THE MAXIMUM DENSITY AS PER AASHTO T-180 AND CONTAINING NO MORE THAN 5% PASSING #200 SIEVE.
 - TRENCH BACKFILL: COMMON FILL COMPACTED TO 98% OF THE MAXIMUM DENSITY AS PER AASHTO T-180 AND CONTAINING NO MORE THAN 5% PASSING #200 SIEVE.
 - PIPE BEDDING UTILIZING SELECT COMMON FILL OR BEDDING ROCK IN ACCORDANCE WITH TYPE A BEDDING AND TRENCHING MAY BE REQUIRED AS DIRECTED BY THE CITY OF WINTER GARDEN.
 - (*) 1/2" MAX. FOR PIPE DIAMETER LESS THAN 24", AND 2/3" MAX. FOR PIPE DIAMETER 24" LARGER.
 - WATER SHALL NOT BE PERMITTED IN THE TRENCH DURING CONSTRUCTION.
 - ALL PIPE TO BE INSTALLED WITH BELL FACING UPSTREAM TO THE DIRECTION OF THE FLOW.
 - REFER TO SECTION 32.5 OF THE CITY OF WINTER GARDEN MANUAL OF STANDARDS AND SPECIFICATIONS FOR WASTEWATER AND WATER MAIN CONSTRUCTION FOR SHEETING AND BRACING IN EXCAVATIONS.
 - FINAL RESTORATION IN IMPROVED AREAS SHALL BE IN COMPLIANCE WITH ALL APPLICABLE REGULATIONS OF GOVERNING AGENCIES. SURFACE RESTORATION WITHIN CITY OF WINTER GARDEN RIGHT-OF-WAY SHALL COMPLY WITH REQUIREMENTS OF RIGHT-OF-WAY UTILIZATION REGULATIONS AND ROAD CONSTRUCTION SPECIFICATIONS.

1 STANDARD BEDDING DETAIL N.T.S.



- NOTES:
- THE MINIMUM DIMENSION FROM TOP OF PIPE TO FINISHED GRADE SHALL BE 3.0 FEET.
 - DOUBLE STRAP SADDLE AND WRAP WITH TWO LAYERS OF WIDE PLASTIC OR POLY TAPE WITH STAINLESS STEEL STRAP.
 - PIPE INSTALLATION SHALL BE SUCH THAT THE A.R.V. IS LOCATED AT THE HIGHEST POINT IN THE RESPECTIVE SEGMENT.
 - INTERIOR AND EXTERIOR CONCRETE SURFACES SHALL RECEIVE PROTECTIVE COATING AS SPECIFIED FOR VALVE VAULTS.
 - CAST IRON FRAME, COVER AND ACCESS LID SHALL BE INSTALLED FLUSH WITH FINISHED GRADE.
 - COVER SHALL READ "WINTER GARDEN UTILITIES DIVISION AND "RECLAIMED WATER".
 - NO GALVANIZED PIPE/VALVES.

8 AIR RELEASE VALVE & VAULT N.T.S.

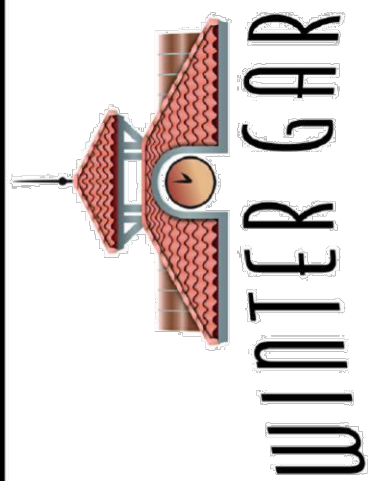


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NO.	DATE	DESCRIPTION
1	4/27/14	BRICK TYPICAL SECTION
2	07/28/23	FINAL SITE PLAN SUBMITTAL 3
3	08/16/23	FINAL SITE PLAN SUBMITTAL 2
4	05/05/23	FINAL SITE PLAN SUBMITTAL 1
STATUS: 100% BID & CONSTRUCT		

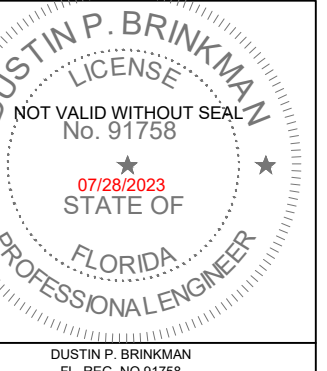
CITY OF WINTER GARDEN, FLORIDA
STANDARDS AND SPECIFICATIONS
FOR ROADWAY & DRAINAGE CONSTRUCTION



STANDARD DETAILS
FOR
PUBLIC SERVICES

CITY DETAILS
WMG RETAIL CENTER

CAUTION
IF THIS SCALE BAR
DOES NOT MEASURE 1"
THE DOCUMENT IS
NOT TO SCALE



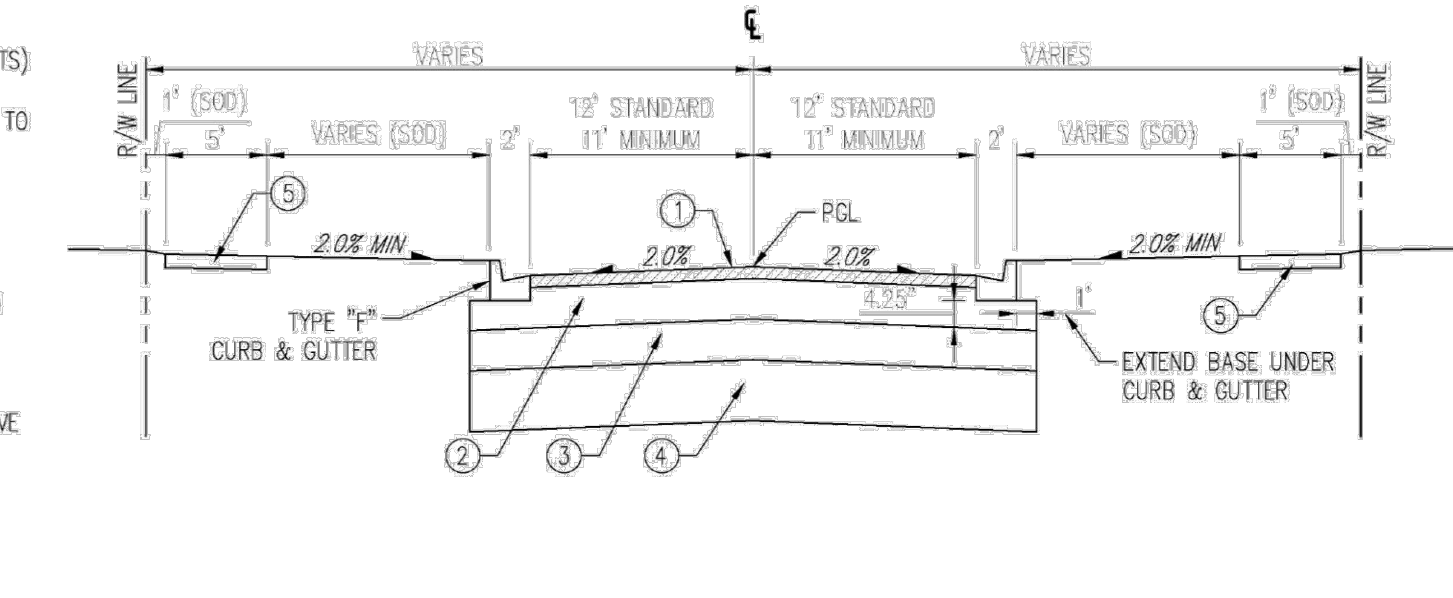
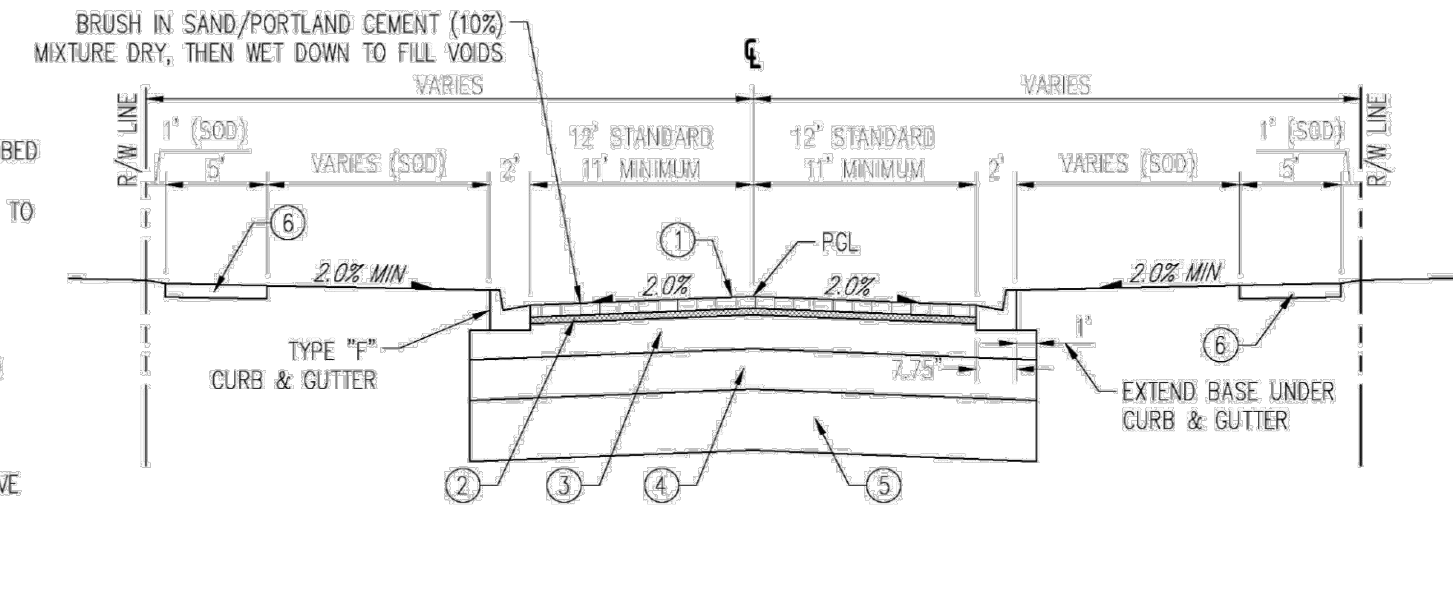
PROJECT NO. 22-0334.000
DESIGN: D.B.
DRAWN: J.G.
APPROVED: D.B.
SHEET NO. C5.5

DATE
JUNE 2018

SHEET

10

10 OF 11

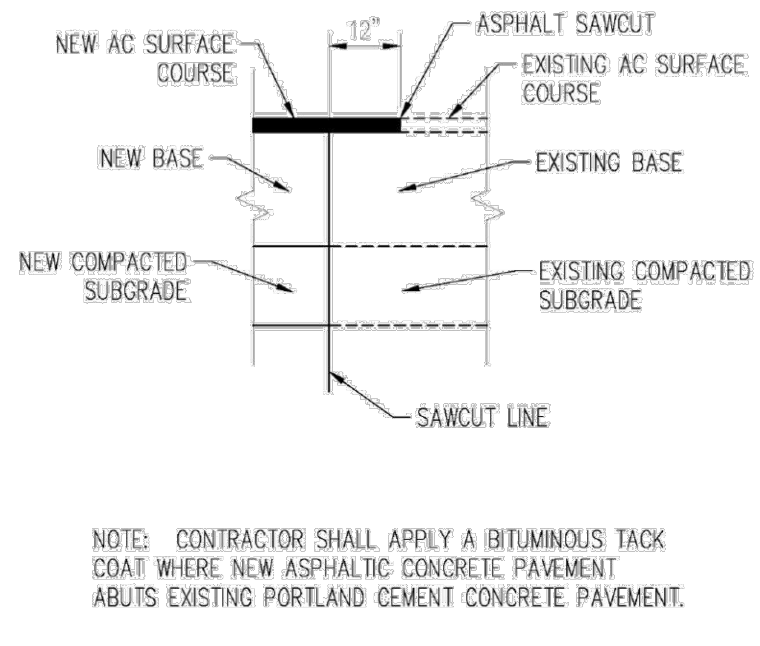


- PAVEMENT DESIGN**
- 3.5" BRICKS
 - 1" - 2" LOOSE CONCRETE FINES LEVELING BED
 - 10" BASE - COMPACTED CONCRETE FINES TO 98% MAX. DENSITY (AASHTO T-134). ASPHALTIC PRIME COAT APPLIED AT 0.15 GAL/SF
 - 12" COMPACTED SUBGRADE (98% DENSITY) AASHTO T-180 AND LBR 40
 - 18" OF NATIVE OR IMPORTED MATERIAL HAVING LESS THAN 5% PASSING #200 SIEVE COMPACTED TO 98% PER AASHTO T-180
 - 4" THICK CONCRETE SIDEWALK

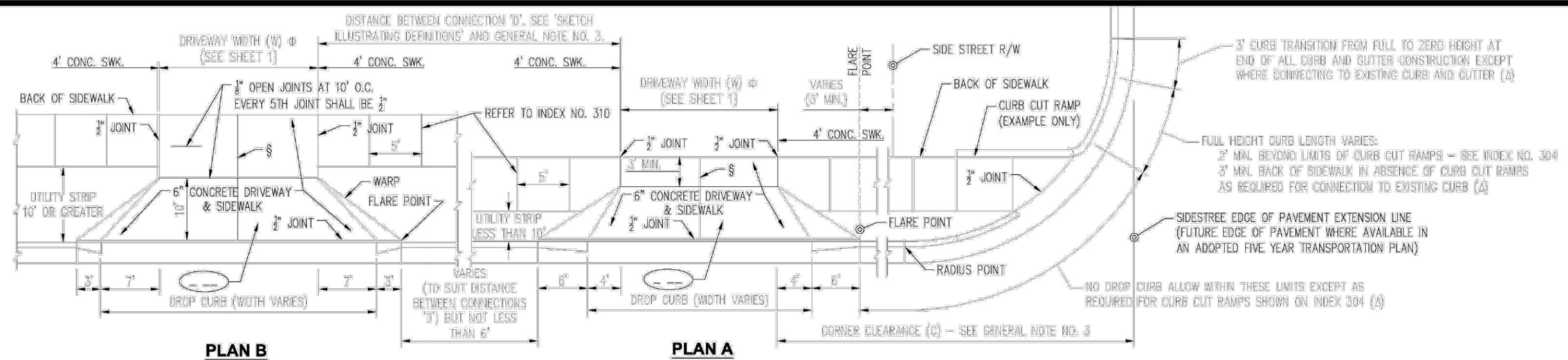
- PAVEMENT DESIGN**
- 2" TYPE 5-1 STRUCTURAL COURSE (2 LIFTS)
 - 10" BASE TYPE SOIL CEMENT COMPACTED TO 98% MAX. DENSITY (AASHTO T-134). ASPHALTIC PRIME COAT APPLIED AT 0.15 GAL/SF 300 PSI 7-DAY COMPRESSIVE STRENGTH
 - 12" COMPACTED SUBGRADE (98% DENSITY) AASHTO T-180 AND LBR 40
 - 18" OF NATIVE OR IMPORTED MATERIAL HAVING LESS THAN 5% PASSING #200 SIEVE COMPACTED TO 98% PER AASHTO T-180
 - 4" THICK CONCRETE SIDEWALK



1 RIBBON CURB WITH BRICK PAVERS
N.T.S.

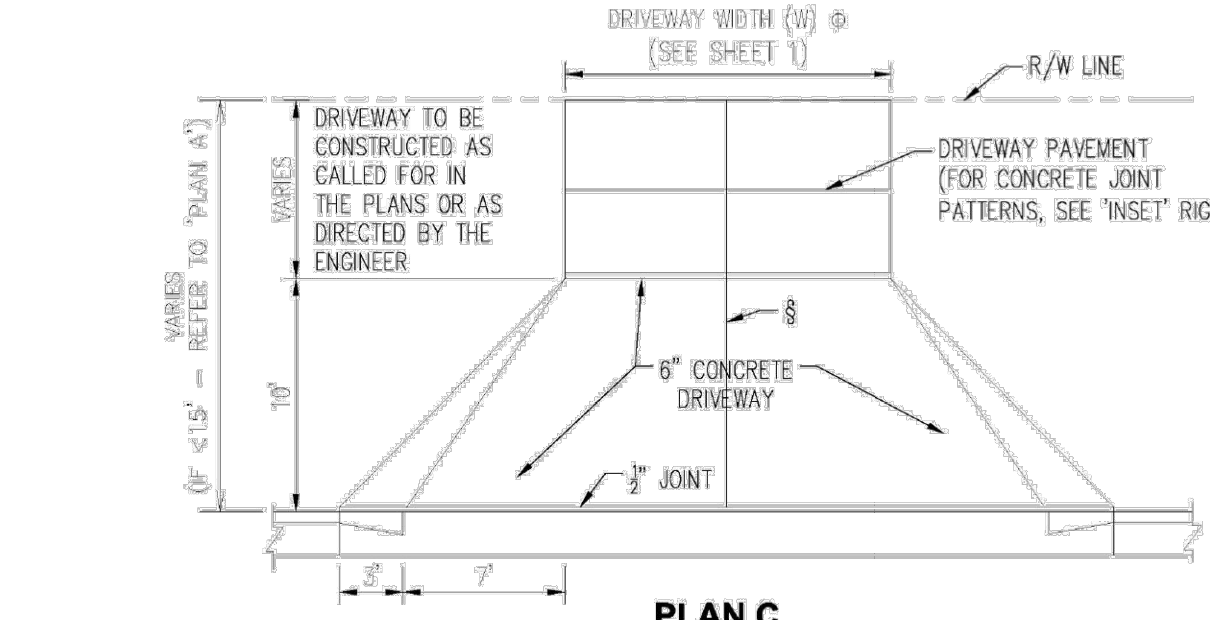


1 SAWCUT TYPICAL DETAIL
N.T.S.

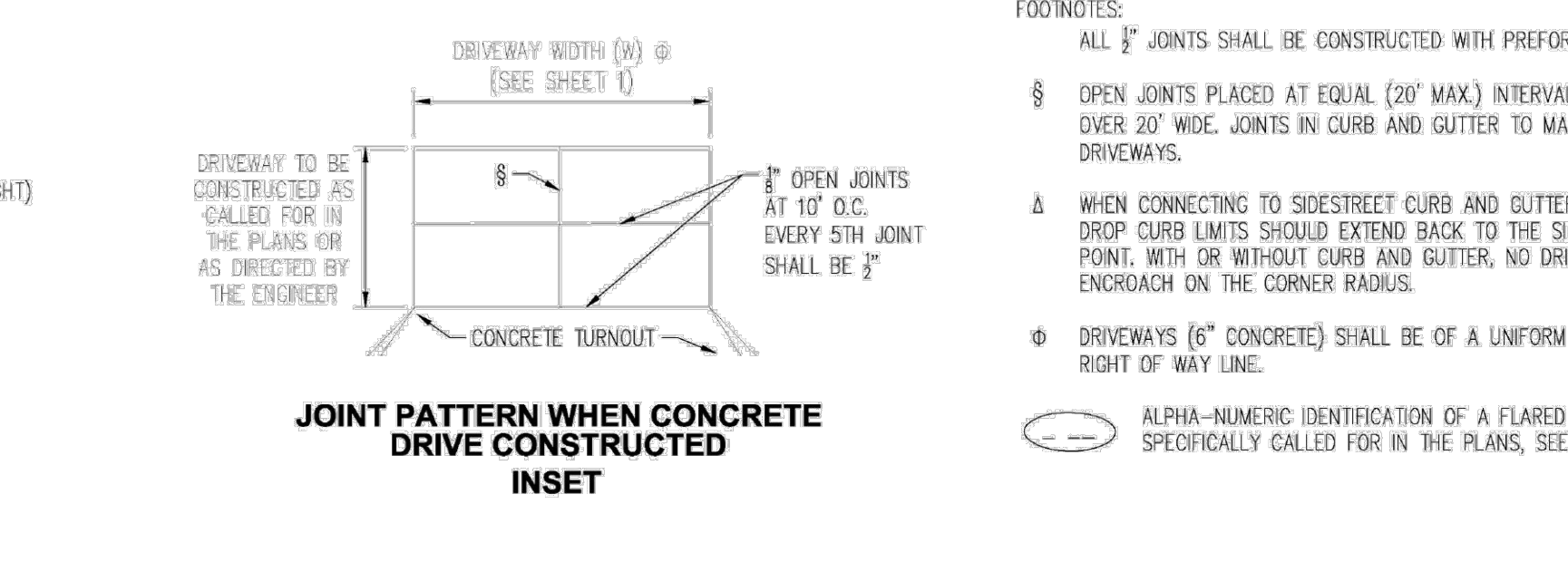


PLAN B
TURNOUT WITH SIDEWALK AND UTILITY STRIP (10' OR GREATER)

PLAN A
TURNOUT WITH SIDEWALK AND UTILITY STRIP (LESS THAN 10')



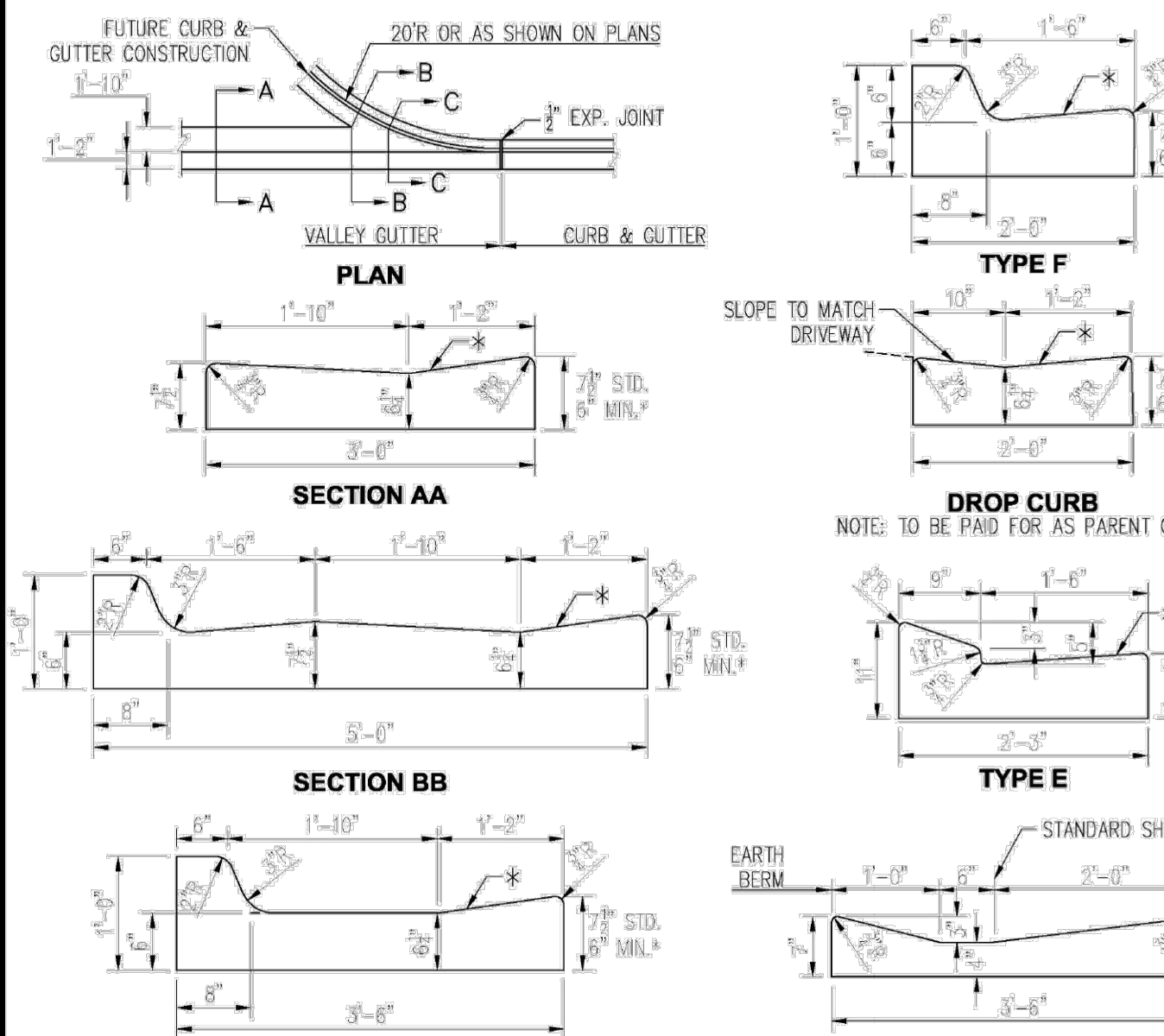
PLAN C
TURNOUT WITHOUT SIDEWALK



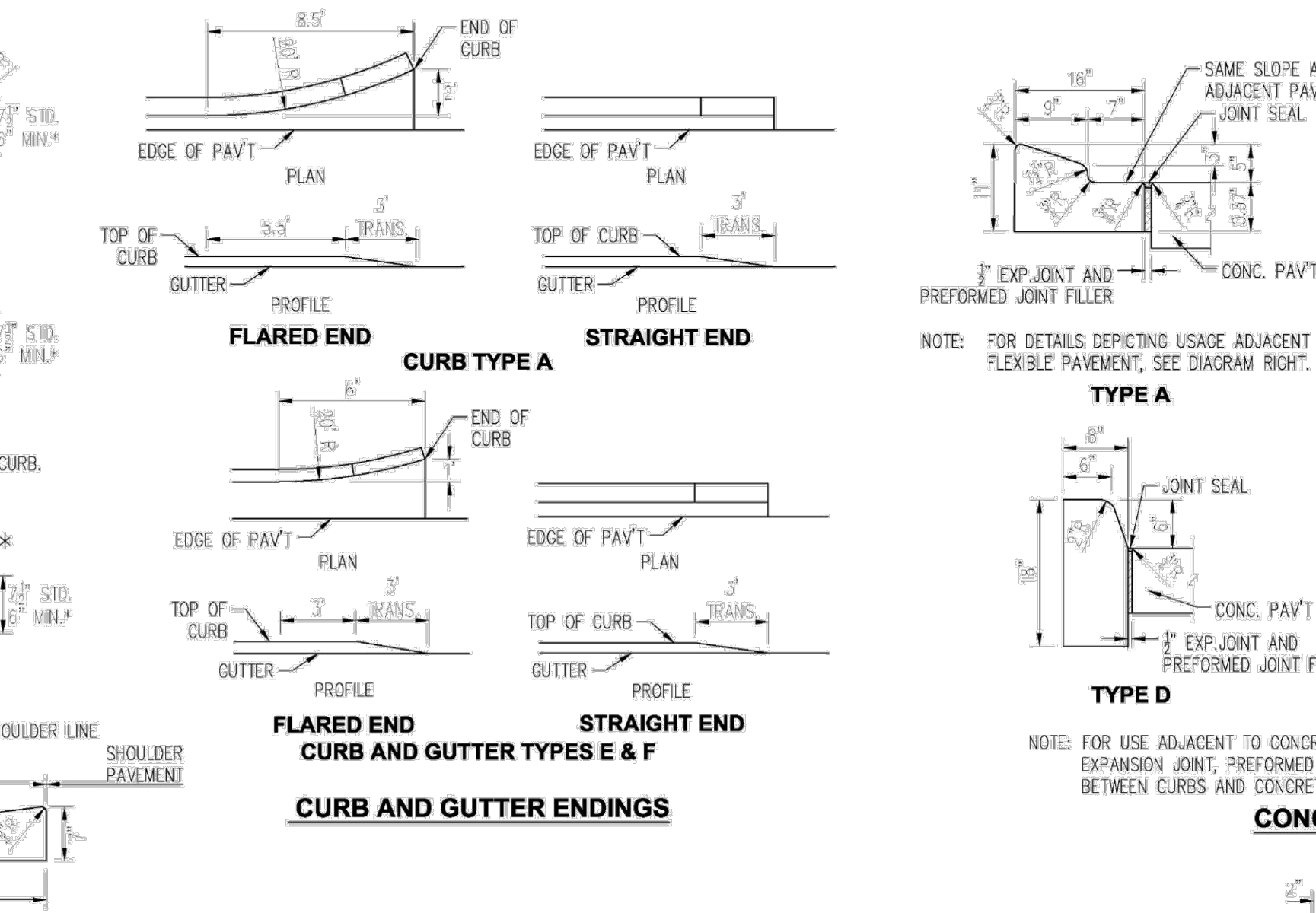
JOINT PATTERN WHEN CONCRETE DRIVE CONSTRUCTED INSET

- SPECIAL NOTES FOR URBAN FLARED TURNOUTS**
- DRIVEWAY 6" CONCRETE PAVEMENT AND DROP CURB SHALL MEET THE MATERIAL AND CONSTRUCTION REQUIREMENTS OF SECTIONS 522 AND 520 RESPECTIVELY OF THE FOOT STANDARD SPECIFICATIONS. THE DRIVEWAY FOUNDATION SHALL MEET THE REQUIREMENT OF SUBARTICLE 522-4.
 - FOR DETAILS OF DROP CURB AND CURB CUT RAMP REFER TO INDEXES NOS. 300 AND 304 RESPECTIVELY.
 - WHERE TURNOUTS ARE CONSTRUCTED WITHIN EXISTING CURB AND GUTTER, THE EXISTING CURB AND GUTTER SHALL BE REMOVED EITHER TO THE NEAREST JOINT BEYOND THE FLARE POINT OR TO THE EXTENT THAT NO REMAINING SECTION IS LESS THAN 6 FEET LONG, AND, DROP CURB CONSTRUCTION IN ACCORDANCE WITH NOTES NOS. 1 AND 2.
 - COST FOR PREFORMED JOINT FILLER SHALL BE INCLUDED IN THE COST FOR THE CONCRETE PAVEMENT (CONCRETE SIDEWALK, 6" THICK).
 - FOR TURNOUTS WITH RADIAL RETURNS SEE THE REQUIREMENTS UNDER THE "SUMMARY OF GEOMETRIC REQUIREMENTS FOR TURNOUTS", THE "GENERAL NOTES", THE DETAILS OF "RURAL TURNOUT CONSTRUCTION" AND THE DETAIL OF "LIMITS OF CLEARING & GRUBBING, STABILIZATION AND BASE AT INTERSECTIONS".
 - DEPARTMENT MAINTENANCE OF PAVEMENT SHALL EXTEND OUT TO THE RIGHT OF WAY OR 2 FEET BACK OF SIDEWALK, WHICHEVER DISTANCE IS LESS.
 - THE MAINTENANCE AND OPERATION OF HIGHWAY LIGHTING, TRAFFIC SIGNALS, ASSOCIATED EQUIPMENT, AND OTHER NECESSARY DEVICES SHALL BE THE RESPONSIBILITY OF A PUBLIC AGENCY.
 - ALL PAVEMENT MARKINGS ON THE STATE HIGHWAYS, INCLUDING ACCELERATION AND DECELERATION LANE MARKINGS, AND SIGNING INSTALLED FOR THE OPERATION OF THE STATE HIGHWAY SHALL BE MAINTAINED BY THE DEPARTMENT.
 - ALL SIGNING AND MARKING INSTALLED FOR THE OPERATION OF THE CONNECTION (SUCH AS STOP BARS AND STOP SIGNS FOR THE CONNECTION) SHALL BE THE RESPONSIBILITY OF THE PERMITTEE.
 - TURNOUTS WILL BE PAID FOR UNDER THE CONTRACT UNIT PRICE FOR SIDEWALK CONCRETE (6" THICK), SY.
- DESIGN NOTES FOR URBAN FLARED TURNOUTS**
- DRIVEWAYS INDICATED AS "ADVERSE APPLICATIONS" ARE THOSE WITH SLOPES THAT CAN CAUSE OVERHANG DRAG FOR REPRESENTATIVE STANDARD PASSENGER VEHICLES UNDER FULLY LOADED CONDITIONS, OR THOSE WITH SLOPES THAT CAN CAUSE DRIVERS WHO ARE LEAVING THE ROADWAY TO SLOW OR PAUSE TO THE EXTENT THAT TRAFFIC DEMAND VOLUMES WILL BE IMPEDED.
 - THE STANDARD FLARED DRIVEWAYS ON THIS INDEX MAY NOT ACCOMMODATE VEHICLES WITH LOW BEDS, LOW UNDERCARRIAGE OR LOW APPENDAGE FEATURES, WHERE SUCH VEHICLES ARE DESIGN VEHICLES DRIVEWAYS ARE TO HAVE SITE SPECIFIC FLARE DESIGNS OR CATEGORY "A" DESIGNS.
 - WHEN SPECIFIC FLARE TYPE DRIVEWAYS ARE TO BE CONSTRUCTED, THE TYPE SHALL BE DESIGNATED IN THE PLANS USING THE ASSIGNED ALPHA-NUMERIC DESIGNATION.
- FOOTNOTES:**
- ALL 1/2" JOINTS SHALL BE CONSTRUCTED WITH PREFORMED JOINT FILLER.
 - OPEN JOINTS PLACED AT EQUAL (20' MAX) INTERVALS FOR DRIVEWAYS OVER 20' WIDE. JOINTS IN CURB AND GUTTER TO MATCH JOINTS IN DRIVEWAYS.
 - WHEN CONNECTING TO SIDEWALK CURB AND GUTTER SECTIONS, THE NO DROP CURB LIMITS SHOULD EXTEND BACK TO THE SIDEWALK RADIUS POINT, WITH OR WITHOUT CURB AND GUTTER, NO DRIVEWAY SHOULD ENDOACH ON THE CORNER RADIUS.
 - DRIVEWAYS (6" CONCRETE) SHALL BE OF A UNIFORM WIDTH (W) TO THE RIGHT OF WAY LINE.
 - ALPHA-NUMERIC IDENTIFICATION OF A FLARED DRIVEWAY TYPE SPECIFICALLY CALLED FOR IN THE PLANS, SEE SHEETS 3 AND 4.

Note: See sheet 1 for "GENERAL NOTES"



CONCRETE CURB AND GUTTER



CONCRETE CURB AND GUTTER ENDINGS

NOTE: FOR USE ADJACENT TO CONCRETE OR FLEXIBLE PAVEMENT, CONCRETE SHOWN. FOR DETAILS DEPICTING USAGE ADJACENT TO FLEXIBLE PAVEMENT, SEE DIAGRAM RIGHT. EXPANSION JOINT, PREFORMED JOINT FILLER AND JOINT SEAL ARE REQUIRED BETWEEN CURB & GUTTER AND CONCRETE PAVEMENT ONLY, SEE DIAGRAM RIGHT.

NOTE: FOR USE ADJACENT TO CONCRETE OR FLEXIBLE PAVEMENT, CONCRETE SHOWN. EXPANSION JOINT, PREFORMED JOINT FILLER AND JOINT SEAL ARE REQUIRED BETWEEN CURBS AND CONCRETE PAVEMENT ONLY, SEE DIAGRAM RIGHT.

WHEN USED ON HIGH SIDE OF ROADWAYS, THE CROSS SLOPE OF THE GUTTER SHALL MATCH THE CROSS SLOPE OF THE ADJACENT PAVEMENT. THE THICKNESS OF THE LIP SHALL BE 6", UNLESS OTHERWISE SHOWN ON PLANS.

NOTE: SAWCUTS SHOULD BE AVOIDED WITHIN VALLEY GUTTER AND WITHIN CURB AND GUTTER ENDINGS.

GENERAL NOTES

- FOR CURB, GUTTER AND CURB AND GUTTER PROVIDE 1/2" - 3/4" CONTRACTION JOINTS AT 10' CENTERS (MAX.). CONTRACTION JOINTS ADJACENT TO CONCRETE PAVEMENT ON TANGENTS AND FLAT CURVES ARE TO MATCH THE PAVEMENT JOINTS, WITH INTERMEDIATE JOINTS NOT TO EXCEED 10' CENTERS. CURB, GUTTER AND CURB & GUTTER EXPANSION JOINTS SHALL BE LOCATED IN ACCORDANCE WITH SECTION 520 OF THE STANDARD SPECIFICATIONS.
- ENDS OF CURBS TYPES B AND D SHALL TRANSITION FROM FULL TO ZERO HEIGHTS IN 3 FEET.

APPLIES TO BOTH HIGH AND LOW SIDES OF PAVEMENT, LOW SIDE SHOWN. CURB & GUTTER AND TYPE A CURB ADJACENT TO FLEXIBLE PAVEMENT

APPLIES TO BOTH HIGH AND LOW SIDES OF PAVEMENT, LOW SIDE SHOWN. EXPANSION JOINT BETWEEN GUTTER AND CONCRETE PAVEMENT

