

FINAL DEVELOPMENT PLANS

FOR

LOT 7A

STREETS OF WEST PRYOR

UTILITIES

Electric Service
Evergy
Nathan Michael
913-347-4310
Nathan.michael@evergy.com

Gas Service
Spire
Katie Darnell
816-969-2247
Katie.darnell@spireenergy.com

Water/Sanitary Sewer
Water Utilities Department
1200 SE Hamblen Road
Lee's Summit, Mo 64081
Jeff Thorn
816-969-1900
jeff.thorn@cityofls.net

Communication Service
AT&T Carrie Cilke
816-703-4386
cc3527@att.com

Time Warner Cable
Steve Baxter
913-643-1928
steve.baxter@charter.com

Comcast
Ryan Alkire
816-795-2218
ryan.alkire@cable.comcast.com

Google Fiber
Becky Davis
913-725-8745
rebeccadavis@google.com



UTILITY STATEMENT:

THE UNDERGROUND UTILITIES SHOWN HEREON ARE FROM FIELD SURVEY INFORMATION OF ONE-CALL LOCATED UTILITIES, FIELD SURVEY INFORMATION OF ABOVE GROUND OBSERVABLE EVIDENCE, AND/OR THE SCALING AND PLOTTING OF EXISTING UTILITY MAPS AND DRAWINGS AVAILABLE TO THE SURVEYOR AT THE TIME OF SURVEY. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. FURTHERMORE, THE SURVEYOR DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES BY EXCAVATION UNLESS OTHERWISE NOTED ON THIS SURVEY.

SAFETY NOTICE TO CONTRACTOR

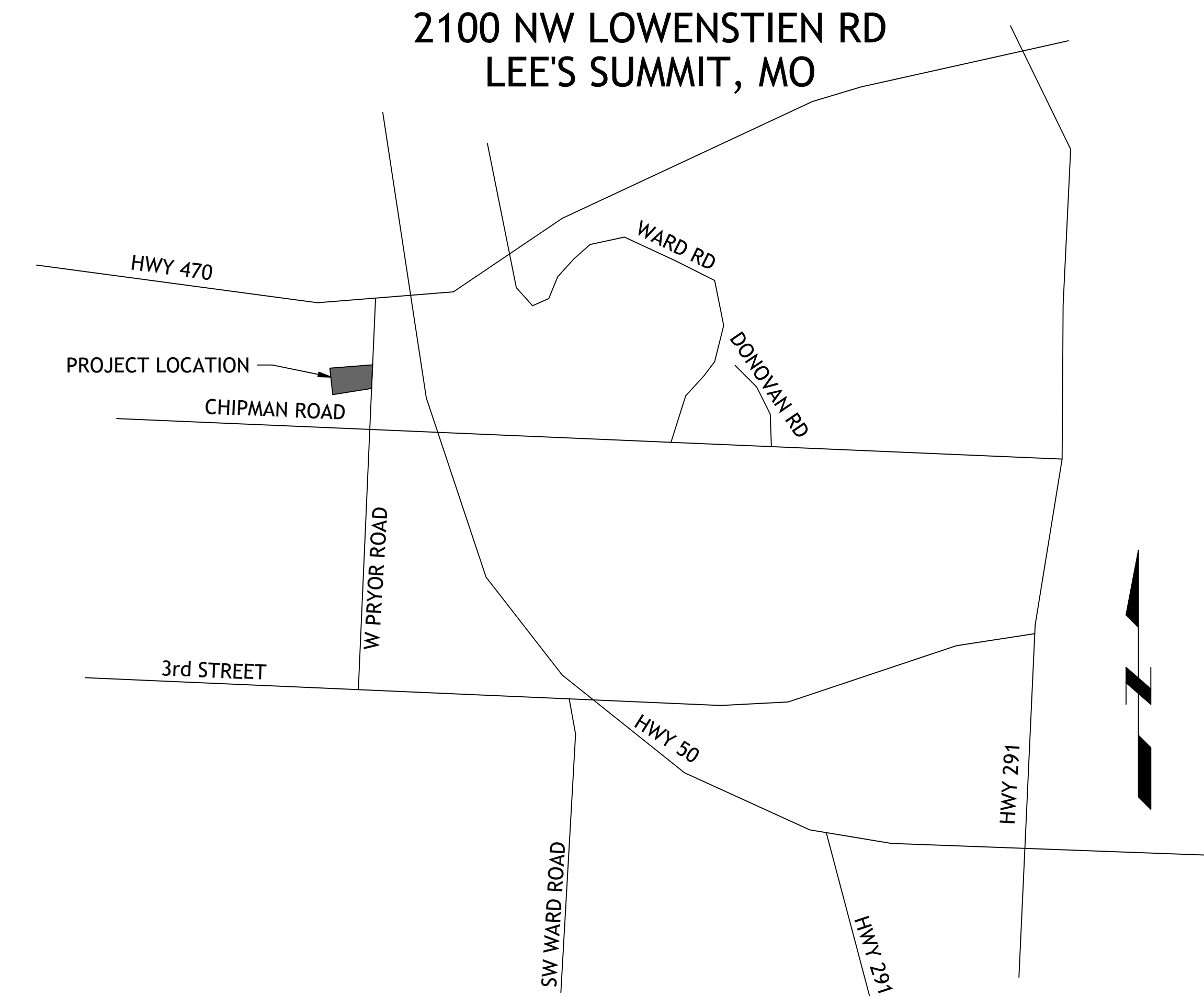
IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICE, THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.

WARRANTY/DISCLAIMER

THE DESIGNS REPRESENTED IN THESE PLANS ARE IN ACCORDANCE WITH ESTABLISHED PRACTICES OF CIVIL ENGINEERING FOR THE DESIGN FUNCTIONS AND USES INTENDED BY THE OWNER AT THIS TIME. HOWEVER, NEITHER SM ENGINEERING NOR ITS PERSONNEL CAN OR DO WARRANTY THESE DESIGNS OR PLANS AS CONSTRUCTED, EXCEPT IN THE SPECIFIC CASES WHERE SM ENGINEERING PERSONNEL INSPECT AND CONTROL THE PHYSICAL CONSTRUCTION ON A CONTEMPORARY BASIS AT THE SITE.

CAUTION- NOTICE TO CONTRACTOR

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH PROPOSED IMPROVEMENTS SHOWN ON THE PLANS. THE CONTRACTOR SHALL EXPOSE EXISTING UTILITIES AT LOCATIONS OF POSSIBLE CONFLICTS PRIOR TO ANY CONSTRUCTION.



LOCATION MAP

LEGAL DESCRIPTION:

LOT 7 & TRACT C STREET OF WEST PRYOR
LOTS 1 THRU 14, TRACTS A, B, C, & D TO LEE'S SUMMIT, MO, JACKSON COUNTY MISSOURI

ALL EXISTING TOPOGRAPHIC DATA AND INFRASTRUCTURE IMPROVEMENTS SHOWN BASED ON INFORMATION BY KAW VALLEY ENGINEERING

BENCHMARKS:

#1 CHISELED "SQUARE" ON TOP OF CURB POINT OF INTERSECTION OF WEST PARK PARKING LOT AT EAST DRIVE ENTRANCE
ELEVATION 985.05

#2 CHISELED "SQUARE" ON NORTHWEST CORNER AREA INLET, 25' EAST OF CURB LINE AND ON-LINE WITH SOUTH CURB OF LOWENSTEIN DRIVE AT 90° BEND IN ROAD
ELEVATION 971.06

FLOODPLAIN NOTE:

SUBJECT PROPERTY IS SHOWN TO BE LOCATED IN "OTHER AREAS ZONE X" ON THE FLOOD INSURANCE RATE MAP FOR JACKSON COUNTY, MISSOURI AND INCORPORATED AREAS. COMMUNITY PANEL NO. 29095C0416G, REVISED JANUARY 20, 2017. "OTHER AREAS ZONE X" IS DEFINED AS "AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUL CHANCE FLOODPLAIN". LOCATION DETERMINED BY A SCALED GRAPHICAL PLOT OF THE FLOOD INSURANCE RATE MAP.

NOTE

ALL CONSTRUCTION SHALL FOLLOW THE CITY OF LEE'S SUMMIT DESIGN AND CONSTRUCTION MANUAL AS ADOPTED BY ORDINANCE 5813. WHERE DISCREPANCIES EXIST BETWEEN THESE PLANS AND THE DESIGN AND CONSTRUCTION MANUAL, THE MORE STRINGENT SHALL PREVAIL.

INDEX OF SHEETS

- C-1 COVER SHEET
- C-2 EXISTING CONDITIONS
- C-3 OVERALL SITE PLAN
- C-4 UTILITY PLAN
- C-5 GRADING PLAN
- C-6 EROSION CONTROL PLAN
- C-7 EROSION CONTROL DETAILS
- C-8 SPOT GRADES
- C-9 SPOT GRADES
- C-10 ADA SPOT GRADES
- C-11 BLACK TWIG CIRCLE PLAN AND PROFILE
- C-12 INTERSECTION DETAIL
- C-13 STORM LINE A & B PLAN AND PROFILE
- C-14 STORM LINE C & D PLAN AND PROFILE
- C-15 STORM LINE E & F PLAN AND PROFILE
- C-16 STORM LINE G, H, I, & J PLAN AND PROFILE
- C-17 DOWN SPOUTS LINE 1 & 2 PLAN AND PROFILE
- C-18 DOWN SPOUTS LINE 3 & 4 PLAN AND PROFILE
- C-19 DOWN SPOUTS LINE 5 & 6 PLAN AND PROFILE
- C-20 DOWN SPOUT LINE 7 PLAN AND PROFILE
- C-21 DRAINAGE PLAN
- C-22 WATERLINE A PLAN AND PROFILE
- C-23 WATERLINE B PLAN AND PROFILE
- C-24 WATERLINE C PLAN AND PROFILE
- C-25 LANDSCAPE PLAN
- C-26 DETAILS
- C-27 DETAILS
- C-28 DETAILS

DEVELOPER

SWP III, LLC
C/O DRAKE DEVELOPMENT, LLC
7200 W 132nd ST, SUITE 150
OVERLAND PARK, KS 66213
913-662-2630

ENGINEER

SM ENGINEERING
SAM MALINOWSKY
5507 HIGH MEADOW CIRCLE
MANHATTAN KANSAS, 66503
SMCIVILENGR@GMAIL.COM
785.341.9747



SAMUEL D. MALINOWSKY
PROFESSIONAL ENGINEER

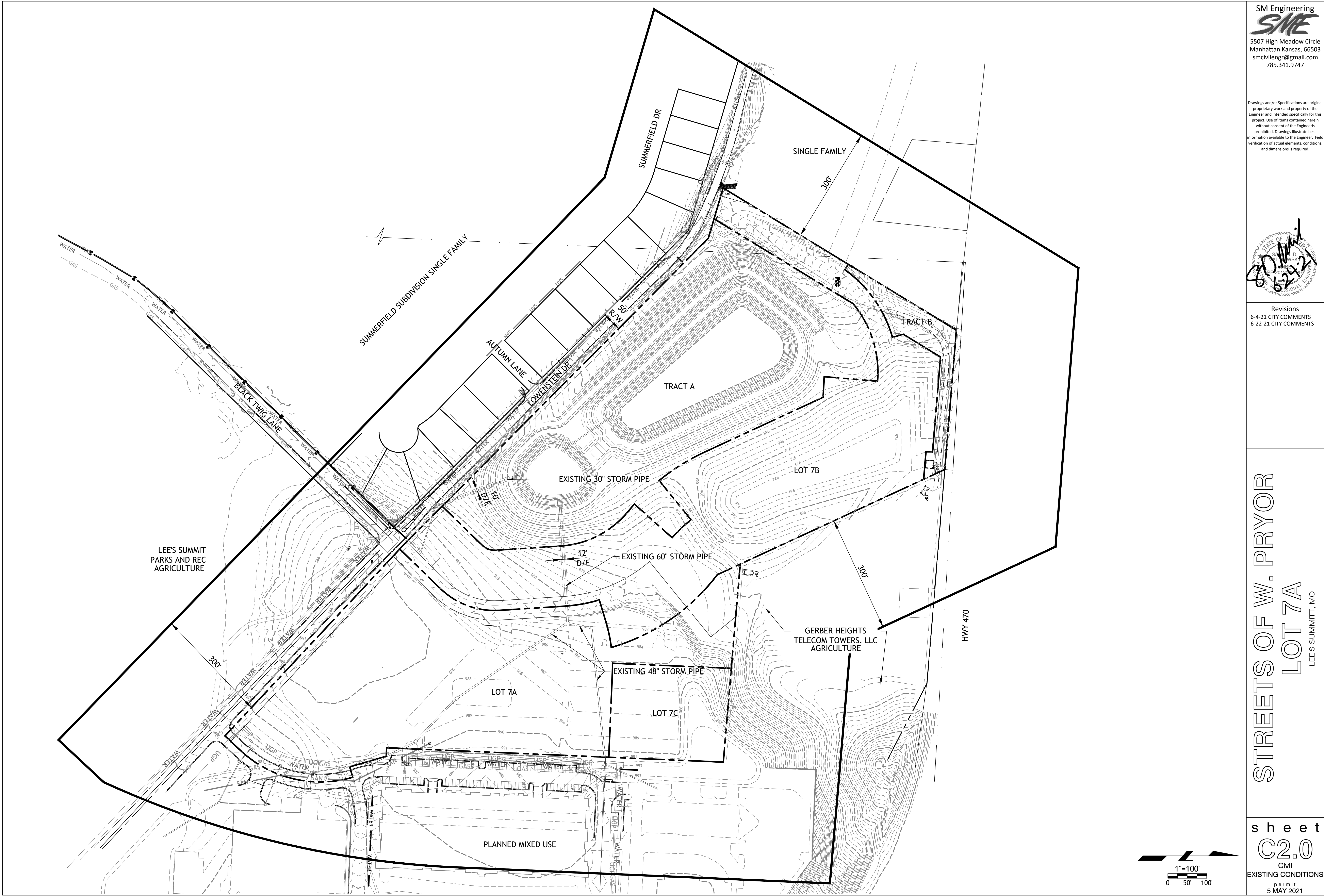
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smcivilengr@gmail.com
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Revisions
6-4-21 CITY COMMENTS
6-22-21 CITY COMMENTS

STREETS OF W. PRYOR
LOT 7A
LEE'S SUMMIT, MO.

s h e e t
C1.0
Civil
Site Improvement Plan
permit
5 MAY 2021



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STREETS OF W. PRYOR
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LEES SUMMITT, MO.

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C2.0
Civil
EXISTING CONDITIONS
permit
5 MAY 2021

CONSTRUCTION NOTES:

1. COORDINATE START-UP AND ALL CONSTRUCTION ACTIVITIES WITH OWNER.
2. CONSTRUCTION METHODS AND MATERIALS NOT SPECIFIED IN THESE PLANS ARE TO MEET OR EXCEED THE STANDARD SPECIFICATIONS.
3. ALL CONSTRUCTION WORK AND UTILITY WORK OUTSIDE OF PROPERTY BOUNDARIES SHALL BE PERFORMED IN COOPERATION WITH AND IN ACCORDANCE WITH REGULATIONS OF THE AUTHORITIES CONCERNED.
4. PUBLIC CONVENIENCE AND SAFETY: THE CONTRACTOR SHALL CONDUCT THE WORK IN A MANNER THAT WILL INSURE, AS FAR AS PRACTICABLE, THE LEAST OBSTRUCTION TO TRAFFIC, AND SHALL PROVIDE FOR THE CONVENIENCE AND SAFETY OF THE GENERAL PUBLIC AND RESIDENTS ALONG AND ADJACENT TO STREETS IN THE CONSTRUCTION AREA.
5. ALL DIMENSIONS SHOWN ARE TO THE BACK OF CURB UNLESS OTHERWISE NOTED.
6. ACCESSIBLE STALLS SHOWN WITH A "VAN" SHALL BE 16'-0" MIN. AND SHALL HAVE A SIGN DESIGNATING "VAN-ACCESSIBLE". SEE DETAIL102.

NOTE:

1. CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF ENTRANCE, SLOPED PAVING, EXIT PORCHES AND RAMPS, PRECISE BUILDING DIMENSIONS AND EXACT BUILDING UTILITY ENTRANCE LOCATIONS.
2. THESE PLANS HAVE NOT BEEN VERIFIED WITH FINAL ARCHITECTURAL CONTRACT DRAWINGS. CONTRACTOR SHALL VERIFY AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES. CONTRACTOR IS FULLY RESPONSIBLE FOR REVIEW AND COORDINATION OF ALL DRAWINGS AND CONTRACTOR DOCUMENTS.
3. ALL DIMENSIONS ARE PERPENDICULAR TO PROPERTY LINE.

NOTE:

1. CONTRACTOR SHALL CONTACT THE CITY'S DEVELOPMENT SERVICES ENGINEERING INSPECTION TO SCHEDULE A PRE-CONSTRUCTION MEETING WITH A FIELD ENGINEERING INSPECTOR PRIOR TO ANY LAND DISTURBANCE WORK AT 816-969-1200

SITE DATA

TOTAL SITE	9.24ac (402,422sf)
TOTAL IMPERVIOUS AREA	238,400sf
OPEN SPACE	164,022sf
TOTAL BUILDING	83,700sf
FAR	0.21
TOTAL REQUIRED	341
PARKING PROVIDED	376

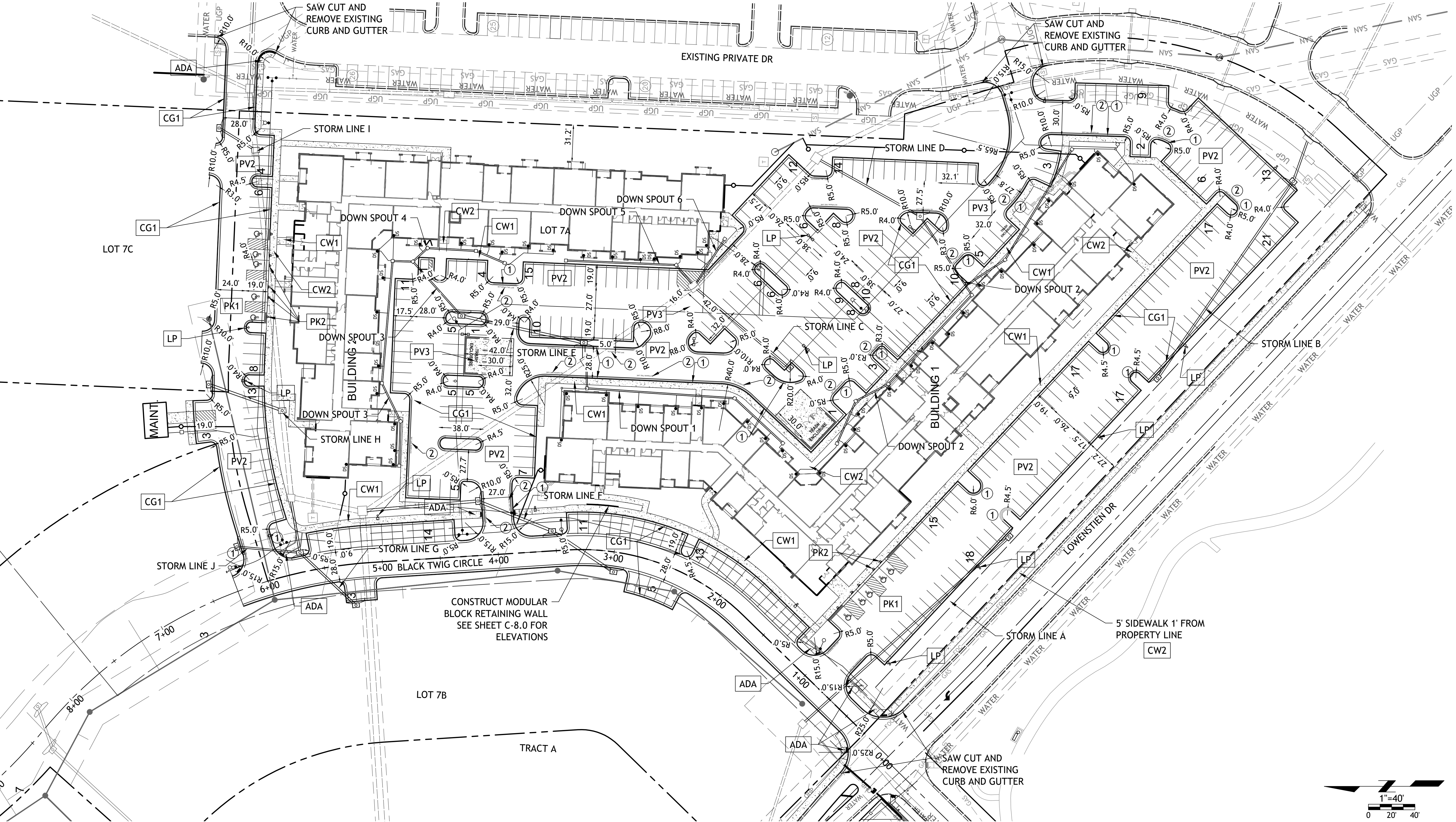
SEE DETAIL SHEET FOR THE FOLLOWING DETAILS:

- PK-1 96" ACCESSIBLE & VAN ACCESSIBLE SPACE STRIPING
PK-2 ACCESSIBLE SIGN
CG-1 CURB AND GUTTER
PV2 HEAVY DUTY ASPHALT PAVEMENT
CW2 SIDEWALK
ADA HANDICAP RAMP SEE GEN-3A DETAIL
LP LIGHT POLE BASE
CW1 CURB WALK
STM-1 STORM INLET
STM-3 JUNCTION BOX
TE TRASH ENCLOSURE (SEE ARCHITECTURAL PLANS)

NOTES:

- 8A DOOR (SEE ARCH. PLANS)
12K WHITE PARKING LOT STRIPING (SHERWIN-WILLIAMS TM 2160 LEAD FREE OR APPROVED EQUAL)
CO CLEAN-OUT (SEE GRADING PLAN)
PV2 HEAVY DUTY ASPHALT
PV3 HEAVY DUTY CONCRETE
1 PAINT CURB RED
2 PAINT 6" LETTERS "NO PARKING FIRE LANE"

SITE DATA															
LOT	USE	LOT AREA (SF)	LOT AREA (ACRES)	BLDG AREA SF (ENVELOPE)	TOTAL SQFT	# OF DWELLING UNITS PER ACRE	# OF FLOORS	1 BDRM	2 BDRM	3 BDRM	PARKING REQUIRED	PARKING PROVIDED	ADA SPACES REQ (VAN)	ADA SPACES PROV (VAN)	PRK LOT COVERAGE
Proposed LOT 7A	Apts Bldg 1	402,422	9.24	45,200	135,600	100	10.82	43	41	16	183	376	6 (1)	6 (1)	154,700
	Apts Bldg 2	NA	NA	38,500	115,500	84	NA	3	33	30	***158	N/A	5 (1)	5 (1)	238,400
															164,022



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Revisions

6-4-21 CITY COMMENTS

6-22-21 CITY COMMENTS

STREETS OF W. PRYOR

LOT 7A

LEES SUMMITT, MO.

sheet

C3.0

Civil

SITE PLAN

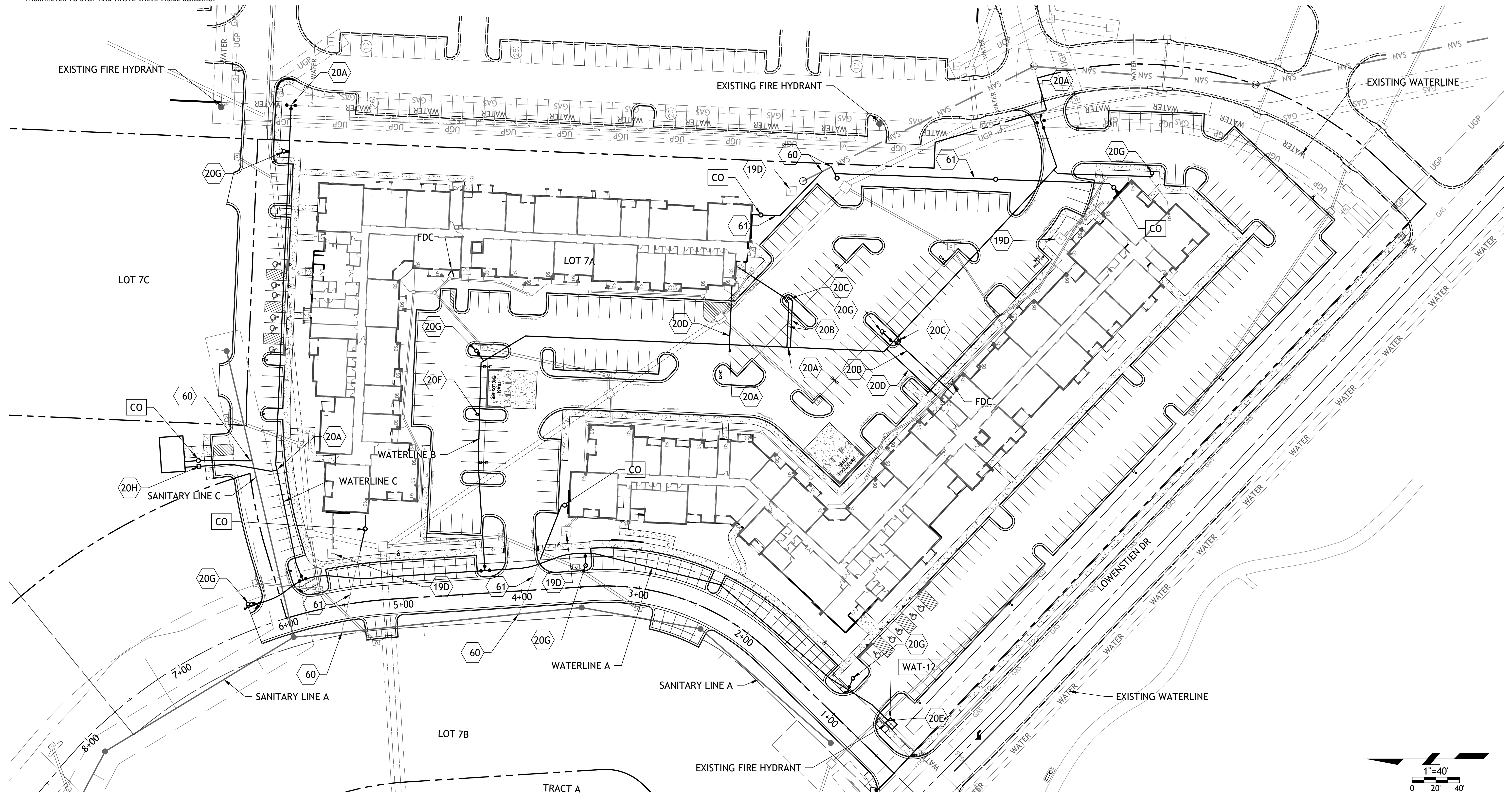
permit

5 MAY 2021

9. INSTALL 2" TYPE "K" COPPER FROM THE MAIN TO THE METER AND EITHER TYPE "K" OR POLYETHYLENE PLASTIC TUBING (PE 3608) FROM METER TO STOP AND WASTE VALVE INSIDE BUILDING.

MS1	TRENCH AND BEDDING DETAILS
WAT-12	DCD VAULT
WAT-11	WATER SERVICE CONNECTION
WAT-7	FIRE HYDRANT
CO	CLEANOUT

18A	POINT OF CONNECTION - TELEPHONE SERVICE - COORDINATE WITH TELEPHONE COMPANY
18B	UNDERGROUND TELEPHONE SERVICE PER LOCAL TELEPHONE COMPANY
18C	2-2" CONDUIT INSTALLED BY CONTRACTOR - TELEPHONE SERVICE
19A	POINT OF CONNECTION - ELECTRICAL SERVICE
19B	ELECTRICAL SERVICE (SEE NOTE 10)
19C	4" CONDUIT INSTALLED BY CONTRACTOR - ELECTRIC SERVICE
19D	TRANSFORMER - PER EVERY DETAIL 700-103
20A	POINT OF CONNECTION - WATER SERVICE
20B	2-2" TAPS WITH WITH 4.0" SERVICE LINE AFTER METERS
20C	2-2" METERS
20D	6" FIRE LINE
60	6" SANITARY SEWER SERVICE LINE SDR-26 PVC CONNECTION SHALL BE A CUT-IN WYE
61	6" SANITARY SEWER SERVICE LINE SDR 26 PVC
20E	INSTALL 8" BACKFLOW PREVENTION ASSEMBLY IN 8'X6' VAULT OR AS REQUIRED PER CLEARANCE SEE DETAIL WAT-12
20F	1" IRRIGATION METER & BFP
20H	1" WATER TAP & WATER METER
20G	FIRE HYDRANT ASSEMBLY WITH 1-6" GATE VALVE



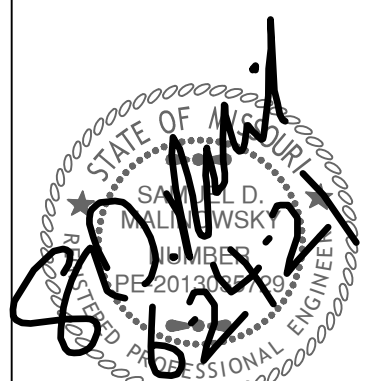
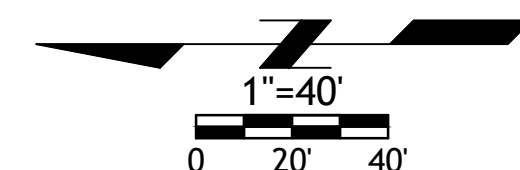


GRADING NOTES:

1. EARTHWORK UNDER THE BUILDING SHALL COMPLY WITH THE PROJECT ARCHITECTURAL PLANS. OTHER FILL MATERIAL SHALL BE MADE IN LIFTS NOT TO EXCEED EIGHT INCHES DEPTH COMPACTED TO 95% STANDARD PROCTOR DENSITY. FILL MATERIAL MAY INCLUDE ROCK FROM ON-SITE EXCAVATION IF CAREFULLY PLACED SO THAT LARGE STONES ARE WELL DISTRIBUTED AND VOIDS ARE COMPLETELY FILLED WITH SMALLER STONES, EARTH, SAND OR GRAVEL TO FURNISH A SOLID EMBANKMENT. NO ROCK LARGER THAN THREE INCHES IN ANY DIMENSION NOR ANY SHALE SHALL BE PLACED IN THE TOP 12 INCHES OF EMBANKMENT.
2. AREAS THAT ARE TO BE CUT TO SUBGRADE LEVELS SHALL BE PROOF ROLLED WITH A MODERATELY HEAVY LOADED DUMP TRUCK OR SIMILAR APPROVED CONSTRUCTION EQUIPMENT TO DETECT UNSUITABLE SOIL CONDITIONS.
3. IN ALL AREAS OF EXCAVATION, IF UNSUITABLE SOIL CONDITIONS ARE ENCOUNTERED. A QUALIFIED GEOTECHNICAL ENGINEER SHALL RECOMMEND TO THE OWNER THE METHODS OF UNDERCUTTING AND REPLACEMENT OF PROPERLY COMPACTED, APPROVED FILL MATERIAL. ALL PROOF ROLLING AND UNDERCUTTING SHOULD BE PERFORMED DURING A PERIOD OF DRY WEATHER.
4. CONTRACTOR SHALL USE SILT FENCE OR OTHER MEANS OF CONTROLLING EROSION ALONG THE EDGE OF THE PROPERTY OR OTHER BOTTOM OF SLOPE LOCATIONS.

5. CONTRACTOR IS TO REMOVE AND DISPOSE OF ALL DEBRIS, RUBBISH AND OTHER MATERIALS RESULTING FROM PREVIOUS AND CURRENT DEMOLITION OPERATIONS.
6. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO AVOID PROPERTY DAMAGE TO ADJACENT PROPERTIES DURING THE CONSTRUCTION PHASES OF THIS PROJECT. THE CONTRACTOR WILL BE HELD SOLELY RESPONSIBLE FOR ANY DAMAGES TO THE ADJACENT PROPERTIES OCCURRING DURING THE CONSTRUCTION PHASES OF THIS PROJECT.
7. IT IS NOT THE DUTY OF THE ENGINEER OR THE OWNER TO REVIEW THE ADEQUACY OF THE CONTRACTOR'S SAFETY MEASURES, IN, ON OR NEAR THE CONSTRUCTION SITE AT ANY TIME DURING CONSTRUCTION.
9. PIPE LENGTHS ARE CENTER TO CENTER OF STRUCTURE OR TO END OF END SECTIONS.
10. HANDICAP STALLS SHALL MEET ADA REQUIREMENTS AND SHALL NOT EXCEED 2% SLOPE IN ANY DIRECTION AT THE BUILDING ENTRY AND ACCESSIBLE PARKING STALLS. SLOPES EXCEEDING 2.0% WILL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
11. CONTRACTOR TO ADJUST DEPTHS OF EXISTING SERVICE LINES AS NECESSARY

12. ALL CONSTRUCTION TRAFFIC, TEMPORARY TRAFFIC CONTROL DEVICES AND PAVEMENT MARKINGS SHALL CONFORM TO REQUIREMENTS OF THE LATEST MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
13. SITE BEING ROUGH GRADED TO 12.5" BELOW FINISHED GRADE
14. CONTRACTOR TO PLACE 8" LOW PERMEABILITY LVC FOR BUILDING PAD

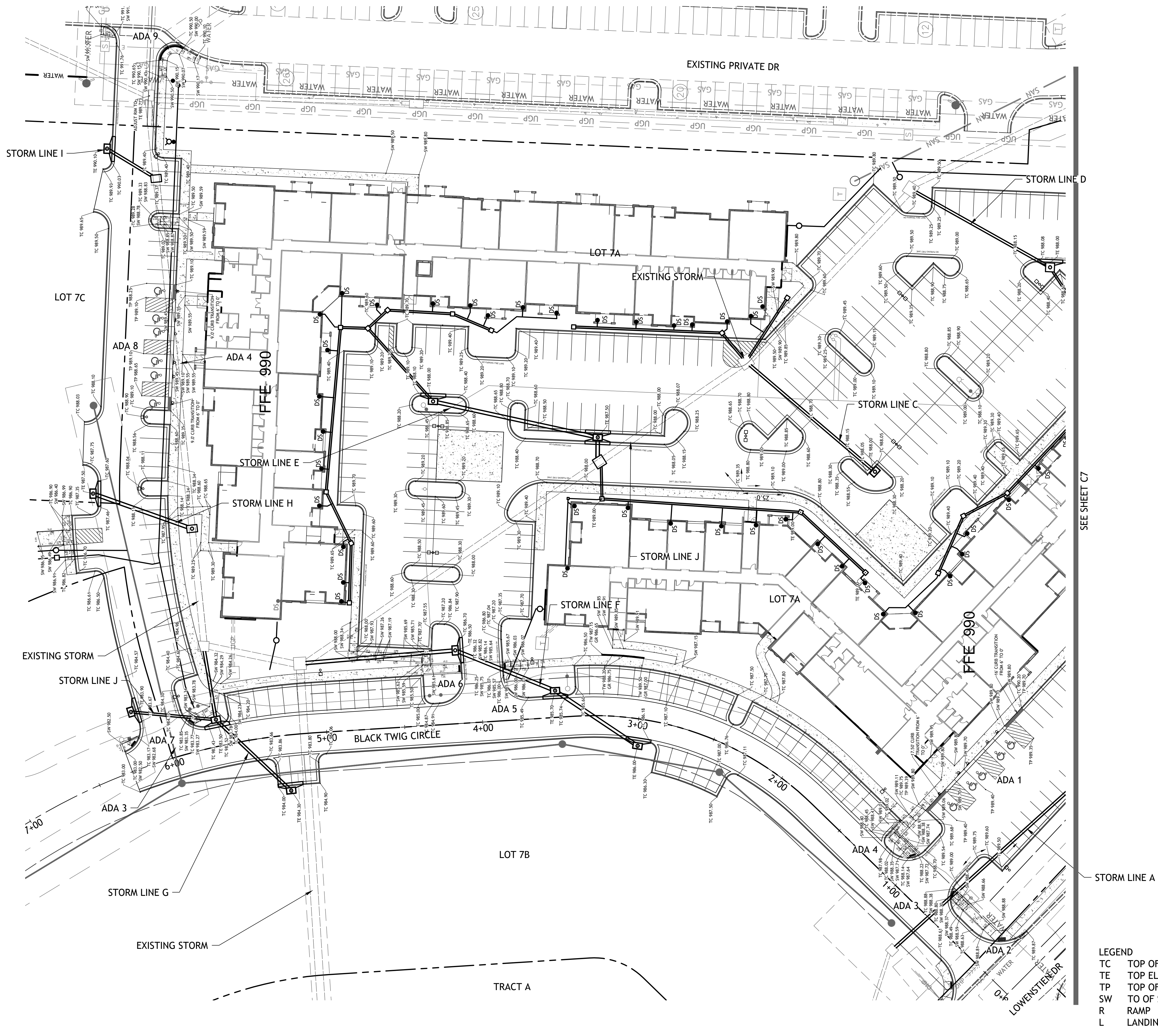


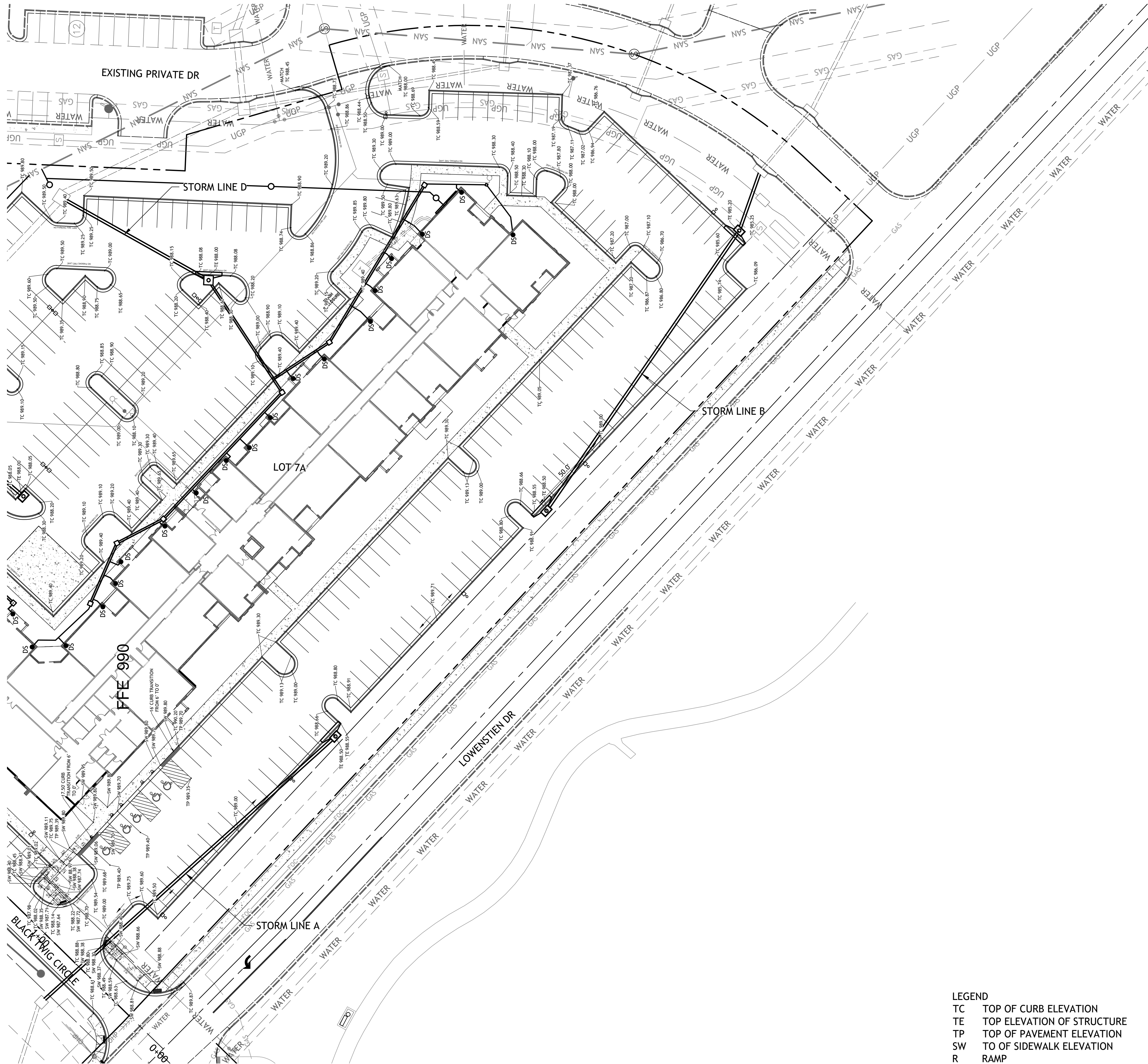


Revisions

STREETS OF W. PRYOR
LOT 7A
LEE'S SUMMIT, MO.

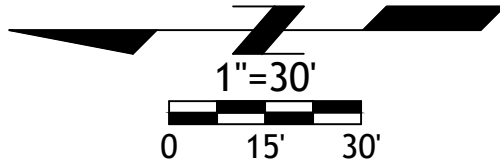
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C8.0
Civil
SPOT GRADES
permit
5 MAY 2021





SEE SHEET C6

- LEGEND
- TC TOP OF CURB ELEVATION
 - TE TOP ELEVATION OF STRUCTURE
 - TP TOP OF PAVEMENT ELEVATION
 - SW TO OF SIDEWALK ELEVATION
 - R RAMP
 - L LANDING



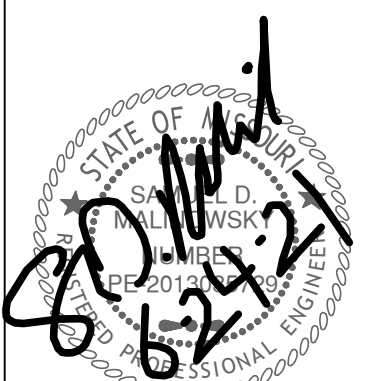
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6-4-21 CITY COMMENTS
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STREETS OF W. PRYOR
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LEES SUMMITT, MO.

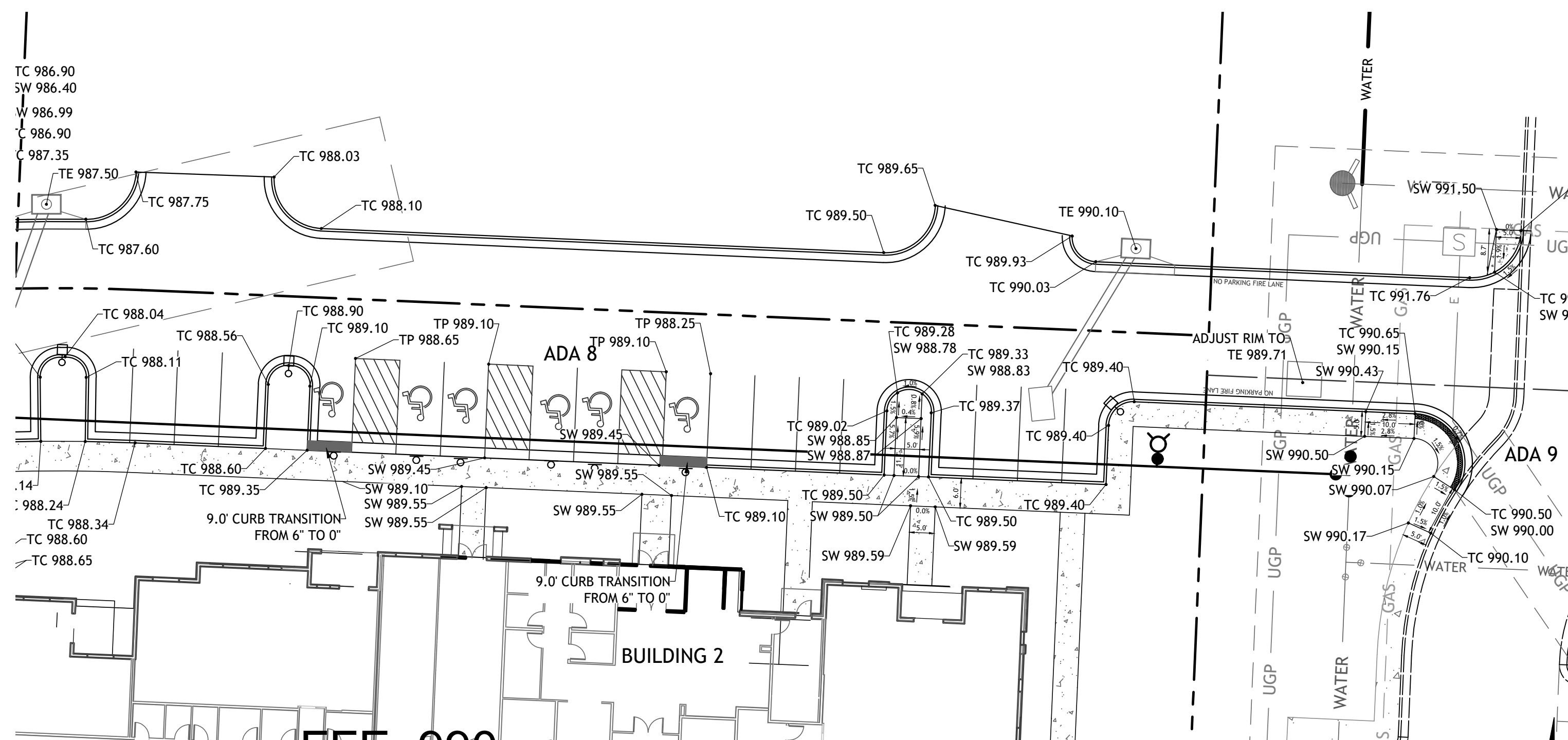
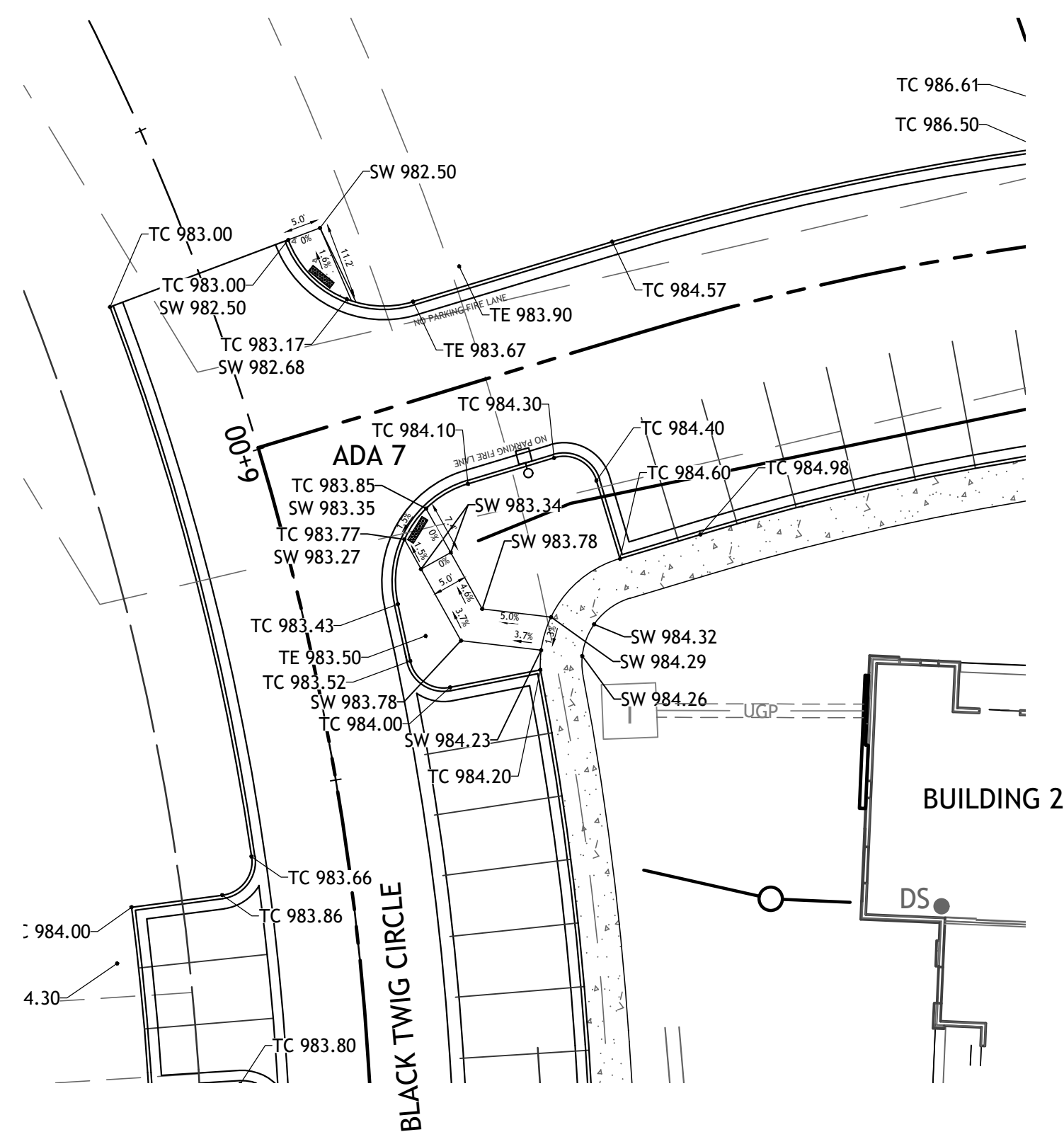
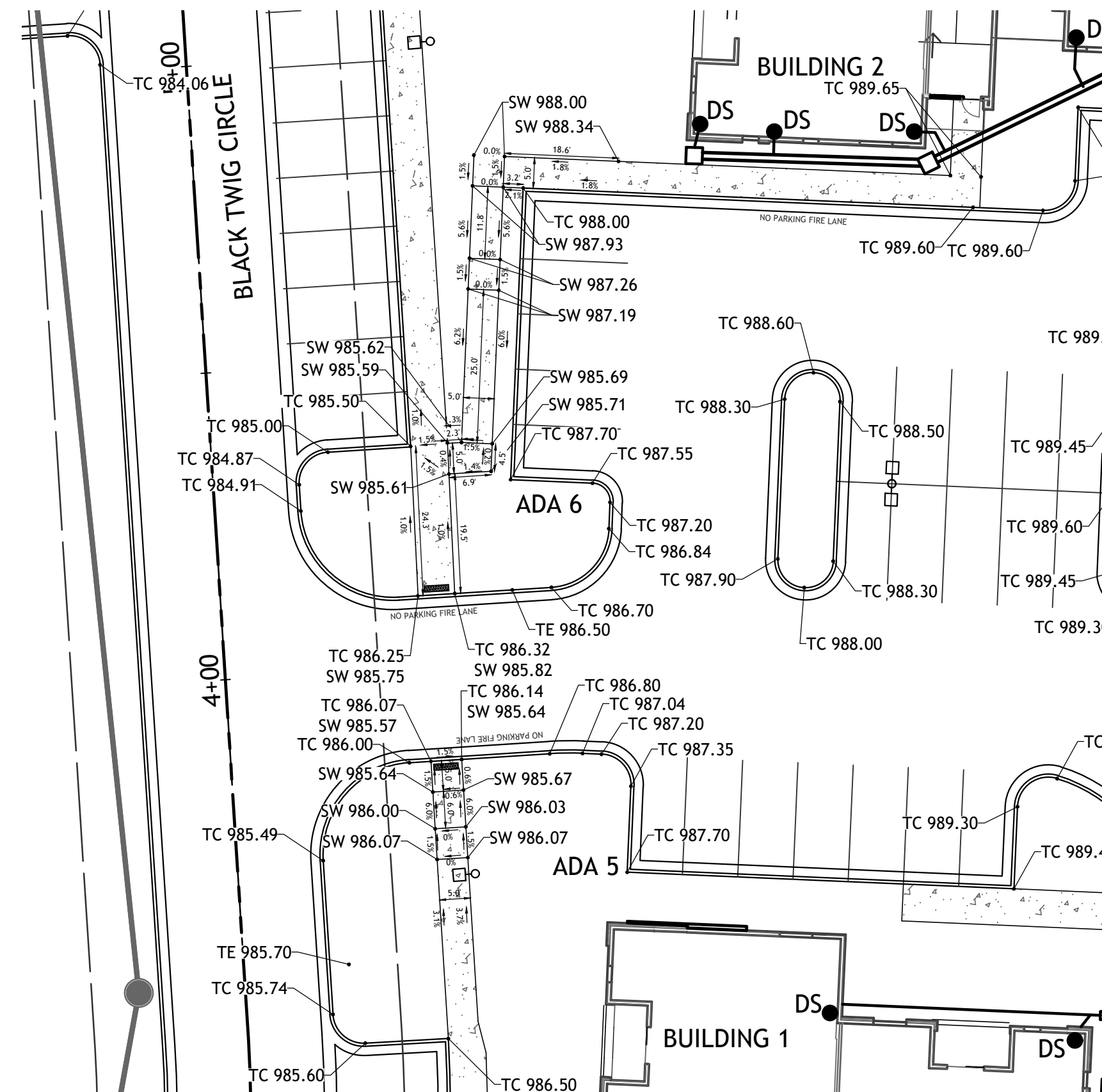
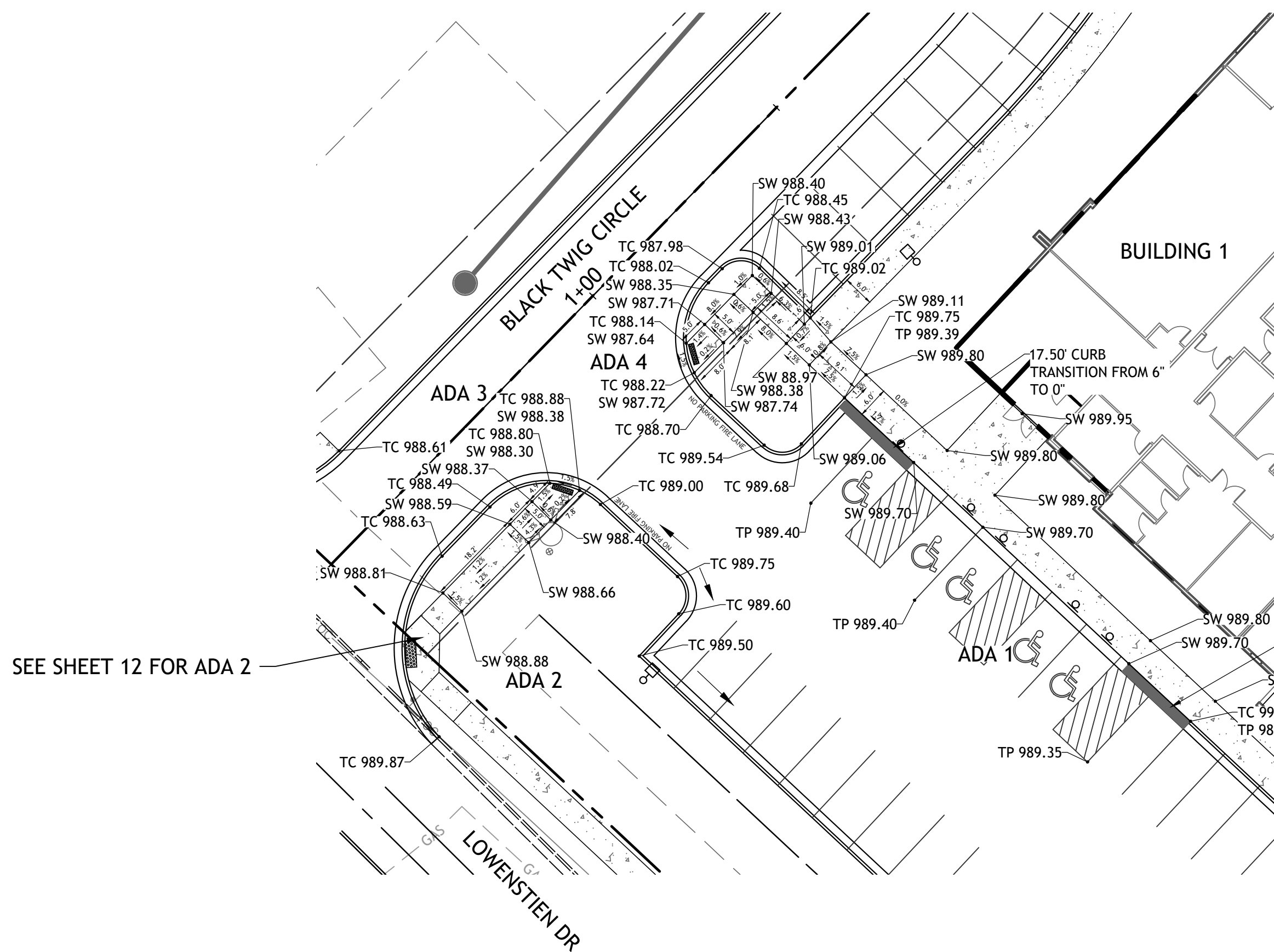
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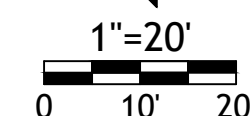
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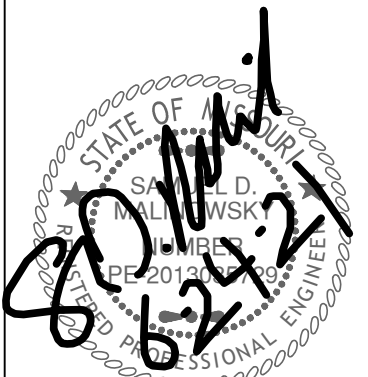
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Civil
ADA SPOT GRADES
permit
5 MAY 2021



- LEGEND
- TC TOP OF CURB ELEVATION
 - TE TOP ELEVATION OF STRUCTURE
 - TP TOP OF PAVEMENT ELEVATION
 - SW TO OF SIDEWALK ELEVATION
 - R RAMP
 - L LANDING



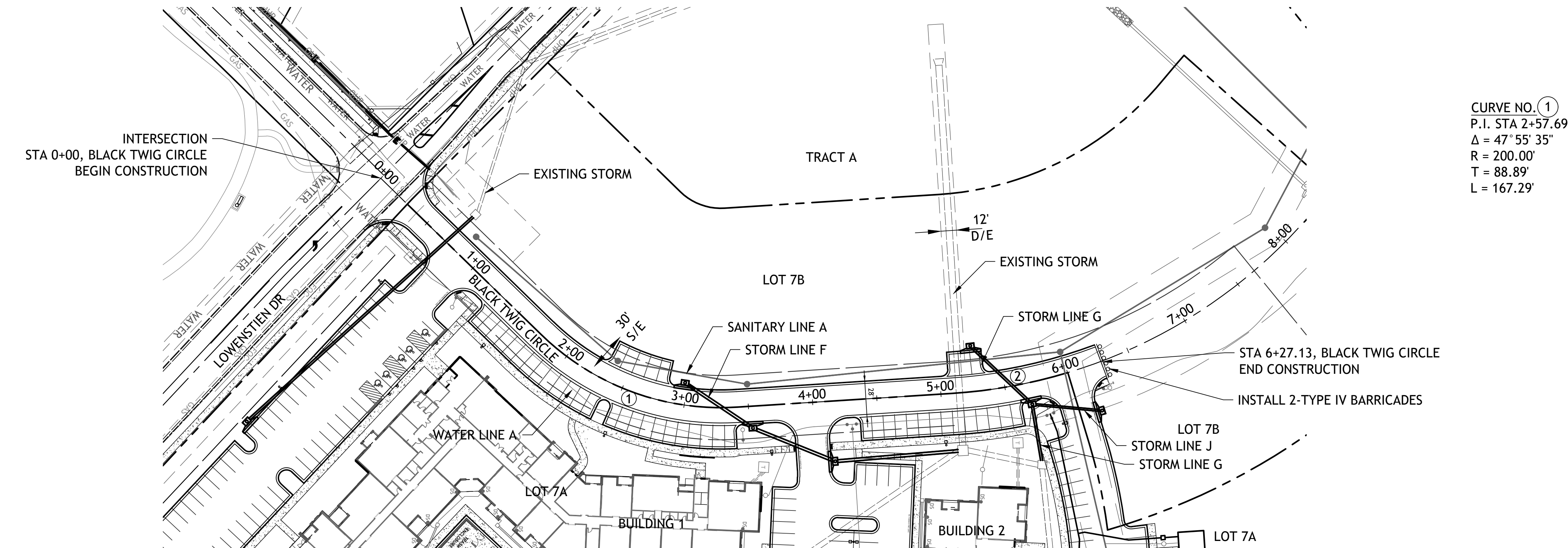
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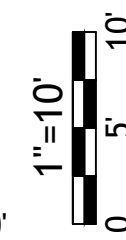
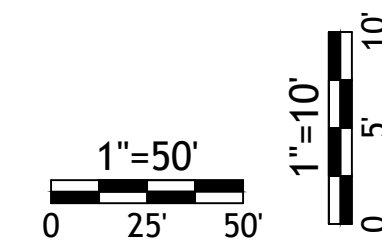
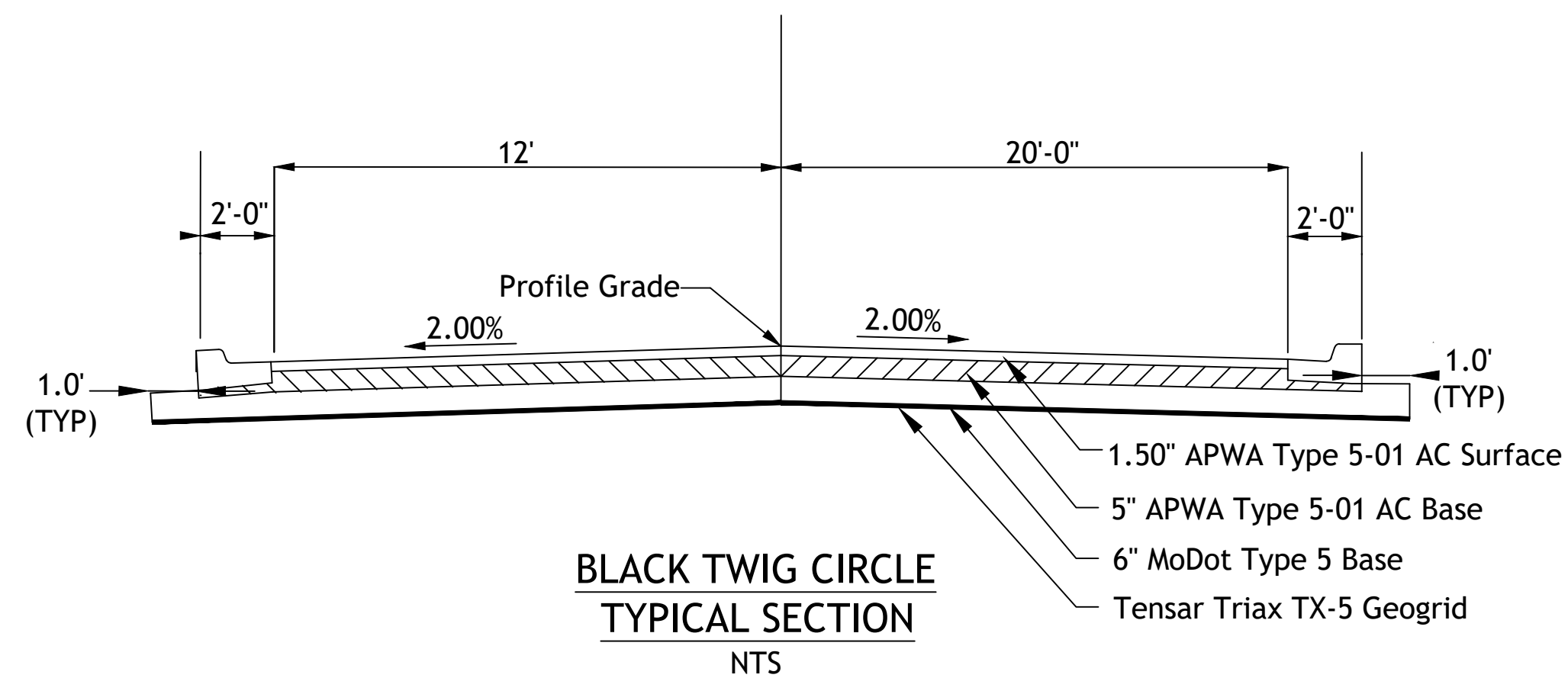
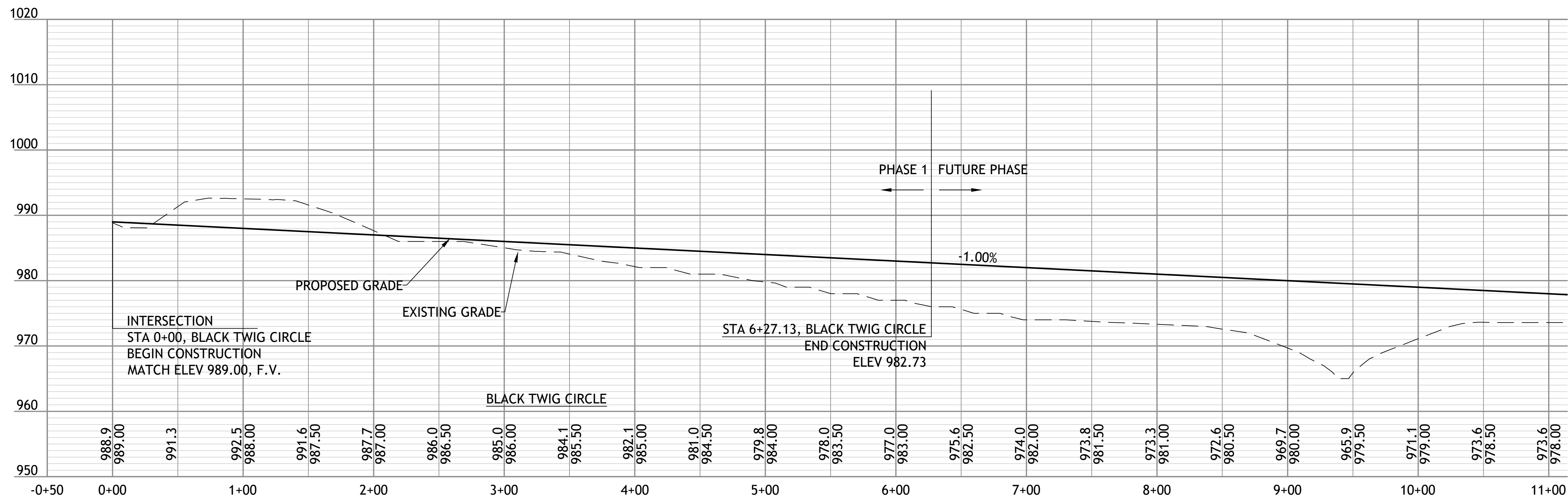
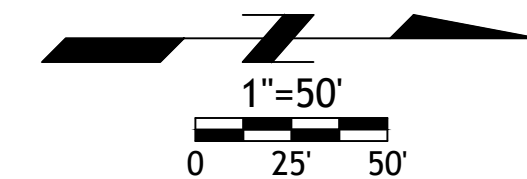
STREETS OF W. PRYOR
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LEES SUMMIT, MO.

sheet
C11.0
Civil
BLACK TWIG CIRCLE
PLAN AND PROFILE
5 MAY 2021



CURVE NO. ①
P.I. STA 2+57.69
 $\Delta = 47^\circ 55' 35''$
R = 200.00'
T = 88.89'
L = 167.29'

CURVE NO. ②
P.I. STA 6+37.04
 $\Delta = 47^\circ 4' 28''$
R = 400.00'
T = 174.23'
L = 328.64'



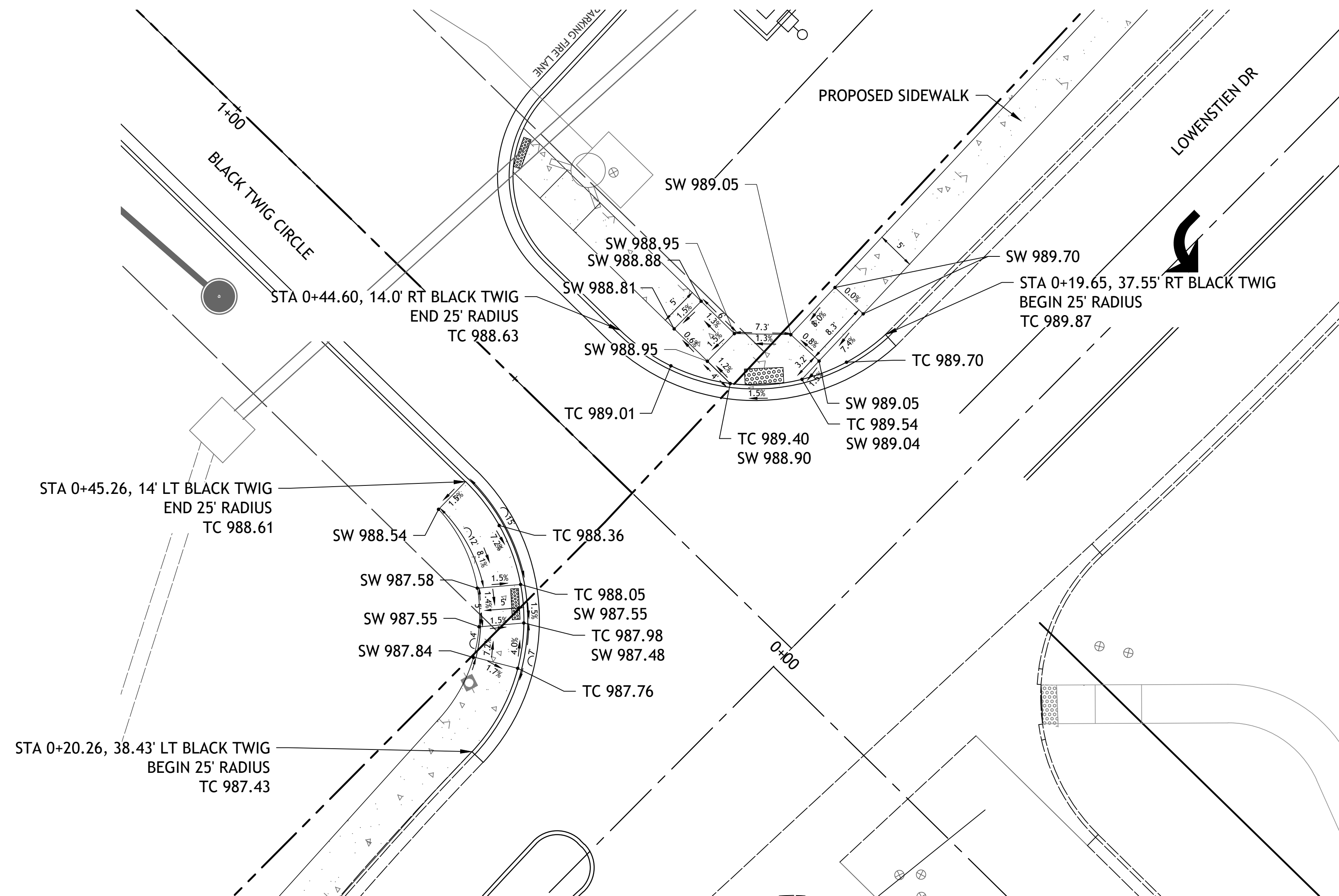
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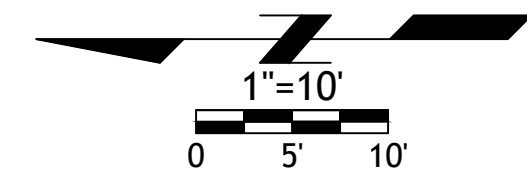
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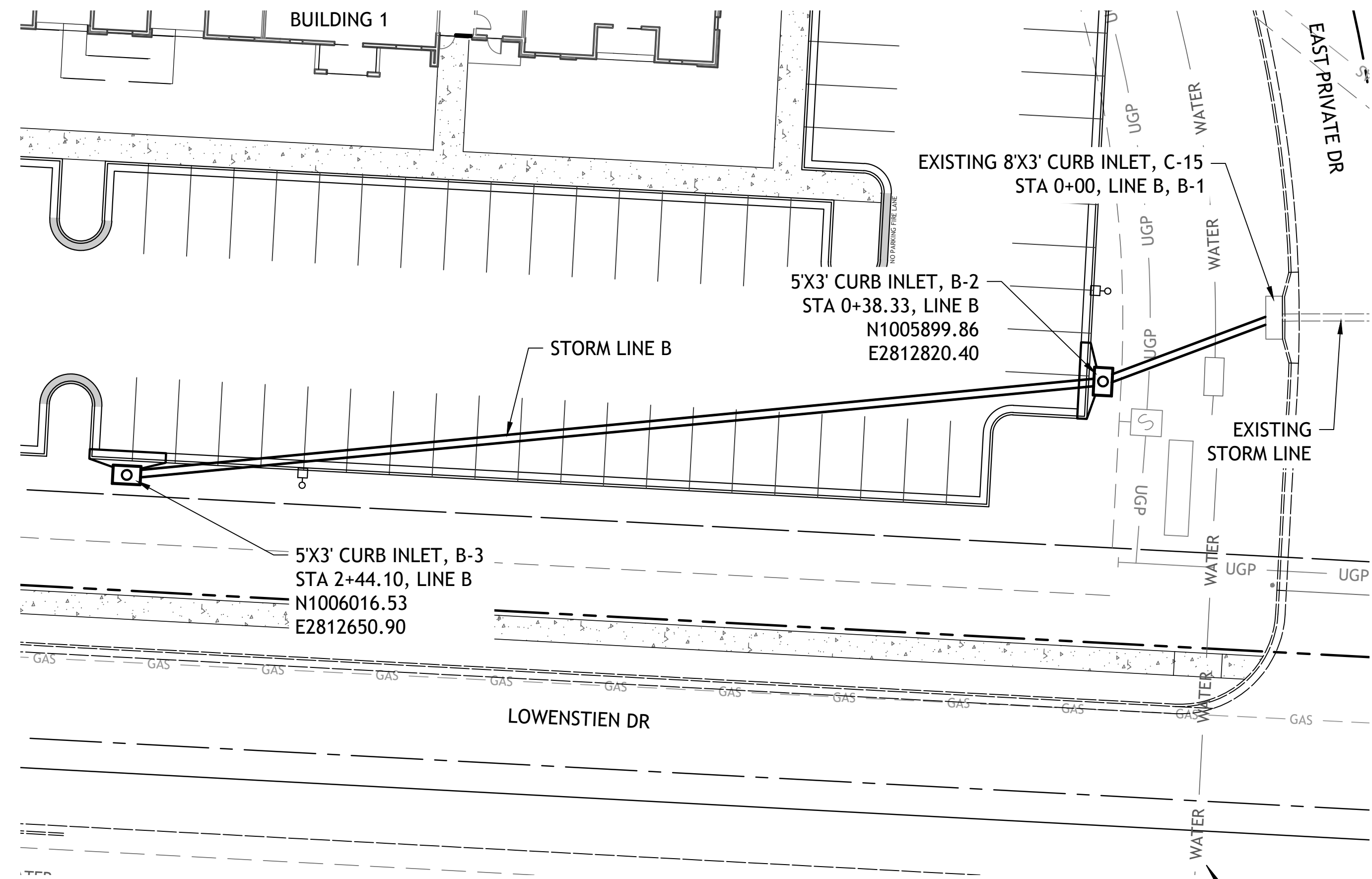
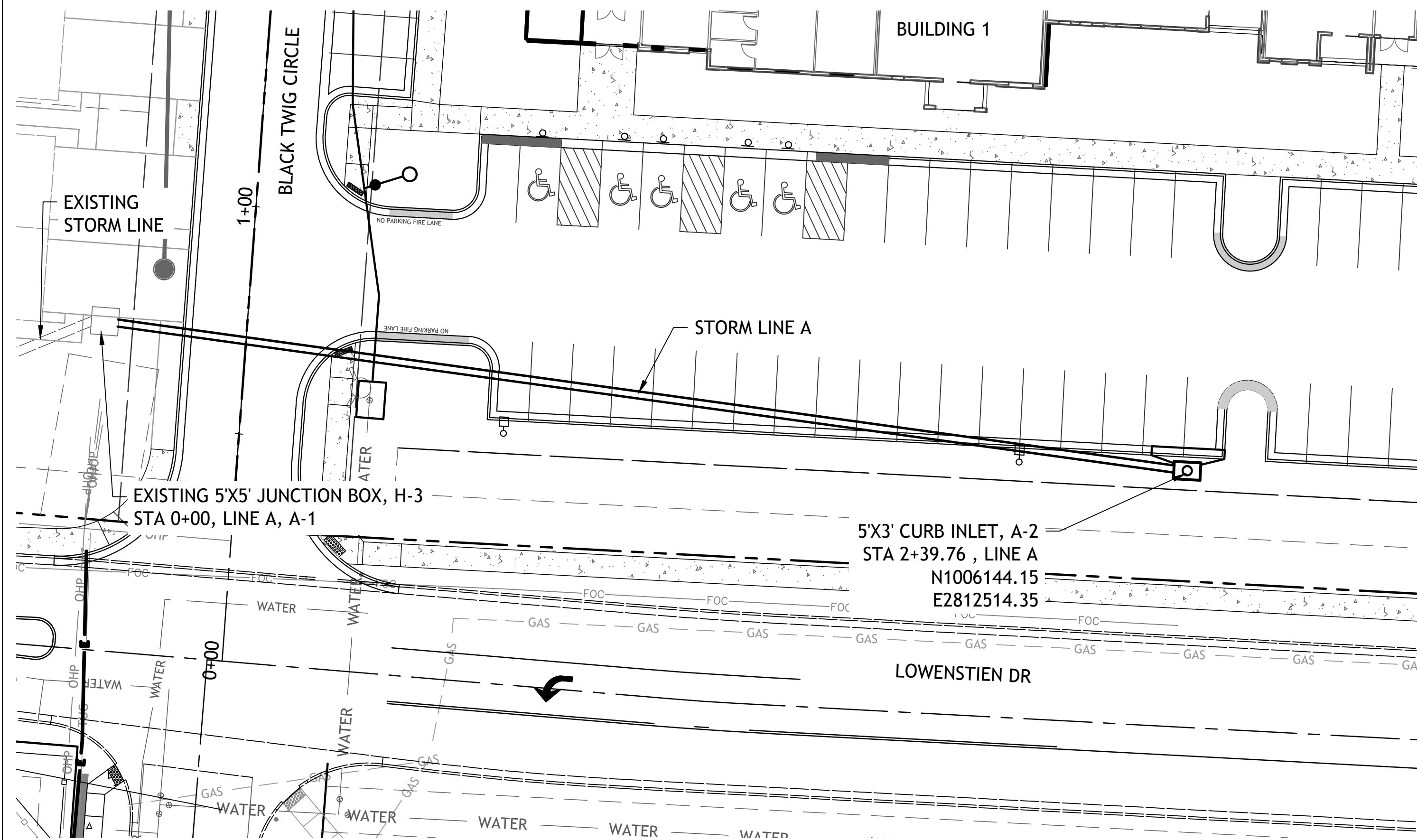
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LOT 7A
LEES SUMMITT, MO.

s h e e t
C12.0
Civil
INTERSECTION DETAIL
permit
5 MAY 2021

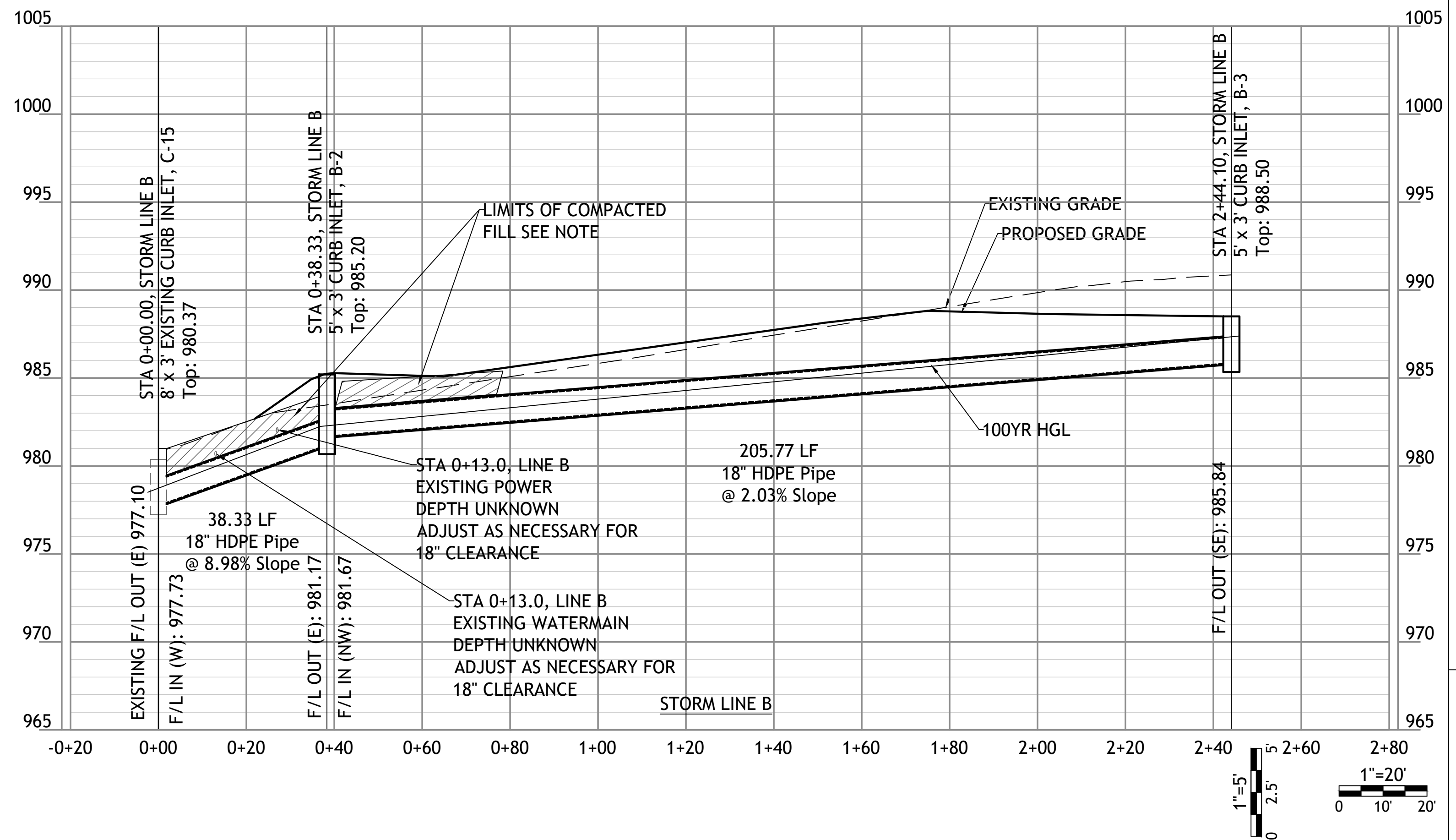
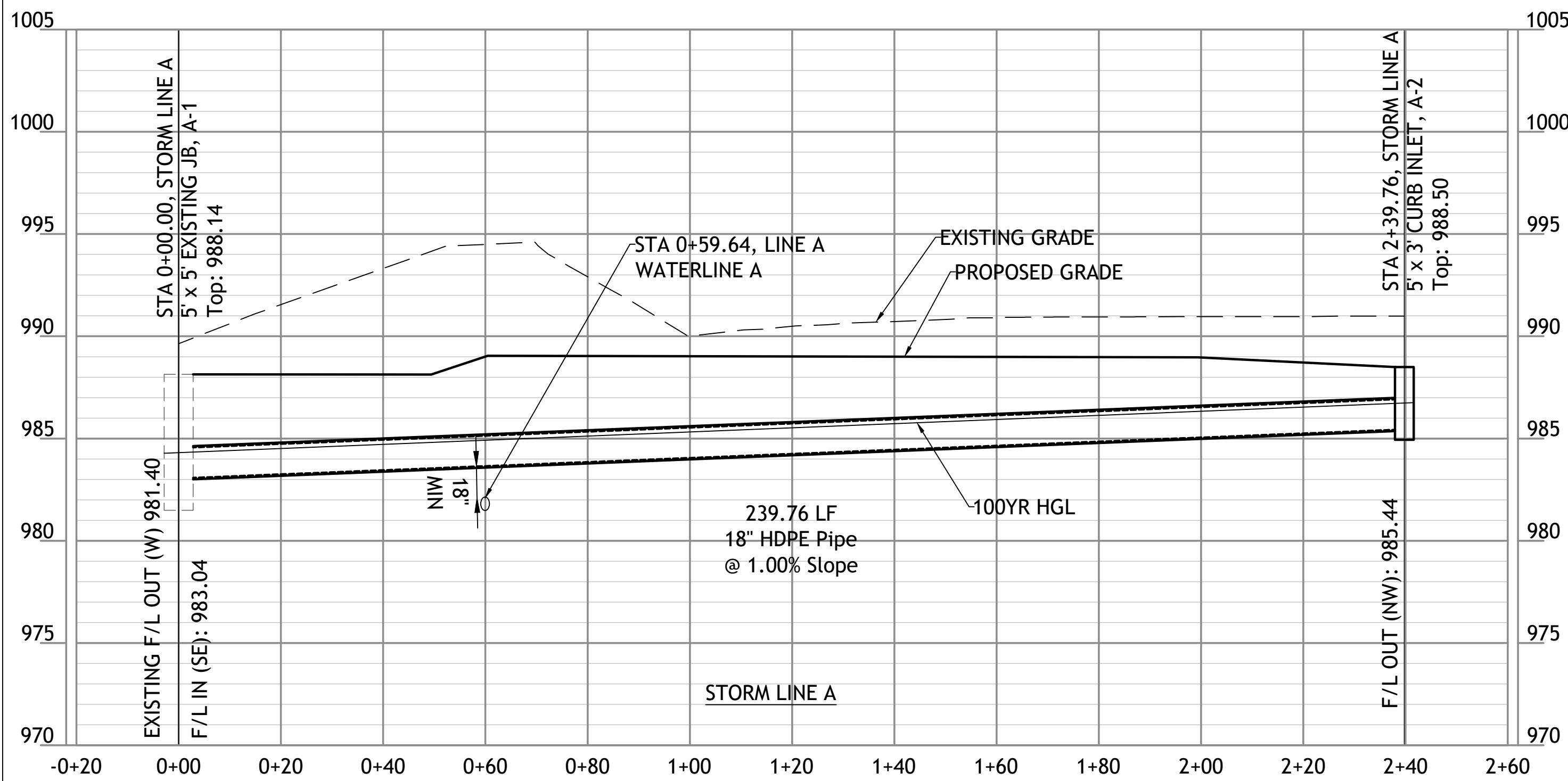
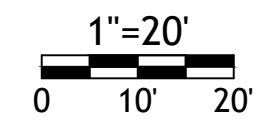


- LEGEND
- TC TOP OF CURB ELEVATION
 - TE TOP ELEVATION OF STRUCTURE
 - TP TOP OF PAVEMENT ELEVATION
 - SW TO OF SIDEWALK ELEVATION
 - R RAMP
 - L LANDING



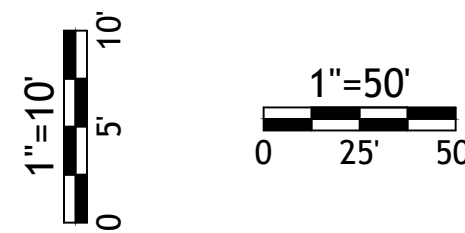
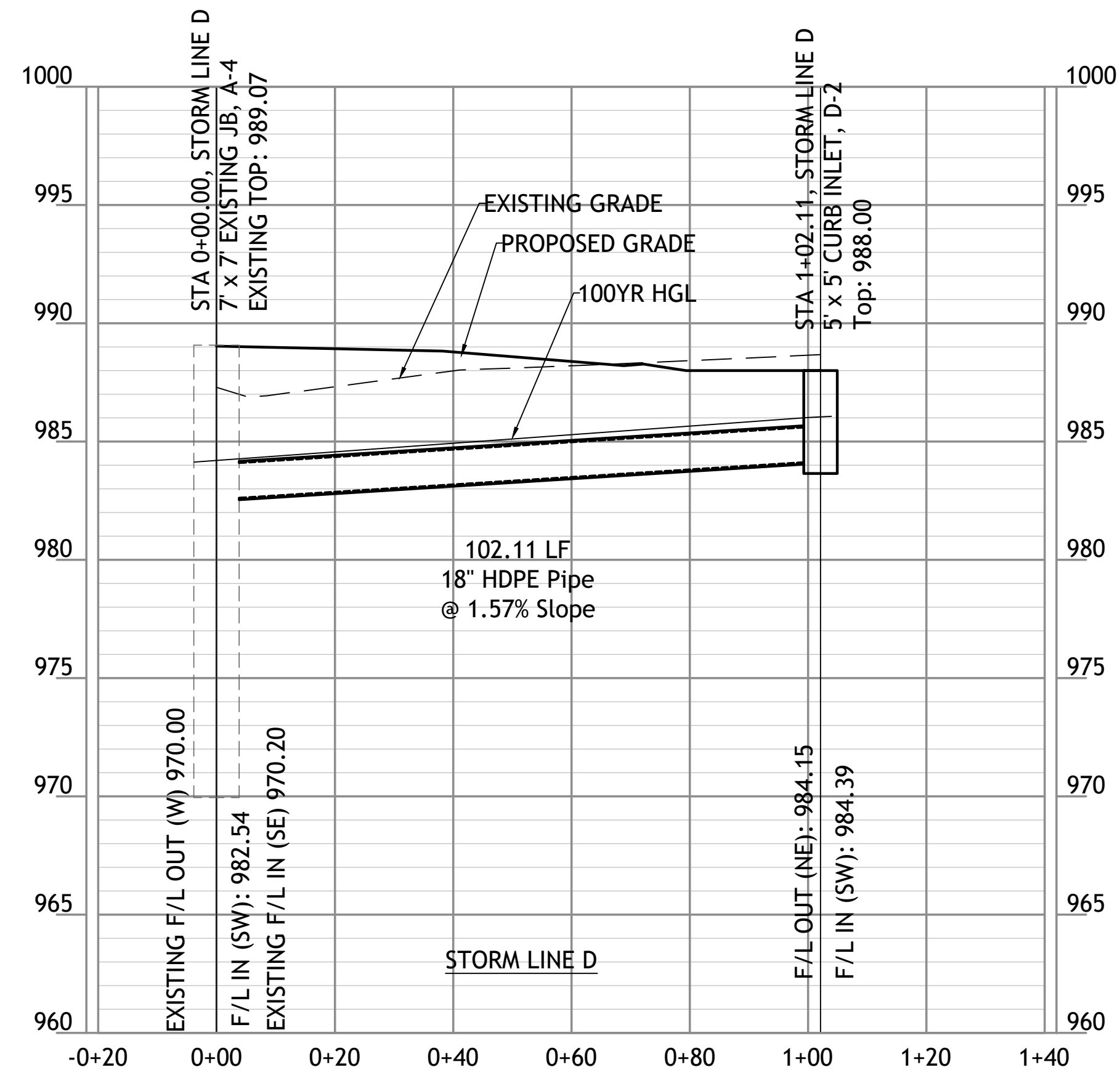
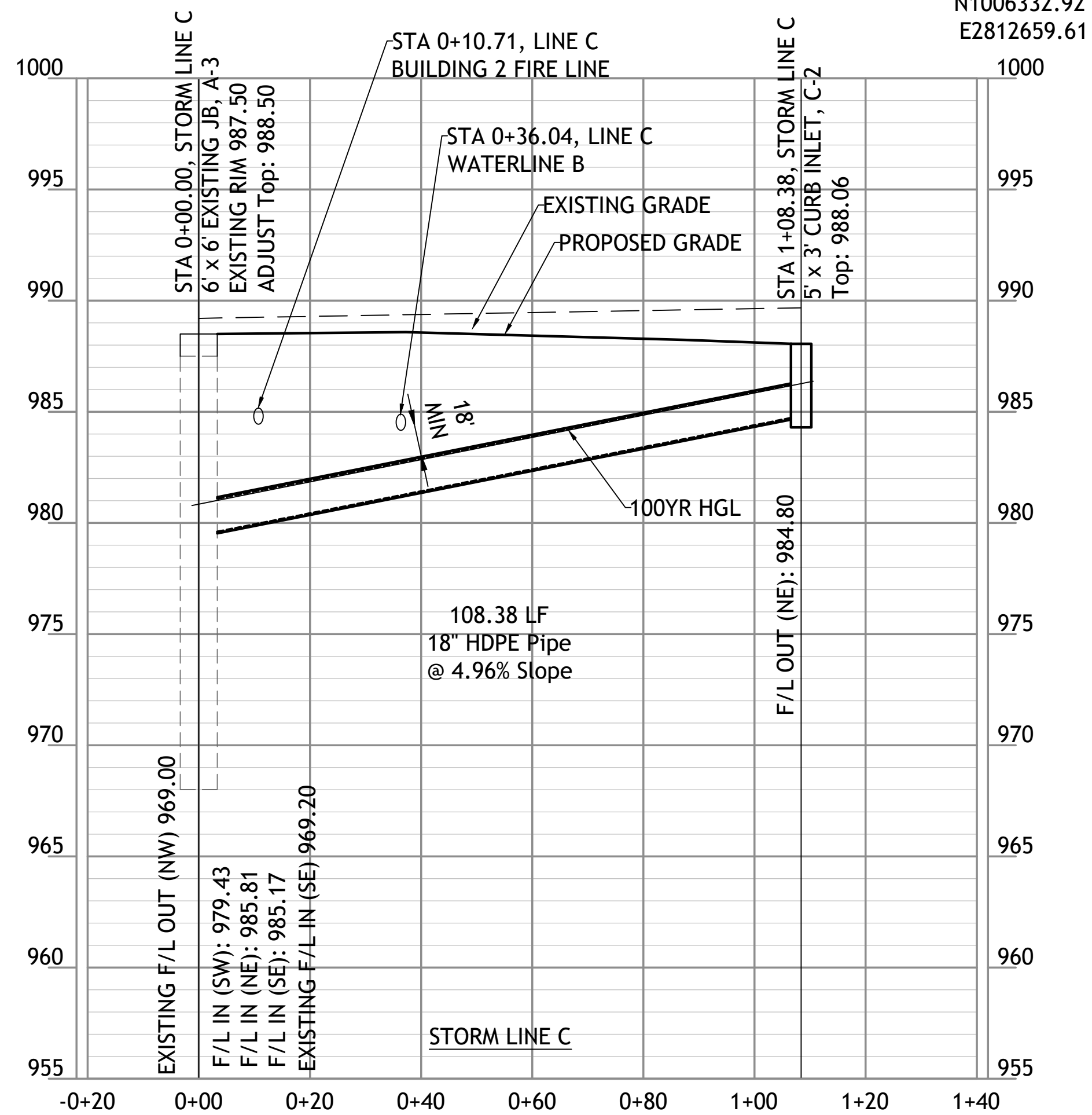
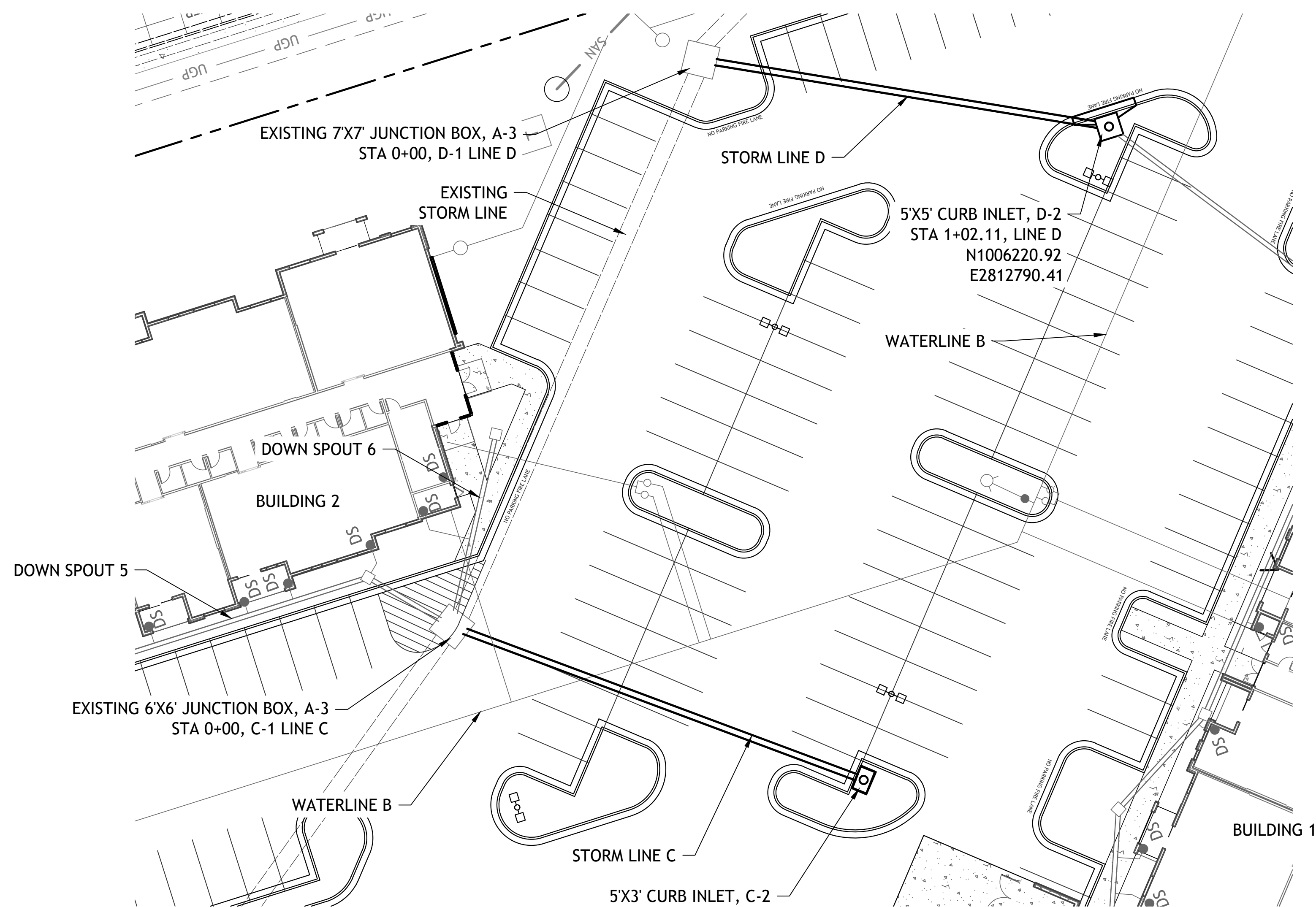
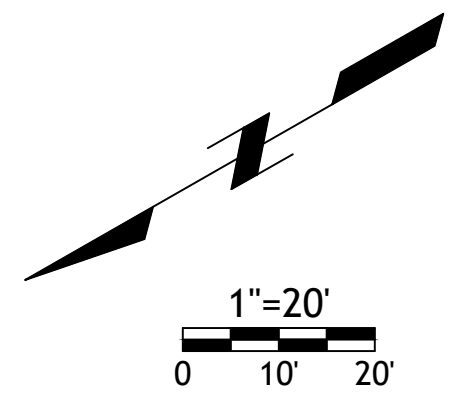


NOTE:
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18" ABOVE THE TOP OF PIPE PRIOR TO INSTALLATION

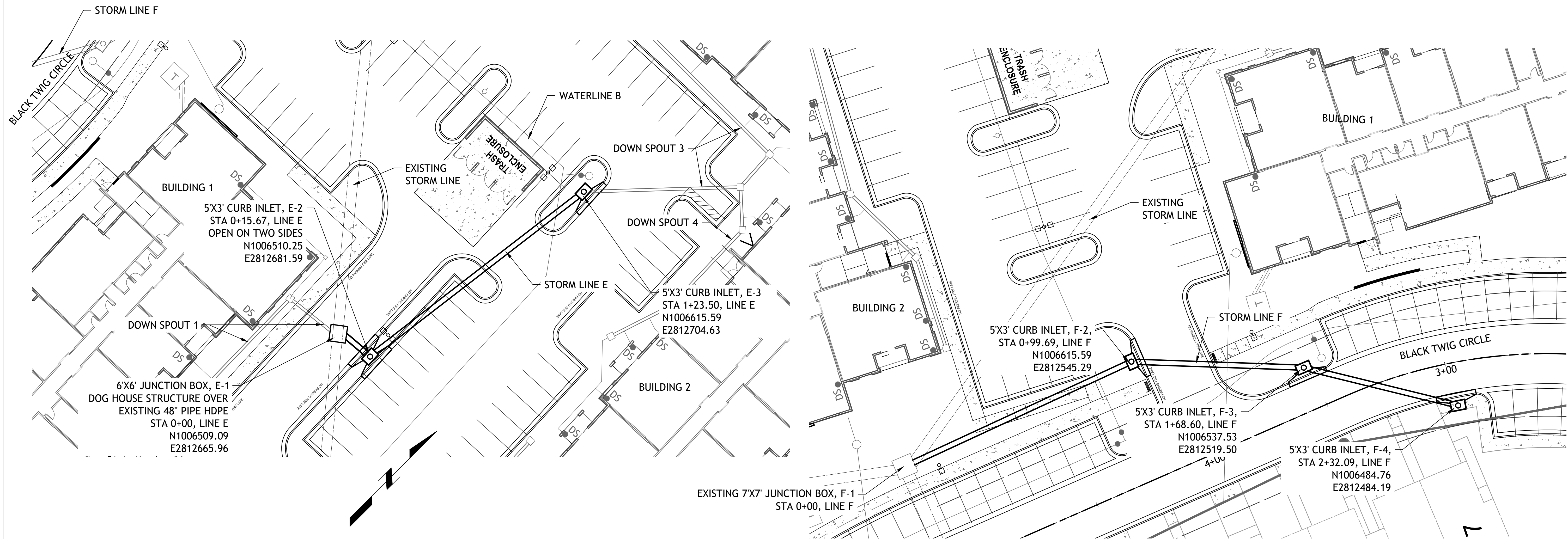




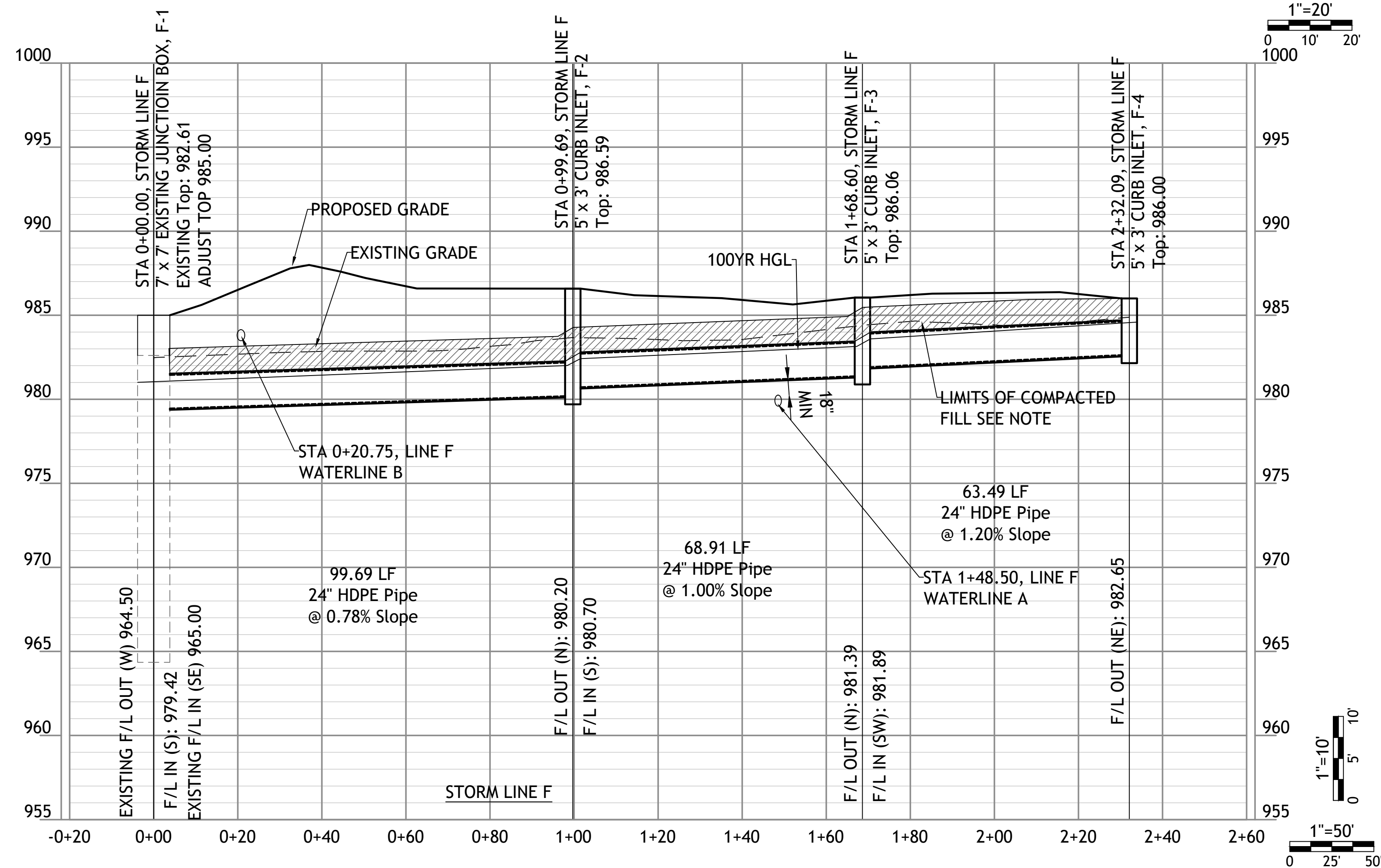
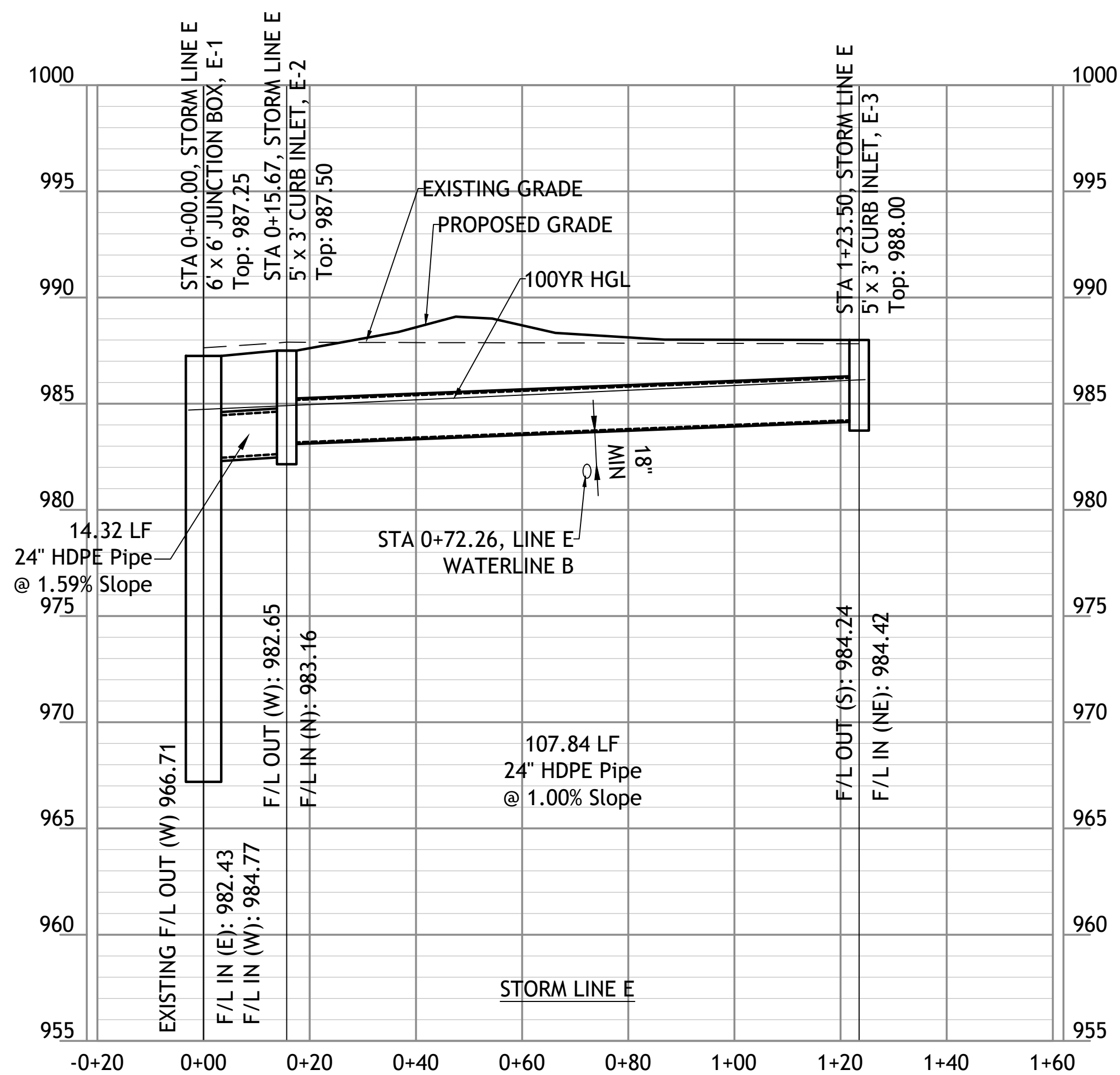
Revisions
6-4-21 CITY COMMENTS
6-22-21 CITY COMMENTS

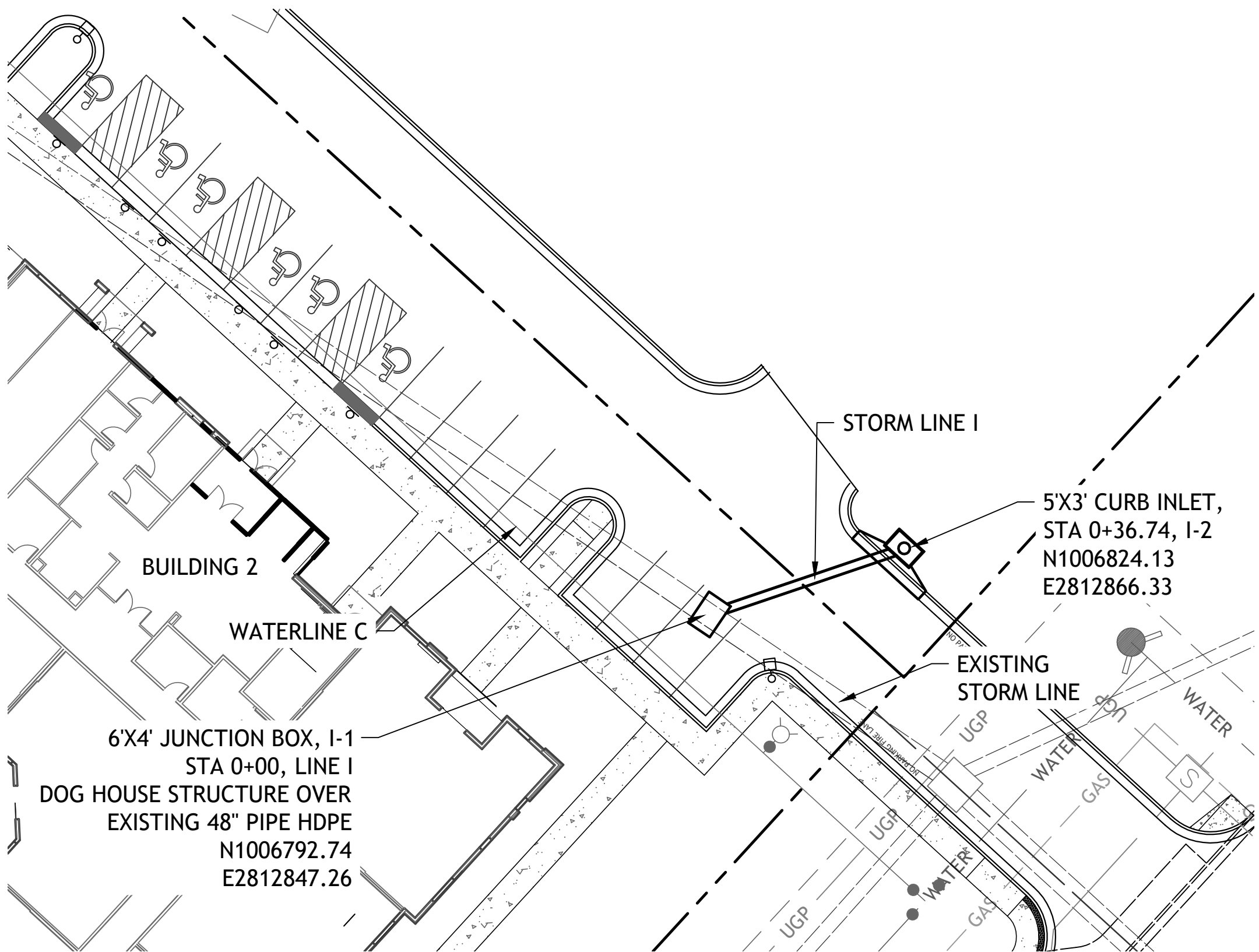
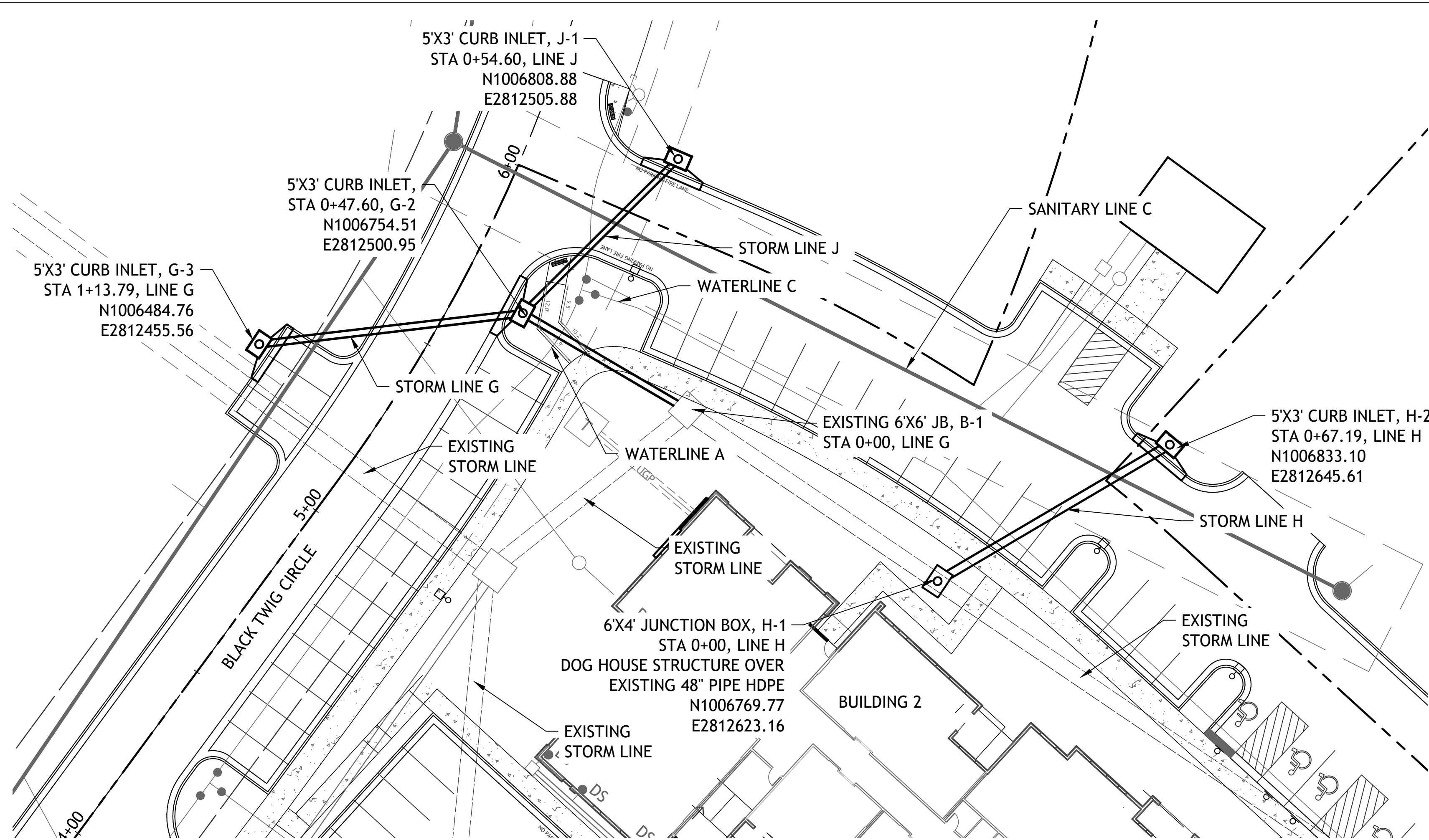


STREETS OF W. PRYOR
LOT 7A
LEES SUMMITT, MO.

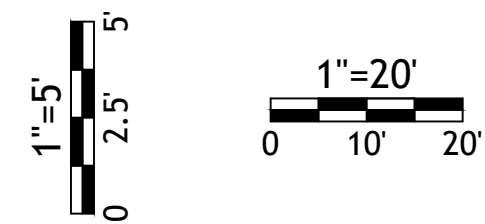
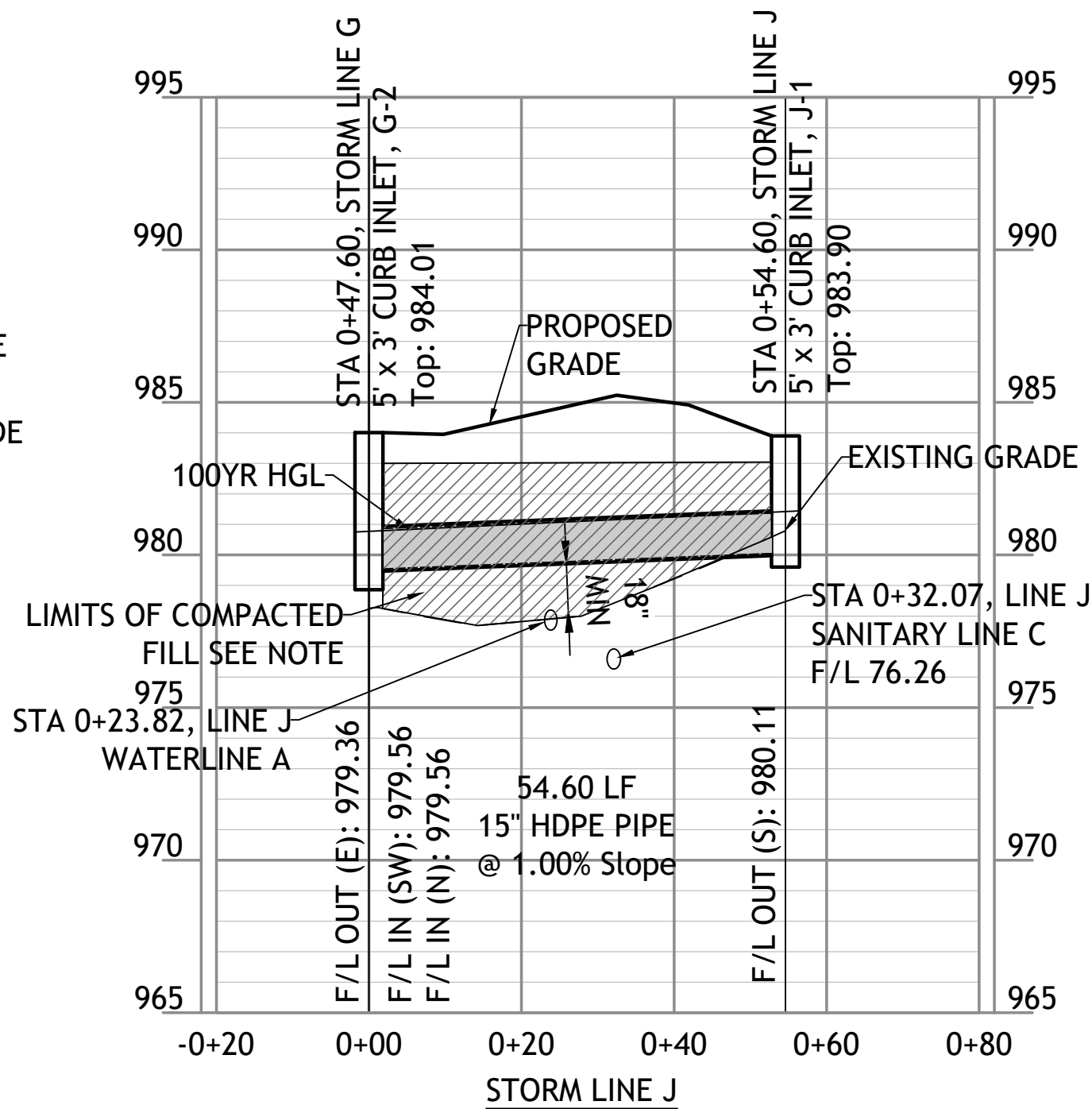
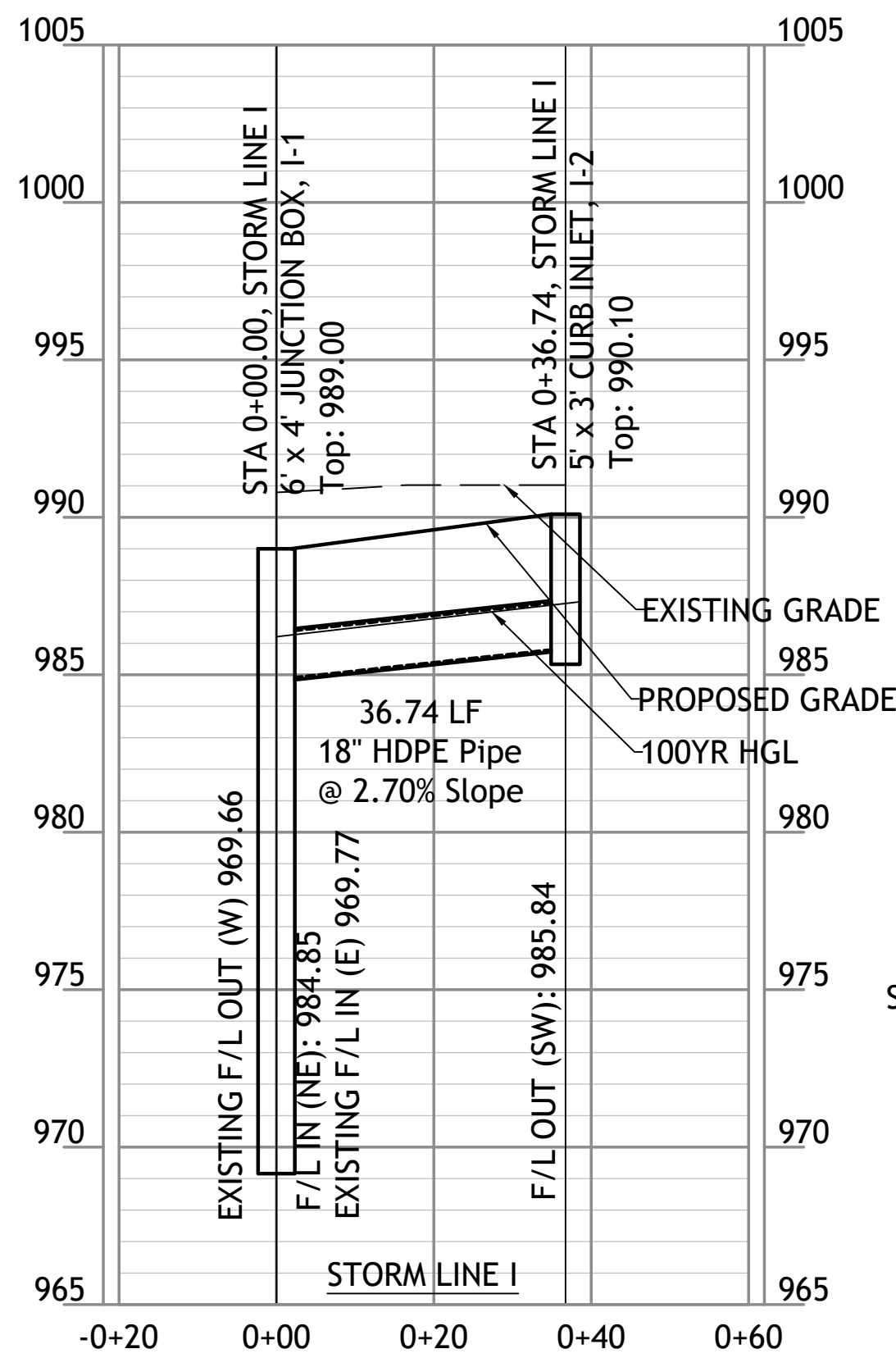
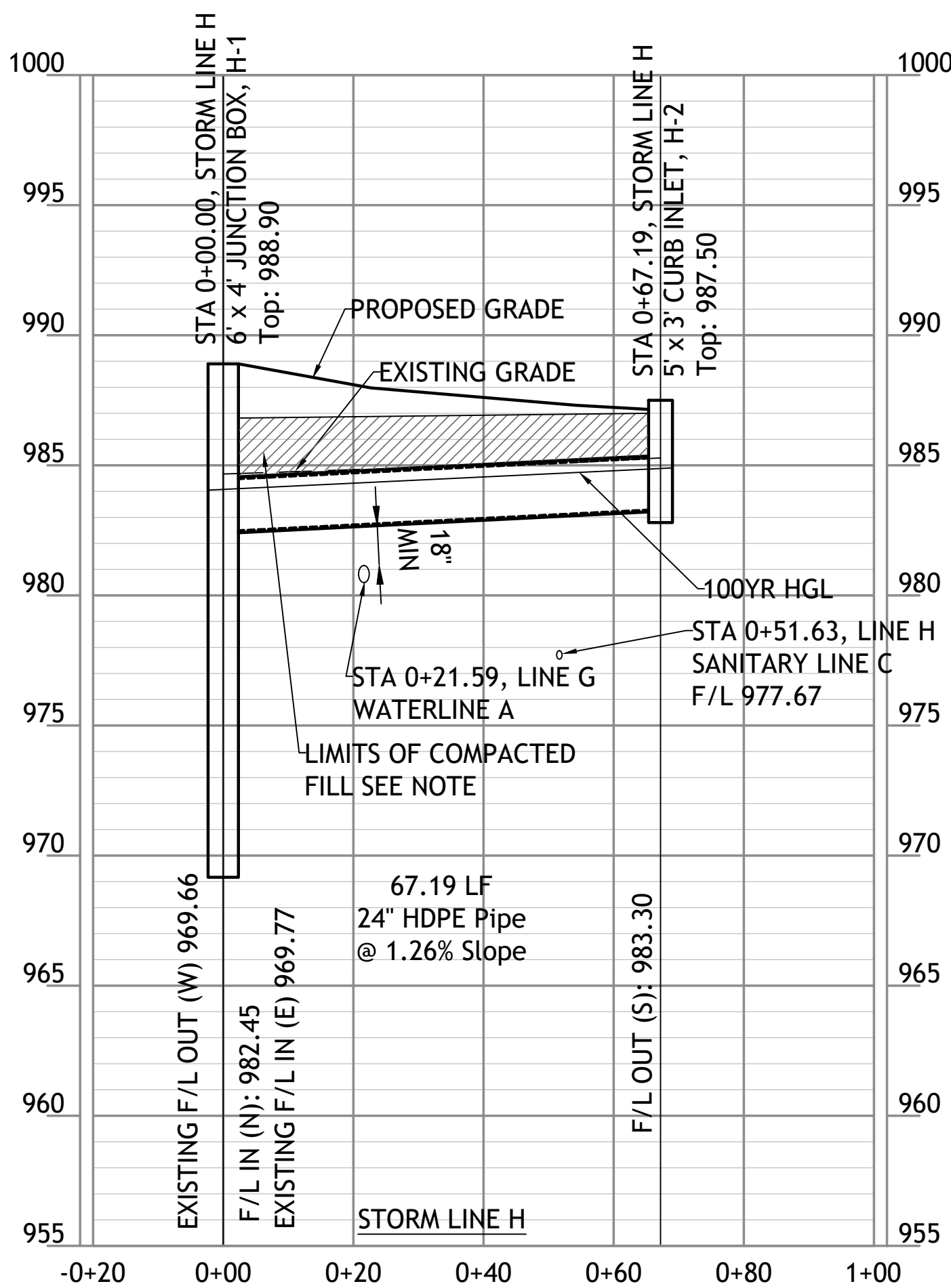
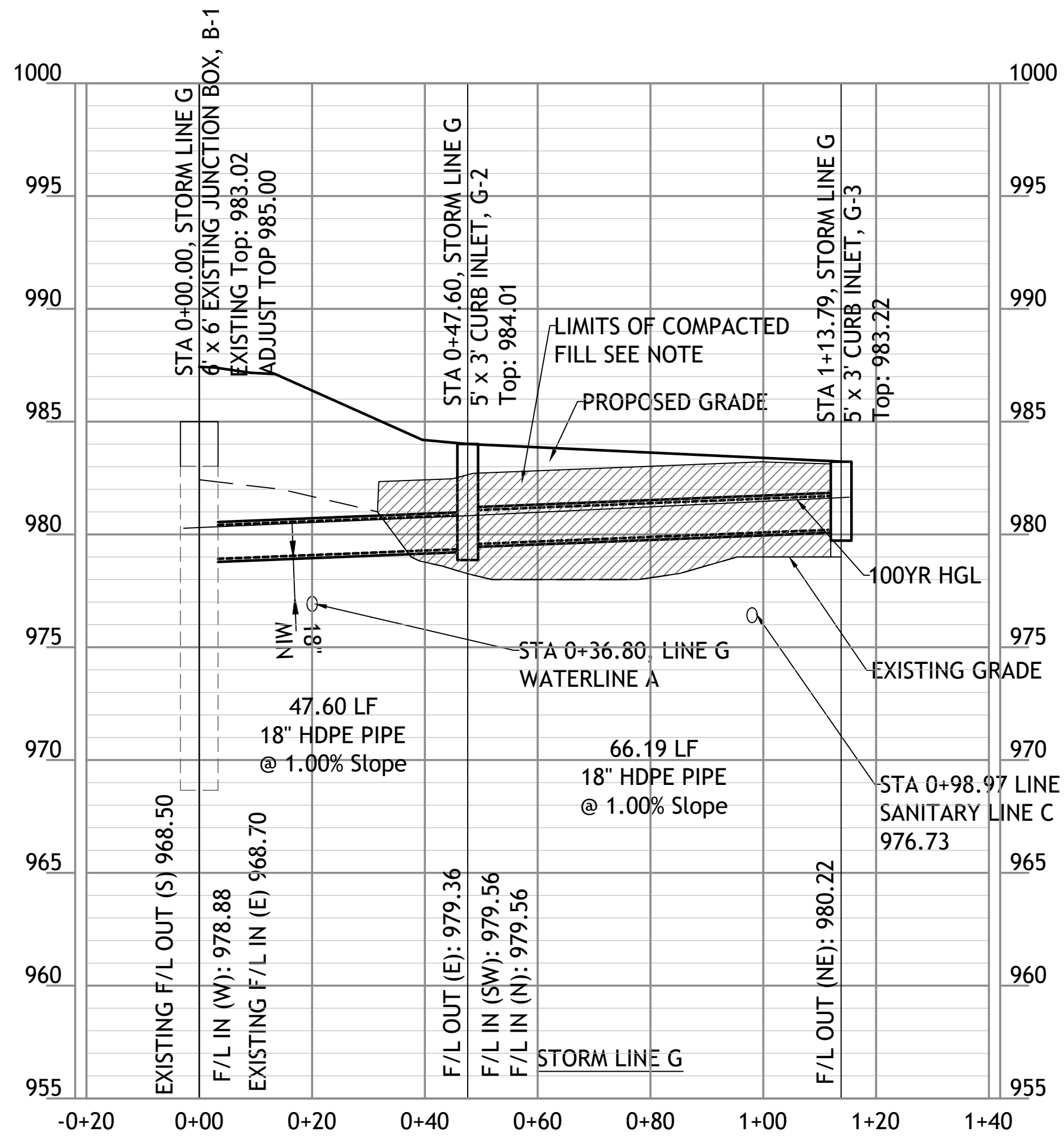


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ABOVE THE TOP OF THE PIPE PRIOR TO INSTALLATION.





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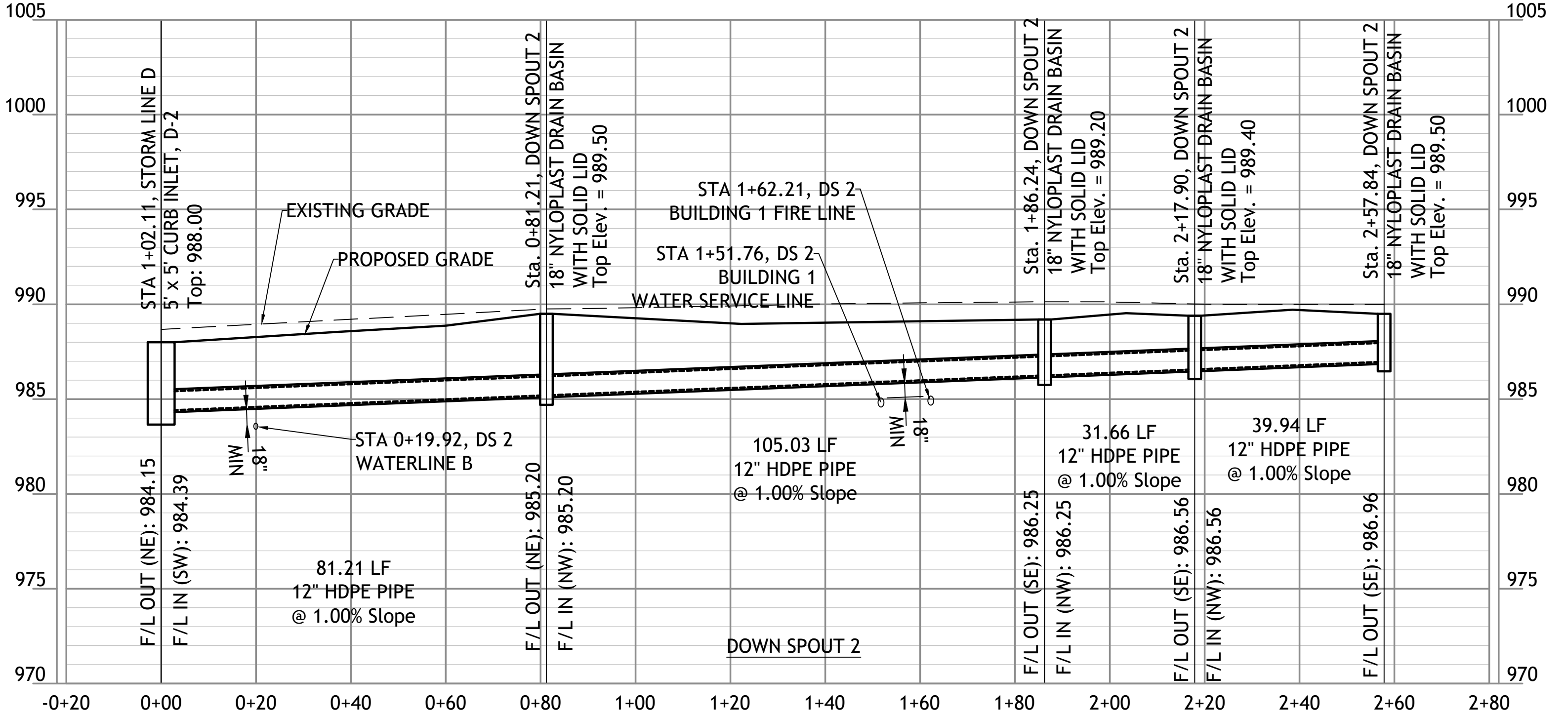
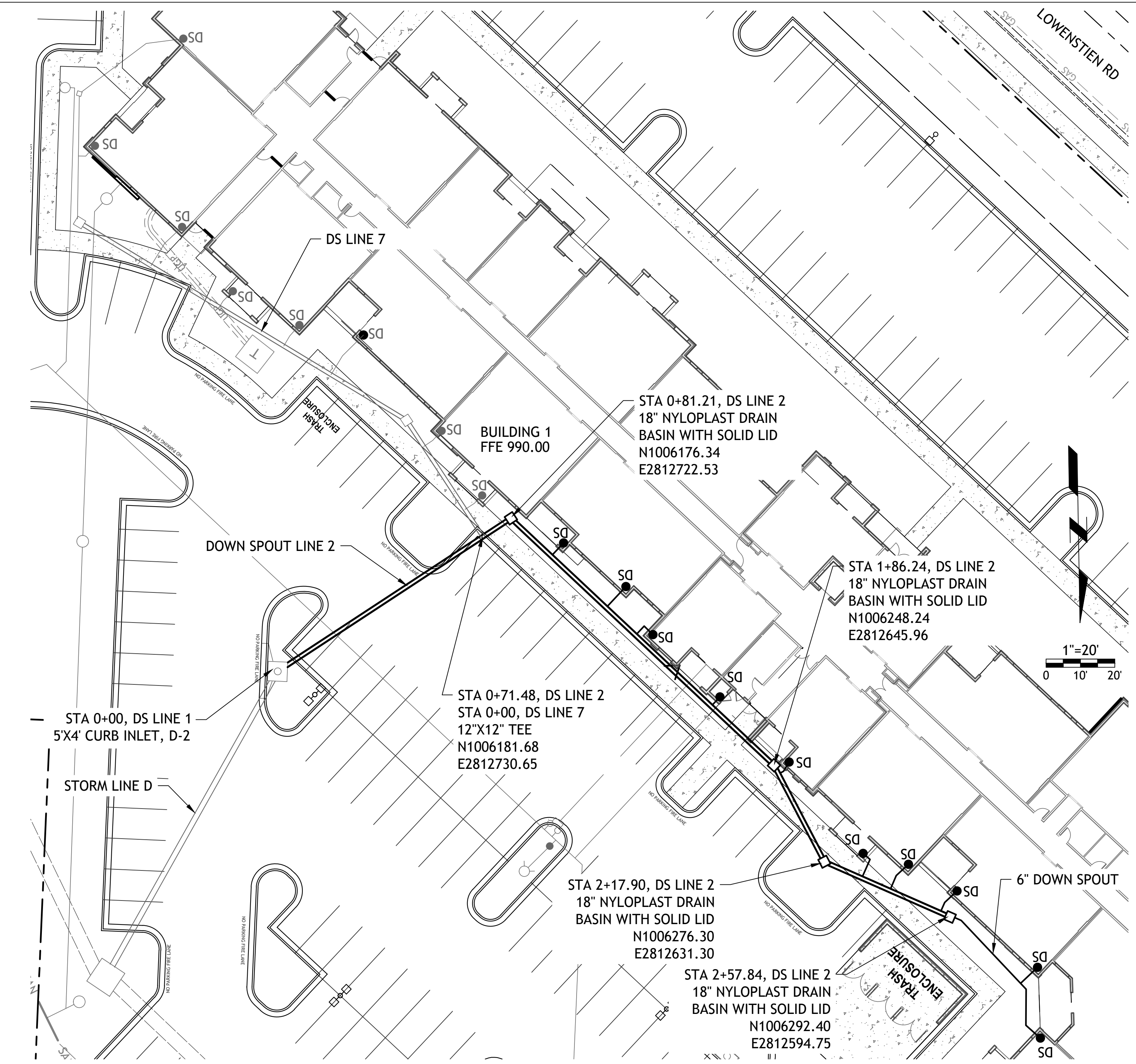
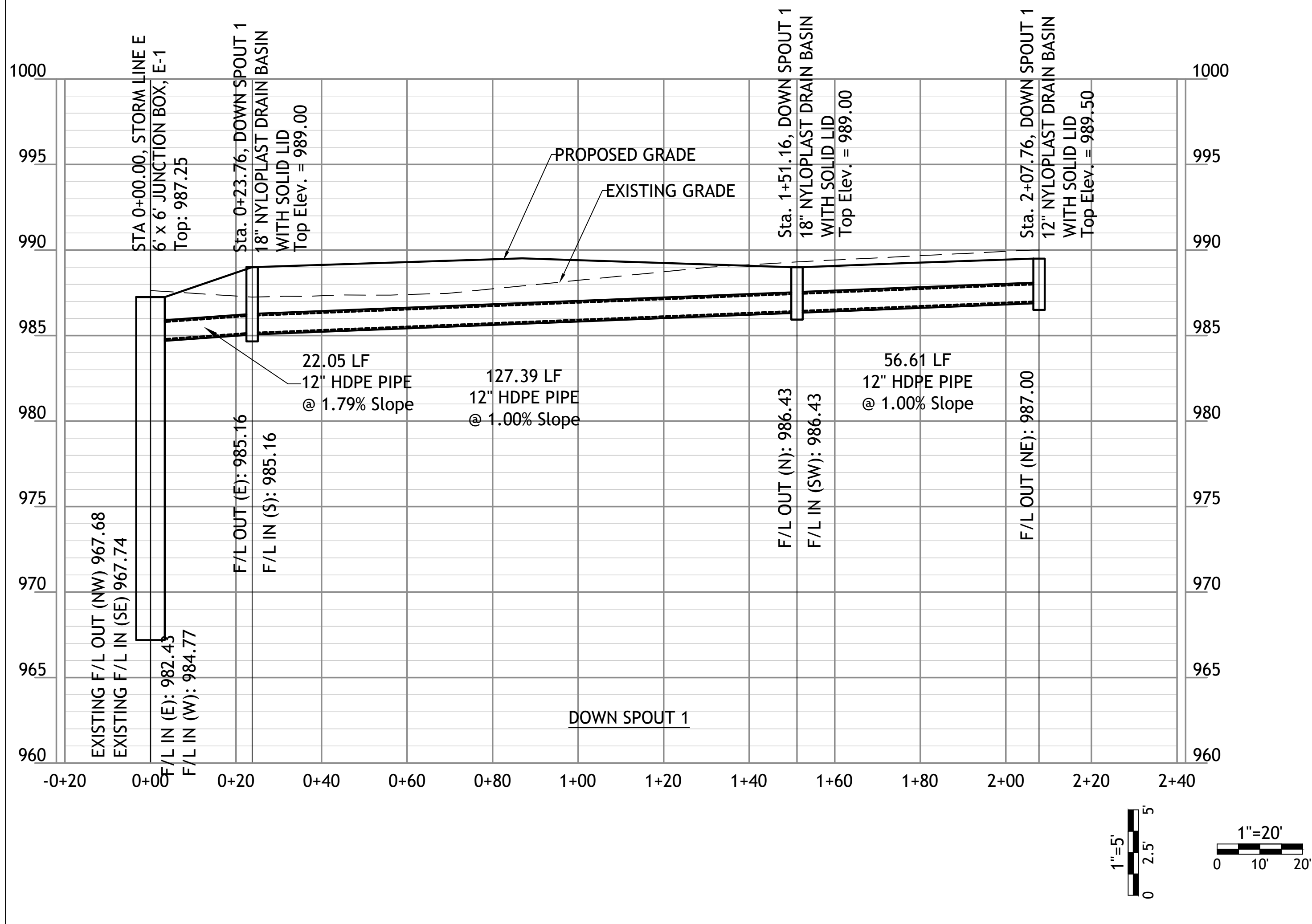
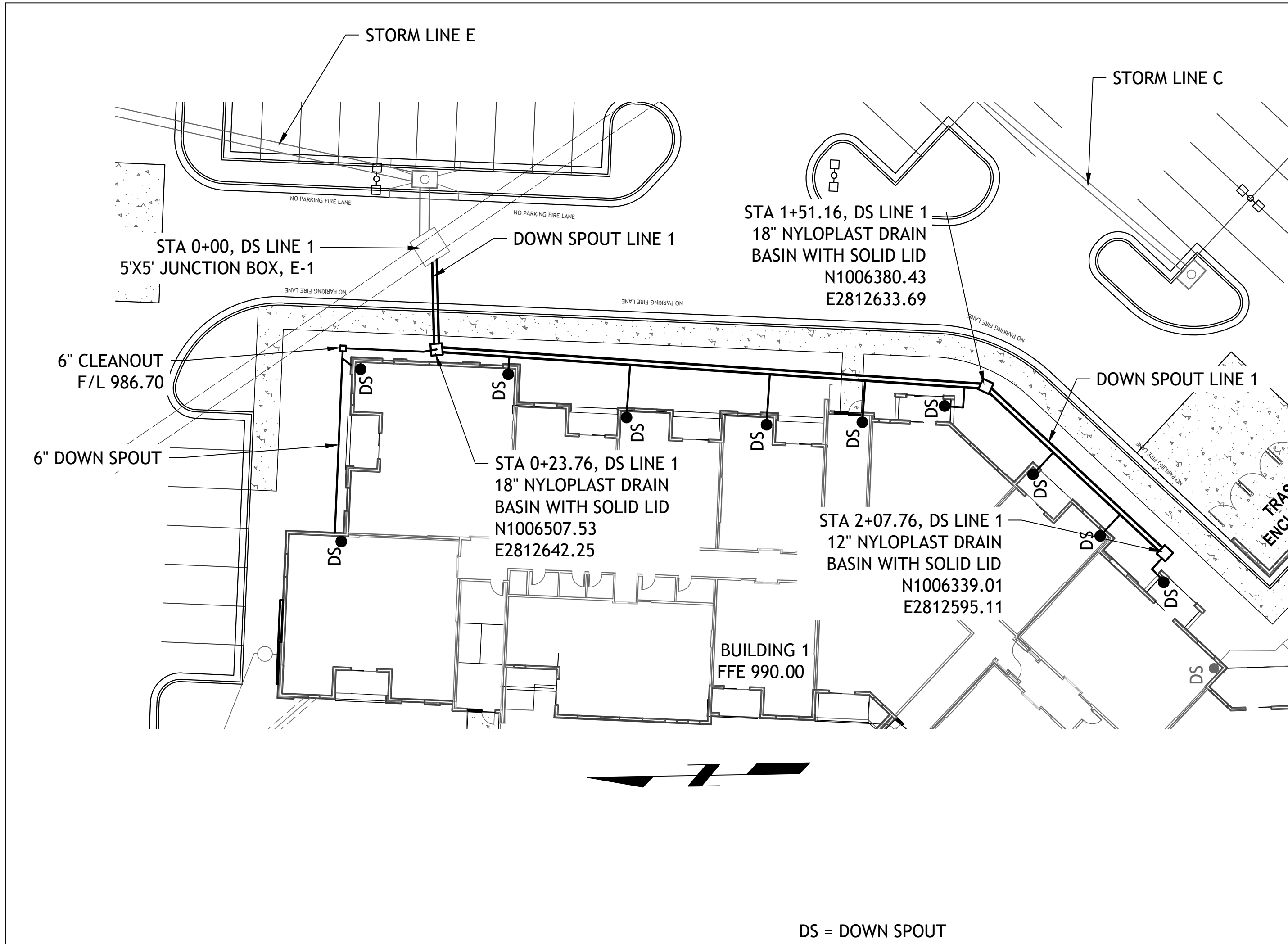
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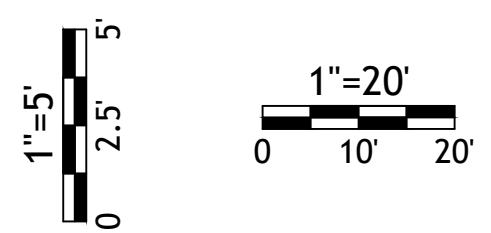
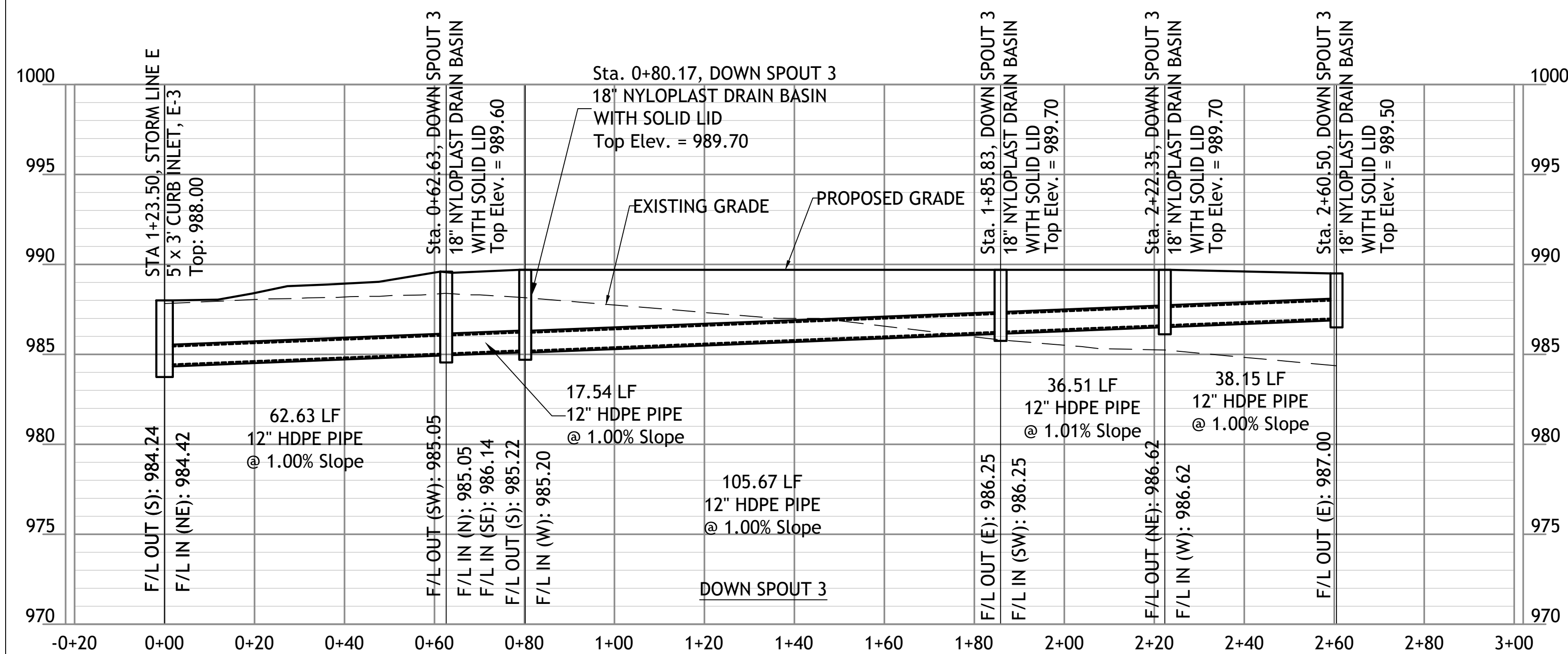
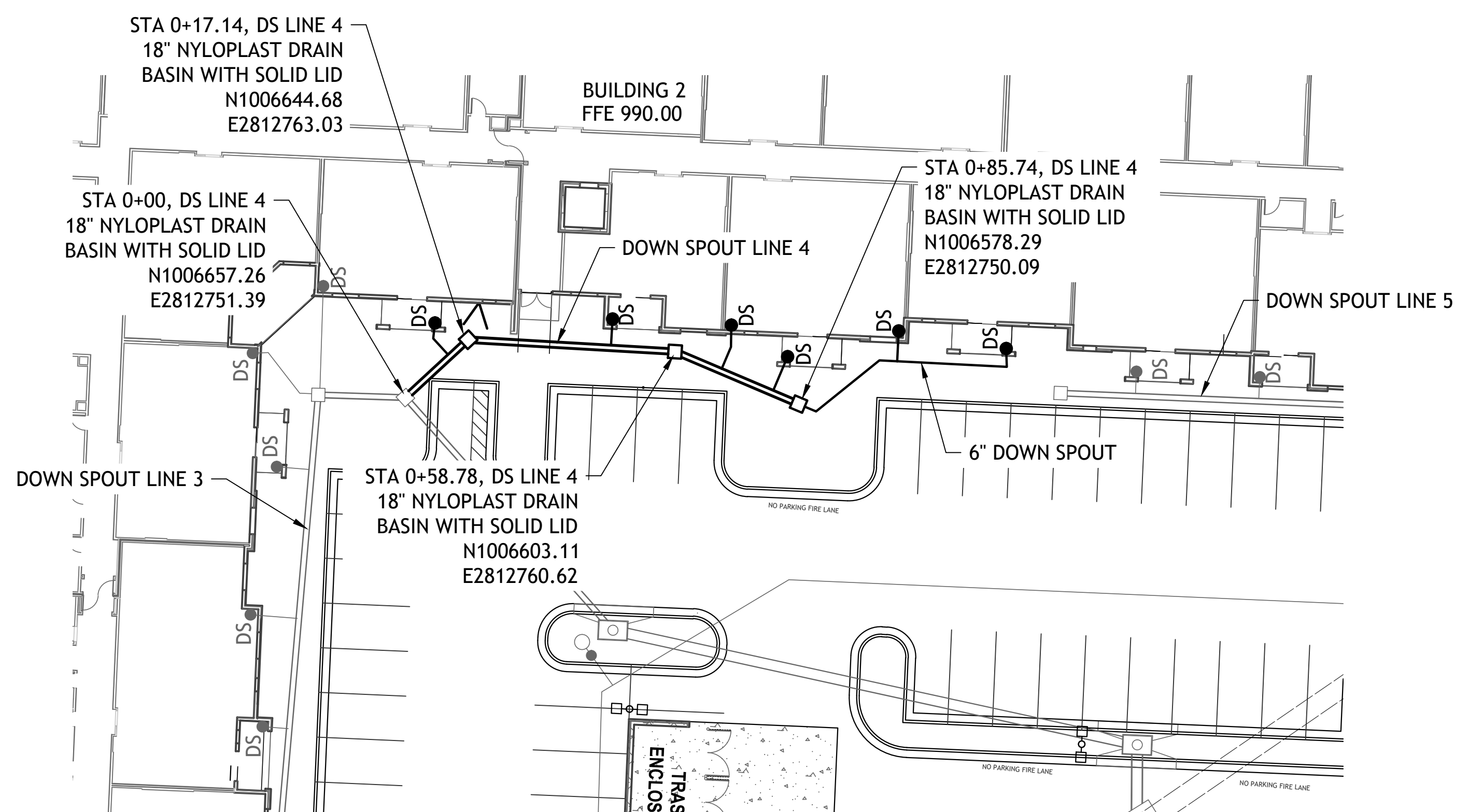
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Revisions
6-4-21 CITY COMMENTS
6-22-21 CITY COMMENTS

STREETS OF W. PRYOR
LOT 7A
LEES SUMMITT, MO.

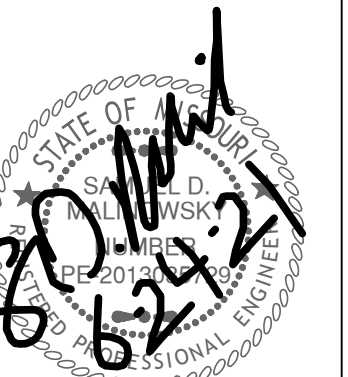
sheet
C16.0
Civil
STORM LINE G, H, I & J
PLAN AND PROFILE
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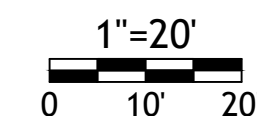
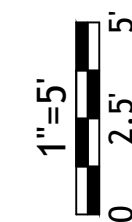
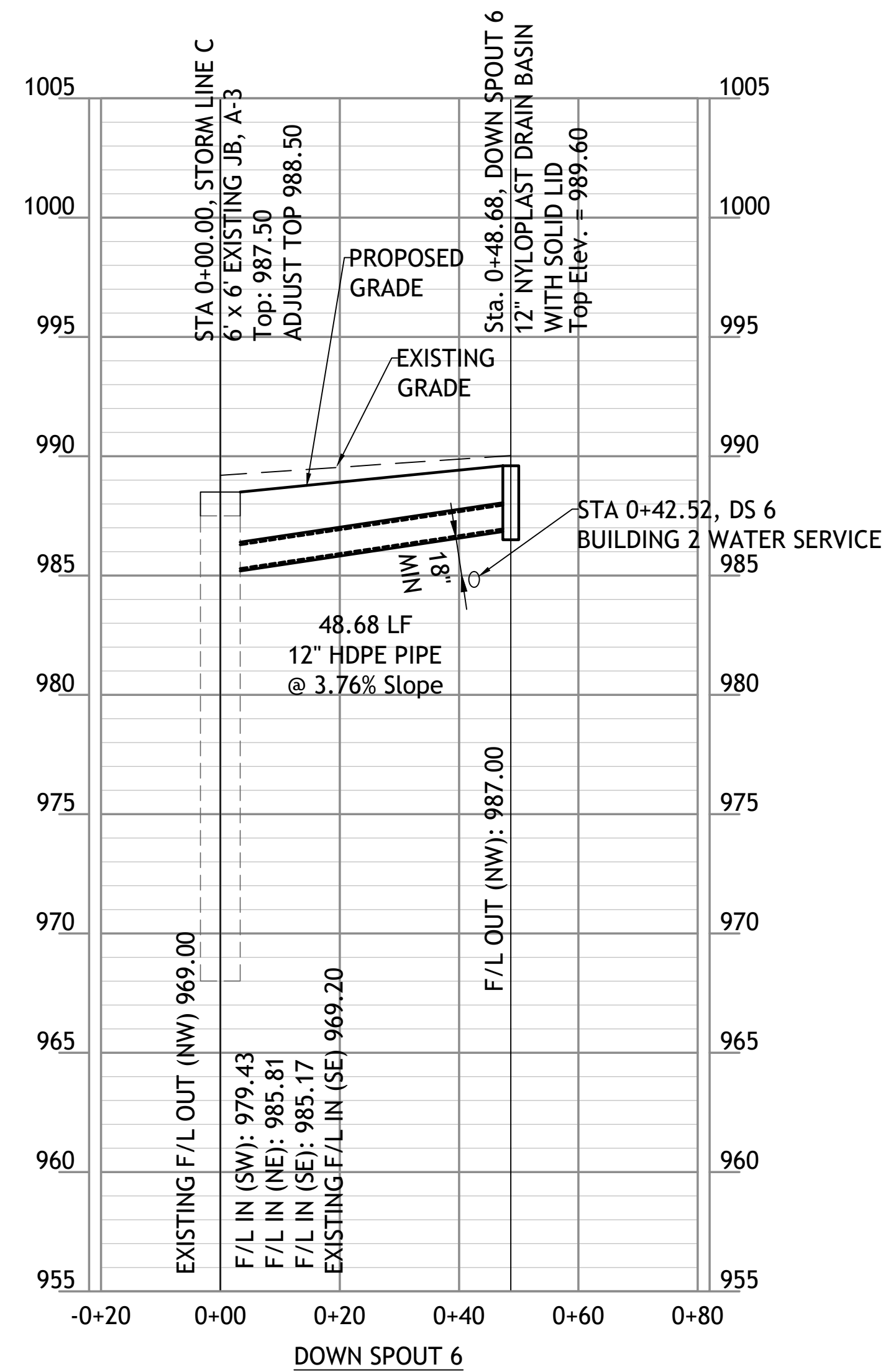
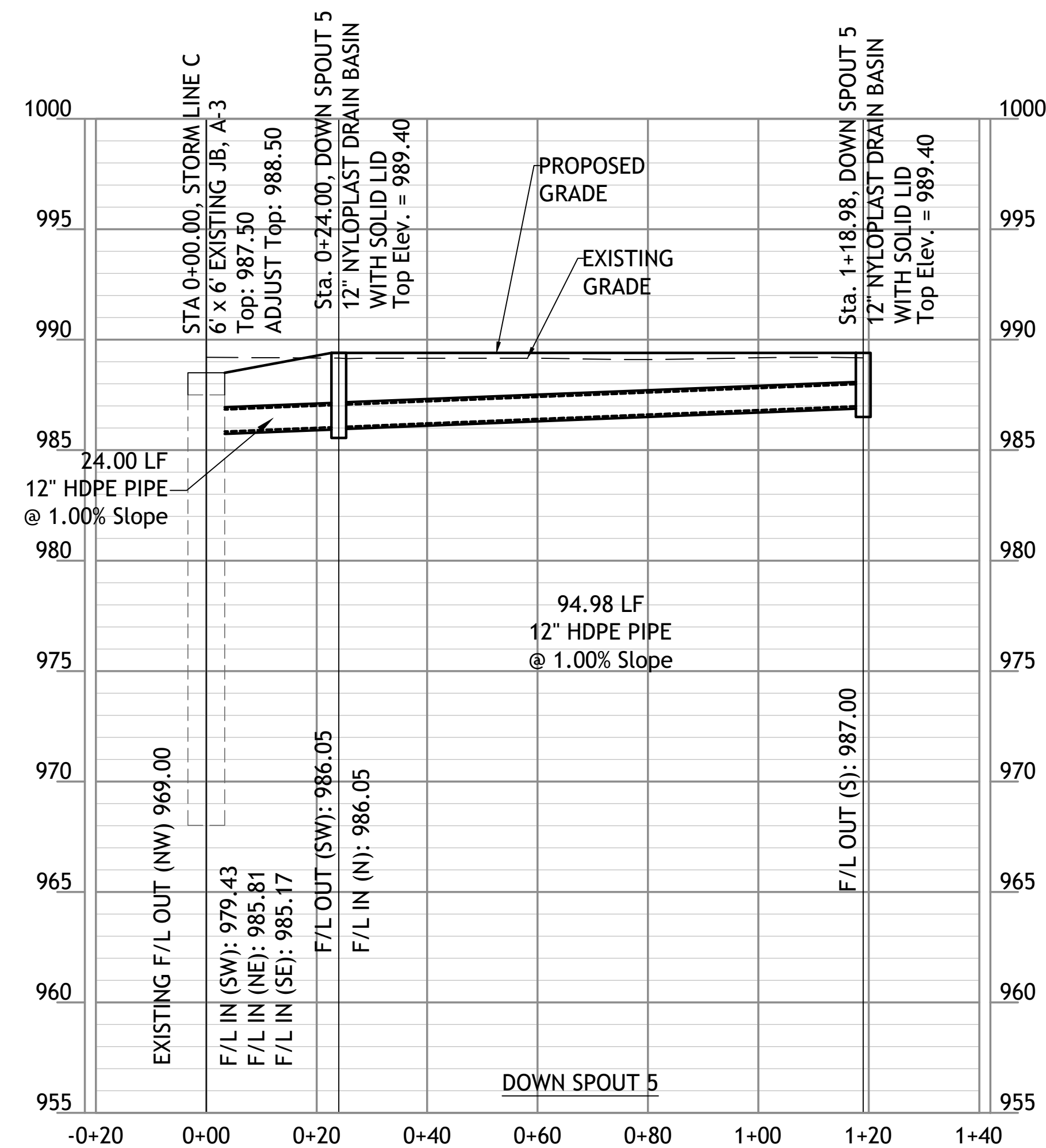
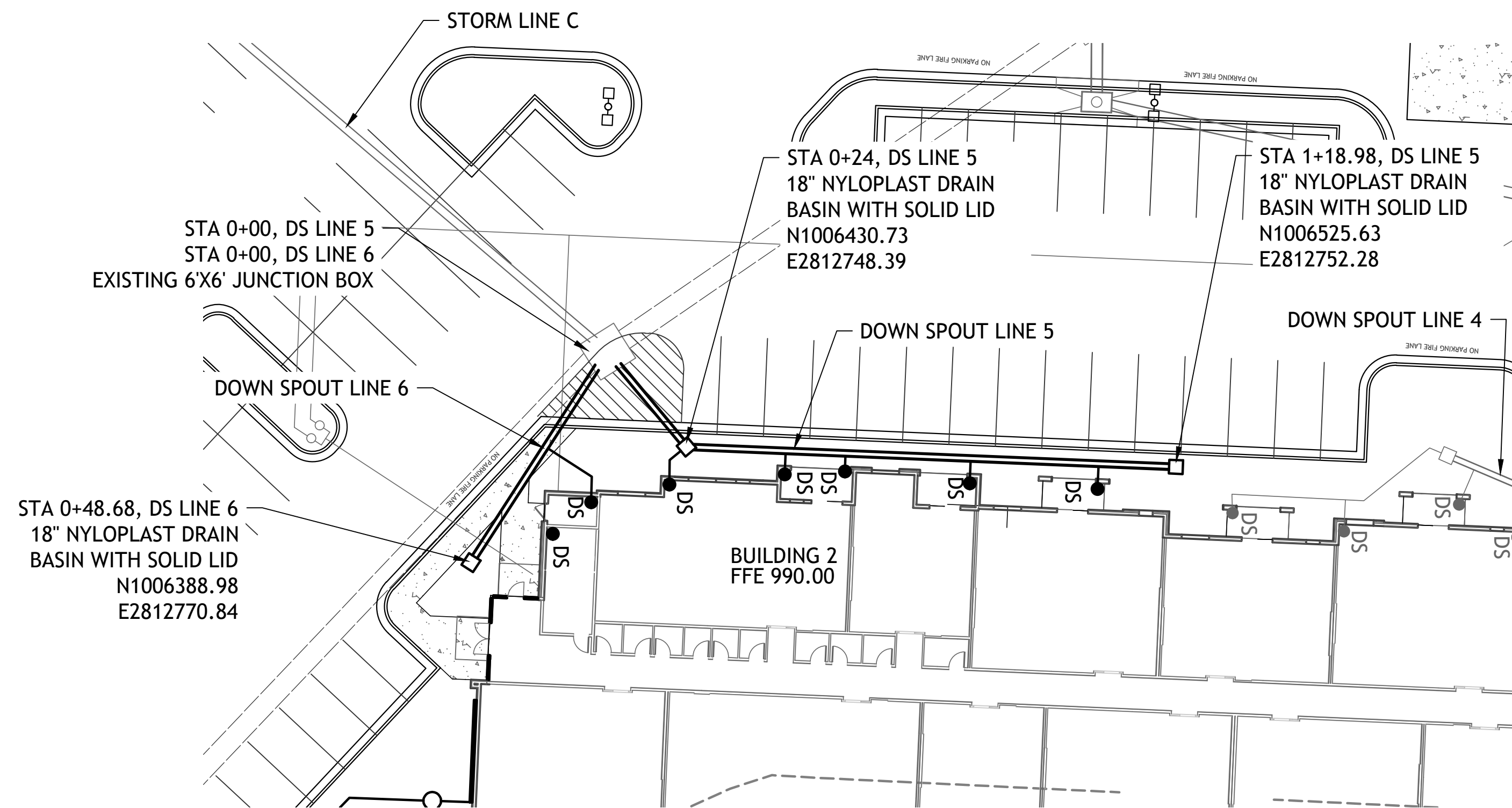
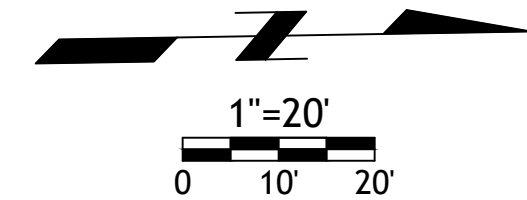
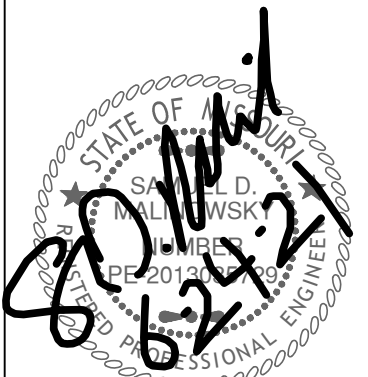
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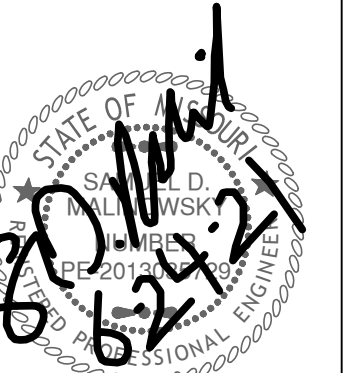
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Civil
DOWN SPOUT 3 & 4
PLAN AND PROFILE
permit
5 MAY 2021



DS = DOWN SPOUT

STREETS OF W. PRYOR
LOT 7A
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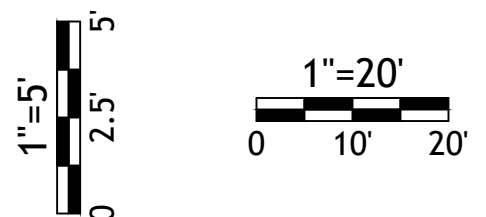
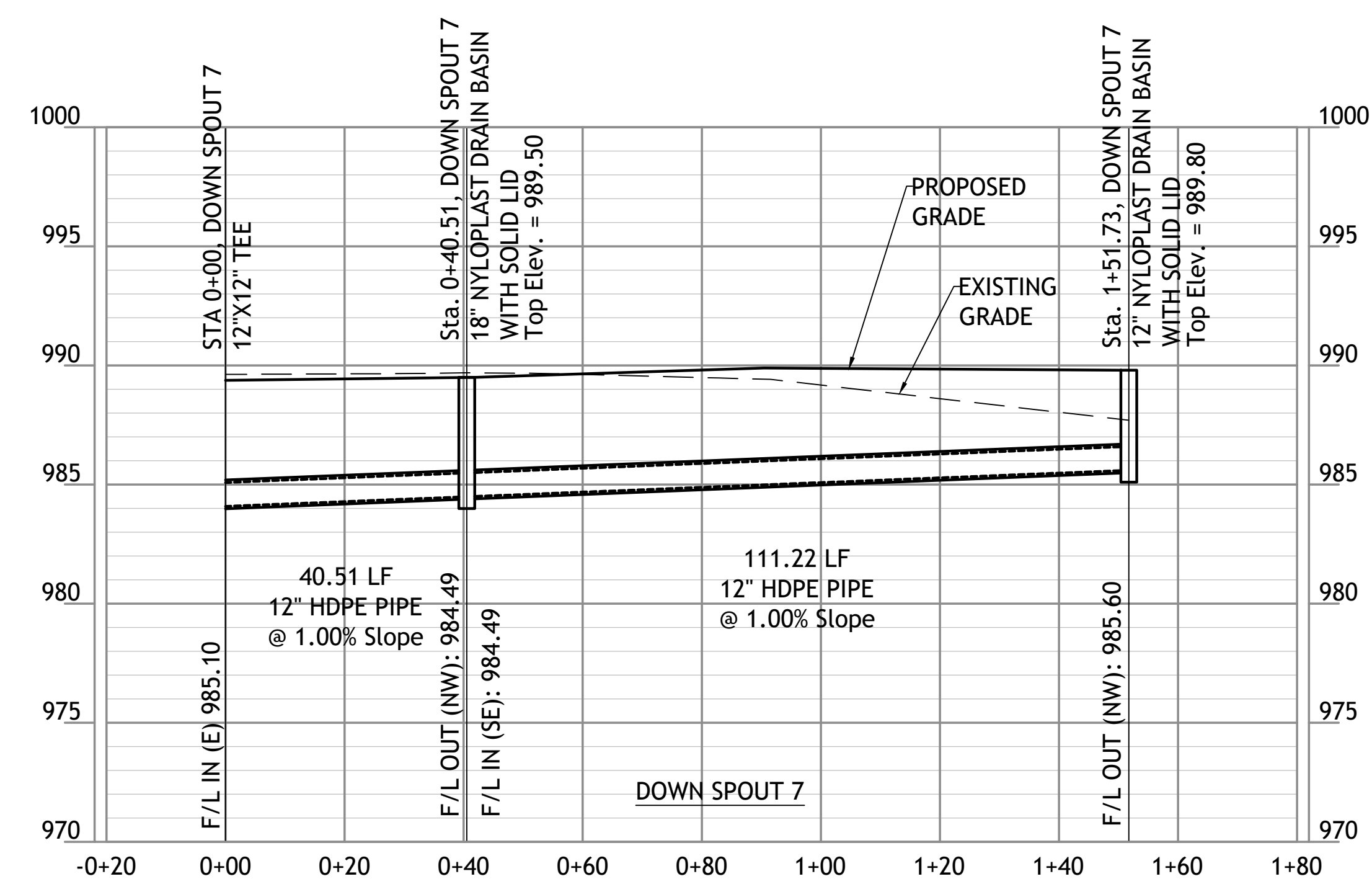
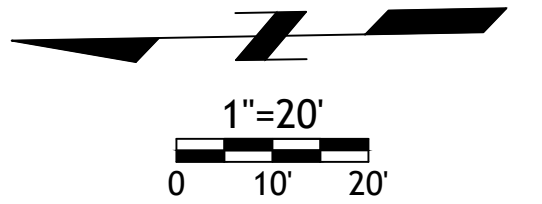
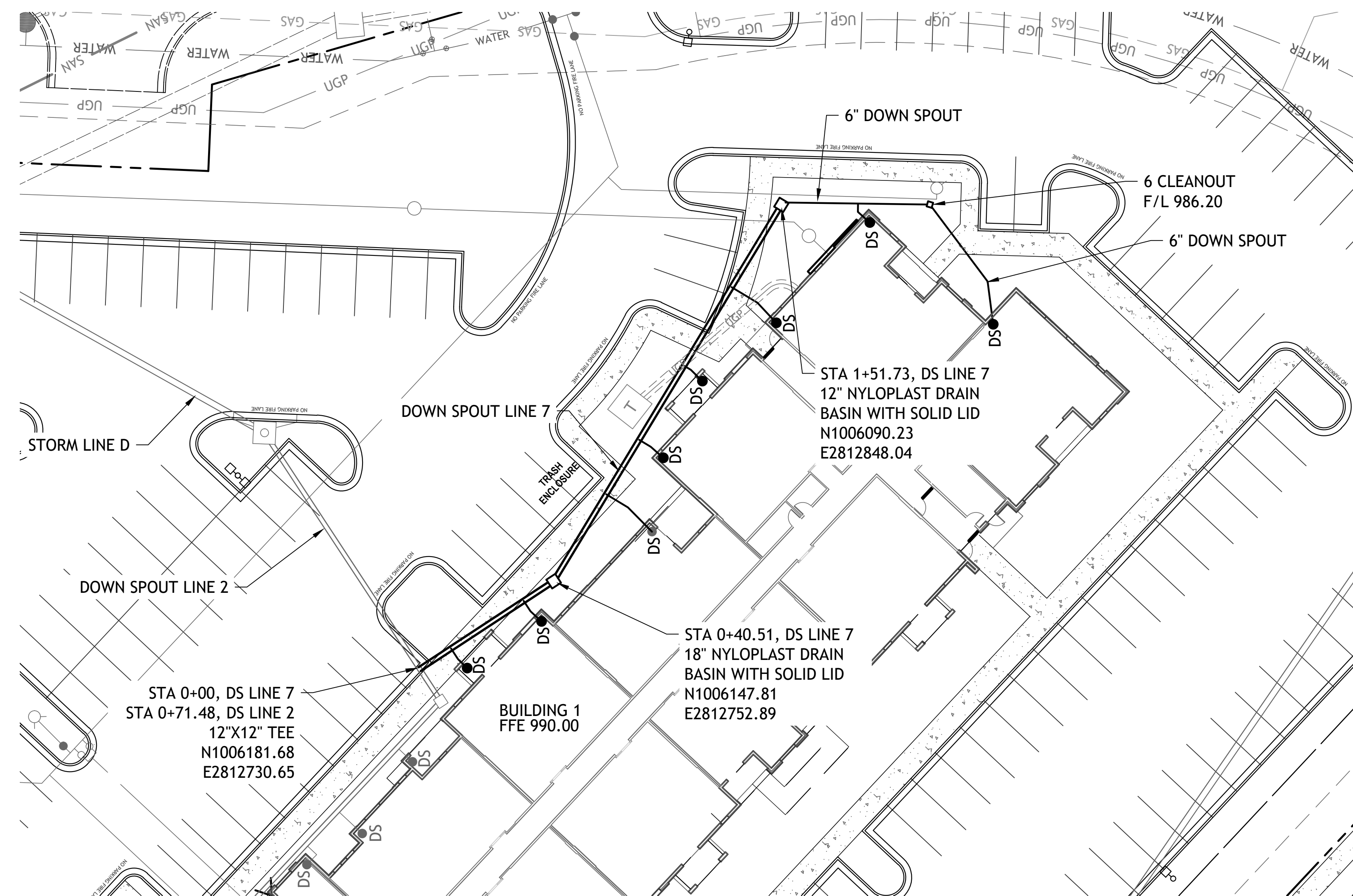
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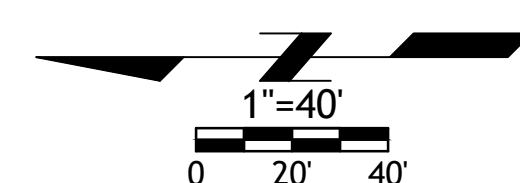
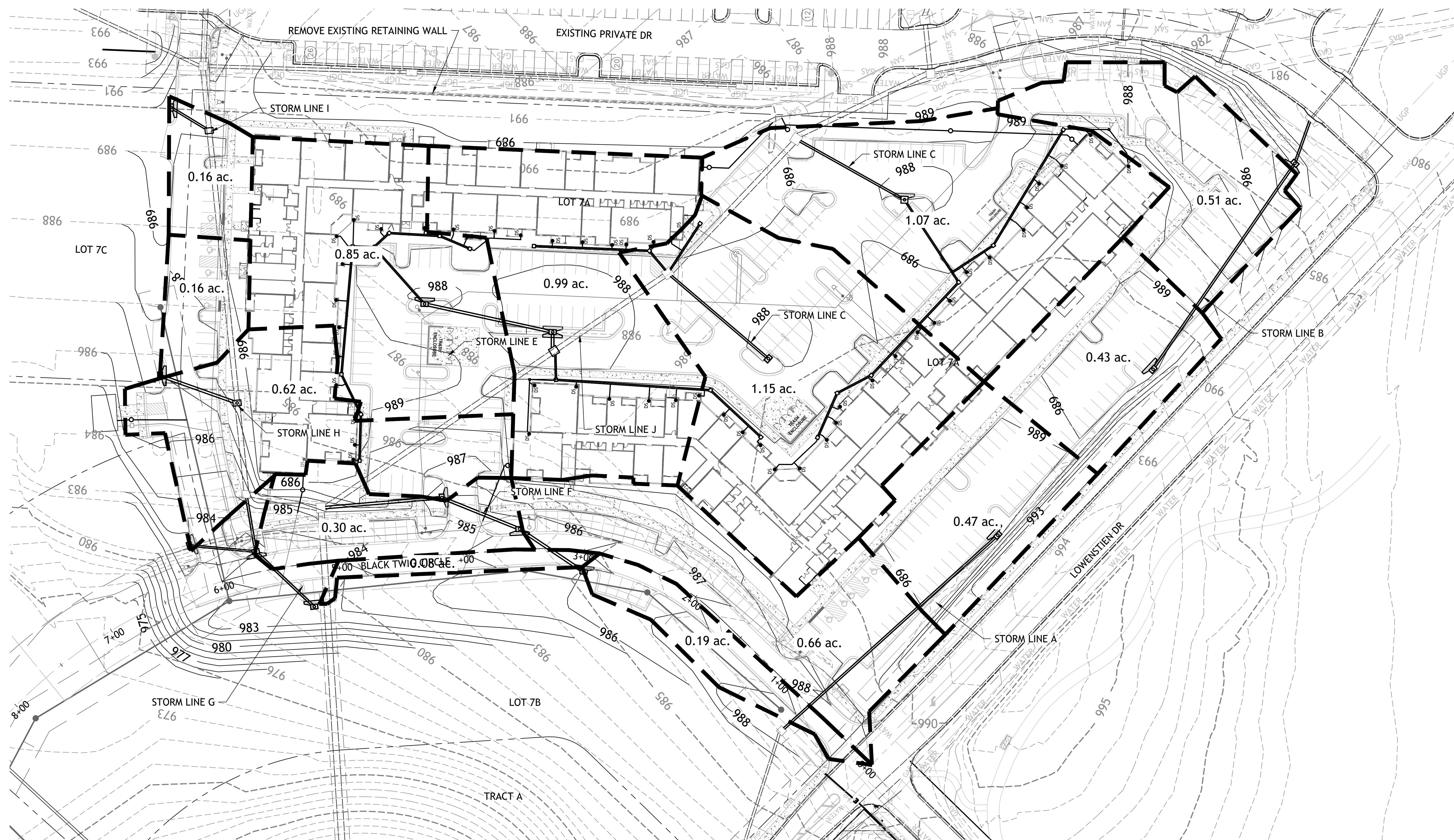


Revisions
4-21 CITY COMMENTS
22-21 CITY COMMENTS

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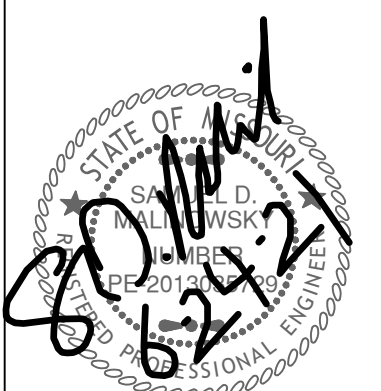
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C20.0
Civil
DOWN SPOUT 7
PLAN AND PROFILE
permit
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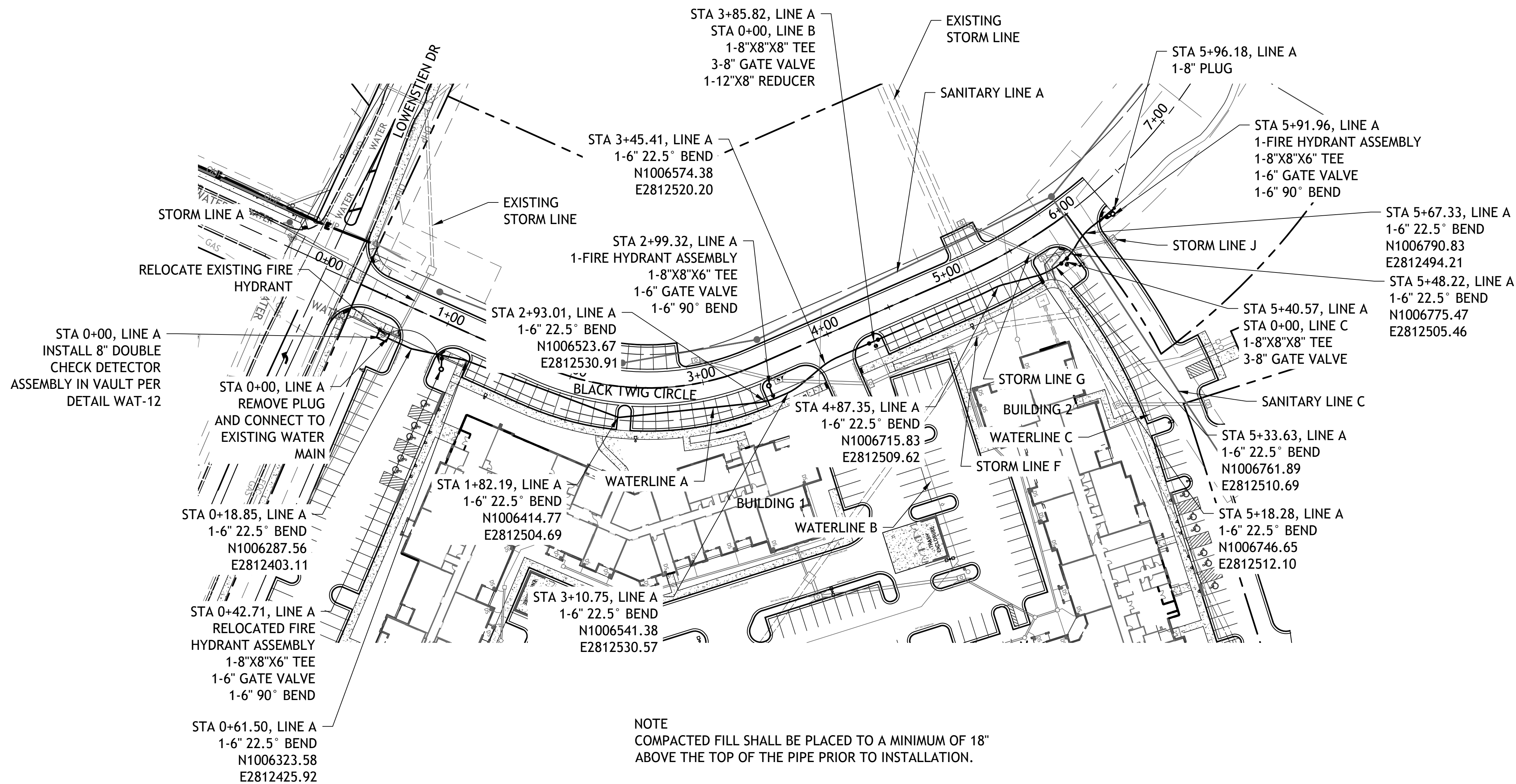
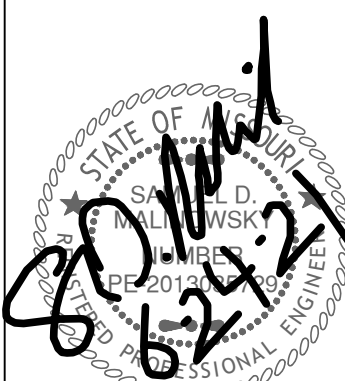
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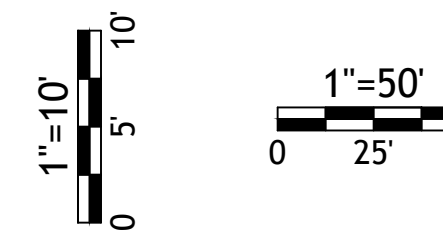
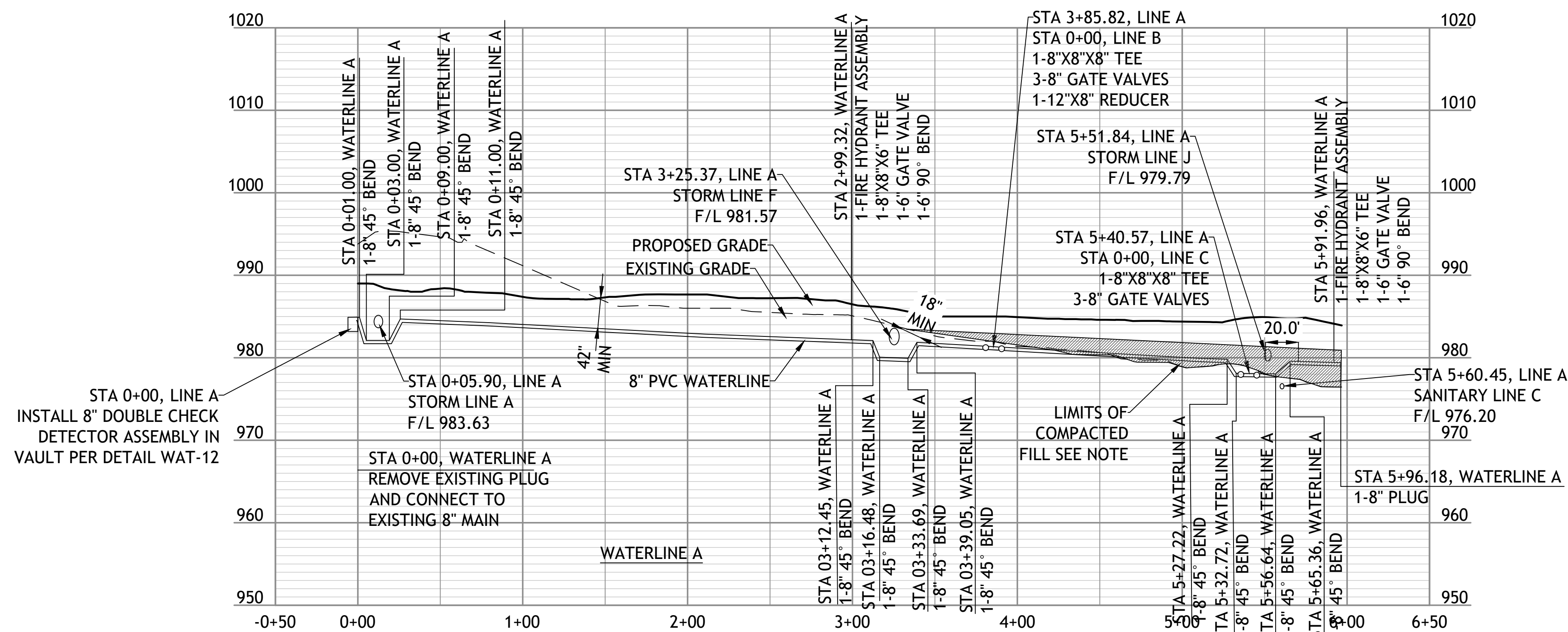
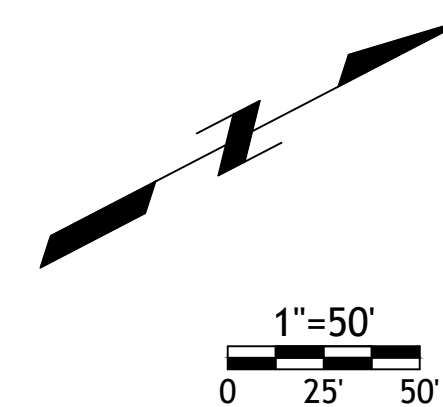
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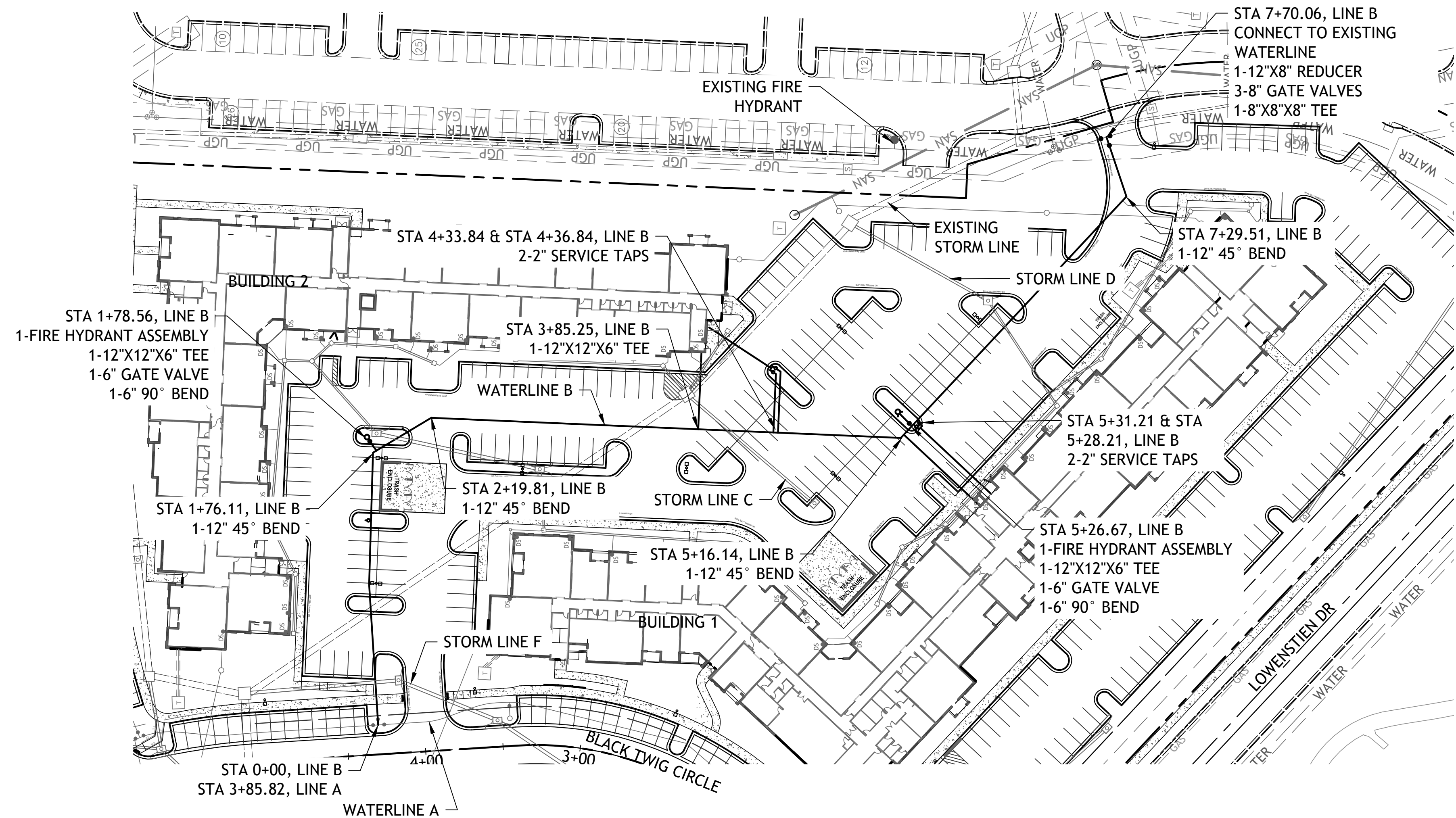
STREETS OF W. PRYOR
LOT 7A
LEES SUMMITT, MO.

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Civil
DRAINAGE PLAN
permit
5 MAY 2021

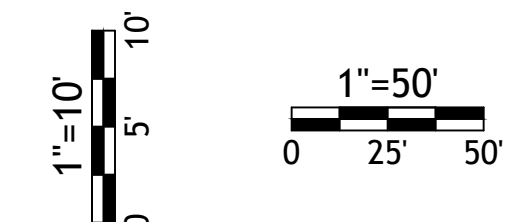
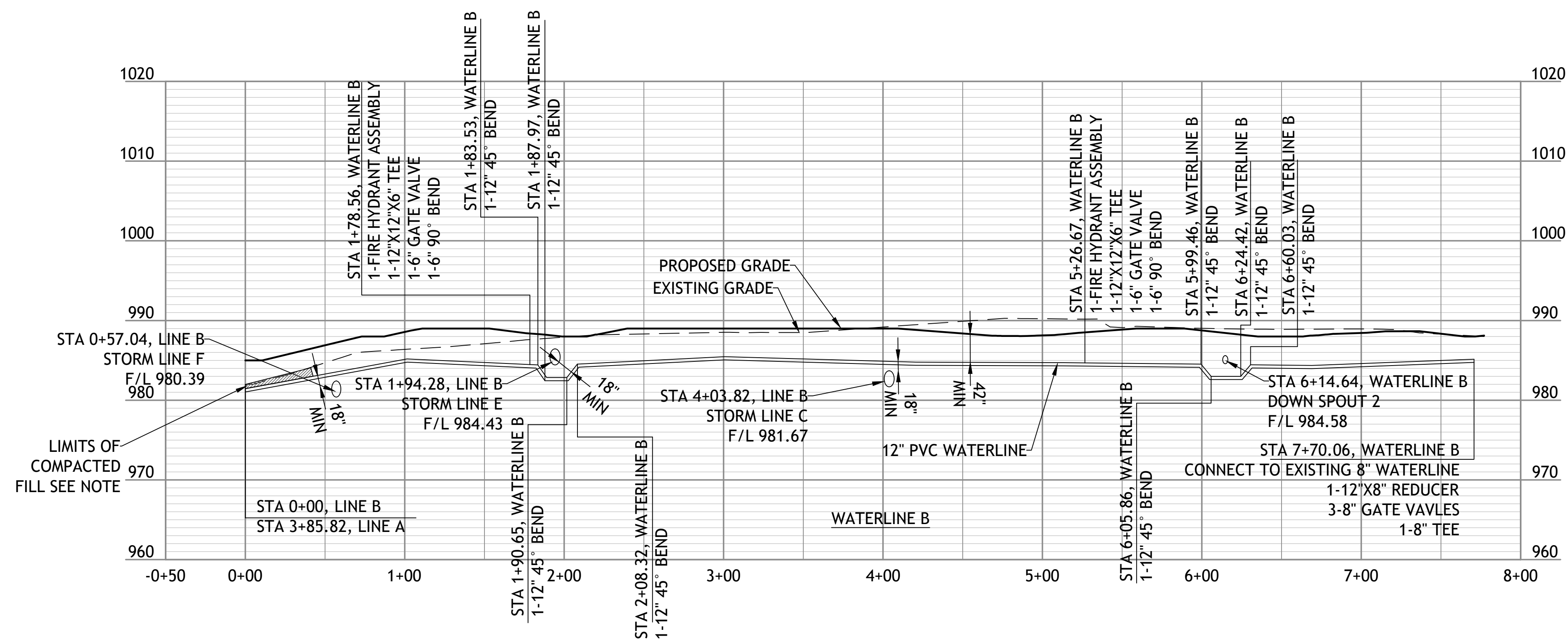
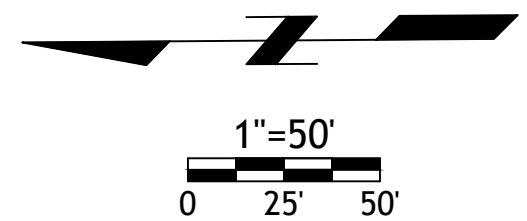


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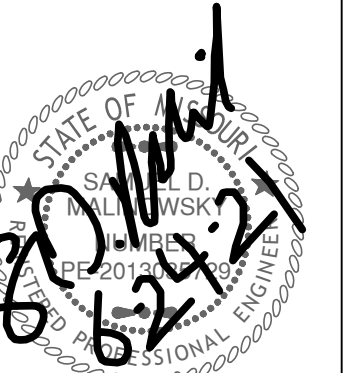




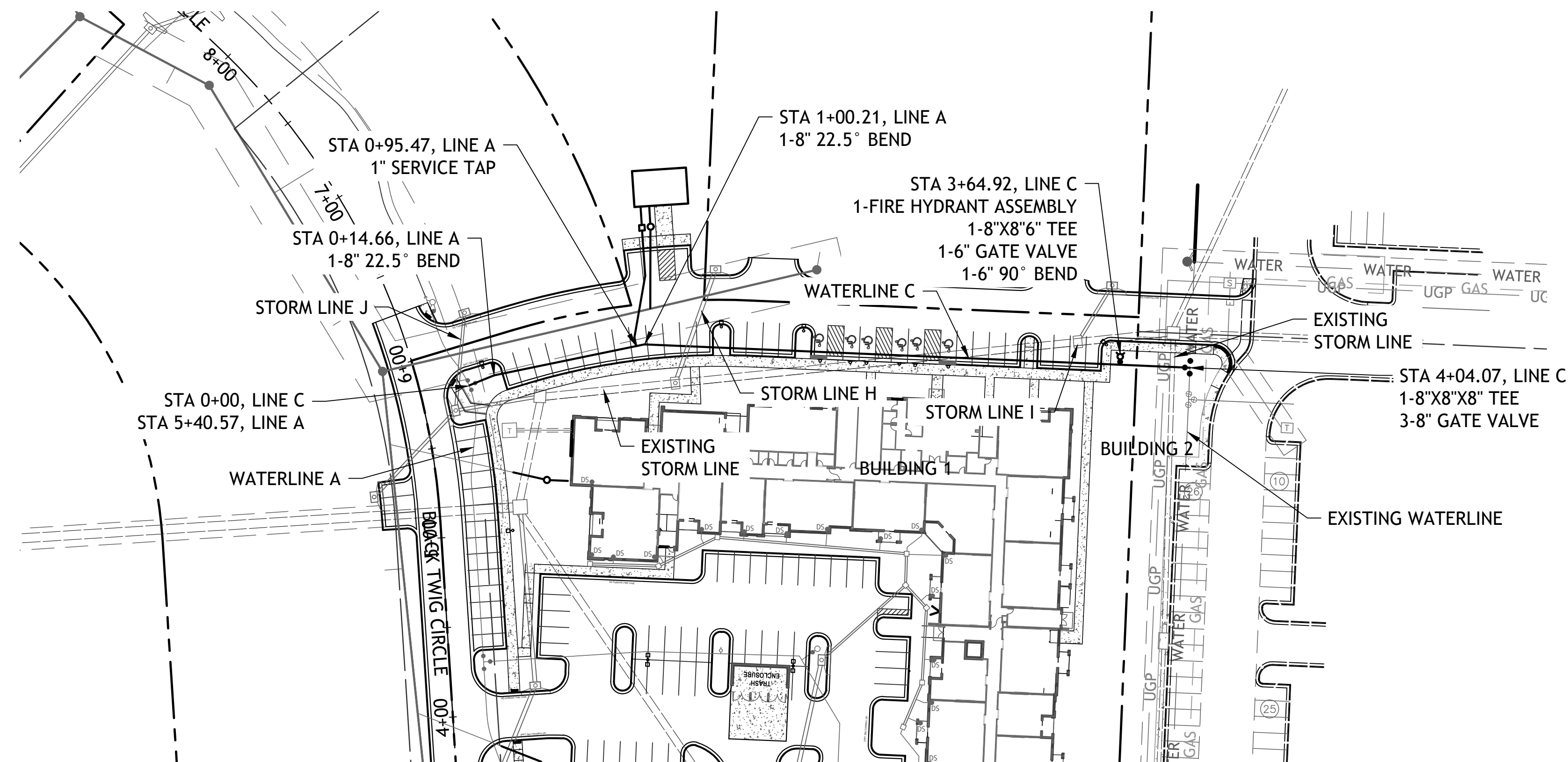
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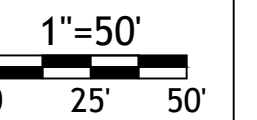
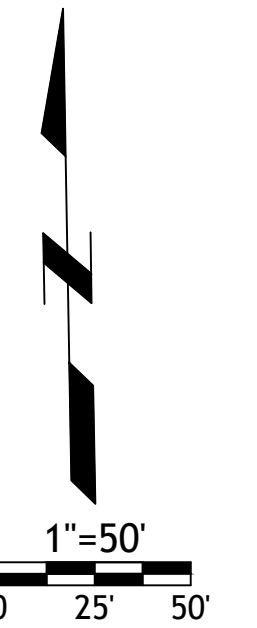
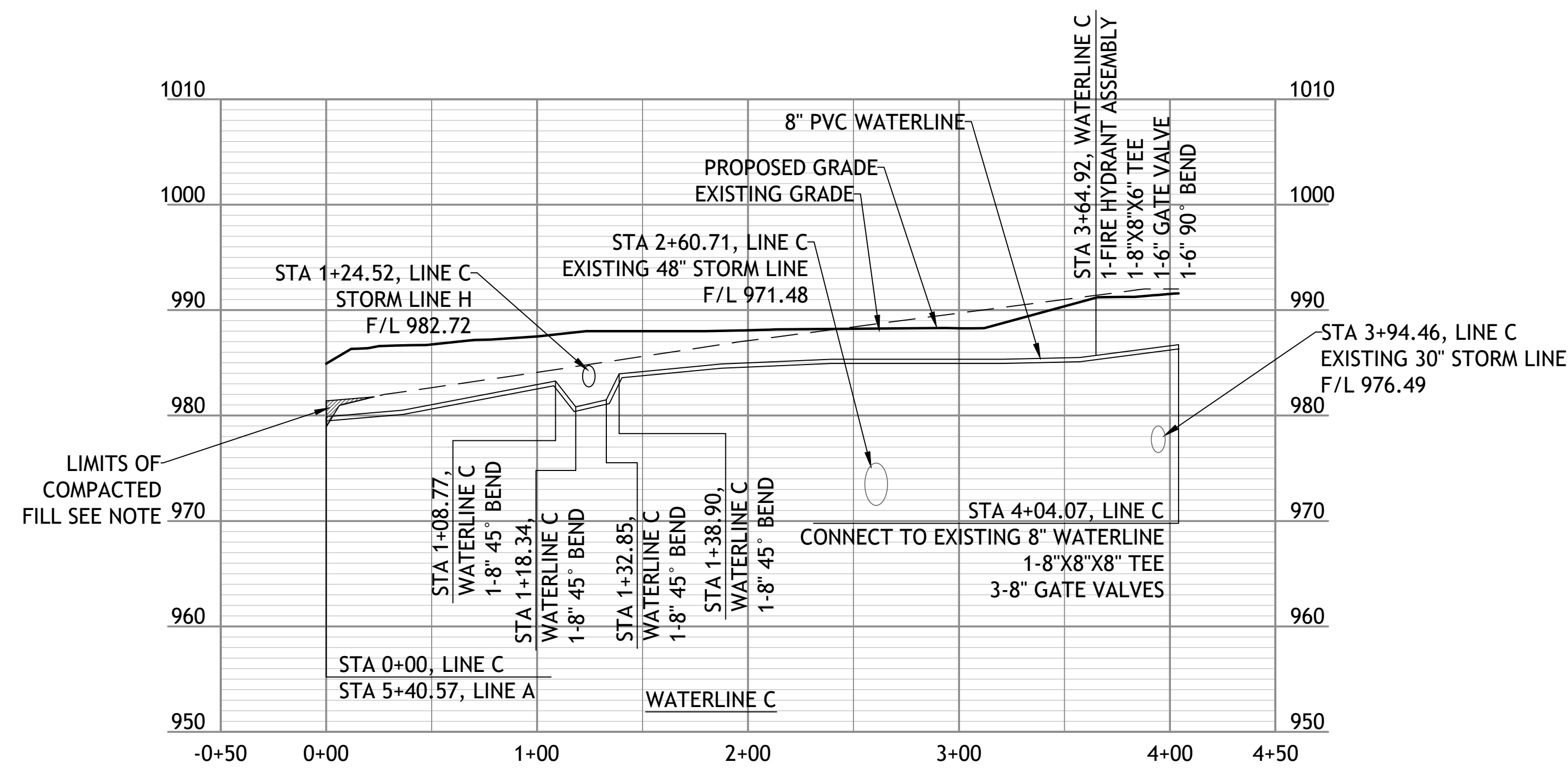
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Shrub List

Symbol	Quantity	Common Name	Botanical Name	Size	Condition	Spacing
	160	Seagreen Juniper	Juniperus Chinensis 'Seagreen'	18"-24"sp.	Cont.	4'o.c.
	155	Dwarf Winged Euonymus	Euonymus Alatus 'Compactus'	18"-24"sp.	Cont.	4'o.c.
	114	Morning Light Maiden Grass	Miscanthos Sinensis 'Morning Light'	18"-24"sp.	Cont.	4'o.c.

Tree List

Symbol	Quantity	Common Name	Botanical Name	Size	Condition	Spacing
	52	October Glory Maple	Acer Rubrum 'October Glory'	3" cal	BB	As Shown
	52	Skyline Honeylocust	Gleditsia Triacanthos 'Skyline'	3" cal	BB	As Shown
	12	Golden Raintree	Koelreuteria Paniculata	3"cal	BB	As Shown
	19	Golden Raintree	Koelreuteria Paniculata	3"cal	BB	As Shown

LOT 7A SITE DATA:

LOWENSTEIN 658'
REQUIRED:
STREET TREES 1/30' = 22
PARKING LOT SHRUBS 12/40' = 197

PROVIDED:
SHADE TREES = 22
SHRUBS = 200

PRIVATE DR EAST 1,032'
REQUIRED:
STREET TREES 1/30' = 34
SHRUBS 2/20' = 52

PROVIDED:
SHADE TREES = 34
SHRUBS = 55

BLACK TWIG CIRCLE 571'
REQUIRED:
STREET TREES 1/30' = 19
SHRUBS 2/20' = 29

PROVIDED:
SHADE TREES = 19
SHRUBS = 30

INTERIOR PARKING
TOTAL PARKING SURFACE = 173,111 sf
REQUIRED
5% LANDSCAPE AREA = 8,655 sf
PROVIDED = 9,832 sf

LOT 7A SITE DATA:

OPEN SPACE TREES
TOTAL SITE 9.34ac (406,422sf)
BUILDING AREA 83,700sf
OPEN SPACE 322,722sf

REQUIRED
1 / 5,000sf = 65

PROVIDED
SHADE TREES = 35
ORNAMENTALS = 31

OPEN SPACE SHRUBS
REQUIRED
2 / 5,000sf = 130
PROVIDED = 130

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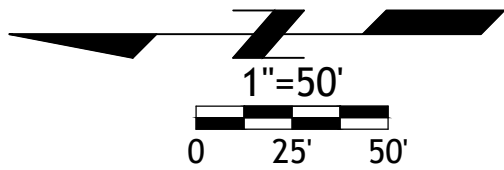
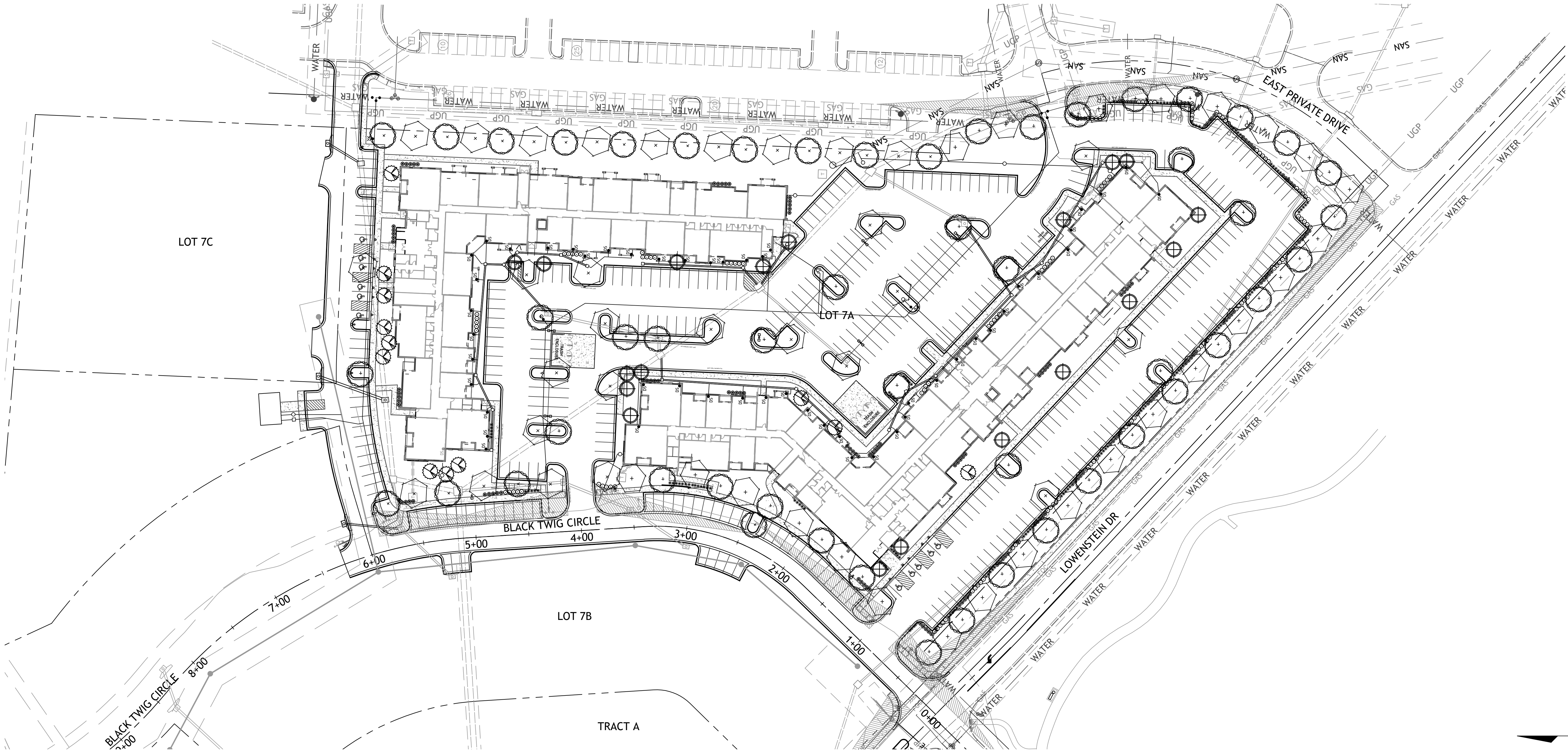
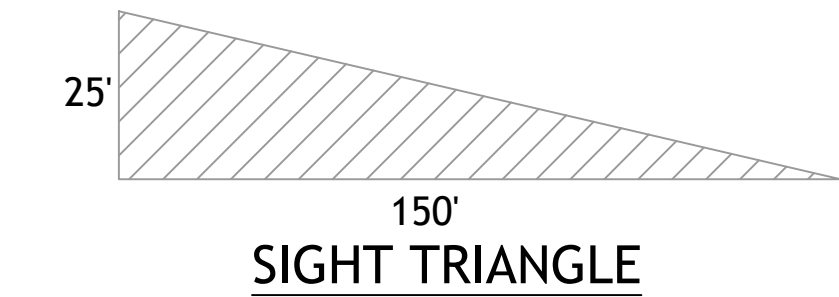


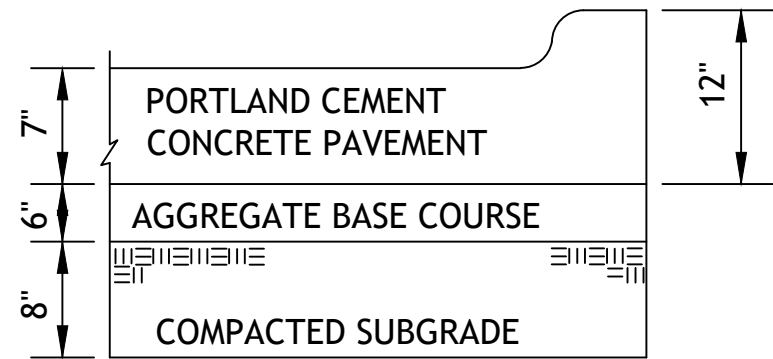
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6-22-21 CITY COMMENTS

STREETS OF W. PRYOR

LOT 7A

LEES SUMMITT, MO.



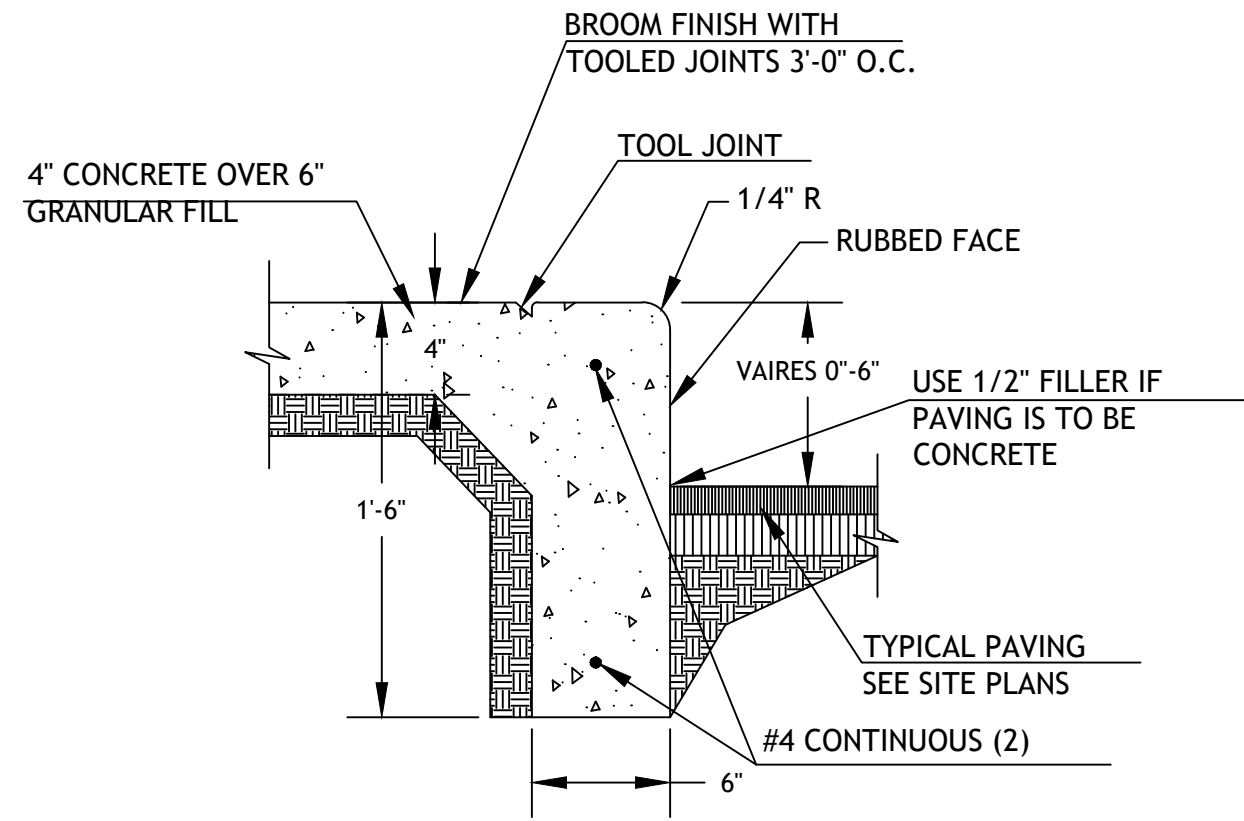


HEAVY DUTY CONCRETE PV3

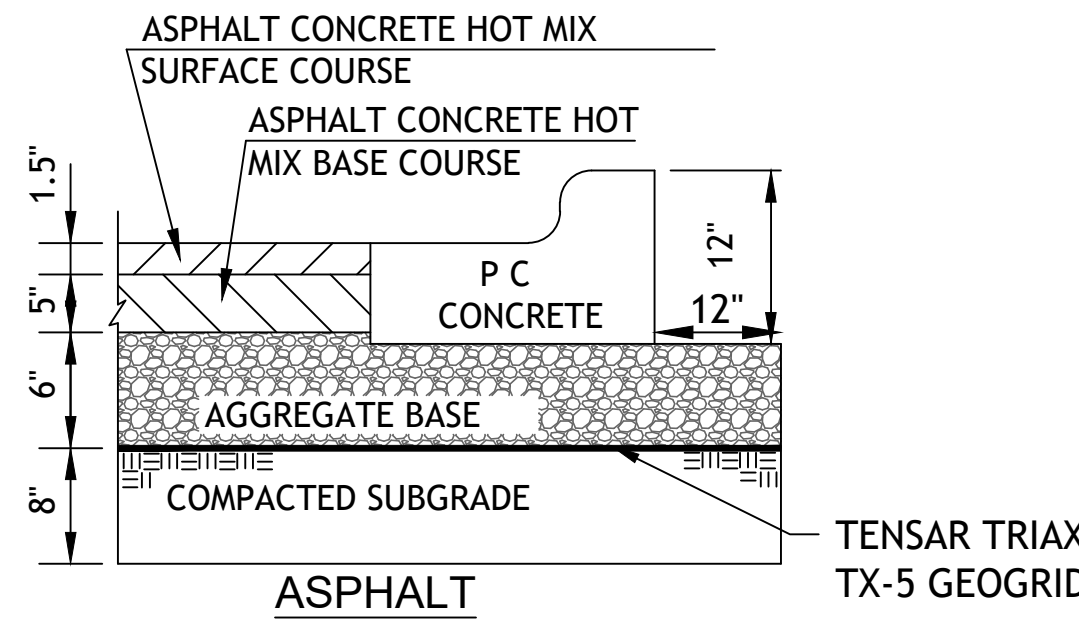
1. FLEXIBLE PAVEMENT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MISSOURI DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS.

ASPHALT SURFACE COURSE - APWA TYPE 3-01
ASPHALT BASE COURSE - APWA TYPE 2-01
AGGREGATE BASE MODOT TYPE 5 OR EQUIVALENT

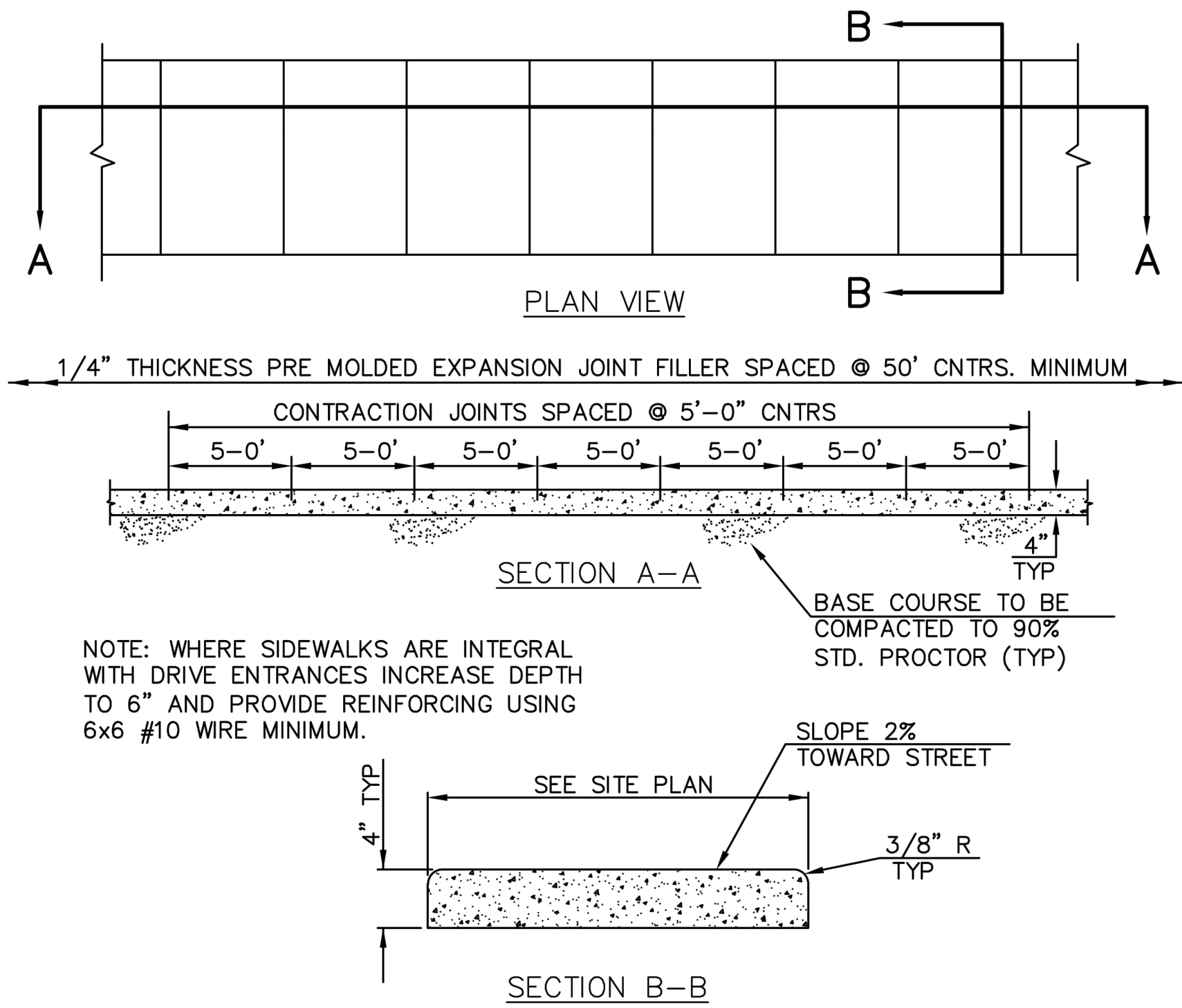
2. PORTLAND CEMENT CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS WITH 6% ENTRAINED AIR $\pm 2\%$ AND SHALL MEET OR EXCEED THE SPECIFICATIONS SET FORTH IN THE LATEST EDITION OF THE MISSOURI DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS.



CURB WALK/CURB (AT BUILDING) CW1

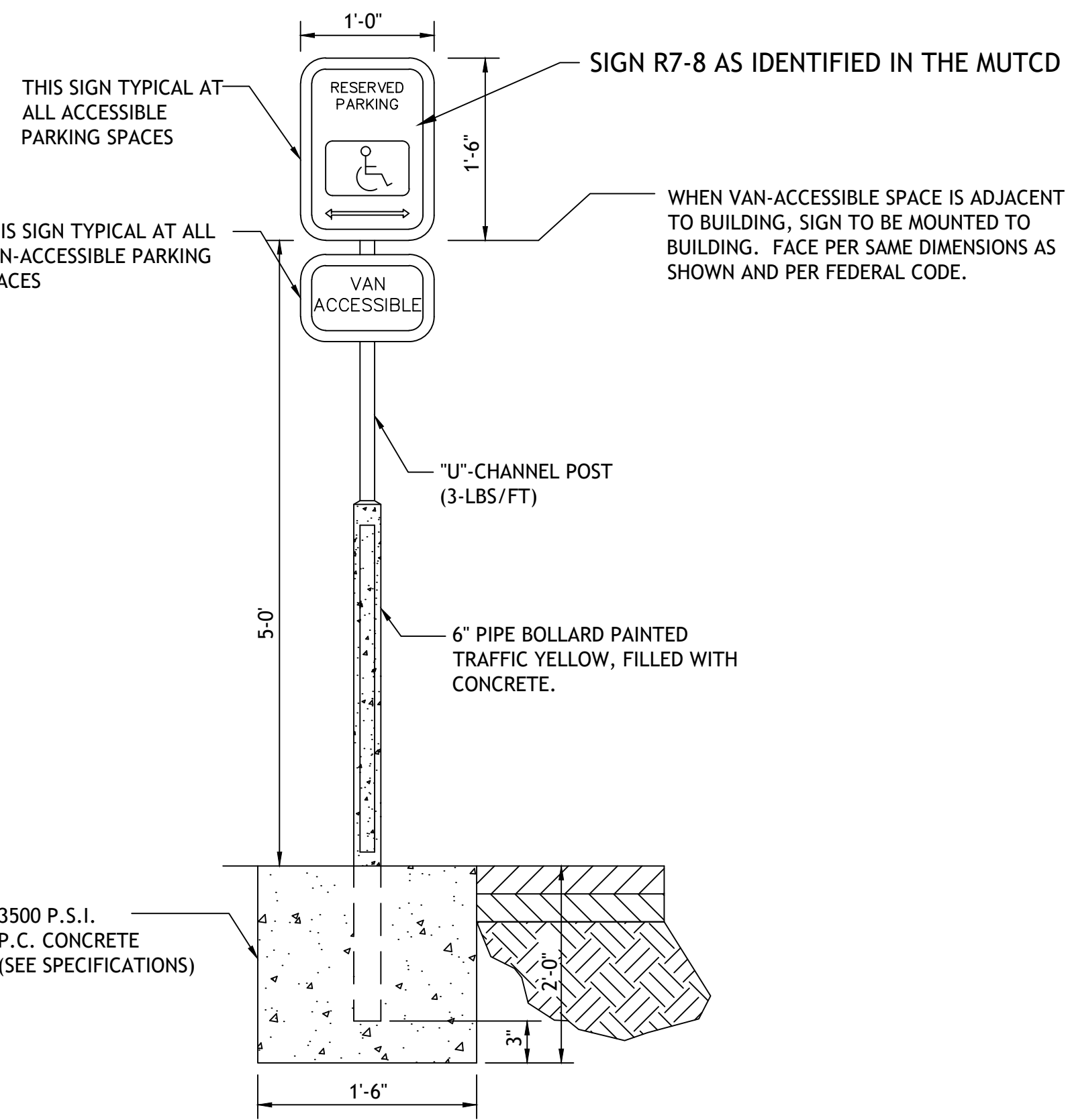
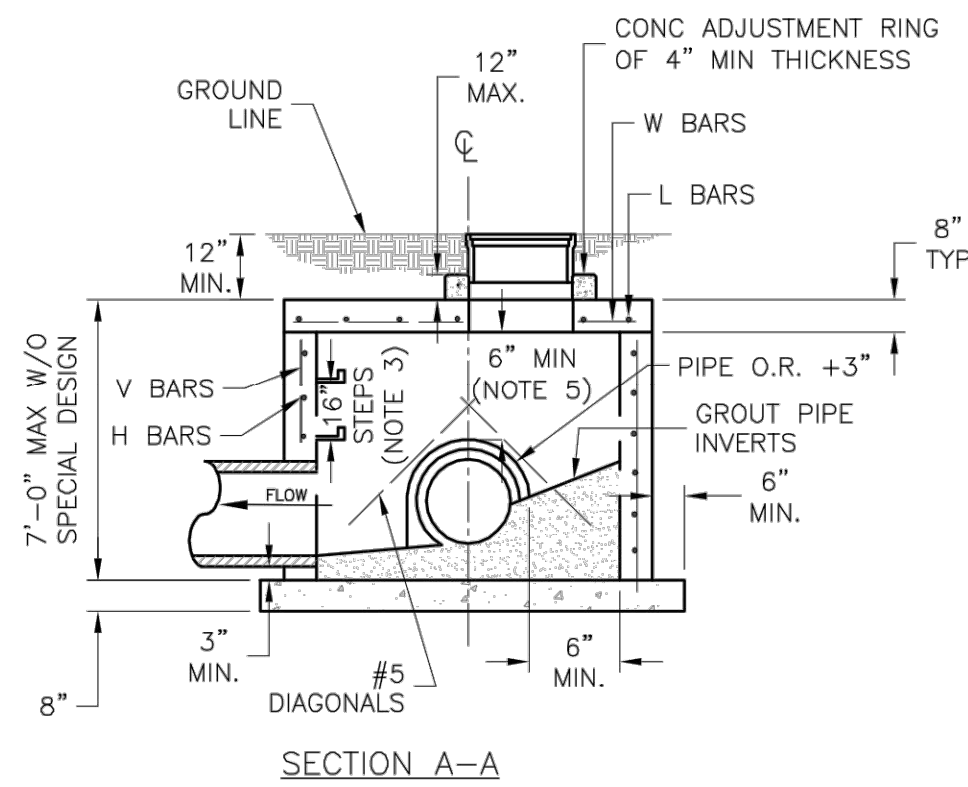
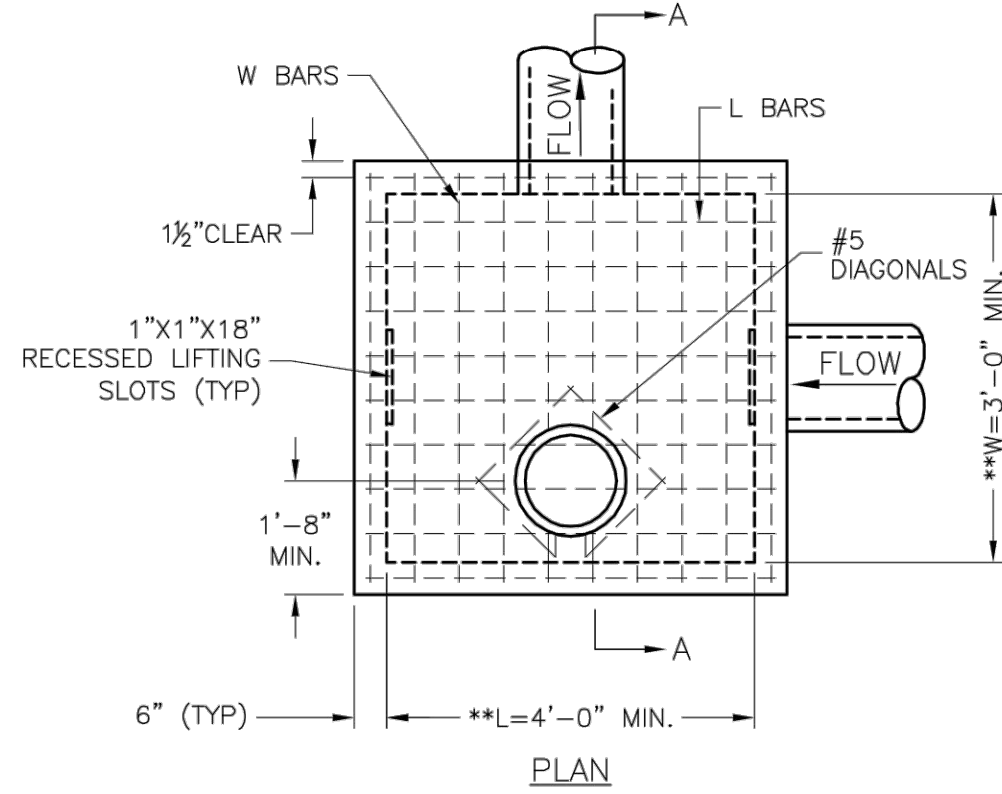


HEAVY DUTY ASPHALT PAVING PV2



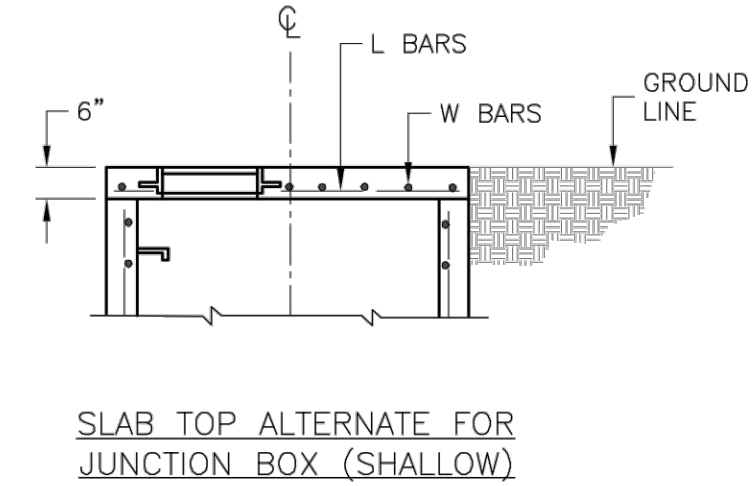
CONCRETE SIDEWALK CW2

NOTE: CONCRETE SHALL BE CLASS A WITH $f'_c = 3000$ PSI.



ACCESSIBLE PARKING SIGN PK2

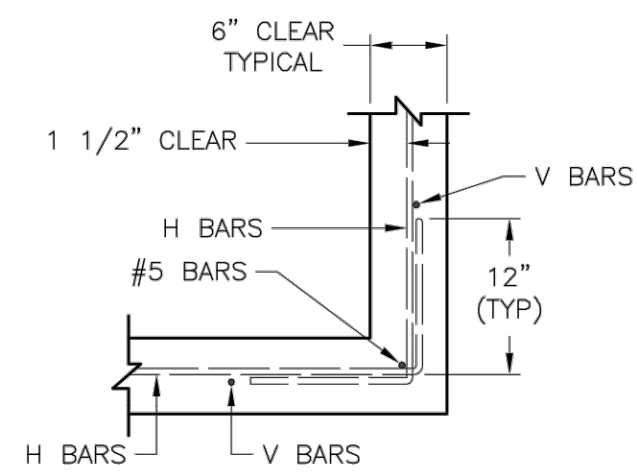
NOTE:
FOR ALL JUNCTION BOXES EXCEEDING 7'-0" IN DEPTH,
THE PRECAST BOX MANUFACTURER SHALL PROVIDE AN
ENGINEERED DESIGN.



** INCREASE IN MULTIPLES OF 6"
(7'-0") MAX WITHOUT SPECIAL DESIGN.
(SEE PROJECT PLANS FOR DETAILS)

REINFORCING

BARS	BAR SIZE	SPACING (IN.)
H	4	12
V	4	12
L	5	6
W	5	6



WALL CORNER DETAIL

GENERAL NOTES:

1. LOCATE RING AND COVER ON BLANK WALL.
2. USE $\frac{3}{8}$ " CHAMFER STRIP OR $\frac{1}{2}$ " R EDGER TOOL ON ALL EXPOSED CONCRETE CORNERS.
3. STEPS REQUIRED AT 16" O.C. WHEN DEPTH FROM TOP OF CASTING TO INVERT EXCEEDS 4' ON BLANK WALL IF POSSIBLE.
4. BOXOUTS WILL NOT BE ALLOWED TO PROJECT THROUGH THE CORNERS OF THE STRUCTURE AND THE MINIMUM DISTANCE BETWEEN BOXOUTS IS 6".
5. THE MINIMUM REINFORCING SHALL BE 1 H-BAR OVER A CAST-IN-PLACE PIPE AND 2 H-BARS OVER A PRECAST BOXOUT.
6. PRECAST LIDS SHALL BE PINNED, SEALED WITH NON-SHRINKABLE GROUT AND REMOVABLE FOR FUTURE MAINTENANCE.
7. REINFORCING OF COVERS IN STREETS REQUIRE SPECIAL DESIGN.
8. FOR RING AND COVER SEE THE STORMWATER APPROVED PRODUCT LIST.

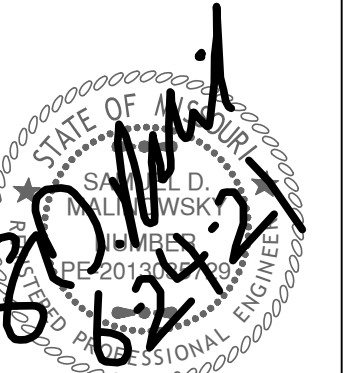
LEE'S SUMMIT
MISSOURI

STANDARD DETAILS
CITY OF LEE'S SUMMIT, MO
LEE'S SUMMIT, JACKSON COUNTY, MO
JUNCTION BOX DETAIL

STM-3

SM Engineering
5507 High Meadow Circle
Manhattan Kansas, 66503
smcivilengr@gmail.com
785.341.9747

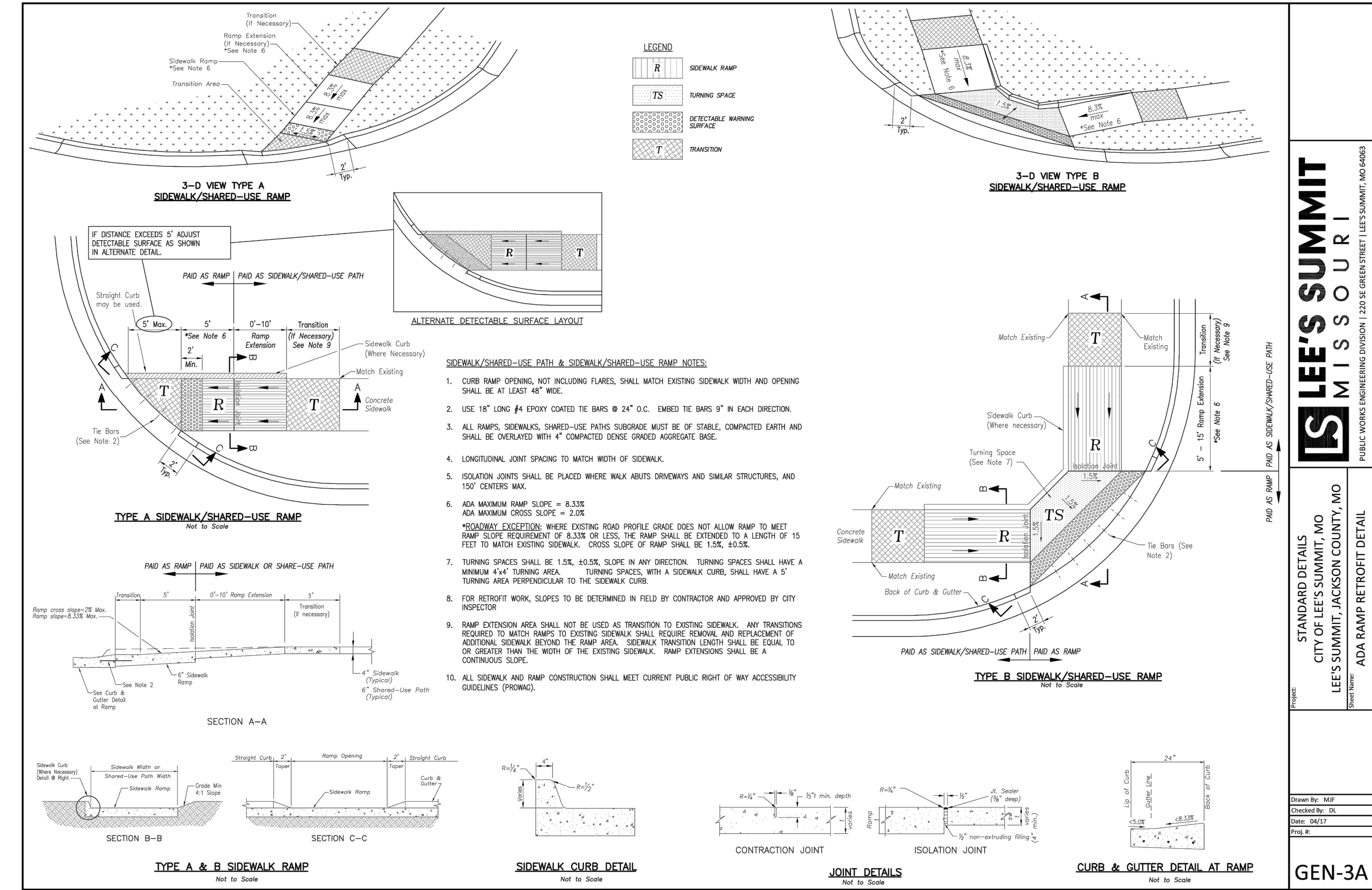
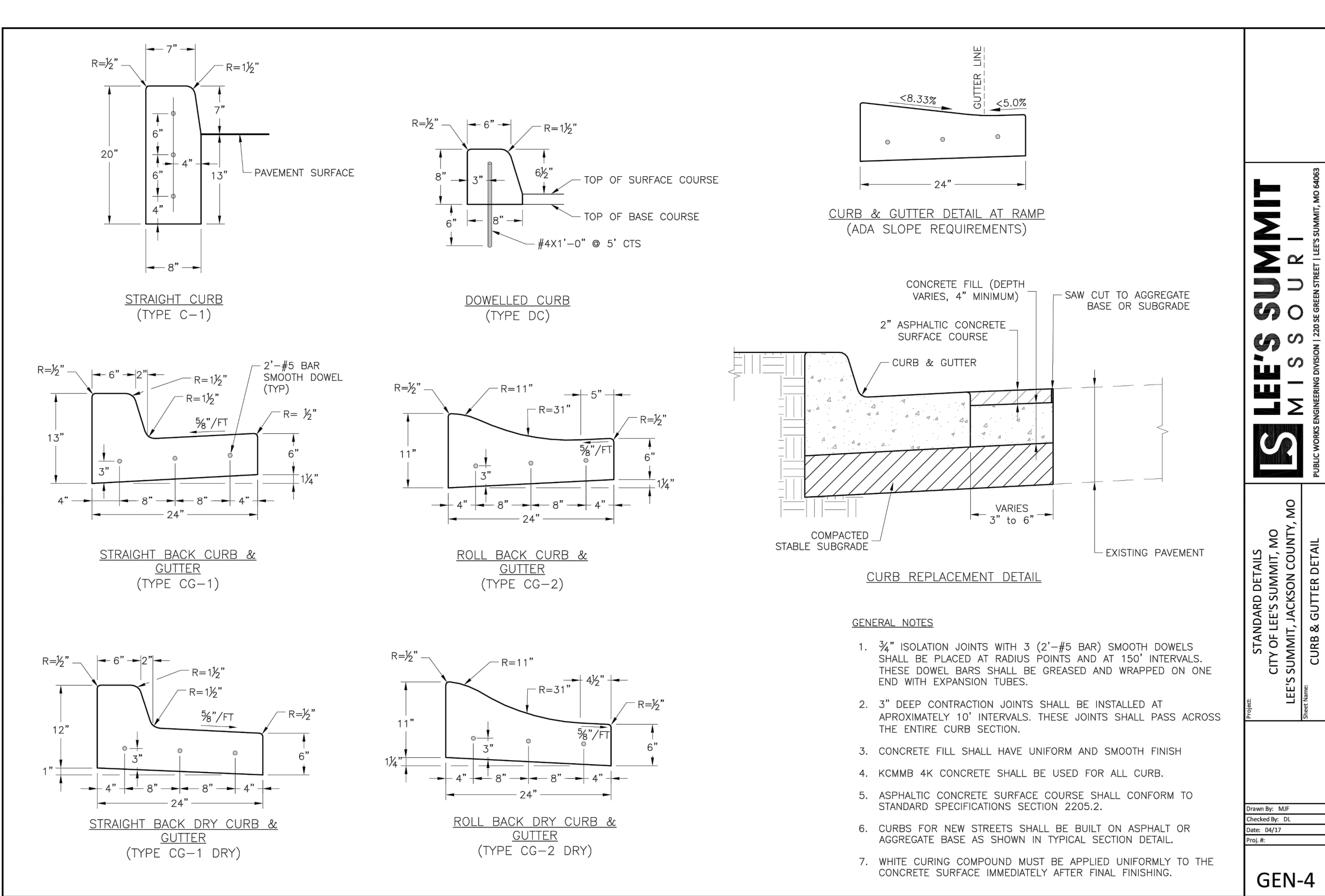
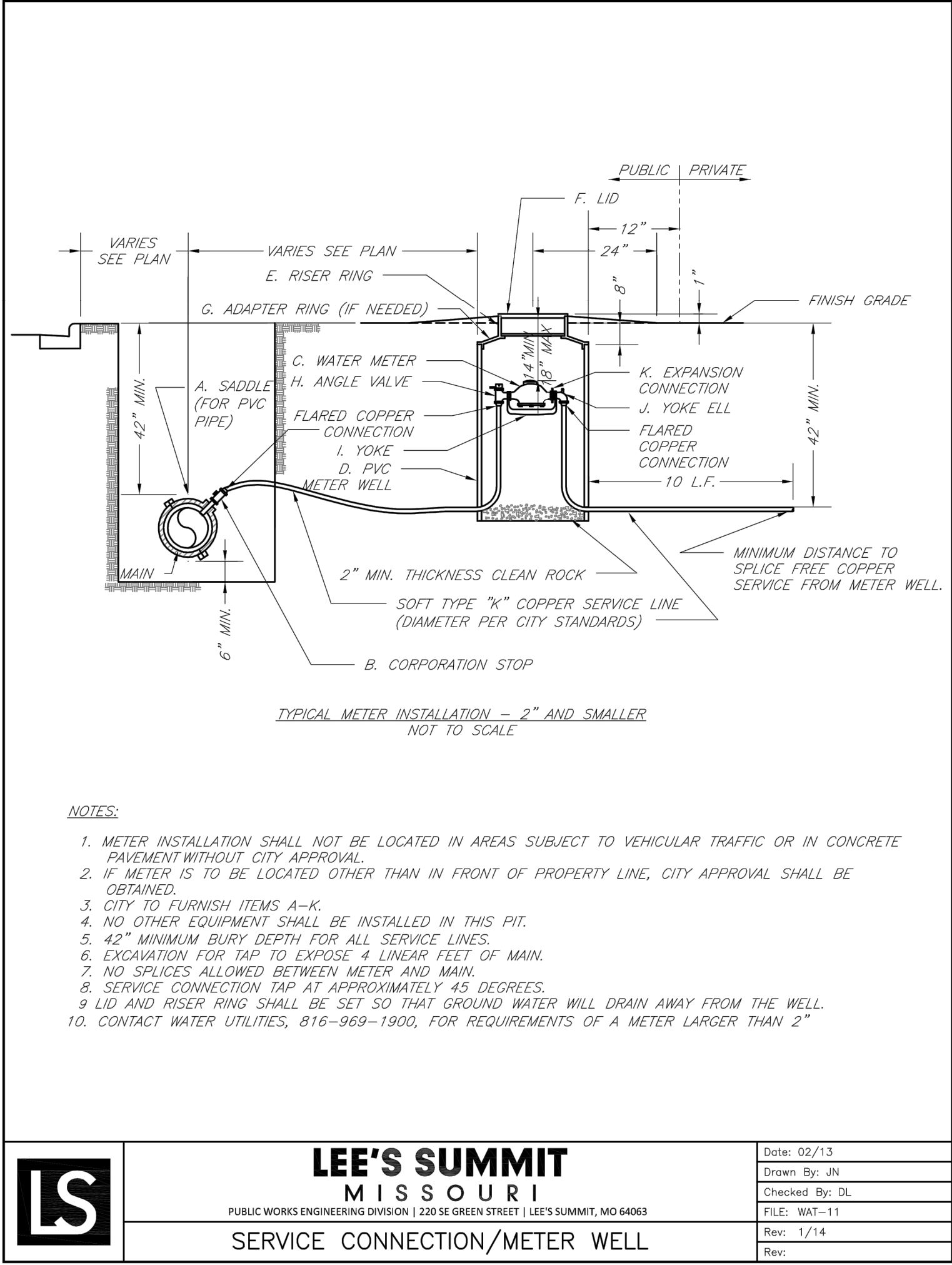
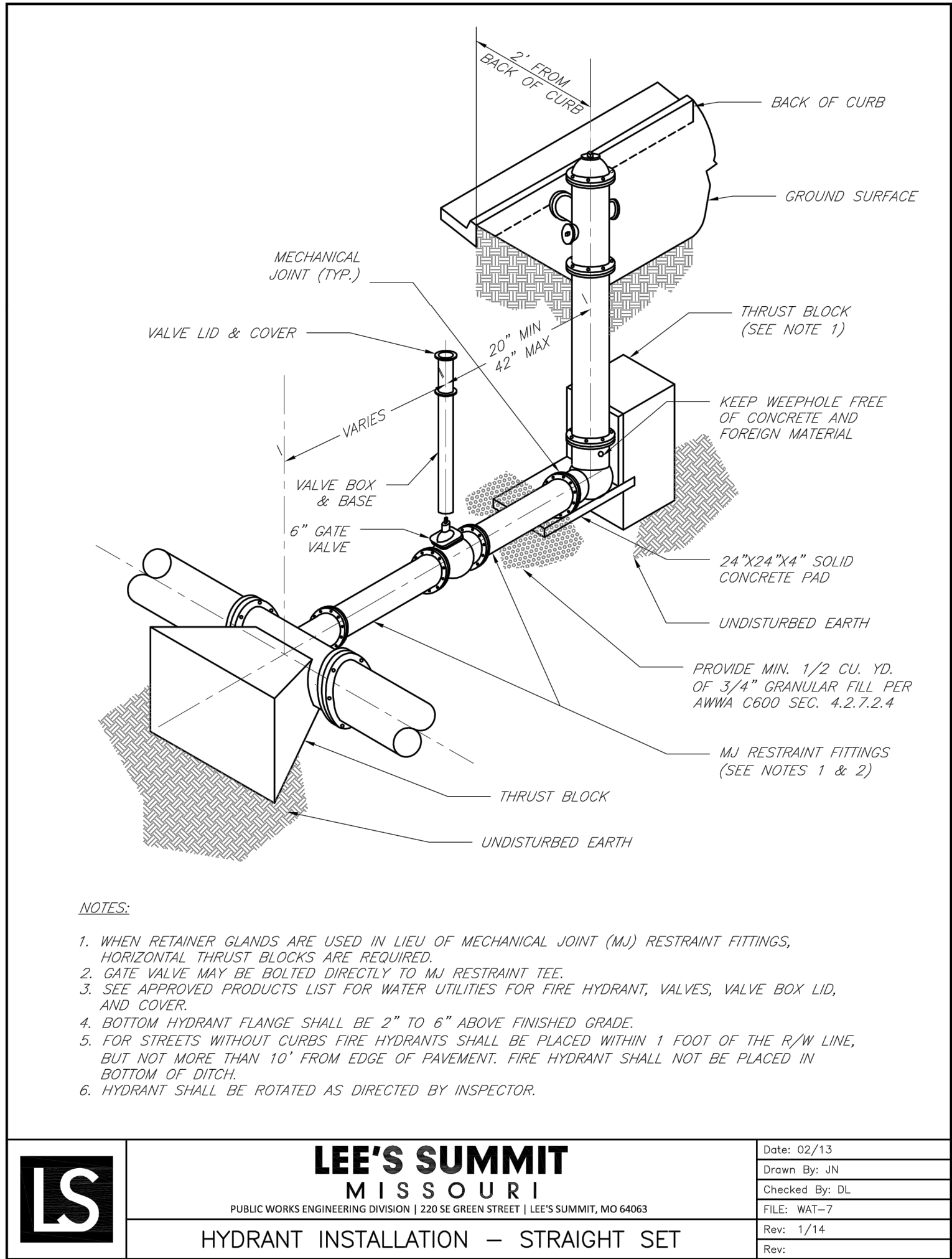
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Revisions
6-4-21 CITY COMMENTS
6-22-21 CITY COMMENTS

STREETS OF W. PRYOR
LOT 7A
LEE'S SUMMIT, MO.

sheet
C26.0
Civil
DETAILS
permit
5 MAY 2021



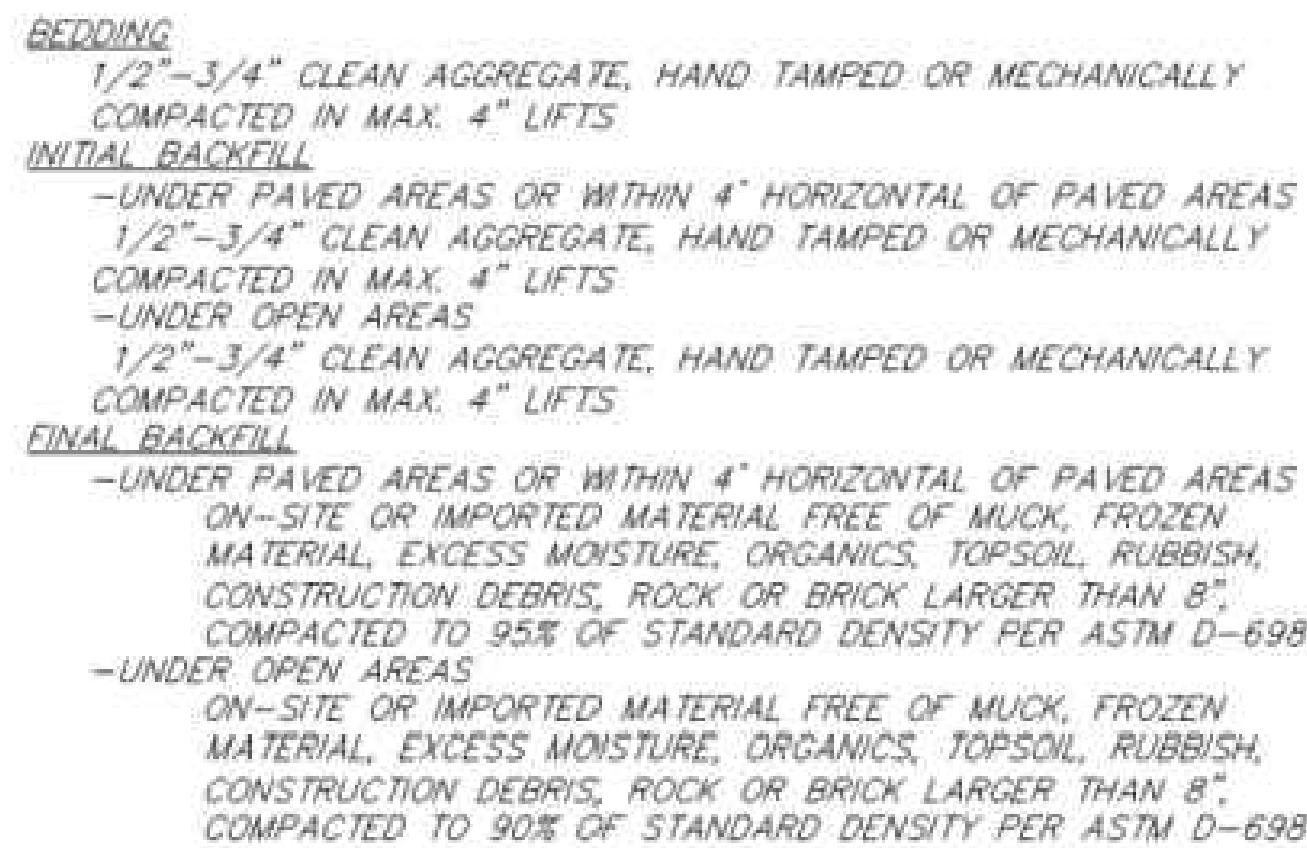
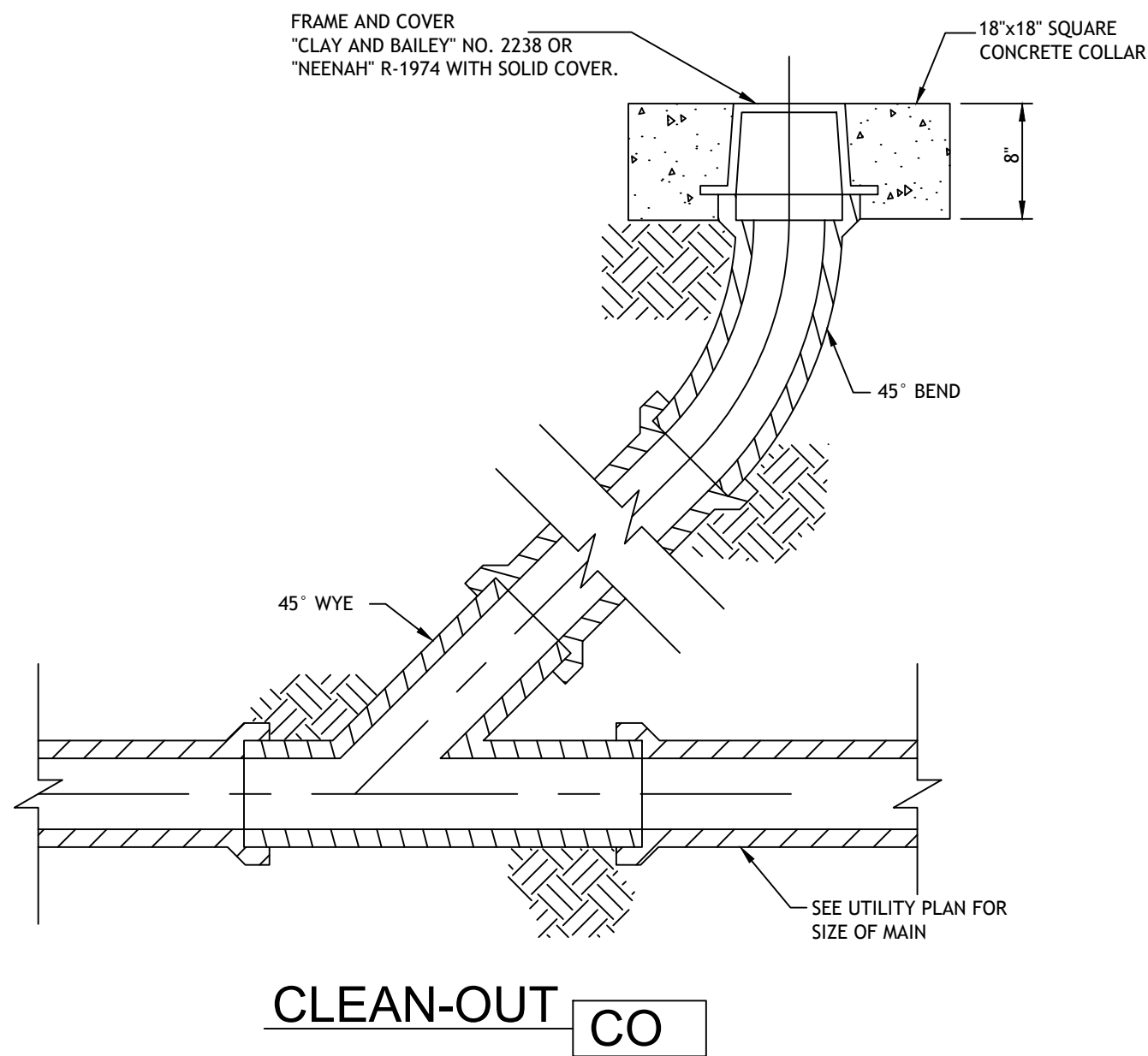
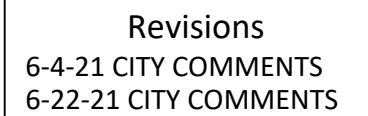
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File: ..\..\..\..\DESIGN\Sam Malinowsky\Streets Of Pryor Lot 7\Outside Files\Trash Enclosure.pdf
Sheet: 1

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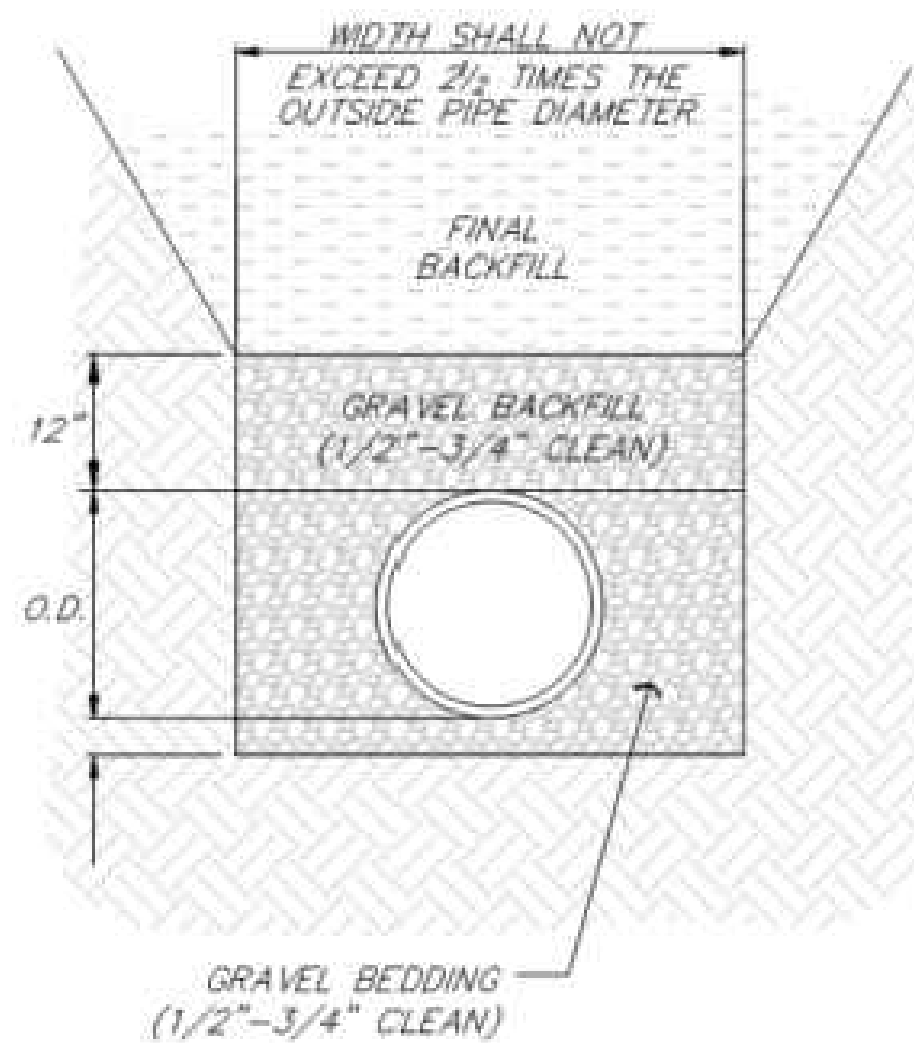


Revisions
6-4-21 CITY COMMENTS
6-22-21 CITY COMMENTS

STREETS OF W. PRYOR
LOT 7A
LEE'S SUMMIT, MO.



BEDDING DEPTH BELOW PIPE		
PIPE DIAMETER	IN SOIL	IN ROCK
24" AND LESS	4"	6"
27" THRU 60"	4"	9"



PIPE BEDDING DETAIL
NOT TO SCALE

STM-1

STREETS OF W. PRYOR
LOT 7A
LEES SUMMITT, MO.