

PROSPECT FARMS SUBDIVISION

PROSPECT FARMS PHASE VII JONESBORO, CRAIGHEAD COUNTY, ARKANSAS

LOCAL CONTACTS

CITY OF JONESBORO ENGINEERING DEPT.	870-932-2438
CITY OF JONESBORO PLANNING AND ZONING	870-932-0406
CITY, WATER, & LIGHT	870-935-5581
AT&T	1-800-464-7928
RITTER COMMUNICATIONS	870-336-3400
SUDDENLINK COMMUNICATIONS	870-935-3615
CENTER POINT ENERGY	870-972-6682



VICINITY MAP
(NOT TO SCALE)



NAD83 Arkansas State Planes, North Zone, US Foot

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PROSPECT FARMS PHASE VII

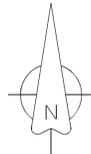
COVER PAGE



REVISIONS		
DATE	BY	DESCRIPTION

DRAWING INFO.	
DRAWN BY:	GMD
DATE:	2/1/2021
SCALE:	1"=??'

SHEET NUMBER:
C-1



WILDWOOD ADDITION
PHASE 3B & 3C
PLAT "C" AT PAGE 255

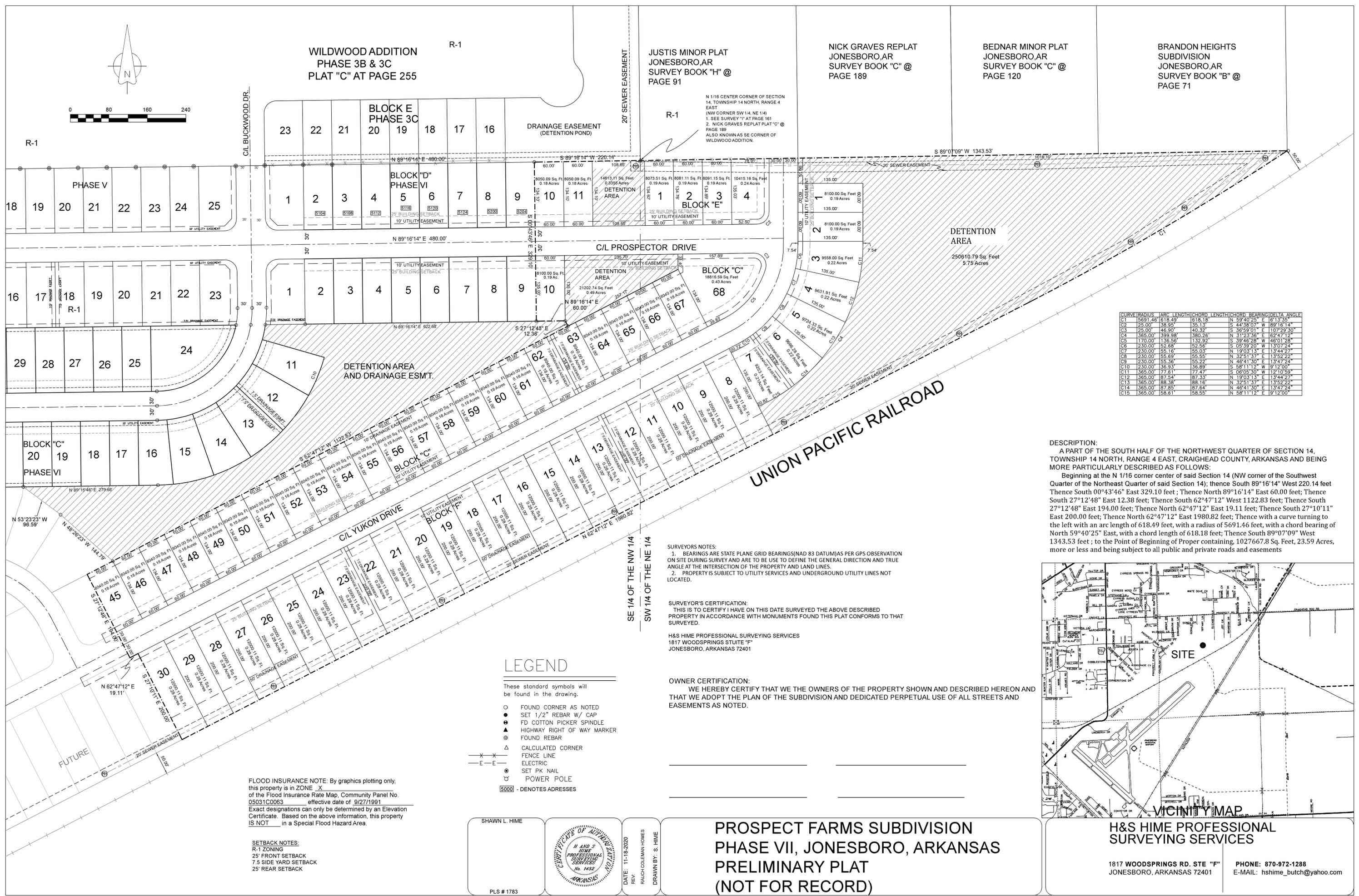
R-1

JUSTIS MINOR PLAT
JONESBORO, AR
SURVEY BOOK "H" @
PAGE 91

NICK GRAVES REPLAT
JONESBORO, AR
SURVEY BOOK "C" @
PAGE 189

BEDNAR MINOR PLAT
JONESBORO, AR
SURVEY BOOK "C" @
PAGE 120

BRANDON HEIGHTS
SUBDIVISION
JONESBORO, AR
SURVEY BOOK "B" @
PAGE 71



CURVE	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD BEARING	DELTA ANGLE
C1	5691.46	618.49	618.18	N 59°40'25" E	6°11'35"
C2	25.00	38.95	35.13	S 44°38'07" W	89°16'14"
C3	25.00	46.90	40.32	S 36°59'01" E	107°29'30"
C4	365.00	599.98	380.26	N 31°23'36" E	62°47'12"
C5	170.00	136.56	132.92	S 39°46'28" W	46°01'28"
C6	230.00	52.68	52.56	S 05°39'20" W	13°07'24"
C7	230.00	55.16	55.03	N 19°03'13" E	13°44'27"
C8	230.00	55.69	55.56	N 32°51'37" E	13°52'22"
C9	230.00	55.36	55.22	N 46°41'30" E	13°47'24"
C10	230.00	56.93	56.89	S 58°11'12" W	8°12'00"
C11	365.00	77.61	77.47	S 06°05'30" W	12°10'59"
C12	365.00	87.54	87.33	N 19°03'13" E	13°44'27"
C13	365.00	88.38	88.16	N 32°51'37" E	13°52'22"
C14	365.00	87.85	87.64	N 46°41'30" E	13°47'24"
C15	365.00	58.61	58.55	N 58°11'12" E	9°12'00"

DESCRIPTION:
A PART OF THE SOUTH HALF OF THE NORTHWEST QUARTER OF SECTION 14, TOWNSHIP 14 NORTH, RANGE 4 EAST, CRAIGHEAD COUNTY, ARKANSAS AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:
Beginning at the N 1/16 corner center of said Section 14 (NW corner of the Southwest Quarter of the Northeast Quarter of said Section 14); thence South 89°16'14" West 220.14 feet Thence South 00°43'46" East 329.10 feet; Thence North 89°16'14" East 60.00 feet; Thence South 27°12'48" East 12.38 feet; Thence South 62°47'12" West 1122.83 feet; Thence South 27°12'48" East 194.00 feet; Thence North 62°47'12" East 19.11 feet; Thence South 27°10'11" East 200.00 feet; Thence North 62°47'12" East 1980.82 feet; Thence with a curve turning to the left with an arc length of 618.49 feet, with a radius of 5691.46 feet, with a chord bearing of North 59°40'25" East, with a chord length of 618.18 feet; Thence South 89°07'09" West 1343.53 feet; to the Point of Beginning of Proper containing, 1027667.8 Sq. Feet, 23.59 Acres, more or less and being subject to all public and private roads and easements

SURVEYORS NOTES:
1. BEARINGS ARE STATE PLANE GRID BEARINGS (NAD 83 DATUM) AS PER GPS OBSERVATION ON SITE DURING SURVEY AND ARE TO BE USED TO DEFINE THE GENERAL DIRECTION AND TRUE ANGLE AT THE INTERSECTION OF THE PROPERTY AND LAND LINES.
2. PROPERTY IS SUBJECT TO UTILITY SERVICES AND UNDERGROUND UTILITY LINES NOT LOCATED.

SURVEYOR'S CERTIFICATION:
THIS IS TO CERTIFY I HAVE ON THIS DATE SURVEYED THE ABOVE DESCRIBED PROPERTY IN ACCORDANCE WITH MONUMENTS FOUND THIS PLAT CONFORMS TO THAT SURVEYED.

H&S HIME PROFESSIONAL SURVEYING SERVICES
1817 WOODSPRINGS STUITE "F"
JONESBORO, ARKANSAS 72401

OWNER CERTIFICATION:
WE HEREBY CERTIFY THAT WE THE OWNERS OF THE PROPERTY SHOWN AND DESCRIBED HEREON AND THAT WE ADOPT THE PLAN OF THE SUBDIVISION AND DEDICATED PERPETUAL USE OF ALL STREETS AND EASEMENTS AS NOTED.

LEGEND

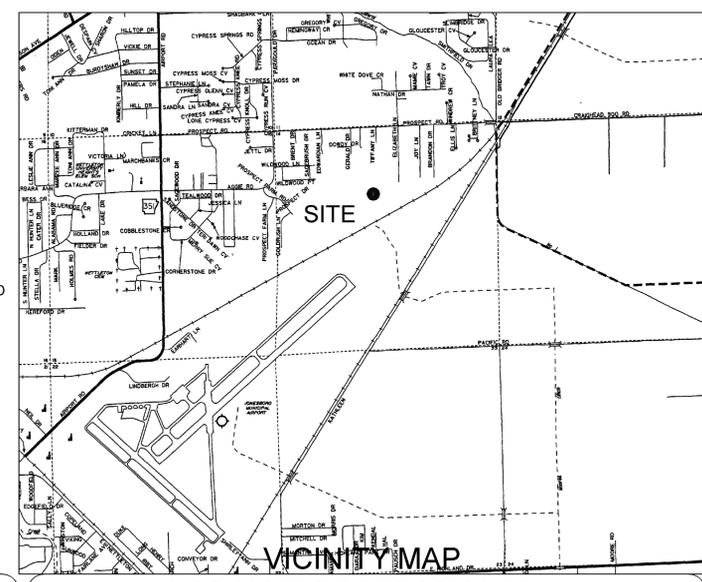
- These standard symbols will be found in the drawing.
- FOUND CORNER AS NOTED
 - SET 1/2" REBAR W/ CAP
 - FD COTTON PICKER SPINDLE
 - ▲ HIGHWAY RIGHT OF WAY MARKER
 - FOUND REBAR
 - △ CALCULATED CORNER
 - FENCE LINE
 - ELECTRIC
 - SET PK NAIL
 - POWER POLE
 - 5000 - DENOTES ADDRESSES

FLOOD INSURANCE NOTE: By graphics plotting only, this property is in ZONE X of the Flood Insurance Rate Map, Community Panel No. 05031C0063 effective date of 9/27/1991. Exact designations can only be determined by an Elevation Certificate. Based on the above information, this property IS NOT in a Special Flood Hazard Area.

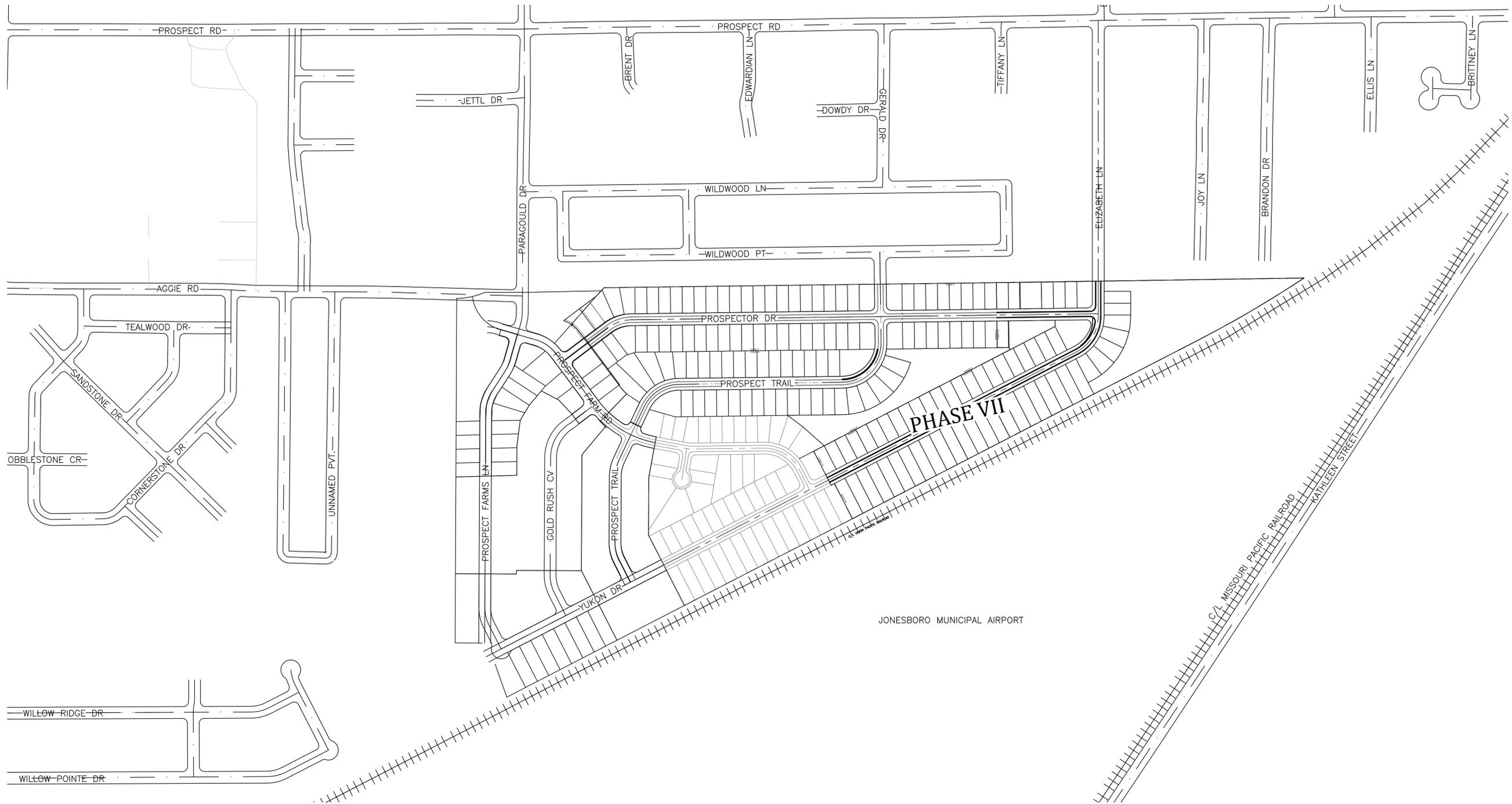
SETBACK NOTES:
R-1 ZONING
25' FRONT SETBACK
7.5' SIDE YARD SETBACK
25' REAR SETBACK

SHAWN L. HIME
DATE: 11-18-2020
REV: RAUCH-COLEMAN HOMES
DRAWN BY: S. HIME
PLS # 1783

PROSPECT FARMS SUBDIVISION
PHASE VII, JONESBORO, ARKANSAS
PRELIMINARY PLAT
(NOT FOR RECORD)



VICINITY MAP
H&S HIME PROFESSIONAL SURVEYING SERVICES
1817 WOODSPRINGS RD. STE "F"
JONESBORO, ARKANSAS 72401
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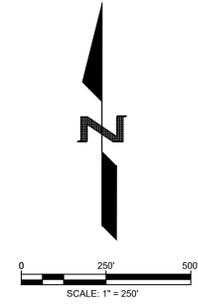
**PROSPECT FARMS PHASE VII
 KEY MAP**



REVISIONS		
DATE	BY	DESCRIPTION

DRAWING INFO.	
DRAWN BY:	GMD
DATE:	2/1/2021
SCALE:	1"=250'

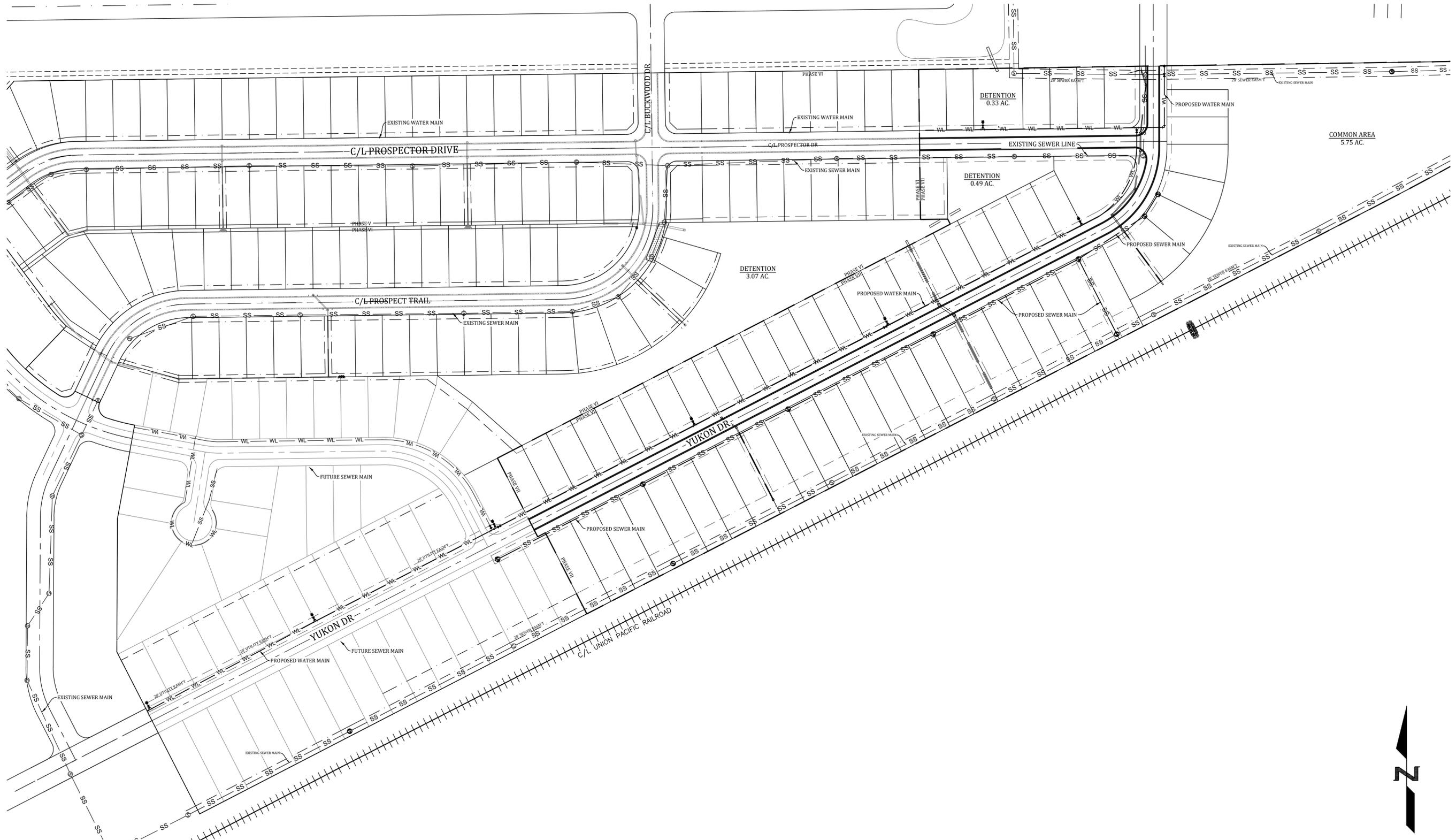
SHEET NUMBER:
OV-1



LEGEND

	CURB		STORM DRAIN INLET
	SIDEWALK		STORM DRAIN PIPE
	CORRIDOR CROSS SECTION LINE		SANITARY SEWER
	WATER LINE		SEWER MANHOLE
	WATER METER		SEWER WYE
	FIRE HYDRANT		SEWER STUB-OUT
	BLOW-OFF ASSEMBLY		EX. SEWER WYE
	GATE VALVE		EX. SEWER STUB-OUT

NOTE: SYMBOLS REPRESENTED IN LEGEND MAY NOT ALL BE INCLUDED ON THIS SHEET



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PROSPECT FARMS PHASE VII
OVERALL UTILITY



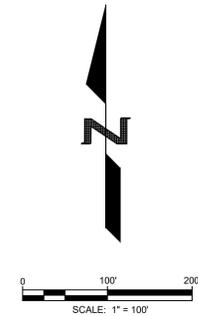
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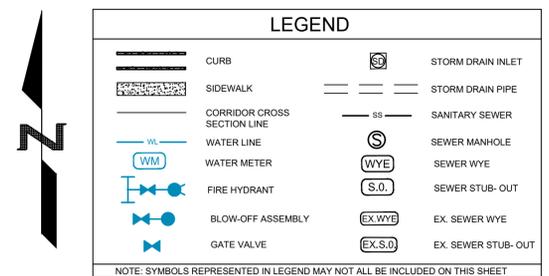
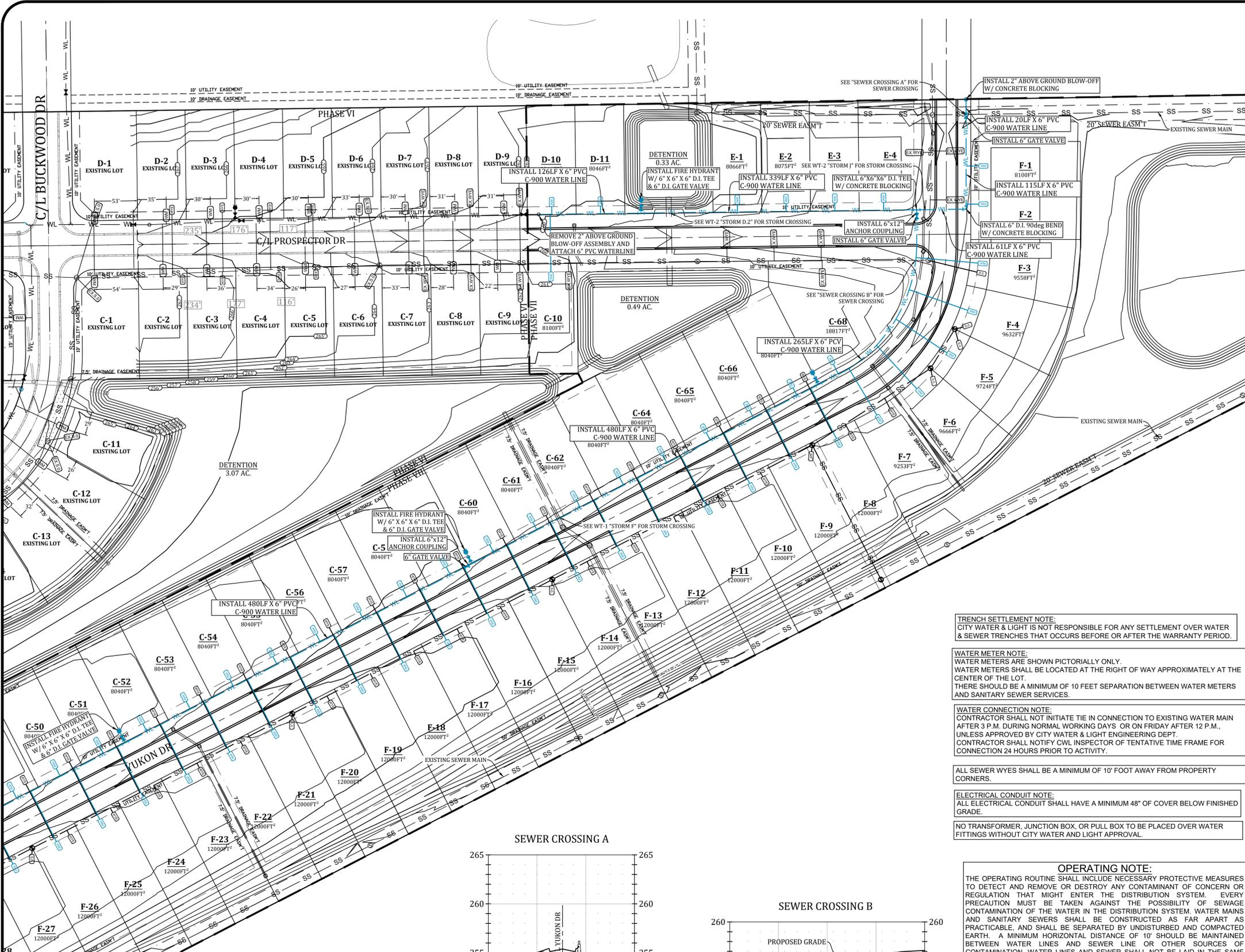
DATE	BY	DESCRIPTION

DRAWING INFO.

DRAWN BY:	GMD
DATE:	2/1/2021
SCALE:	1"=100'

SHEET NUMBER:
OV-2





TOTAL WATERLINE QUANTITIES:
 3242 LF - 6" C-900 PVC WATERLINE
 32 - 3/4" SHORT SERVICES
 29 - 3/4" LONG SERVICES

PRESSURES:
 STATIC PRESSURE = 87 PSI
 RESIDUAL PRESSURE = 77 PSI

WATER AND ELECTRIC NOTES:

- CONTRACTOR SHALL PROVIDE NECESSARY ELECTRICAL CONDUIT & PERMANENT MARKERS W/ GRAY PVC SCH 40 (2") & PVC SCH 40 (4") & 30" RAD ELBOWS FOR RISERS AND A STRING & MOUSE BLOW IN THE CONDUIT. CONTRACTOR SHALL OBTAIN AN ELECTRICAL PLAN FROM CIVL AND INSTALL THE ELECTRICAL CONDUIT AS SPECIFIED BY CIVL (CONTRACTOR SHALL OBTAIN CIVL SPECIFICATIONS).
- CONTRACTOR SHALL PROVIDE 3/4" METER STOP, TAP, SERVICE LINE & METER BOX AS REQUIRED BY CIVL & INSTALL AS REQUIRED BY CIVL.
- CONTRACTOR SHALL PROVIDE ENGINEER W/ "AS-BUILT" DIMENSIONS FOR WYES, VALVES, TEES, BENDS, FIRE HYDRANTS & WATER METERS.
- CONTRACTOR SHALL PROVIDE LABOR AND MATERIALS FOR ALL SEWER, WATER, & ELECTRICAL LINE LATERALS & PROVIDE LABOR & MATERIAL TO BACKFILL ALL SEWER, WATER & ELECTRICAL STREET CUTS WITH SANDY MATERIAL (P.I. <15) TO TOP OF EXCAVATION & PROVIDE COMPACTION & PROVIDE COMPACTION TESTS AT 2' INTERVALS. CONTRACTOR SHALL PROVIDE LABOR AND MATERIAL FOR ALL SEWER & WATER LINE MAINS THAT CROSS A STREET AND BACKFILL THEM WITH SANDY (P.I. <15) TO TOP OF EXCAVATION & COMPACT FILL TO 95% COMPACTION & PROVIDE MATERIAL COMPACTION TESTS AT 2' INTERVALS.
- A 12 GA SOLID TRACER WIRE SHALL BE INSTALLED WITH WATER LINE MAIN WHERE THERE SHALL BE A PERMANENT WATER LINE MAIN. THE END AND 75' INTERVALS IN BETWEEN WHERE THE TRACER WIRE IS INSTALLED. THE TRACER WIRE SHALL BE INSTALLED ABOVE THE WATER LINE AND CONNECTED TO THE PERMANENT MARKERS IN A MANNER THAT WILL INSURE A CONTINUOUS CONNECTION OF THE TRACER LINE. CONTRACTOR SHALL CALL ARK ONE CALL FOR LOCATES PRIOR TO CONSTRUCTION.
- CIVL SHALL PROVIDE FIRE HYDRANT, 6" D.I. GATE VALVE, VALVE BOX W/ LID, AND 6" BY LINE SIZE D.I. TRACER. CONTRACTOR SHALL PROVIDE LABOR FOR INSTALLATION AND CONCRETE BLOCKING. (SEE DETAIL SHEET)
- CONTRACTOR SHALL NOTIFY ENGINEER TO DETERMINE ELEVATIONS FOR MANHOLE TOPS, WATERLINE ELEVATION WHERE IT CROSSES PROPOSED STORM DRAINS, WATER METER BOX ELEVATIONS, VALVE BOX ELEVATIONS, AND FIRE HYDRANT ELEVATIONS. WATER LINE VALVES WITHIN 50 FEET OF THE STORM DRAIN INSTALLATION SHALL BE INSTALLED AT AN ELEVATION WHERE HYDRANTS ARE LOCATED TO ENSURE HYDRANT WILL BE AT PROPER HEIGHT WHEN FINISHED GRADE HAS BEEN OBTAINED.
- CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH PLANS TO INSURE THE WATER LINE DEPTH OF INSTALLATION IS BELOW THE PROPOSED STORM DRAIN ELEVATION. CONTRACTOR WILL BE REQUIRED TO COME BACK AND LOWER WATER LINE (AT THE CONTRACTOR'S EXPENSE) IF INTERFERES WITH THE STORM DRAIN INSTALLATION.
- IF CONTRACTOR CAN NOT INSURE WATER LINE INSTALLATION TO BE BELOW STORM DRAIN, THEN THE CONTRACTOR SHALL POSTPONE WATER LINE INSTALLATION UNTIL STORM DRAIN HAS BEEN INSTALLED.
- CONTRACTOR SHALL PROVIDE OWNER WITH ONE YEAR WARRANTY FOR MATERIALS AND WORKMANSHIP.
- CONTRACTOR SHALL PROVIDE ENGINEER WITH LIEN RELEASES FOR MATERIALS AND LABOR, BACTERIAL SAMPLE RESULTS, AND MODEL YEAR OF WATER LINE VALVES WITHIN 30 DAYS OF COMPLETION OF WORK.
- CONTRACTOR SHALL DRESS UP PROJECT AFTER INSTALLATION TO THE CONDITION IT AS PRIOR TO BEGINNING CONSTRUCTION. MOUND BACKFILL OVER TRENCHES 1' TO 2' TO ALLOW FOR SETTLING IN AREAS OUT OF THE STREET.
- CONTRACTOR SHALL REVIEW DETAIL SHEETS TO ENSURE PROPER INSTALLATION OF VALVES, FIRE HYDRANTS, CONCRETE BLOCKING, SERVICE LINES, MANHOLE INVERTS, AND DROP ASSEMBLIES.
- CONTRACTOR SHALL OBTAIN A CURRENT SET OF CIVL RECORDS AND REVISIONS TO THEM. CIVL SPECIFICATIONS ARE TO BE ADHERED TO AND MADE A PART OF THIS SET OF PLANS. CONTRACTOR SHALL USE CIVL SPECIFICATIONS TO INCLUDE ITEMS NOT SHOWN OR REFERRED TO IN THIS SET OF PLANS (18). ALL STREET EXCAVATION MATERIAL SHALL BE DISPOSED OF BY CONTRACTOR ON THE ADJACENT LOTS OR AS DIRECTED BY OWNER.
- CONTRACTOR SHALL PLACE 8 MIL POLYWRAP OVER DUCTILE IRON FITTINGS PRIOR TO PLACING CONCRETE OR TO PREVENT CONCRETE FROM ENCASING BOLTS & NUTS.
- ALL WATER LINES 42" DIAMETER SHALL BE AWWA C-900 PRESSURE CLASS 150 OR 18. ALL 2" AND 3" DIAMETER WATER LINES SHALL BE SDR 21 CLASS 200 (ASTM 2241). ALL SEWER LINES SHALL BE ASTM 2241 SDR-26.
- WATER LINE AND SANITARY SEWER LINE SHALL MAINTAIN 18" MINIMUM VERTICAL SEPARATION. WATER LINE AND STORM DRAIN SHALL MAINTAIN 36" MINIMUM HORIZONTAL SEPARATION TO PREVENT FREEZING. MAINTAIN 10' HORIZONTAL SEPARATION BETWEEN SEWER AND WATER LINE.
- CONSTRUCTION SHALL BEGIN ONLY AFTER APPROVED PLANS FROM THE ARKANSAS DEPARTMENT OF HEALTH ARE SUBMITTED TO CIVL AND ALL NECESSARY FEES ARE PAID IN FULL. CONSTRUCTION BY CONTRACTORS SHALL THEN BEGAIN ONLY AFTER THE RIGHT OF WAY HAS BEEN CLEARED. THE ENTIRE SECTION STAKED THE ELEVATIONS CAREFULLY CHECKED, AND A PRE-CONSTRUCTION MEETING HAS BEEN HELD. A POST CONSTRUCTION MEETING WILL BE HELD W/ CONTRACTOR PRESENT TO VERIFY ALL CONSTRUCTION IS ACCEPTABLE TO CIVL PRIOR TO THE INSTALLATION OF ELECTRICAL WIRE.
- DEVELOPER MUST SHOW PROOF OF ADEQUATE INSURANCE COVERAGE (ARKANSAS WORKERS COMPENSATION, \$1,000,000.00 MINIMUM GENERAL LIABILITY, AND \$1,000,000.00 MINIMUM AUTO LIABILITY) CONTRACTOR MUST HAVE A STATE CONTRACTORS LICENSE. CONTRACTOR MUST HAVE A COMPETENT PERSON AT THE JOB SITE AS DEFINED BY OSHA.
- FINAL CLEAN-UP OF THE SITE SHALL INCLUDE THE REMOVAL AND DISPOSAL OFF-SITE OF ALL CONSTRUCTION DEBRIS, AND SURPLUS MATERIALS.
- DURING CONSTRUCTION, WORK SHALL BE INSPECTED BY THE DEVELOPER'S CONSULTING ENGINEER FOR NECESSARY SAFETY PRACTICES, PROPER MATERIALS, AND WORKMANSHIP. CIVL WILL PROVIDE RANDOM INSPECTIONS TO INSURE THAT THE PLANS APPROVED BY THE ARKANSAS DEPARTMENT OF HEALTH AND CIVL ARE FOLLOWED CONCERNING WORKMANSHIP AND MATERIALS.
- SEWER AND WATER LINES NOT BEEN ACCEPTED BY CIVL WITHIN 360 DAYS AFTER MANHOLE TESTS, LOW PRESSURE AIR TESTS, HYDROSTATIC TESTS AND BACTERIAL TESTS, ALL TESTS WILL BE REQUIRED TO BE REPEATED AND RE-CERTIFIED.
- INSTALLATION OF DOMESTIC WATER METER TAPS ARE REQUIRED TO BE MADE DURING THE INSTALLATION OF THE NEW WATER MAINS.
- OBSTRUCTING DRAINAGE PIPES, SHALL BE REMOVED. IF IN SOUND, UNDAMAGED CONDITION, THEY MAY BE CLEANED AND RE-INSTALLED. IF UNSOUND OR DAMAGED, THEY SHALL BE REPLACED WITH THE SAME TYPE OF MATERIAL. WHEN THE ANGLE BETWEEN CENTER LINES OF A DRAINAGE PIPE AND WATER MAIN WILL PERMIT, THE WATER MAIN MAY BE INSTALLED BY TUNNELING, PROVIDED THE DRAINAGE PIPE IS NOT DAMAGED AND THE WATER MAIN IS LAID PROPERLY. AS AN ALTERNATIVE IN THE CASE OF CORRUGATED METAL PIPE, A SECTION MAY BE CUT FROM THE DRAINAGE PIPE, AND RESTORATION ACCOMPLISHED WITH NEW PIPE AND COUPLING BANDS.
- CIVL ENGINEERING DEPT. MUST APPROVE ANY WATER OR SEWER LINES THAT WILL BE INSTALLED CLOSER THAN 5' PARALLEL WITH EDGE OF PAVED STREET SURFACE.
- REPAIRS SHALL BE MADE IN ACCORDANCE WITH AWWA. IF VALVE IS CLOSED BY THE CONTRACTOR WITHOUT CIVL'S KNOWLEDGE, THE NEW SECTION MUST BE TESTED FOR WATER QUALITY AND FLUSHED. THE CIVL INSPECTOR WILL WITHNESS ALL REPAIRS.
- WATER LINE FITTINGS SHALL BE CLASS 350 DUCTILE IRON OR CAST IRON.
- TRENCH DEPTH WILL BE SUCH AS TO ALLOW A MINIMUM COVER OF 42" OVER WATER MAIN.
- LEAKAGE TESTS SHALL BE MADE PRIOR TO STERILIZATION OPERATIONS. THE TEST PERIOD SHALL BE TWO (2) HOURS. TEST PRESSURE SHALL BE 1.5 TIMES THE CALCULATED WORKING PRESSURE OF THE MAIN, BUT NOT LESS THAN 100 PSI. THE LINE WILL NOT BE ACCEPTED UNLESS OR UNTIL THE TOTAL IS LESS THAN THAT SPECIFIED IN AWWA C-600-93 FOR DUCTILE IRON AND AWWA C-605-94 FOR PVC PIPE.
- ALL WATER LINES SHALL BE STERILIZED IN ACCORDANCE WITH AWWA C-651-94. ANY NEW CONSTRUCTION OR REPAIRED WATER MAIN SHALL BE THOROUGHLY CLEANED, FLUSHED, DISINFECTED, AND TESTED FOR BACTERIOLOGICAL QUALITY BEFORE IT CAN BE PLACED IN SERVICE. FOLLOWING A CONTACT PERIOD OF NOT LESS THAN 24 HOURS, THE CHLORINATED WATER SHALL BE FLUSHED FROM THE SYSTEM AND THE SYSTEM FILLED WITH WATER OF NORMAL CHLORINE CONTENT. SAMPLES OF WATER THEN SHALL BE TAKEN ON TWO CONSECUTIVE DAYS FROM THE LINES AND DELIVERED TO THE CIVL LABORATORY FOR BACTERIAL ANALYSIS. THIS PROCESS SHALL BE CONTINUED UNTIL THE SAMPLES SHOW THE WATER IS SAFE FOR DOMESTIC REQUIREMENTS. FLUSHING DEVICES SHOULD BE SIZED TO PROVIDE FLOWS WHICH WILL GIVE A VELOCITY OF AT LEAST 2.5 FEET PER SECOND IN THE WATER MAIN BEING FLUSHED. NO FLUSHING DEVICE SHALL BE DIRECTLY CONNECTED TO ANY SEWER. IF THE LINE HAS SET FOR A ONE MONTH OR LONGER BEFORE FINAL ACCEPTANCE, IT SHALL BE RESTERILIZED, FLUSHED, AND BACTERIAL TESTED.
- THE DEVELOPER AND ENGINEER ARE RESPONSIBLE FOR METER BOX LOCATIONS. ANY CONFLICTS THAT REQUIRE PLASTIC BOX(S) TO BE CHANGED OUT TO CONCRETE BOX(S) WILL BE AT THE EXPENSE OF THE DEVELOPER AND/OR CONTRACTOR.
- IF UNSAFE PRACTICES ARE DISCOVERED BY CIVL DURING INSPECTIONS OF WORKMANSHIP AND MATERIALS, CIVL WILL NOTIFY OSHA. THIS PROCEDURE IN NO WAY OBLIGATES CIVL FOR THE RESPONSIBILITY OF THE CONTRACTOR'S SAFETY PRACTICES.
- DURING CONSTRUCTION, WORK SHALL BE INSPECTED DAILY BY THE ENGINEER OF RECORD FOR PROPER MATERIALS, WORKMANSHIP, AND INSTALLATION IN ACCORDANCE WITH THE APPROVED ARKANSAS DEPARTMENT OF HEALTH AND CIVL WATER AND LIGHT APPROVED PLANS.

TRENCH SETTLEMENT NOTE:
 CITY WATER & LIGHT IS NOT RESPONSIBLE FOR ANY SETTLEMENT OVER WATER & SEWER TRENCHES THAT OCCURS BEFORE OR AFTER THE WARRANTY PERIOD.

WATER METER NOTE:
 WATER METERS ARE SHOWN PICTORIALLY ONLY. WATER METERS SHALL BE LOCATED AT THE RIGHT OF WAY APPROXIMATELY AT THE CENTER OF THE LOT. THERE SHOULD BE A MINIMUM OF 10 FEET SEPARATION BETWEEN WATER METERS AND SANITARY SEWER SERVICES.

WATER CONNECTION NOTE:
 CONTRACTOR SHALL NOT INITIATE TIE IN CONNECTION TO EXISTING WATER MAIN AFTER 3 P.M. DURING NORMAL WORKING DAYS OR ON FRIDAY AFTER 12 P.M., UNLESS APPROVED BY CITY WATER & LIGHT ENGINEERING DEPT. CONTRACTOR SHALL NOTIFY CIVL INSPECTOR OF TENTATIVE TIME FRAME FOR CONNECTION 24 HOURS PRIOR TO ACTIVITY.

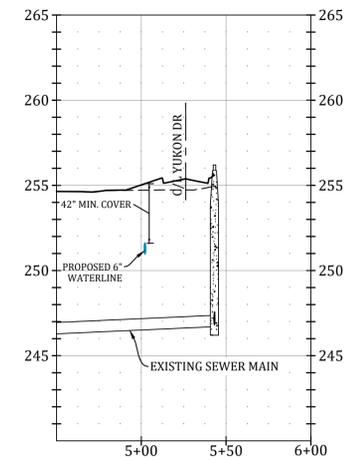
ALL SEWER WYES SHALL BE A MINIMUM OF 10' FOOT AWAY FROM PROPERTY CORNERS.

ELECTRICAL CONDUIT NOTE:
 ALL ELECTRICAL CONDUIT SHALL HAVE A MINIMUM 48" OF COVER BELOW FINISHED GRADE.

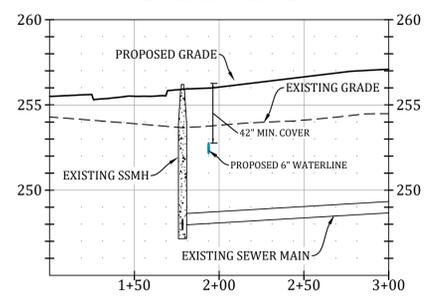
NO TRANSFORMER, JUNCTION BOX, OR PULL BOX TO BE PLACED OVER WATER FITTINGS WITHOUT CITY WATER AND LIGHT APPROVAL.

OPERATING NOTE:
 THE OPERATING ROUTINE SHALL INCLUDE NECESSARY PROTECTIVE MEASURES TO DETECT AND REMOVE OR DESTROY ANY CONTAMINANT OF CONCERN OR REGULATION THAT MIGHT ENTER THE DISTRIBUTION SYSTEM. EVERY PRECAUTION MUST BE TAKEN AGAINST THE POSSIBILITY OF SEWAGE CONTAMINATION OF THE WATER IN THE DISTRIBUTION SYSTEM. WATER MAINS AND SANITARY SEWERS SHALL BE CONSTRUCTED AS FAR APART AS PRACTICABLE, AND SHALL BE SEPARATED BY UNDISTURBED AND COMPACTED EARTH. A MINIMUM HORIZONTAL DISTANCE OF 10' SHOULD BE MAINTAINED BETWEEN WATER LINES AND SEWER LINE OR OTHER SOURCES OF CONTAMINATION. WATER LINES AND SEWER SHALL NOT BE LAID IN THE SAME TRENCH EXCEPT OF THE WRITTEN APPROVAL OF THE ARKANSAS DEPARTMENT OF HEALTH. WATER MAINS NECESSARILY CLOSE PROXIMITY TO SEWERS MUST BE PLACED SO THAT THE BOTTOM OF THE WATERLINE WILL BE AT LEAST 18" ABOVE THE TOP OF THE SEWER LINE AT ITS HIGHEST POINT. IF THIS DISTANCE MUST UNAVOIDABLY BE REDUCED, THE WATER LINE OR THE SEWER LINE MUST BE ENCASED IN A WATERTIGHT PIPE WITH SEALED WATERTIGHT ENDS EXTENDING AT LEAST 10' EITHER SIDE OF THE CROSSING. ANY JOINT IN THE ENCASEMENT PIPE IS TO BE MECHANICALLY RESTRAINED. THE ENCASEMENT PIPE MAY BE VENTED TO THE SURFACE IF CARRYING WATER OR SEWER UNDER PRESSURE. WHERE A WATER LINE MUST UNAVOIDABLY PASS BENEATH THE SEWER LINE, AT LEAST 18" OF SEPARATION MUST BE MAINTAINED BETWEEN THE OUTSIDE OF THE TWO PIPES IN ADDITION TO THE PRECEDING ENCASEMENT REQUIREMENTS. EXCEPTIONS TO THIS MUST BE APPROVED IN WRITING BY THE ARKANSAS DEPARTMENT OF HEALTH. A MINIMUM HORIZONTAL DISTANCE OF 3' SHALL BE MAINTAINED BETWEEN WATER LINES AND OTHER UNDERGROUND UTILITIES OF A NON-SANITARY NATURE (GAS, ELECTRIC, ETC.), EXCEPTIONS TO THIS MUST BE APPROVED IN WRITING BY THE ARKANSAS DEPARTMENT OF HEALTH AND HUMAN SERVICES.

SEWER CROSSING A



SEWER CROSSING B



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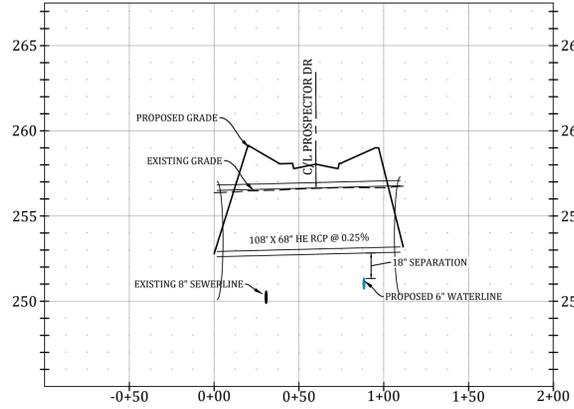
REVISIONS

DATE	BY	DESCRIPTION

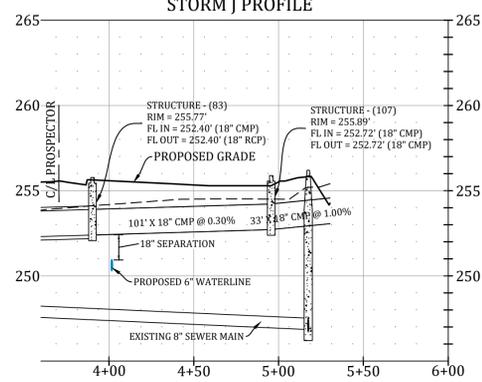
DRAWING INFO.
 DRAWN BY: GMD
 DATE: 2/1/2021
 SCALE: 1"=60'

SHEET NUMBER:
WT-1

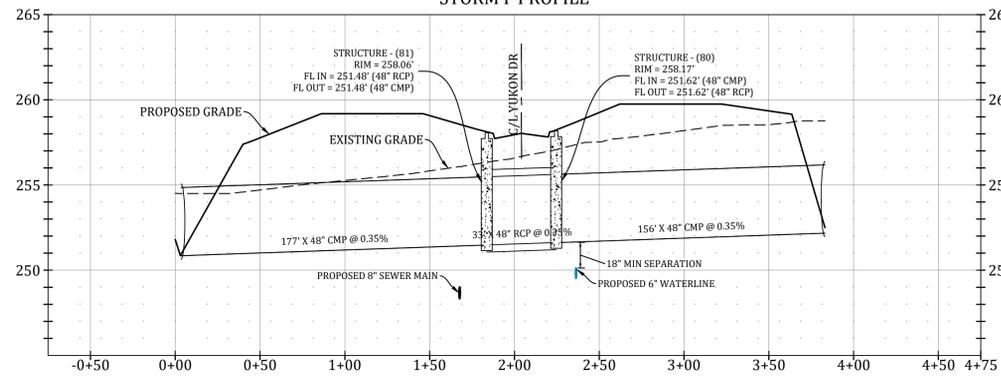
STORM D.2 PROFILE



STORM J PROFILE



STORM F PROFILE



LEGEND

	CURB		STORM DRAIN INLET
	SIDEWALK		STORM DRAIN PIPE
	CORRIDOR CROSS SECTION LINE		SANITARY SEWER
	WATER LINE		SEWER MANHOLE
	WATER METER		SEWER WYE
	FIRE HYDRANT		SEWER STUB-OUT
	BLOW-OFF ASSEMBLY		EX. SEWER WYE
	GATE VALVE		EX. SEWER STUB-OUT

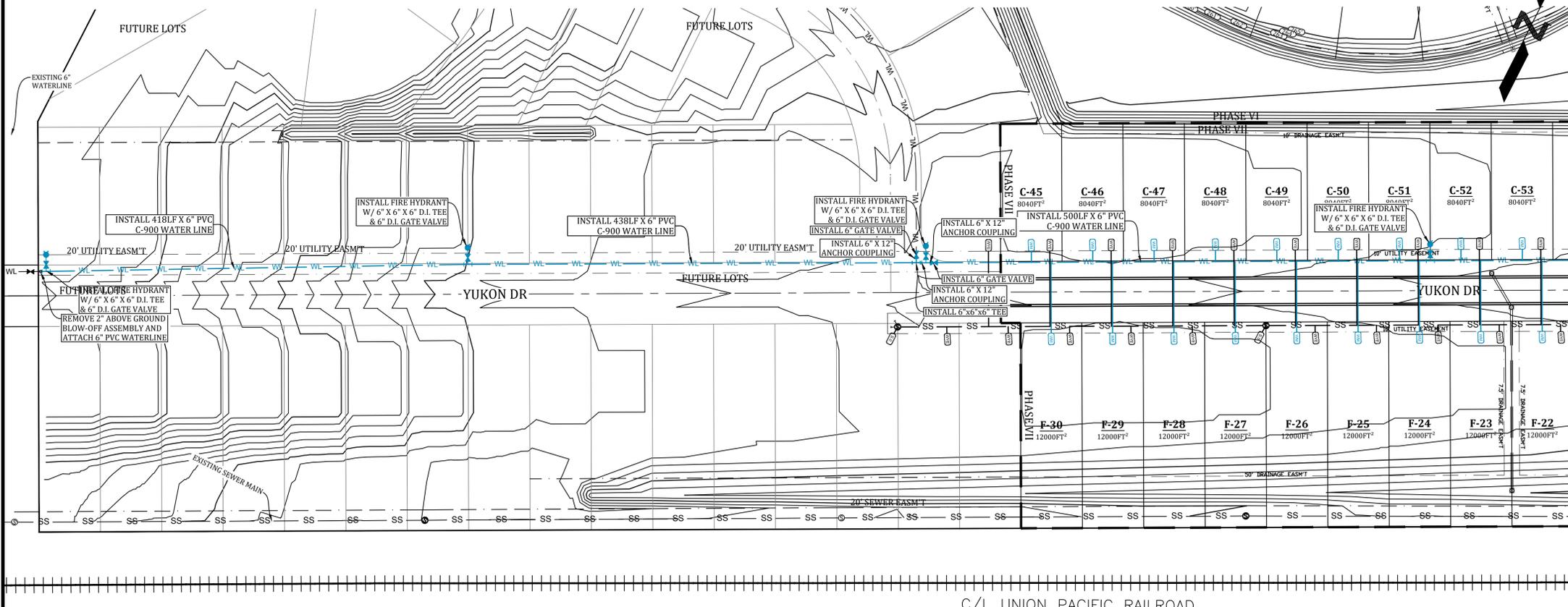
NOTE: SYMBOLS REPRESENTED IN LEGEND MAY NOT ALL BE INCLUDED ON THIS SHEET

TOTAL WATERLINE QUANTITIES:
 3242 LF - 6" C-900 PVC WATERLINE
 32 - 3/4" SHORT SERVICES
 29 - 3/4" LONG SERVICES

PRESSURES:
 STATIC PRESSURE = 87 PSI
 RESIDUAL PRESSURE = 77 PSI

WATER AND ELECTRIC NOTES:

- CONTRACTOR SHALL PROVIDE NECESSARY ELECTRICAL CONDUIT & PERMANENT MARKERS W/ GRAY PVC SCH 40 (2") & PVC SCH 40 (4") & 30" RAD ELBOWS FOR RISERS AND A STRING & MOUSE BLOW IN THE CONDUIT. CONTRACTOR SHALL OBTAIN AN ELECTRICAL PLAN FROM CITY AND INSTALL THE ELECTRICAL CONDUIT AS SPECIFIED BY CWL (CONTRACTOR SHALL OBTAIN CITY SPECIFICATIONS).
- CONTRACTOR SHALL PROVIDE 3/4" METER STOP, TAP, SERVICE LINE & METER BOX AS REQUIRED BY CWL & INSTALL AS REQUIRED BY CWL.
- CONTRACTOR SHALL PROVIDE ENGINEER W/ "AS-BUILT" DIMENSIONS FOR WYES, VALVES, TEES, BENDS, FIRE HYDRANTS, & WATER METERS.
- CONTRACTOR SHALL PROVIDE LABOR AND MATERIALS FOR ALL SEWER, WATER, & ELECTRICAL LINE LATERALS & PROVIDE LABOR & MATERIAL TO BACKFILL ALL SEWER, WATER & ELECTRICAL STREET CUTS WITH SANDY MATERIAL (P.I. <15) TO TOP OF EXCAVATION & COMPACT FILL TO 95% COMPACTION & PROVIDE COMPACTION TESTS AT 2' INTERVALS. CONTRACTOR SHALL PROVIDE LABOR AND MATERIAL FOR ALL SEWER & WATER LINE MAINS THAT CROSS A STREET & BACKFILL THEM WITH SANDY (P.I. <15) TO TOP OF EXCAVATION & COMPACT FILL TO 95% COMPACTION & PROVIDE MATERIAL COMPACTION TESTS AT 2' INTERVALS.
- A 12 GA SOLID TRACER WIRE SHALL BE INSTALLED WITH WATER LINE MAIN WHERE THERE SHALL BE A PERMANENT WATER LINE MARKER INSTALLED @ THE BEGINNING, THE END, AND 75' INTERVALS BETWEEN WHERE THE TRACER WIRE IS INSTALLED. THE TRACER WIRE SHALL BE INSTALLED ABOVE THE WATER LINE AND CONNECTED TO THE PERMANENT MARKERS IN A MANNER THAT WILL INSURE A CONTINUOUS CONNECTION OF THE TRACER LINE. CONTRACTOR SHALL CALL ARK ONE CALL FOR LOCATES PRIOR TO CONSTRUCTION.
- CWL SHALL PROVIDE FIRE HYDRANT, 6" D.I. GATE VALVE, VALVE BOX W/ LID, AND 6" BY LINE SIZE D.I. TEE. CONTRACTOR SHALL PROVIDE LABOR FOR INSTALLATION AND CONCRETE BLOCKING. (SEE DETAIL SHEET)
- CONTRACTOR SHALL NOTIFY ENGINEER TO DETERMINE ELEVATIONS FOR MANHOLE TOPS, WATERLINE ELEVATION WHERE IT CROSSES PROPOSED STORM DRAINS, WATER METER BOX ELEVATIONS, VALVE BOX ELEVATIONS, AND FIRE HYDRANT ELEVATIONS, AND WATER LINE LOCATOR INLETS. WATER LINE SHALL BE INSTALLED AT AN ELEVATION WHERE HYDRANTS ARE LOCATED TO ENSURE HYDRANT WILL BE AT PROPER HEIGHT WHEN FINISHED GRADE HAS BEEN OBTAINED.
- CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH PLANS TO INSURE THE WATER LINE DEPTH OF INSTALLATION IS BELOW THE PROPOSED STORM DRAIN ELEVATION. CONTRACTOR WILL BE REQUIRED TO COME BACK AND LOWER WATER LINE (AT THE CONTRACTOR'S EXPENSE) IF IT INTERFERES WITH THE STORM DRAIN INSTALLATION.
- IF CONTRACTOR CAN NOT INSURE WATER LINE INSTALLATION TO BE BELOW STORM DRAIN, THEN THE CONTRACTOR SHALL POSTPONE WATER LINE INSTALLATION UNTIL STORM DRAIN HAS BEEN INSTALLED.
- CONTRACTOR SHALL PROVIDE OWNER WITH ONE YEAR WARRANTY FOR MATERIALS AND WORKMANSHIP.
- CONTRACTOR SHALL PROVIDE ENGINEER WITH LIEN RELEASES FOR MATERIALS AND LABOR, BACTERIAL SAMPLE RESULTS, AND MODEL YEAR OF WATER LINE VALVES WITHIN 30 DAYS OF COMPLETION OF WORK.
- CONTRACTOR SHALL DRESS UP PROJECT AFTER INSTALLATION TO THE CONDITION IT AS PRIOR TO BEGINNING CONSTRUCTION. MOUND BACKFILL OVER TRENCHES 1' TO 2' TO ALLOW FOR SETTLING IN AREAS OUT OF THE STREET.
- CONTRACTOR SHALL REVIEW DETAIL SHEETS TO ENSURE PROPER INSTALLATION OF VALVES, FIRE HYDRANTS, CONCRETE BLOCKING, SERVICE LINES, MANHOLE INVERTS, AND DROP ASSEMBLIES.
- CONTRACTOR SHALL OBTAIN A CURRENT SET OF CWL SPECIFICATIONS AND REVIEW THEM. CWL SPECIFICATIONS ARE TO BE ADHERED TO AND MADE A PART OF THIS SET OF PLANS. CONTRACTOR SHALL USE CWL SPECIFICATIONS TO INCLUDE ITEMS NOT SHOWN OR REFERRED TO IN THIS SET OF PLANS. ALL STREET EXCAVATION MATERIAL SHALL BE DISPOSED OF BY CONTRACTOR ON THE ADJACENT LOTS OR AS DIRECTED BY OWNER.
- ALL STREET EXCAVATION MATERIAL SHALL BE DISPOSED OF BY CONTRACTOR ON THE ADJACENT LOTS OR AS DIRECTED BY OWNER.
- CONTRACTOR SHALL PLACE 8 MIL POLYWRAP OVER DUCTILE IRON FITTINGS PRIOR TO PLACING CONCRETE BLOCKING TO PREVENT CONCRETE FROM ENCASED BOLTS & NUTS.
- ALL WATER LINES 42" DIAMETER SHALL BE AWWA C-900 PRESSURE CLASS 150 DR 18. ALL 2" AND 3" DIAMETER WATER LINES SHALL BE SDR 21 CLASS 200 (ASTM 2241). ALL SEWER LINES SHALL BE ASTM 2241 SDR 26.
- WATER LINE AND SANITARY SEWER LINE SHALL MAINTAIN 18" MINIMUM VERTICAL SEPARATION. WATER LINE AND STORM DRAIN SHALL MAINTAIN 36" MINIMUM HORIZONTAL SEPARATION TO PREVENT FREEZING. MAINTAIN 10' HORIZONTAL SEPARATION BETWEEN SEWER AND WATER LINE.
- CONSTRUCTION SHALL BEGIN ONLY AFTER APPROVED PLANS FROM THE ARKANSAS DEPARTMENT OF HEALTH ARE SUBMITTED TO CWL AND ALL NECESSARY FEES ARE PAID IN FULL. CONSTRUCTION BY CONTRACTORS SHALL THEN BEGAIN ONLY AFTER THE RIGHT OF WAY HAS BEEN CLEARED. THE ENTIRE SECTION STAKED THE ELEVATIONS CAREFULLY CHECKED, AND A PRE-CONSTRUCTION MEETING HAS BEEN HELD. A POST CONSTRUCTION MEETING WILL BE HELD W/ CONTRACTOR PRESENT TO VERIFY ALL CONSTRUCTION IS ACCEPTABLE TO CWL PRIOR TO THE INSTALLATION OF ELECTRICAL WIRE.
- DEVELOPER MUST SHOW PROOF OF ADEQUATE INSURANCE COVERAGE (ARKANSAS WORKERS COMPENSATION, \$1,000,000.00 MINIMUM GENERAL LIABILITY, AND \$1,000,000.00 MINIMUM AUTO LIABILITY) CONTRACTOR MUST HAVE A STATE CONTRACTORS LICENSE. CONTRACTOR MUST HAVE A COMPETENT PERSON AT THE JOB SITE AS DEFINED BY OSHA.
- FINAL CLEAN-UP OF THE SITE SHALL INCLUDE THE REMOVAL AND DISPOSAL OFF-SITE OF ALL CONSTRUCTION DEBRIS, AND SURPLUS MATERIALS.
- DURING CONSTRUCTION, WORK SHALL BE INSPECTED BY THE DEVELOPER'S CONSULTING ENGINEER FOR NECESSARY SAFETY PRACTICES, PROPER MATERIALS, AND WORKMANSHIP. CWL WILL PROVIDE RANDOM INSPECTIONS TO INSURE THAT THE PLANS APPROVED BY THE ARKANSAS DEPARTMENT OF HEALTH AND CWL ARE FOLLOWED CONCERNING WORKMANSHIP AND MATERIALS.
- IF SEWER AND WATER LINES HAVE NOT BEEN ACCEPTED BY CWL WITHIN 360 DAYS AFTER MANDREL TESTS, LOW PRESSURE AIR TESTS, HYDROSTATIC TESTS AND BACTERIAL TESTS, ALL TESTS WILL BE REQUIRED TO BE REPEATED AND RE-CERTIFIED.
- INSTALLATION OF DOMESTIC WATER METER TAPS ARE REQUIRED TO BE MADE DURING THE INSTALLATION OF THE NEW WATER MAINS.
- OBSTRUCTING DRAINAGE PIPES, SHALL BE REMOVED. IF IN SOUND, UNDAMAGED CONDITION, THEY MAY BE CLEANED AND RE-INSTALLED. IF UNSOUND OR DAMAGED, THEY SHALL BE REPLACED WITH THE SAME TYPE OF MATERIAL. WHEN THE ANGLE BETWEEN CENTER LINES OF A DRAINAGE PIPE AND WATER MAIN WILL PERMIT, THE WATER MAIN MAY BE INSTALLED BY TUNNELING, PROVIDED THE DRAINAGE PIPE IS NOT DAMAGED AND THE WATER MAIN IS LAID PROPERLY. AS AN ALTERNATIVE IN THE CASE OF CORRUGATED METAL PIPE, A SECTION MAY BE CUT FROM THE DRAINAGE PIPE, AND RESTORATION ACCOMPLISHED WITH NEW PIPE AND COUPLING BANDS.
- CWL ENGINEERING DEPT. MUST APPROVE ANY WATER OR SEWER LINES THAT WILL BE INSTALLED CLOSER THAN 5' PARALLEL WITH EDGE OF PAVED STREET SURFACE.
- REPAIRS SHALL BE MADE IN ACCORDANCE WITH AWWA. IF VALVE IS CLOSED BY THE CONTRACTOR WITHOUT CWL'S KNOWLEDGE, THE NEW SECTION MUST BE TESTED FOR WATER QUALITY AND FLUSHED. THE CWL INSPECTOR WILL WITHNESS ALL REPAIRS.
- WATER LINE FITTINGS SHALL BE CLASS 350 DUCTILE IRON OR CAST IRON.
- TRENCH DEPTH WILL BE SUCH AS TO ALLOW A MINIMUM COVER OF 42" OVER WATER MAIN.
- LEAKAGE TESTS SHALL BE MADE PRIOR TO STERILIZATION OPERATIONS. THE TEST PERIOD SHALL BE TWO (2) HOURS. TEST PRESSURE SHALL BE 1.5 TIMES THE CALCULATED WORKING PRESSURE OF THE MAIN, BUT NOT LESS THAN 100 PSI. THE LINE WILL NOT BE ACCEPTED UNLESS OR UNTIL THE TOTAL IS LESS THAN THAT SPECIFIED IN AWWA C-600-93 FOR DUCTILE IRON AND AWWA C-900-94 FOR PVC PIPE.
- ALL WATER LINES SHALL BE STERILIZED IN ACCORDANCE WITH AWWA C-651-94. ANY NEW CONSTRUCTION OR REPAIRED WATER MAIN SHALL BE THOROUGHLY CLEANED (FLUSHED), DISINFECTED, AND TESTED FOR BACTERIOLOGICAL QUALITY BEFORE IT CAN BE PLACED IN SERVICE. FOLLOWING A CONTACT PERIOD OF NOT LESS THAN 24 HOURS, THE CHLORINATED WATER SHALL BE FLUSHED FROM THE SYSTEM AND THE SYSTEM FILLED WITH WATER OF NORMAL CHLORINE CONTENT. SAMPLES OF WATER THEN SHALL BE TAKEN ON TWO CONSECUTIVE DAYS FROM THE LINES AND DELIVERED TO THE CWL - LABORATORY FOR BACTERIAL ANALYSIS. THIS PROCESS SHALL BE CONTINUED UNTIL THE SAMPLES SHOW THE WATER IS SAFE FOR DOMESTIC REQUIREMENTS. FLUSHING DEVICES SHOULD BE SIZED TO PROVIDE FLOWS WHICH WILL GIVE A VELOCITY OF AT LEAST 2.5 FEET PER SECOND IN THE WATER MAIN BEING FLUSHED. NO FLUSHING DEVICE SHALL BE DIRECTLY CONNECTED TO ANY SEWER. IF THE LINE HAS SET FOR A ONE MONTH OR LONGER BEFORE FINAL ACCEPTANCE, IT SHALL BE RESTERILIZED, FLUSHED, AND BACTERIAL TESTED.
- THE DEVELOPER AND ENGINEER ARE RESPONSIBLE FOR METER BOX LOCATIONS. ANY CONFLICTS THAT REQUIRE PLASTIC BOX(S) TO BE CHANGED OUT TO CONCRETE BOX(S) WILL BE AT THE EXPENSE OF THE DEVELOPER AND/OR CONTRACTOR.
- IF UNSAFE PRACTICES ARE DISCOVERED BY CWL DURING INSPECTIONS OF WORKMANSHIP AND MATERIALS, CWL WILL NOTIFY OSHA. THIS PROCEDURE IN NO WAY OBLIGATES CWL FOR THE RESPONSIBILITY OF THE CONTRACTOR'S SAFETY PRACTICES.
- DURING CONSTRUCTION, WORK SHALL BE INSPECTED DAILY BY THE ENGINEER OF RECORD FOR PROPER MATERIALS, WORKMANSHIP, AND INSTALLATION IN ACCORDANCE WITH THE APPROVED ARKANSAS DEPARTMENT OF HEALTH AND CITY WATER AND LIGHT APPROVED PLANS.



OPERATING NOTE:

THE OPERATING ROUTINE SHALL INCLUDE NECESSARY PROTECTIVE MEASURES TO DETECT AND REMOVE OR DESTROY ANY CONTAMINANT OF CONCERN OR REGULATION THAT MIGHT ENTER THE DISTRIBUTION SYSTEM. EVERY PRECAUTION MUST BE TAKEN AGAINST THE POSSIBILITY OF SEWAGE CONTAMINATION OF THE WATER IN THE DISTRIBUTION SYSTEM. WATER MAINS AND SANITARY SEWERS SHALL BE CONSTRUCTED AS FAR APART AS PRACTICABLE, AND SHALL BE SEPARATED BY UNDISTURBED AND COMPACTED EARTH. A MINIMUM HORIZONTAL DISTANCE OF 10' SHOULD BE MAINTAINED BETWEEN WATER LINES AND SEWER LINE OR OTHER SOURCES OF CONTAMINATION. WATER LINES AND SEWER SHALL NOT BE LAID IN THE SAME TRENCH EXCEPT OF THE WRITTEN APPROVAL OF THE ARKANSAS DEPARTMENT OF HEALTH. WATER MAINS NECESSARILY CLOSE PROXIMITY TO SEWERS MUST BE PLACED SO THAT THE BOTTOM OF THE WATERLINE WILL BE AT LEAST 18" ABOVE THE TOP OF THE SEWER LINE AT ITS HIGHEST POINT. IF THIS DISTANCE MUST UNAVOIDABLY BE REDUCED, THE WATER LINE OR THE SEWER LINE MUST BE ENCASED IN A WATERTIGHT PIPE WITH SEALED WATERTIGHT ENDS EXTENDING AT LEAST 10' EITHER SIDE OF THE CROSSING. ANY JOINT IN THE ENCASEMENT PIPE IS TO BE MECHANICALLY RESTRAINED. THE ENCASEMENT PIPE MAY BE VENTED TO THE SURFACE IF CARRYING WATER OR SEWER UNDER PRESSURE. WHERE A WATER LINE MUST UNAVOIDABLY PASS BENEATH THE SEWER LINE, AT LEAST 18" OF SEPARATION MUST BE MAINTAINED BETWEEN THE OUTSIDE OF THE TWO PIPES IN ADDITION TO THE PRECEDING ENCASEMENT REQUIREMENTS. EXCEPTIONS TO THIS MUST BE APPROVED IN WRITING BY THE ARKANSAS DEPARTMENT OF HEALTH. A MINIMUM HORIZONTAL DISTANCE OF 3' SHALL BE MAINTAINED BETWEEN WATER LINES AND OTHER UNDERGROUND UTILITIES OF A NON-SANITARY NATURE (GAS, ELECTRIC, ETC.), EXCEPTIONS TO THIS MUST BE APPROVED IN WRITING BY THE ARKANSAS DEPARTMENT OF HEALTH AND HUMAN SERVICES.

TRENCH SETTLEMENT NOTE:

CITY WATER & LIGHT IS NOT RESPONSIBLE FOR ANY SETTLEMENT OVER WATER & SEWER TRENCHES THAT OCCURS BEFORE OR AFTER THE WARRANTY PERIOD.

WATER METER NOTE:

WATER METERS ARE SHOWN PICTORIALLY ONLY. WATER METERS SHALL BE LOCATED AT THE RIGHT OF WAY APPROXIMATELY AT THE CENTER OF THE LOT. THERE SHOULD BE A MINIMUM OF 10 FEET SEPARATION BETWEEN WATER METERS AND SANITARY SEWER SERVICES.

WATER CONNECTION NOTE:

CONTRACTOR SHALL NOT INITIATE TIE IN CONNECTION TO EXISTING WATER MAIN AFTER 3 P.M. DURING NORMAL WORKING DAYS OR ON FRIDAY AFTER 12 P.M., UNLESS APPROVED BY CITY WATER & LIGHT ENGINEERING DEPT. CONTRACTOR SHALL NOTIFY CWL INSPECTOR OF TENTATIVE TIME FRAME FOR CONNECTION 24 HOURS PRIOR TO ACTIVITY.

ALL SEWER WYES SHALL BE A MINIMUM OF 10' FOOT AWAY FROM PROPERTY CORNERS.

ELECTRICAL CONDUIT NOTE:

ALL ELECTRICAL CONDUIT SHALL HAVE A MINIMUM 48" OF COVER BELOW FINISHED GRADE.

NO TRANSFORMER, JUNCTION BOX, OR PULL BOX TO BE PLACED OVER WATER FITTINGS WITHOUT CITY WATER AND LIGHT APPROVAL.

THERE SHALL BE AN ANCHOR COUPLING BETWEEN TEE AND GATE VALVE CONNECTIONS AND TEE AND REDUCER CONNECTIONS.



Know what's below. Call before you dig.

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MARK MORRIS

PROSPECT FARMS PHASE VII
 WATER PLAN

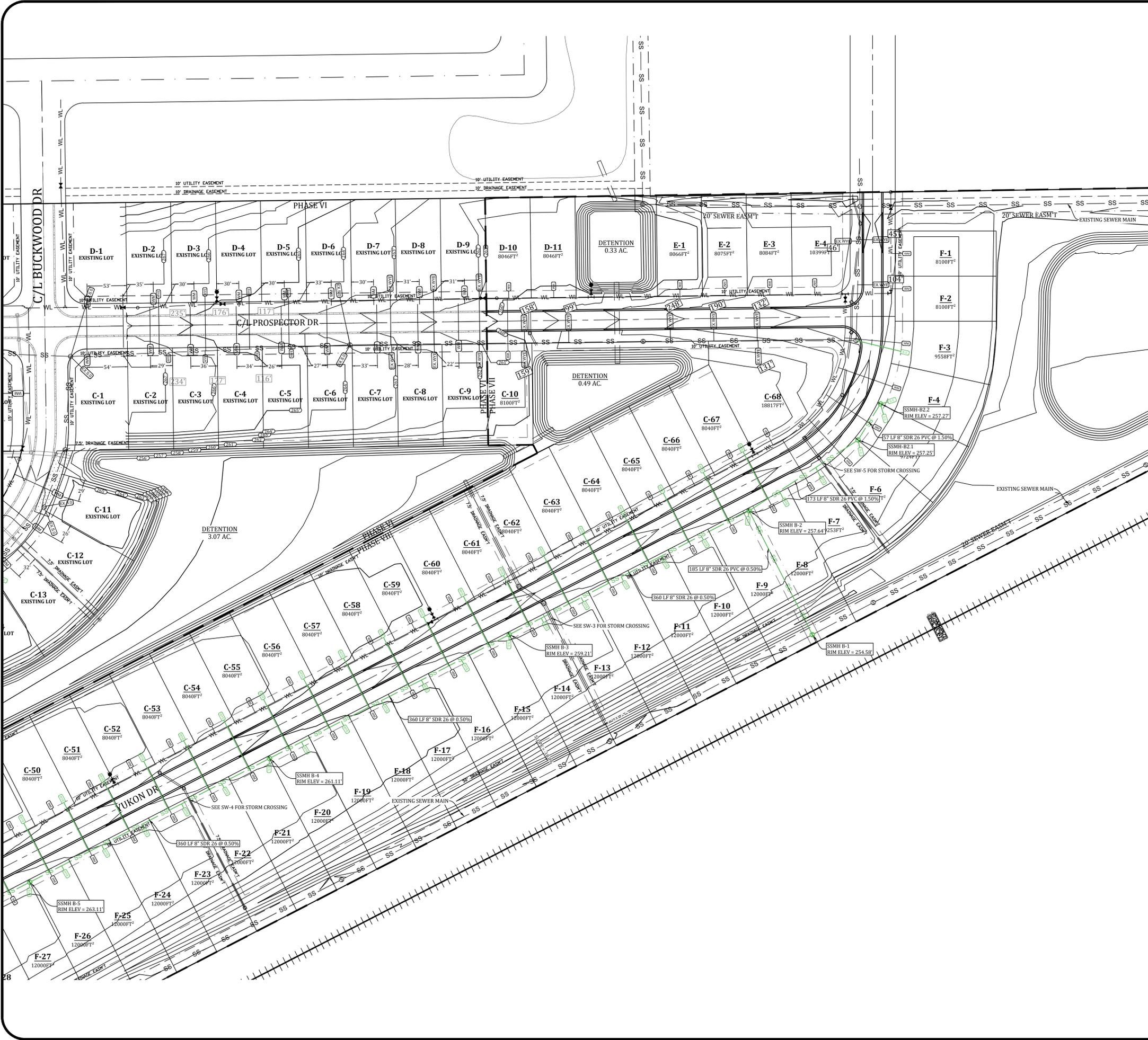


REVISIONS

DATE	BY	DESCRIPTION

DRAWING INFO.
 DRAWN BY: GMD
 DATE: 2/1/2021
 SCALE: 1"=60'

SHEET NUMBER:
WT-2



LEGEND

	CURB		STORM DRAIN INLET
	SIDEWALK		STORM DRAIN PIPE
	CORRIDOR CROSS SECTION LINE		SANITARY SEWER
	WATER LINE		SEWER MANHOLE
	WATER METER		SEWER WYE
	FIRE HYDRANT		SEWER STUB-OUT
	BLOW-OFF ASSEMBLY		EX. SEWER WYE
	GATE VALVE		EX. SEWER STUB-OUT

NOTE: SYMBOLS REPRESENTED IN LEGEND MAY NOT ALL BE INCLUDED ON THIS SHEET

TOTAL SEWERLINE QUANTITIES:

1855 LF - 8" SDR 26 PVC
 22- SHORT LATERALS
 24- LONG LATERALS

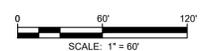
8- SHORT STUB-OUTS
 1- LONG STUB-OUT

- ### SANITARY SEWER NOTES:
- CONTRACTOR SHALL PROVIDE WYES OR STUBOUTS FOR EACH LOT. THEY SHALL BE PLACED ON THE LOW ELEVATION SIDE OF LOT OR IN THE CENTER OF THE LOT IF THE ELEVATION IS FLAT.
 - CONTRACTOR SHALL PROVIDE ENGINEER W/ "AS-BUILT" DIMENSIONS FOR WYES, VALVES, TEES, BENDS, FIRE HYDRANTS, & WATER METERS.
 - CONTRACTOR SHALL PROVIDE LABOR AND MATERIALS FOR ALL SEWER, WATER, & ELECTRICAL LINE LATERALS & PROVIDE LABOR & MATERIAL TO BACKFILL ALL SEWER, WATER & ELECTRICAL STREET CUTS WITH SANDY MATERIAL (P.I. <15) TO TOP OF EXCAVATION & COMPACT FILL TO 95% COMPACTION & PROVIDE COMPACTION TESTS AT 2' INTERVALS. CONTRACTOR SHALL PROVIDE LABOR AND MATERIAL FOR ALL SEWER & WATER LINE MAINS THAT CROSS A STREET AND BACKFILL THEM WITH SANDY (P.I. <15) TO TOP OF EXCAVATION & COMPACT FILL TO 95% COMPACTION & PROVIDE MATERIAL COMPACTION TESTS AT 2' INTERVALS.
 - CONTRACTOR SHALL CALL ARK ONE CALL FOR LOCATES PRIOR TO CONSTRUCTION.
 - CONTRACTOR SHALL NOTIFY ENGINEER TO DETERMINE ELEVATIONS FOR MANHOLE TOPS, WATERLINE ELEVATION WHERE IT CROSSES PROPOSED STORM DRAINS, WATER METER BOX ELEVATIONS, VALVE BOX ELEVATIONS, AND FIRE HYDRANT ELEVATIONS, AND WATER LINE LOCATION AROUND INLETS. WATER LINE SHALL BE INSTALLED AT AN ELEVATION WHERE HYDRANTS ARE LOCATED TO ENSURE HYDRANT WILL BE AT PROPER HEIGHT WHEN FINISHED GRADE HAS BEEN OBTAINED.
 - CONTRACTOR SHALL PROVIDE OWNER WITH ONE YEAR WARRANTY FOR MATERIALS AND WORKMANSHIP.
 - CONTRACTOR SHALL PROVIDE ENGINEER WITH LIEN RELEASES FOR MATERIALS AND LABOR, BACTERIAL SAMPLE RESULTS, AND MODEL & YEAR OF WATER LINE VALVES WITHIN 30 DAYS OF COMPLETION OF WORK.
 - CONTRACTOR SHALL DRESS UP PROJECT AFTER INSTALLATION TO THE CONDITION IT AS PRIOR TO BEGINNING CONSTRUCTION. MOUND BACKFILL OVER TRENCHES 1" TO 2" TO ALLOW FOR SETTLING IN AREAS OUT OF THE STREET.
 - ALL STREET EXCAVATION MATERIAL SHALL BE DISPOSED OF BY CONTRACTOR ON THE ADJACENT LOTS OR AS DIRECTED BY OWNER.
 - CONTRACTOR SHALL REVIEW DETAIL SHEETS TO ENSURE PROPER INSTALLATION OF VALVES, FIRE HYDRANTS, CONCRETE BLOCKING, SERVICE LINES, MANHOLE INVERTS, AND DROP ASSEMBLIES.
 - ALL SEWER LINES SHALL BE ASTM 2241 SDR-26.
 - WATER LINE AND SANITARY SEWER LINE SHALL MAINTAIN 18" MINIMUM SEPARATION. WATER LINE AND STORM DRAIN SHALL MAINTAIN 30" MINIMUM SEPARATION TO PREVENT FREEZING. MAINTAIN 10" HORIZONTAL SEPARATION BETWEEN SEWER AND WATER LINE. WHERE A WATER LINE MUST UNAVOIDABLY PASS BENEATH THE SEWER LINE, AT LEAST 18" OF SEPARATION MUST BE MAINTAINED BETWEEN THE OUTSIDE OF THE TWO PIPES IN ADDITION TO THE PRECEDING ENCASUREMENT REQUIREMENTS.
 - CONSTRUCTION SHALL BEGIN ONLY AFTER APPROVED PLANS FROM THE ARKANSAS DEPARTMENT OF HEALTH ARE SUBMITTED TO CWL. AND ALL NECESSARY FEES ARE PAID IN FULL. CONSTRUCTION BY CONTRACTORS SHALL THEN BEGIN ONLY AFTER THE RIGHT OF WAY HAS BEEN CLEARED, THE ENTIRE SECTION STAKED, THE ELEVATIONS CAREFULLY CHECKED, AND A PRE-CONSTRUCTION MEETING HAS BEEN HELD. A POST CONSTRUCTION MEETING WILL BE HELD WITH CONTRACTOR PRESENT TO VERIFY ALL CONSTRUCTION IS ACCEPTABLE TO CWL PRIOR TO THE INSTALLATION OF ELECTRICAL WIRE.
 - DEVELOPER MUST SHOW PROOF OF ADEQUATE INSURANCE COVERAGE (ARKANSAS WORKERS COMPENSATION, \$1,000,000.00 MINIMUM GENERAL LIABILITY, AND \$1,000,000.00 MINIMUM AUTO LIABILITY). CONTRACTOR MUST HAVE A STATE CONTRACTORS LICENSE. CONTRACTOR MUST HAVE A COMPETENT PERSON AT THE JOB SITE AS DEFINED BY OSHA.
 - DURING CONSTRUCTION, WORK SHALL BE INSPECTED BY THE DEVELOPER'S CONSULTING ENGINEER FOR NECESSARY SAFETY PRACTICES, PROPER MATERIALS, AND WORKMANSHIP. CWL WILL PROVIDE RANDOM INSPECTIONS TO INSURE THAT THE PLANS APPROVED BY THE ARKANSAS DEPARTMENT OF HEALTH AND CWL ARE FOLLOWED CONCERNING WORKMANSHIP AND MATERIALS.
 - IF SEWER AND WATER LINES HAVE NOT BEEN ACCEPTED BY CWL WITHIN 300 DAYS AFTER MANHOLE TESTS, LOW PRESSURE AIR TESTS, HYDROSTATIC TESTS AND BACTERIAL TESTS, ALL TESTS WILL BE REQUIRED TO BE REPEATED AND RE-CERTIFIED.
 - CWL ENGINEERING DEPT. MUST APPROVE ANY WATER OR SEWER LINES THAT WILL BE INSTALLED CLOSER THAN 5' PARALLEL WITH EDGE OF PAVED STREET SURFACE.
 - REPAIRS SHALL BE MADE IN ACCORDANCE WITH AWWA.
 - ALL SEWER WYES & STUBOUTS SHALL BE EXTENDED ACROSS STREETS TO THE APPROPRIATE LOT LINES. CONTRACTOR IS RESPONSIBLE FOR ENSURING ALL LOTS HAVE A SEWER SERVICE.

TRENCH SETTLEMENT NOTE:
 CITY WATER & LIGHT IS NOT RESPONSIBLE FOR ANY SETTLEMENT OVER WATER & SEWER TRENCHES THAT OCCURS BEFORE OR AFTER THE WARRANTY PERIOD.

ALL SEWER WYES SHALL BE A MINIMUM OF 10' FOOT AWAY FROM PROPERTY CORNERS.

NOTE: IF UNSAFE PRACTICES ARE DISCOVERED BY CWL DURING OUR INSPECTIONS OF WORKMANSHIP AND MATERIALS, CWL WILL NOTIFY THE OSHA. THIS NO WAY OBLIGATES CWL FOR THE RESPONSIBILITY OF THE CONTRACTORS SAFETY PRACTICES.



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PROSPECT FARMS PHASE VI

SEWER PLAN & PROFILE



REVISIONS		
DATE	BY	DESCRIPTION

DRAWING INFO.
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 DATE: 2/1/2021
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SW-1

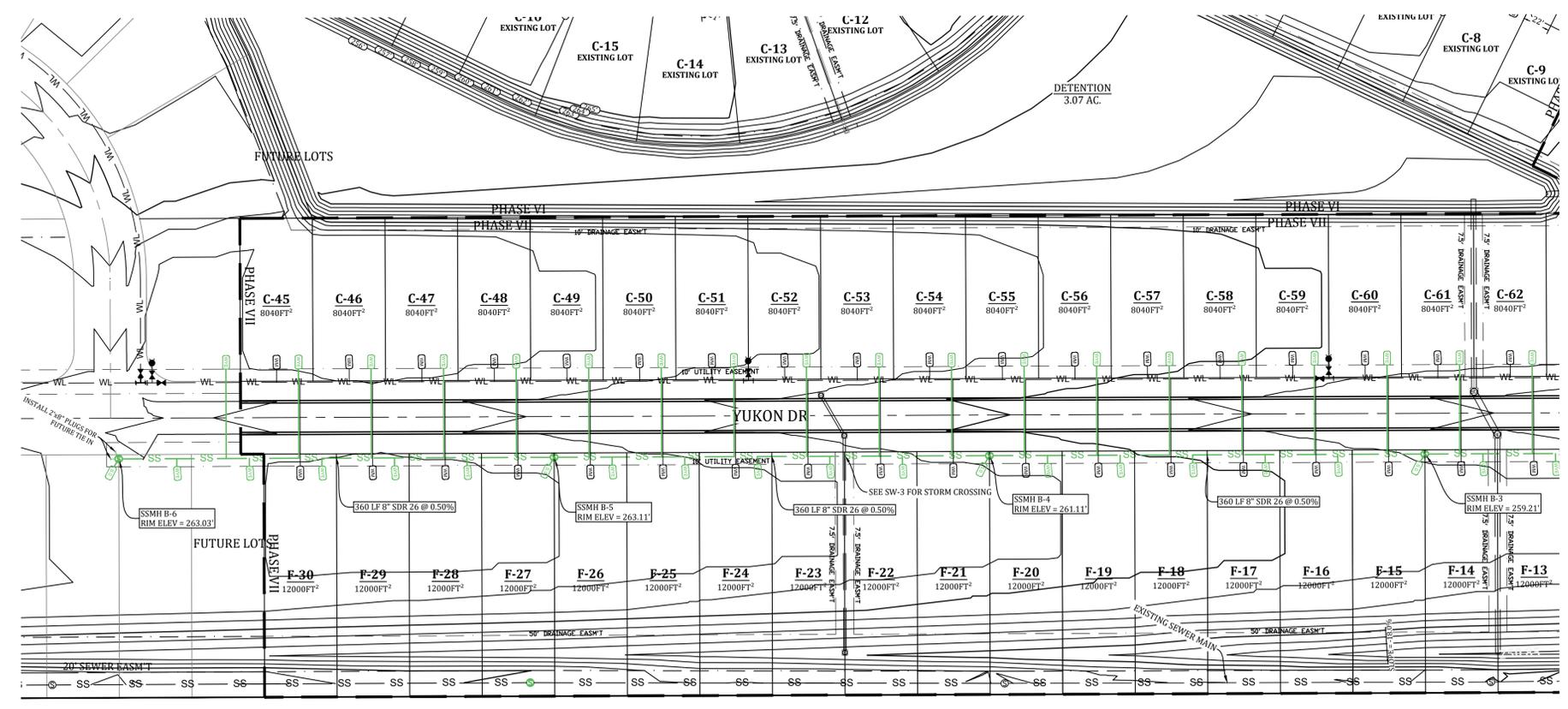


LEGEND			
	CURB		STORM DRAIN INLET
	SIDEWALK		STORM DRAIN PIPE
	CORRIDOR CROSS SECTION LINE		SANITARY SEWER
	WATER LINE		SEWER MANHOLE
	WATER METER		SEWER WYE
	FIRE HYDRANT		SEWER STUB-OUT
	BLOW-OFF ASSEMBLY		EX. SEWER WYE
	GATE VALVE		EX. SEWER STUB-OUT

NOTE: SYMBOLS REPRESENTED IN LEGEND MAY NOT ALL BE INCLUDED ON THIS SHEET

TOTAL SEWERLINE QUANTITIES:

1855 LF - 8" SDR 26 PVC	8- SHORT STUB-OUTS
22- SHORT LATERALS	1- LONG STUB-OUT
24- LONG LATERALS	

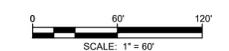


- SANITARY SEWER NOTES:**
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 - CONTRACTOR SHALL PROVIDE ENGINEER W/ "AS-BUILT" DIMENSIONS FOR WYES, VALVES, TEES, BENDS, FIRE HYDRANTS, & WATER METERS.
 - CONTRACTOR SHALL PROVIDE LABOR AND MATERIALS FOR ALL SEWER, WATER, & ELECTRICAL LINE LATERALS & PROVIDE LABOR & MATERIAL TO BACKFILL ALL SEWER, WATER & ELECTRICAL STREET CUTS WITH SANDY MATERIAL (P.I. <15) TO TOP OF EXCAVATION & COMPACT FILL TO 95% COMPACTION & PROVIDE COMPACTION TESTS AT 2' INTERVALS. CONTRACTOR SHALL PROVIDE LABOR AND MATERIAL FOR ALL SEWER & WATER LINE MAINS THAT CROSS A STREET AND BACKFILL THEM WITH SANDY (P.I. <15) TO TOP OF EXCAVATION & COMPACT FILL TO 95% COMPACTION & PROVIDE MATERIAL COMPACTION TESTS AT 2' INTERVALS.
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 - ALL STREET EXCAVATION MATERIAL SHALL BE DISPOSED OF BY CONTRACTOR ON THE ADJACENT LOTS OR AS DIRECTED BY OWNER.
 - CONTRACTOR SHALL REVIEW DETAIL SHEETS TO ENSURE PROPER INSTALLATION OF VALVES, FIRE HYDRANTS, CONCRETE BLOCKING, SERVICE LINES, MANHOLE INVERTS, AND DROP ASSEMBLIES.
 - ALL SEWER LINES SHALL BE ASTM 2241 SDR-26.
 - WATER LINE AND SANITARY SEWER LINE SHALL MAINTAIN 18" MINIMUM SEPARATION. WATER LINE AND STORM DRAIN SHALL MAINTAIN 36" MINIMUM SEPARATION TO PREVENT FREEZING. MAINTAIN 10" HORIZONTAL SEPARATION BETWEEN SEWER AND WATER LINE. WHERE A WATER LINE MUST UNAVOIDABLY PASS BENEATH THE SEWER LINE, AT LEAST 18" OF SEPARATION MUST BE MAINTAINED BETWEEN THE OUTSIDE OF THE TWO PIPES IN ADDITION TO THE PRECEDING ENCASUREMENT REQUIREMENTS.
 - CONSTRUCTION SHALL BEGIN ONLY AFTER APPROVED PLANS FROM THE ARKANSAS DEPARTMENT OF HEALTH ARE SUBMITTED TO CWL, AND ALL NECESSARY FEES ARE PAID IN FULL. CONSTRUCTION BY CONTRACTORS SHALL THEN BEGIN ONLY AFTER THE RIGHT OF WAY HAS BEEN CLEARED, THE ENTIRE SECTION STAKED, THE ELEVATIONS CAREFULLY CHECKED, AND A PRE-CONSTRUCTION MEETING HAS BEEN HELD. A POST CONSTRUCTION MEETING WILL BE HELD W/ CONTRACTOR PRESENT TO VERIFY ALL CONSTRUCTION IS ACCEPTABLE TO CWL PRIOR TO THE INSTALLATION OF ELECTRICAL WIRE.
 - DEVELOPER MUST SHOW PROOF OF ADEQUATE INSURANCE COVERAGE (ARKANSAS WORKERS COMPENSATION, \$1,000,000.00 MINIMUM GENERAL LIABILITY, AND \$1,000,000.00 MINIMUM AUTO LIABILITY). CONTRACTOR MUST HAVE A STATE CONTRACTORS LICENSE. CONTRACTOR MUST HAVE A COMPETENT PERSON AT THE JOB SITE AS DEFINED BY OSHA.
 - DURING CONSTRUCTION, WORK SHALL BE INSPECTED BY THE DEVELOPER'S CONSULTING ENGINEER FOR NECESSARY SAFETY PRACTICES, PROPER MATERIALS, AND WORKMANSHIP. CWL WILL PROVIDE RANDOM INSPECTIONS TO INSURE THAT THE PLANS APPROVED BY THE ARKANSAS DEPARTMENT OF HEALTH AND CWL ARE FOLLOWED CONCERNING WORKMANSHIP AND MATERIALS.
 - IF SEWER AND WATER LINES HAVE NOT BEEN ACCEPTED BY CWL WITHIN 360 DAYS AFTER MANHOLE TESTS, LOW PRESSURE AIR TESTS, HYDROSTATIC TESTS AND BACTERIAL TESTS, ALL TESTS WILL BE REQUIRED TO BE REPEATED AND RE-CERTIFIED.
 - CWL ENGINEERING DEPT. MUST APPROVE ANY WATER OR SEWER LINES THAT WILL BE INSTALLED CLOSER THAN 5' PARALLEL WITH EDGE OF PAVED STREET SURFACE.
 - REPAIRS SHALL BE MADE IN ACCORDANCE WITH AWWA.
 - ALL SEWER WYES & STUBOUTS SHALL BE EXTENDED ACROSS STREETS TO THE APPROPRIATE LOT LINES. CONTRACTOR IS RESPONSIBLE FOR ENSURING ALL LOTS HAVE A SEWER SERVICE.

TRENCH SETTLEMENT NOTE:
CITY WATER & LIGHT IS NOT RESPONSIBLE FOR ANY SETTLEMENT OVER WATER & SEWER TRENCHES THAT OCCURS BEFORE OR AFTER THE WARRANTY PERIOD.

ALL SEWER WYES SHALL BE A MINIMUM OF 10' FOOT AWAY FROM PROPERTY CORNERS.

NOTE: IF UNSAFE PRACTICES ARE DISCOVERED BY CWL DURING OUR INSPECTIONS OF WORKMANSHIP AND MATERIALS, CWL WILL NOTIFY THE OSHA. THIS NO WAY OBLIGATES CWL FOR THE RESPONSIBILITY OF THE CONTRACTORS SAFETY PRACTICES.



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 PROSPECT FARMS PHASE VI
 SEWER PLAN



REVISIONS		
DATE	BY	DESCRIPTION

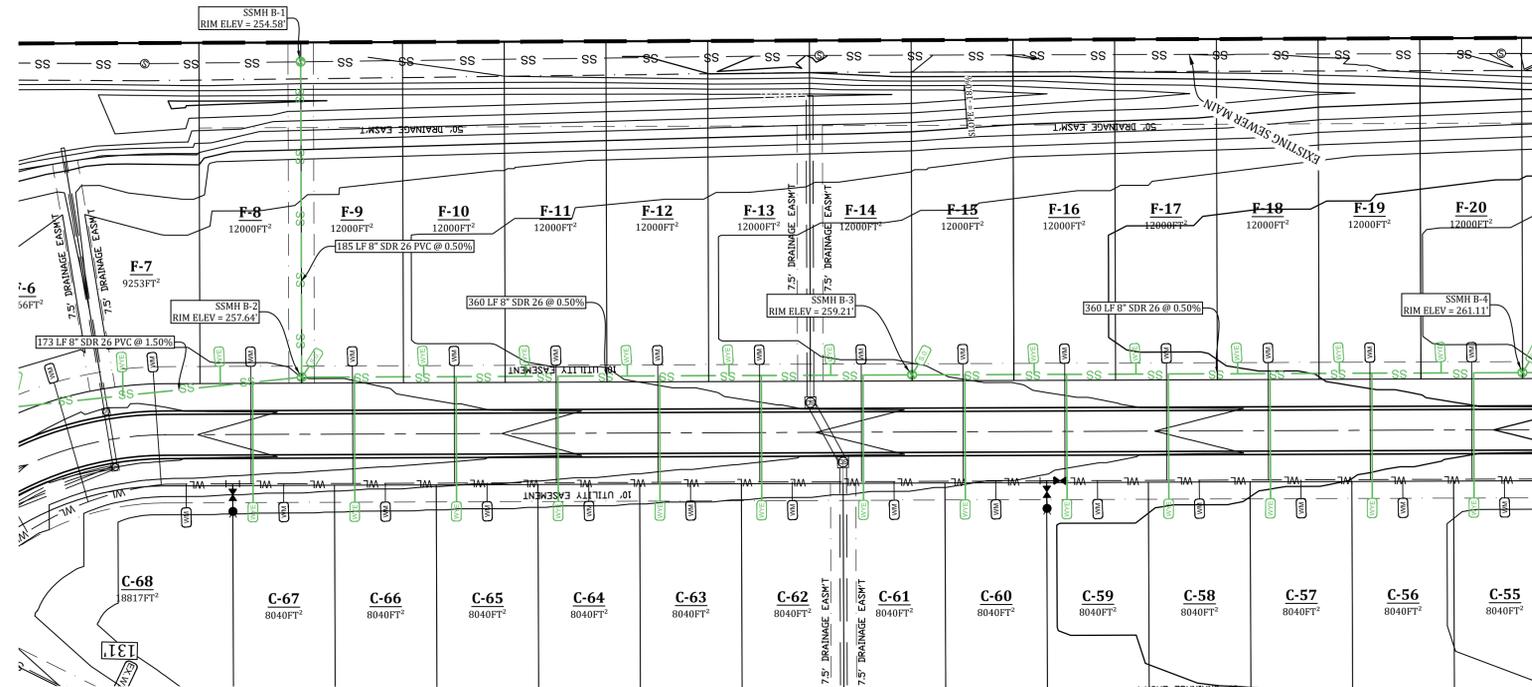
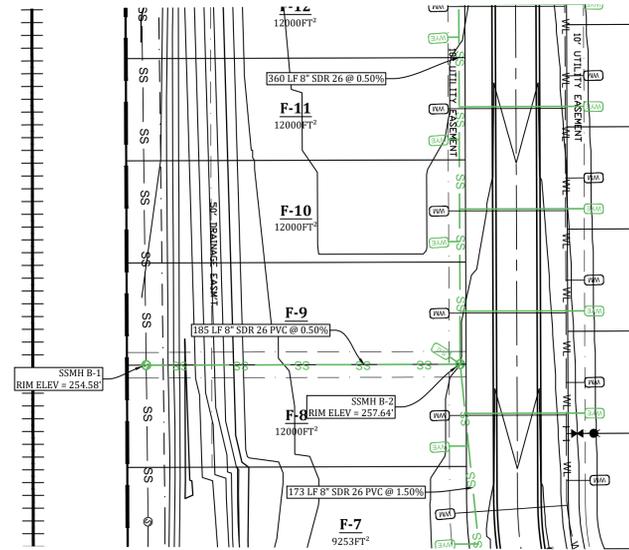
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SCALE:	1"=60'

SHEET NUMBER:
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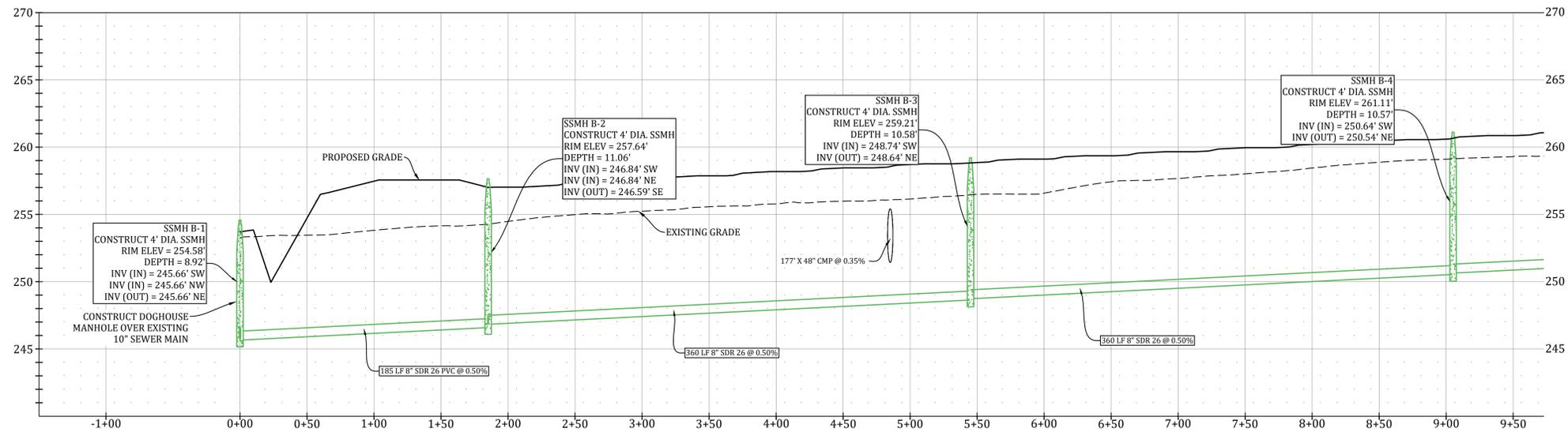


LEGEND			
	CURB		STORM DRAIN INLET
	SIDEWALK		STORM DRAIN PIPE
	CORRIDOR CROSS SECTION LINE		SANITARY SEWER
	WATER LINE		SEWER MANHOLE
	WATER METER		SEWER WYE
	FIRE HYDRANT		SEWER STUB-OUT
	BLOW-OFF ASSEMBLY		EX. SEWER WYE
	GATE VALVE		EX. SEWER STUB-OUT

NOTE: SYMBOLS REPRESENTED IN LEGEND MAY NOT ALL BE INCLUDED ON THIS SHEET



SEWER B PROFILE



VERTICAL SCALE 1:5
 HORIZONTAL SCALE 1:50
 SCALE: 1" = 50'

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PROSPECT FARMS PHASE VI
 SEWER PLAN



REVISIONS		
DATE	BY	DESCRIPTION

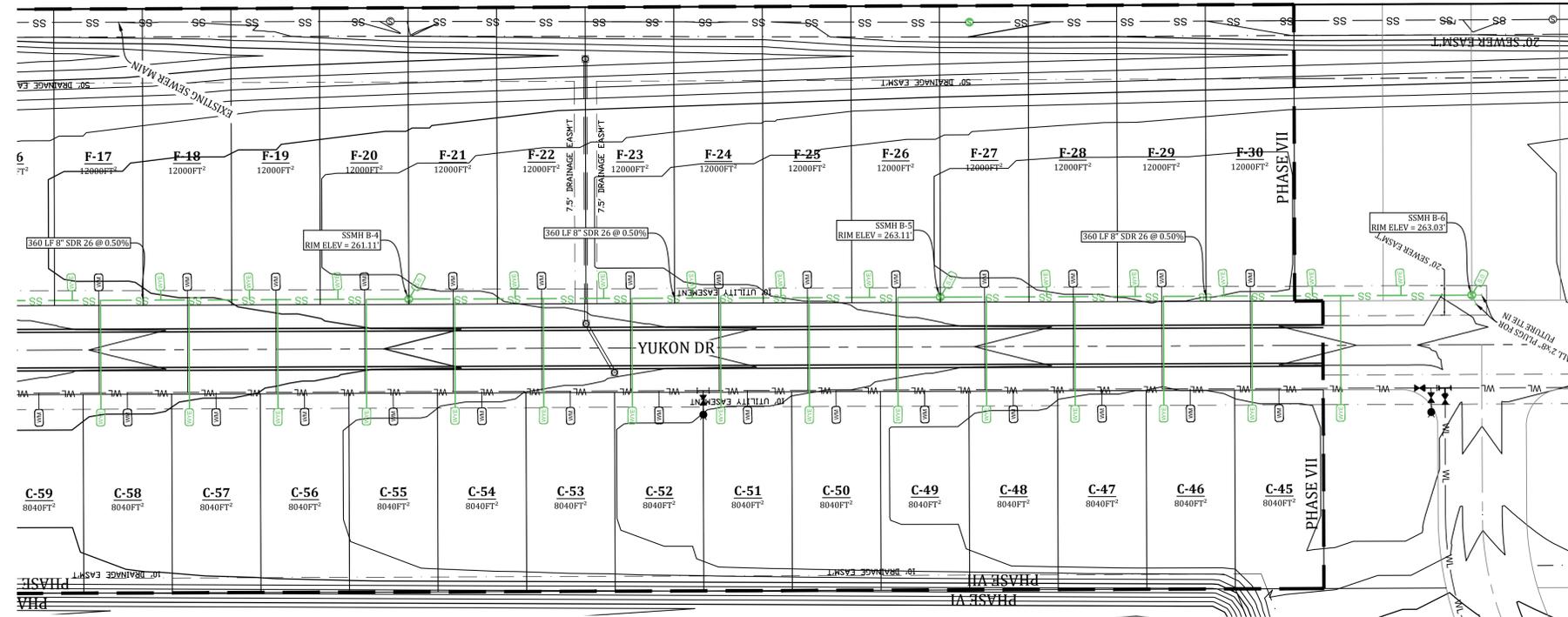
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SHEET NUMBER:
SW-3

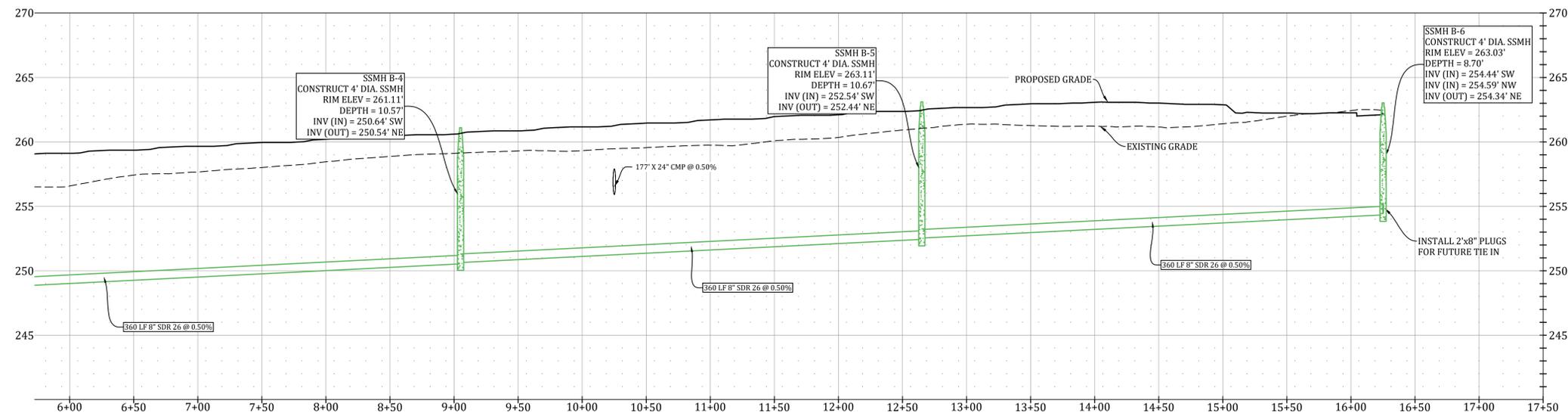
LEGEND

	CURB		STORM DRAIN INLET
	SIDEWALK		STORM DRAIN PIPE
	CORRIDOR CROSS SECTION LINE		SANITARY SEWER
	WATER LINE		SEWER MANHOLE
	WATER METER		SEWER WYE
	FIRE HYDRANT		SEWER STUB-OUT
	BLOW-OFF ASSEMBLY		EX. SEWER WYE
	GATE VALVE		EX. SEWER STUB-OUT

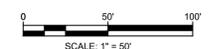
NOTE: SYMBOLS REPRESENTED IN LEGEND MAY NOT ALL BE INCLUDED ON THIS SHEET



YUKON DR SEWER PROFILE



VERTICAL SCALE 1:5
HORIZONTAL SCALE 1:50



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PROSPECT FARMS PHASE VI

SEWER PLAN



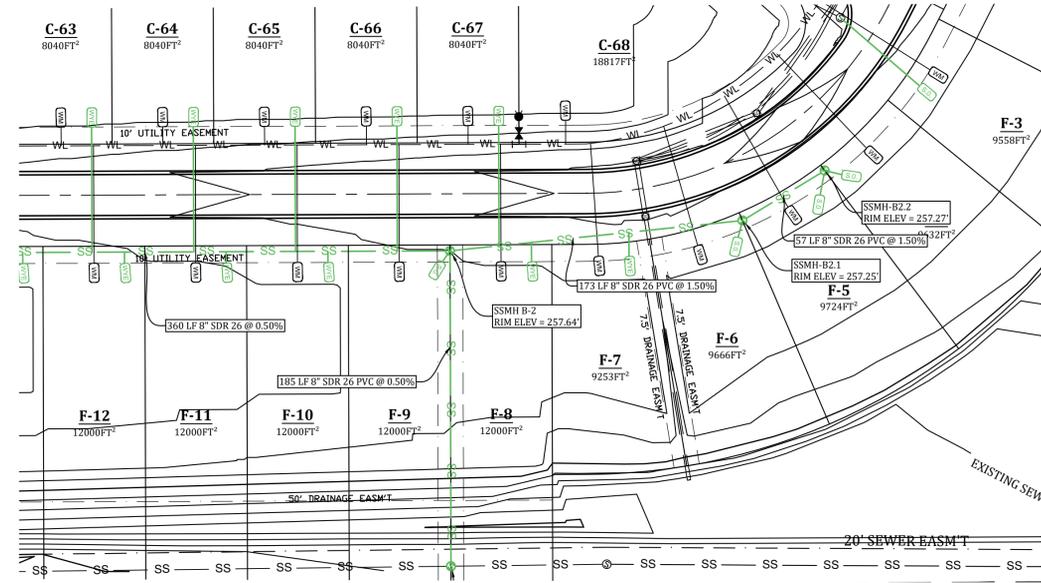
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DATE	BY	DESCRIPTION

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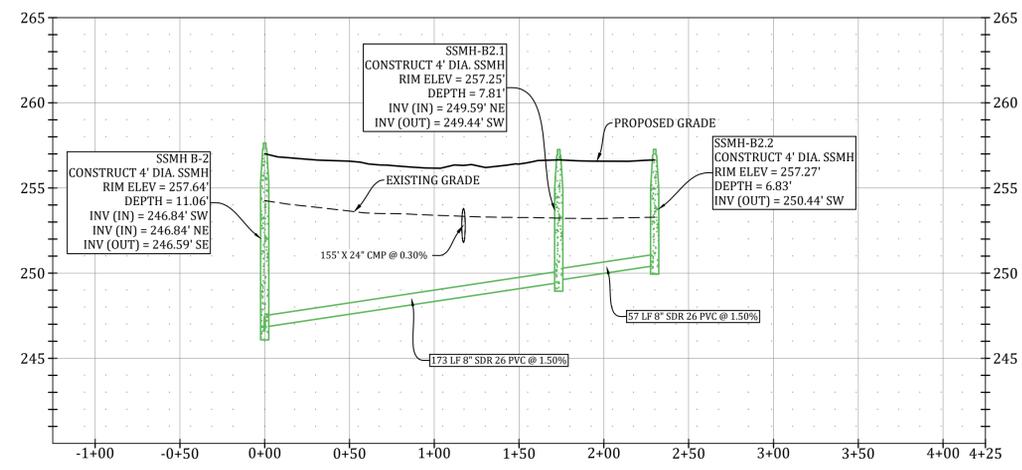
SHEET NUMBER:
SW-4

LEGEND			
	CURB		STORM DRAIN INLET
	SIDEWALK		STORM DRAIN PIPE
	CORRIDOR CROSS SECTION LINE		SANITARY SEWER
	WATER LINE		SEWER MANHOLE
	WATER METER		SEWER WYE
	FIRE HYDRANT		SEWER STUB-OUT
	BLOW-OFF ASSEMBLY		EX. SEWER WYE
	GATE VALVE		EX. SEWER STUB-OUT

NOTE: SYMBOLS REPRESENTED IN LEGEND MAY NOT ALL BE INCLUDED ON THIS SHEET



SEWER B2 PROFILE



VERTICAL SCALE 1:5
 HORIZONTAL SCALE 1:50

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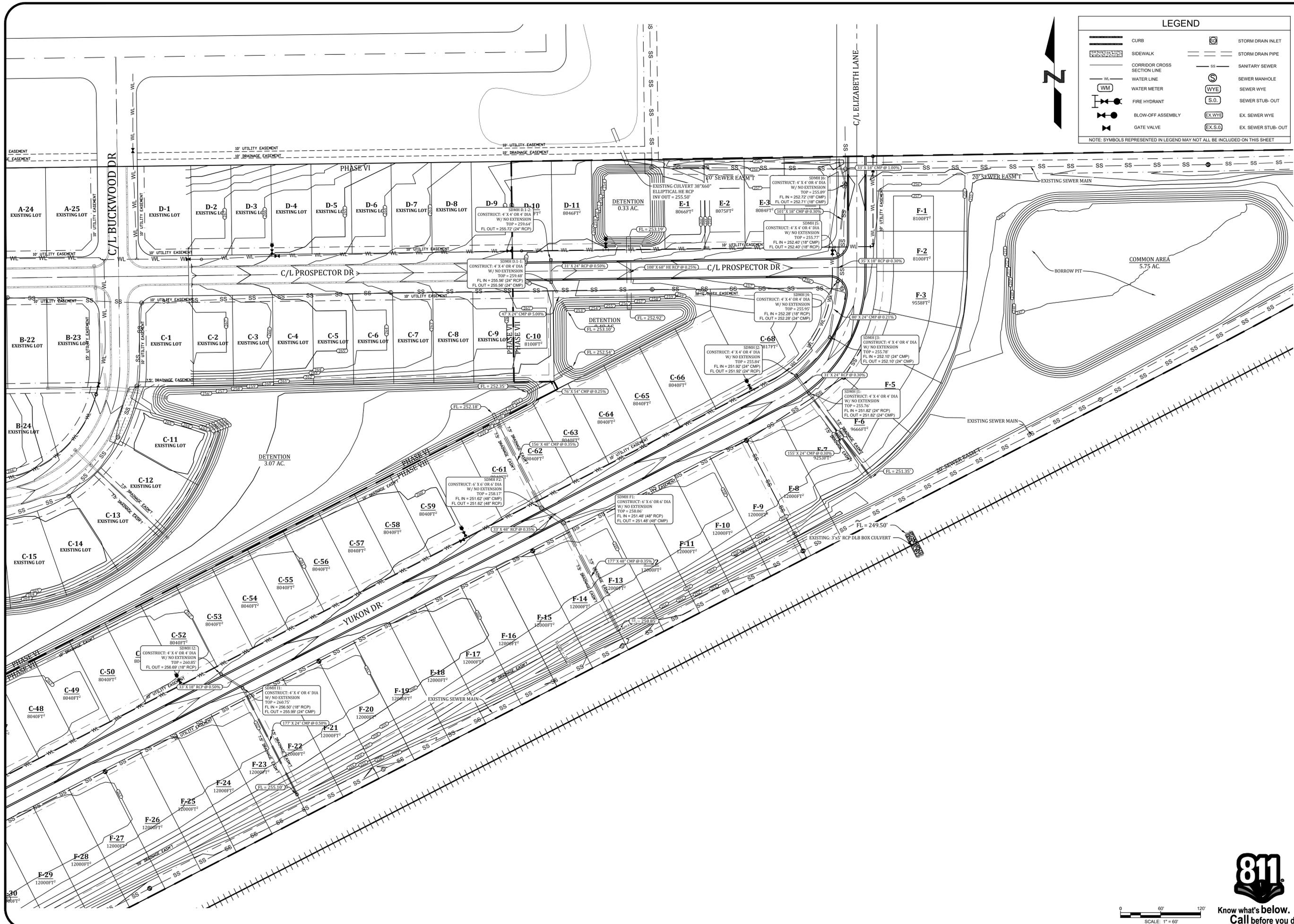
PROSPECT FARMS PHASE VI
 SEWER PLAN & PROFILE



REVISIONS		
DATE	BY	DESCRIPTION

DRAWING INFO.	
DRAWN BY:	GMD
DATE:	2/1/2021
SCALE:	1"=50'

SHEET NUMBER:
SW-5



LEGEND

	CURB		STORM DRAIN INLET
	SIDEWALK		STORM DRAIN PIPE
	CORRIDOR CROSS SECTION LINE		SANITARY SEWER
	WATER LINE		SEWER MANHOLE
	WATER METER		SEWER WYE
	FIRE HYDRANT		SEWER STUB-OUT
	BLOW-OFF ASSEMBLY		EX. SEWER WYE
	GATE VALVE		EX. SEWER STUB-OUT

NOTE: SYMBOLS REPRESENTED IN LEGEND MAY NOT ALL BE INCLUDED ON THIS SHEET

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PROSPECT FARMS PHASE VI
GRADING & DRAINAGE



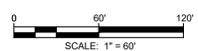
REVISIONS

DATE	BY	DESCRIPTION

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 SCALE: 1"=60'

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GR-1





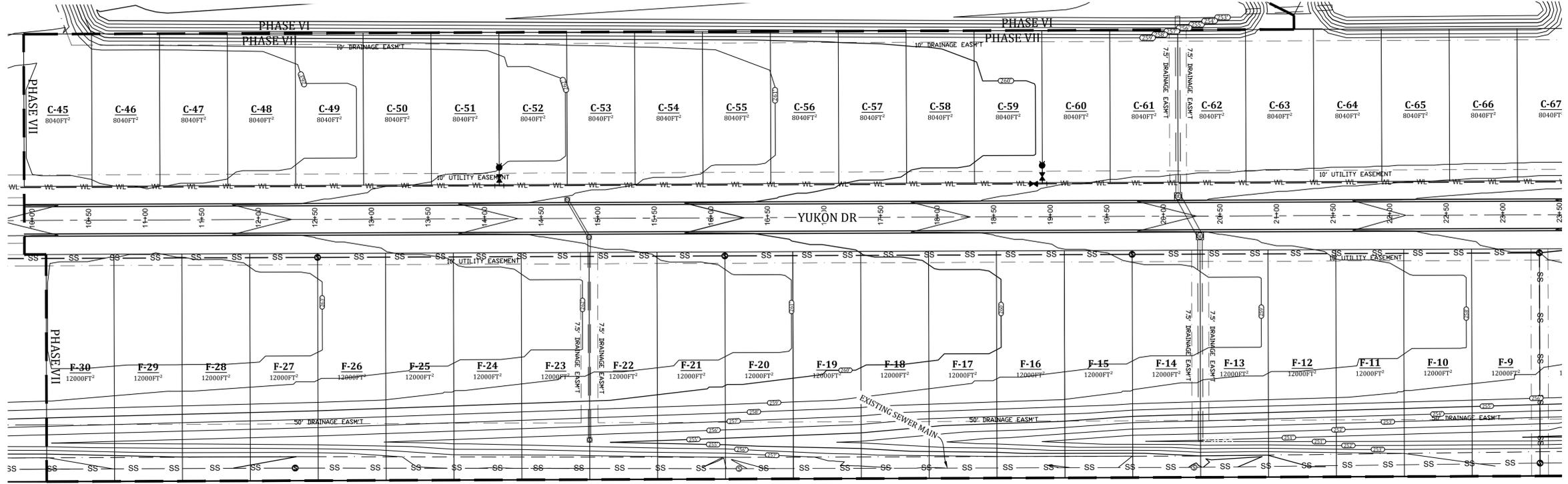
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DATE	BY	DESCRIPTION

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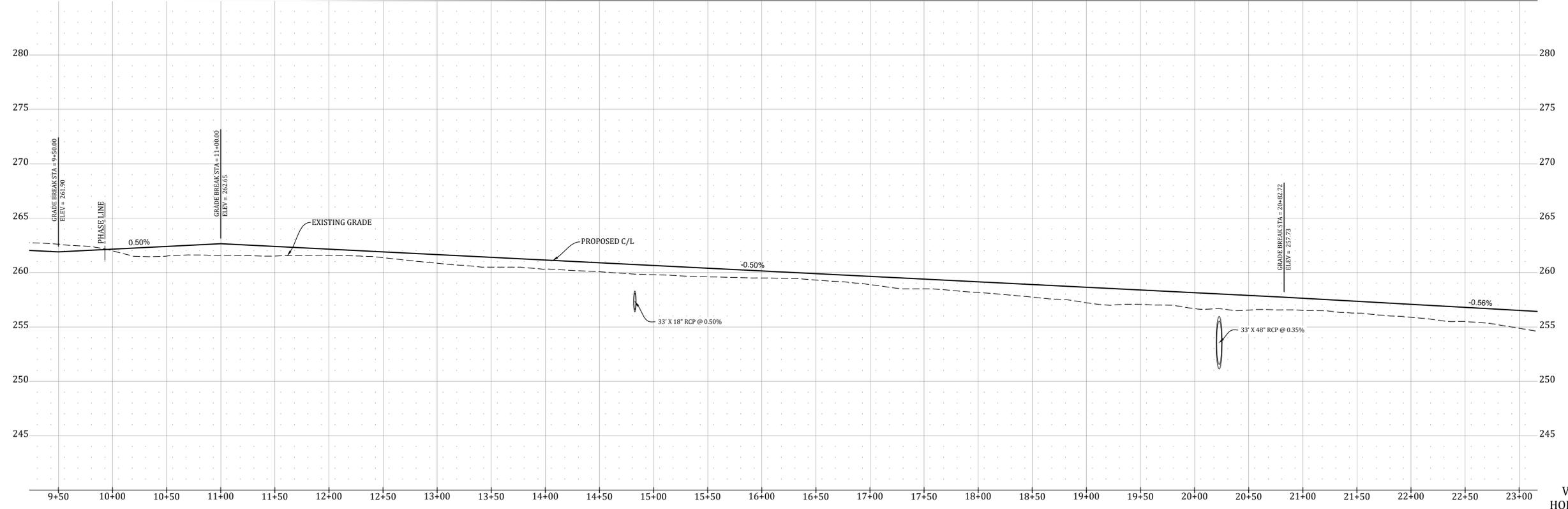
LEGEND

	CURB		STORM DRAIN INLET
	SIDEWALK		STORM DRAIN PIPE
	CORRIDOR CROSS SECTION LINE		SANITARY SEWER
	WATER LINE		SEWER MANHOLE
	WATER METER		SEWER WYE
	FIRE HYDRANT		SEWER STUB-OUT
	BLOW-OFF ASSEMBLY		EX. SEWER WYE
	GATE VALVE		EX. SEWER STUB-OUT

NOTE: SYMBOLS REPRESENTED IN LEGEND MAY NOT ALL BE INCLUDED ON THIS SHEET



YUKON DR STREET PROFILE

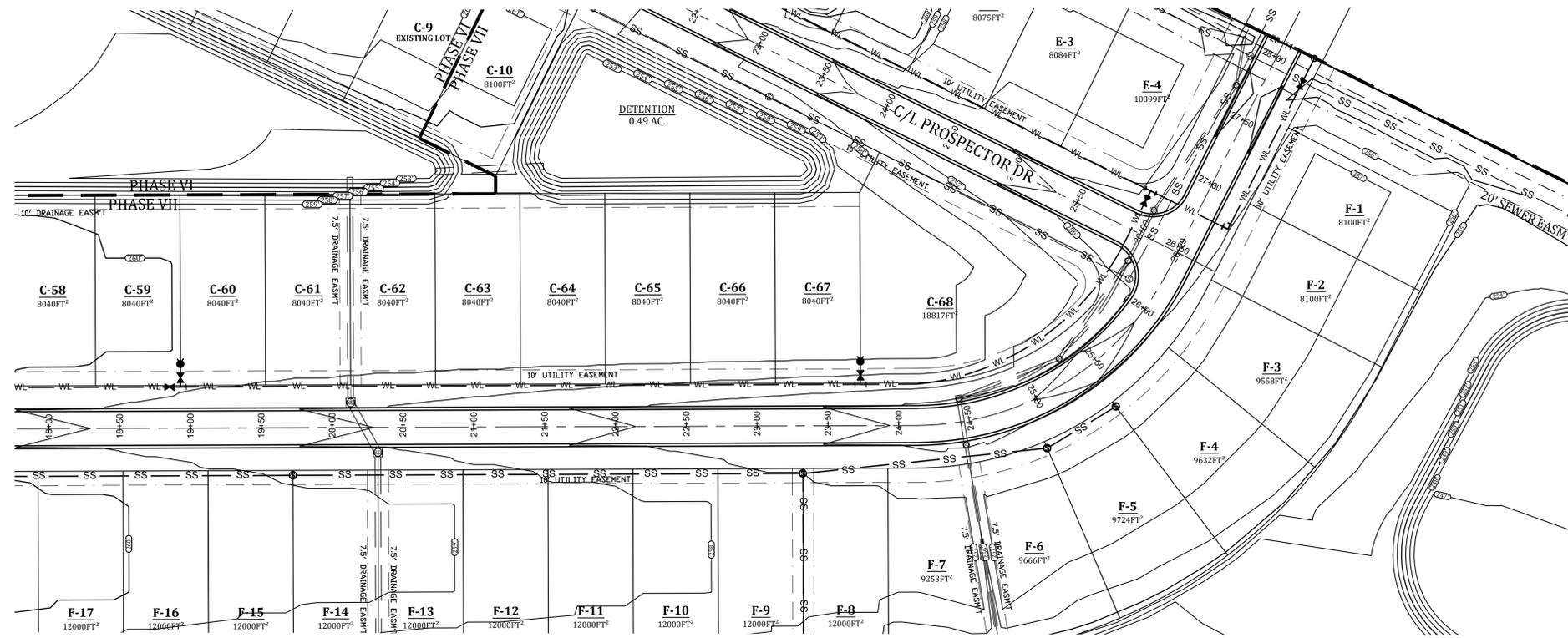


VERTICAL SCALE 1:5
 HORIZONTAL SCALE 1:50
 SCALE: 1" = 50'

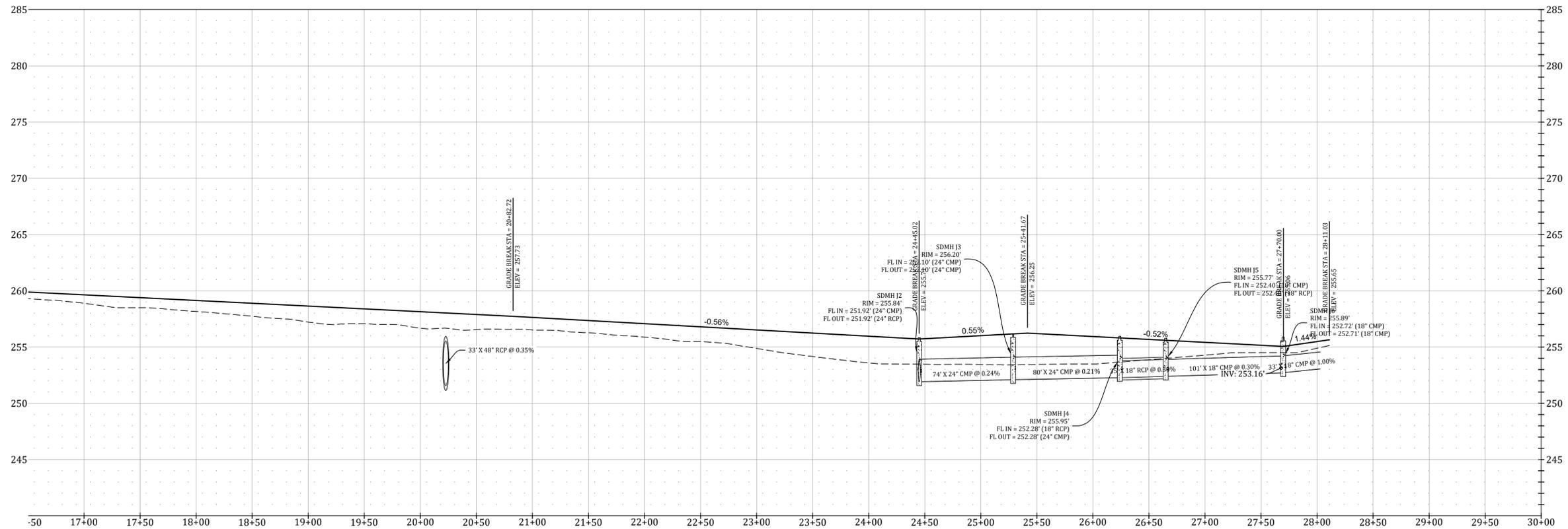
LEGEND

	CURB		STORM DRAIN INLET
	SIDEWALK		STORM DRAIN PIPE
	CORRIDOR CROSS SECTION LINE		SANITARY SEWER
	WATER LINE		SEWER MANHOLE
	WATER METER		SEWER WYE
	FIRE HYDRANT		SEWER STUB-OUT
	BLOW-OFF ASSEMBLY		EX. SEWER WYE
	GATE VALVE		EX. SEWER STUB-OUT

NOTE: SYMBOLS REPRESENTED IN LEGEND MAY NOT ALL BE INCLUDED ON THIS SHEET



YUKON DR STREET PROFILE



VERTICAL SCALE 1:5
 HORIZONTAL SCALE 1:50
 SCALE: 1" = 50'

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MARK MORRIS

PROSPECT FARMS PHASE VI
 STREET PLAN & PROFILE



REVISIONS

DATE	BY	DESCRIPTION

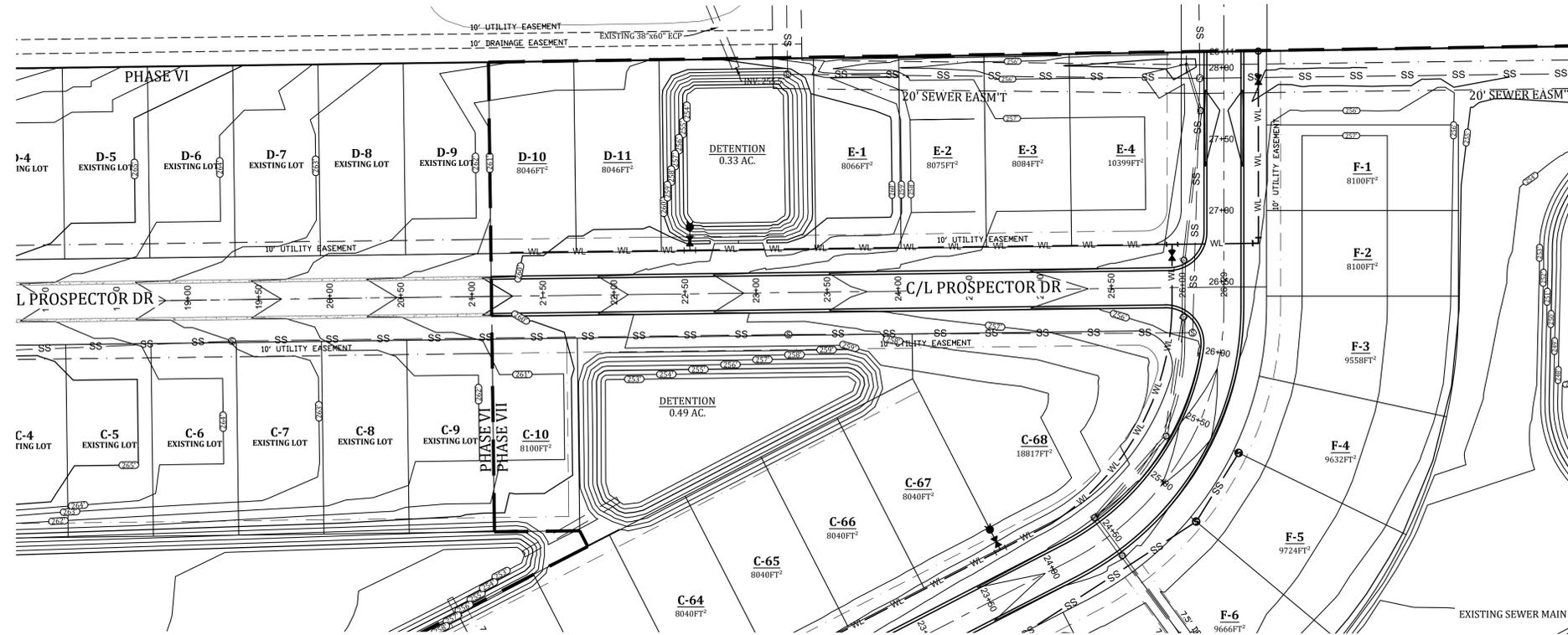
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SHEET NUMBER:
ST-2

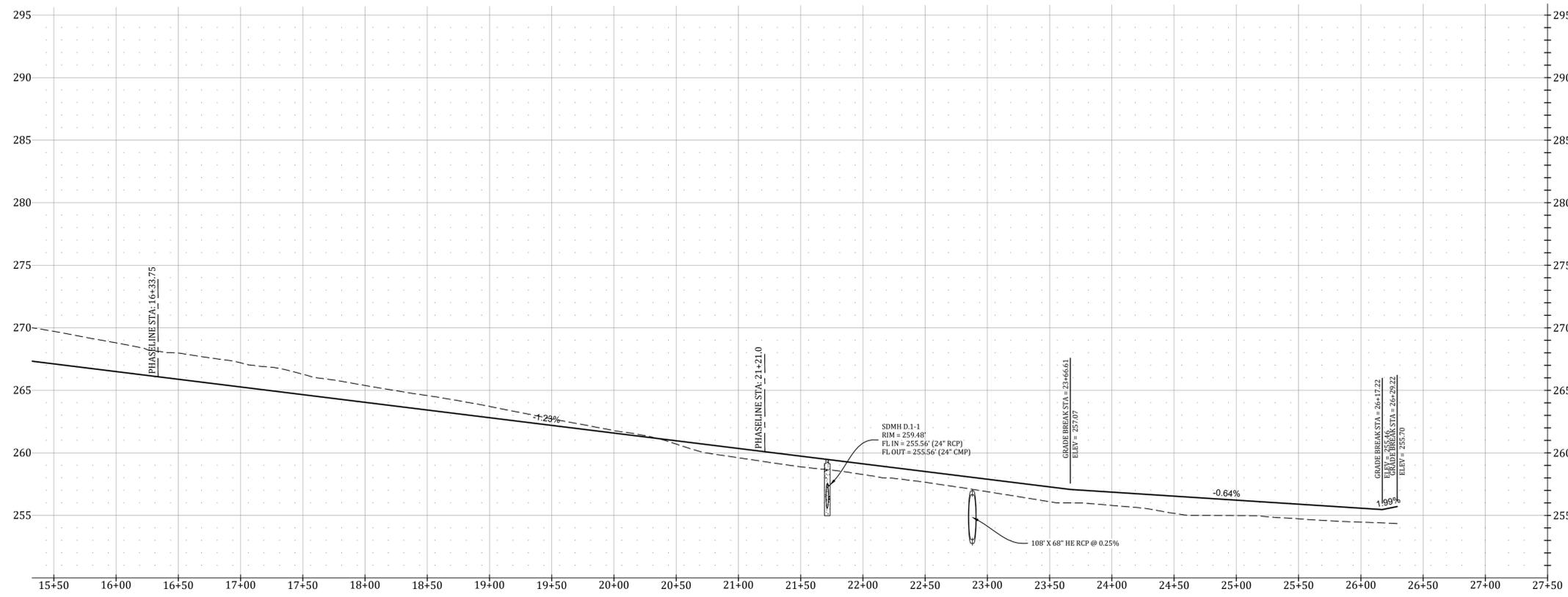
LEGEND

	CURB		STORM DRAIN INLET
	SIDEWALK		STORM DRAIN PIPE
	CORRIDOR CROSS SECTION LINE		SANITARY SEWER
	WATER LINE		SEWER MANHOLE
	WATER METER		SEWER WYE
	FIRE HYDRANT		SEWER STUB-OUT
	BLOW-OFF ASSEMBLY		EX. SEWER WYE
	GATE VALVE		EX. SEWER STUB-OUT

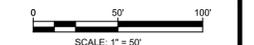
NOTE: SYMBOLS REPRESENTED IN LEGEND MAY NOT ALL BE INCLUDED ON THIS SHEET



PROSPECTOR DR STREET PROFILE



VERTICAL SCALE 1:5
HORIZONTAL SCALE 1:50



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PROSPECT FARMS PHASE VI

STREET PLAN & PROFILE

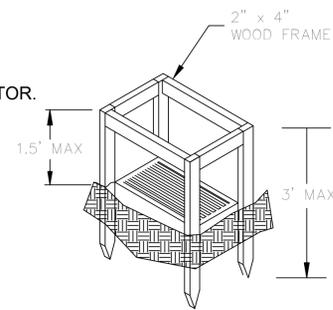


REVISIONS		
DATE	BY	DESCRIPTION

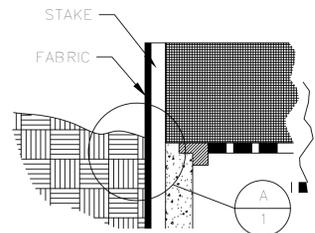
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SHEET NUMBER:
ST-3

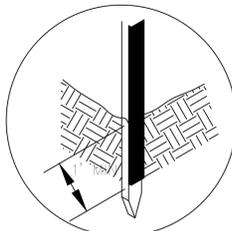
ALTERNATE INSTALLATION:
FIBER ROLLS (WATTLES) MAY BE
SUBSTITUTED TO PREVENT SITE
FLOODING FROM OCCURRING.
AS DEEMED NECESSARY BY CONTRACTOR.



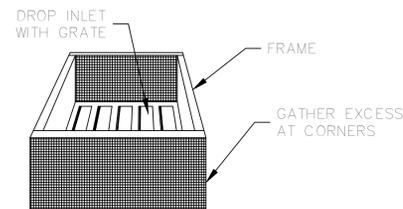
PERSPECTIVE VIEW



ELEVATION OF STAKE AND
FABRIC ORIENTATION



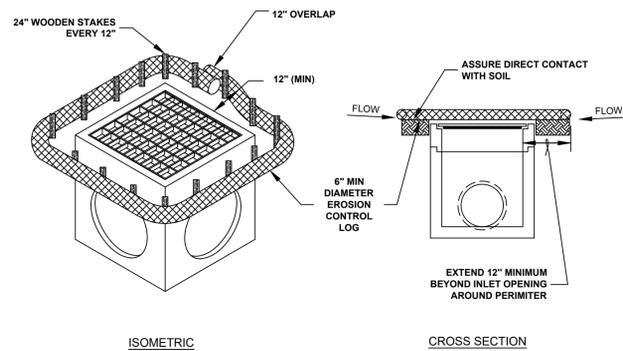
DETAIL A



PERSPECTIVE VIEW

FILTER FABRIC INLET PROTECTION

NOT TO SCALE



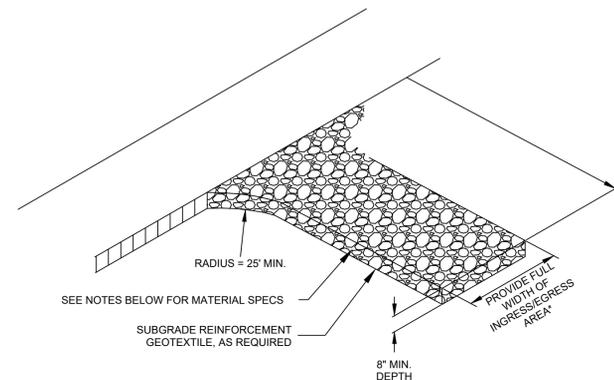
ISOMETRIC

CROSS SECTION

- NOTES:
- EROSION CONTROL LOG CONTAINMENT MESH SHALL BE 100% BIODEGRADABLE, PHOTODEGRADABLE OR RECYCLABLE; AND FILL MATERIAL SHALL CONSIST OF MULCH, ASPEN EXCELSIOR FIBERS, CHIPPED SITE VEGETATION, COCONUT FIBERS, 100% RECYCLABLE FIBERS, OR ANY OTHER ACCEPTABLE MATERIAL EXCLUDING STRAW AND HAY.
 - DAILY INSPECTION SHALL BE MADE BY THE CONTRACTOR AND SILT ACCUMULATION MUST BE REMOVED WHEN DEPTH REACHES 50% CAPACITY.
 - CONTRACTOR SHALL MONITOR THE PERFORMANCE OF INLET PROTECTION DURING EACH RAINFALL EVENT AND IMMEDIATELY CLEAN THE INLET PROTECTION IF EXCESSIVE PONDING OCCURS.
 - INLET PROTECTIONS SHALL BE REMOVED AS SOON AS THE SOURCE OF SEDIMENT IS STABILIZED.

FIBER ROLL (WATTLE) INLET PROTECTION

NOT TO SCALE



SEE NOTES BELOW FOR MATERIAL SPECS

SUBGRADE REINFORCEMENT
GEOTEXTILE, AS REQUIRED

8" MIN.
DEPTH

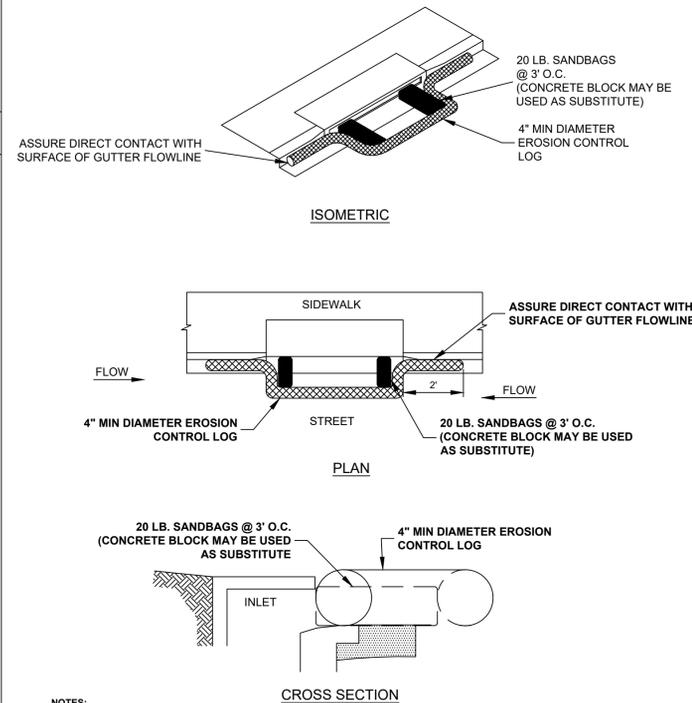
PROVIDE FULL
WIDTH OF
INCREASED
AREA

*20" MIN. FOR SINGLE FAMILY AND DUPLEX RESIDENTIAL

- NOTES:
- THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT.
 - WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
 - WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.
 - WHERE RUNOFF CONTAINING SEDIMENT-LADEN WATER IS LEAVING THE SITE VIA THE CONSTRUCTION ENTRANCE, OTHER MEASURES SHALL BE IMPLEMENTED TO DIVERT RUNOFF THROUGH AN APPROVED FILTERING SYSTEM.
 - DIMENSIONS:
SINGLE FAMILY AND DUPLEX
20' LONG BY 20' WIDE, 8" DEEP OF 3/4" MINUS CLEAN ROCK.
COMMERCIAL
50' LONG BY 20' WIDE, 3-6" DEEP CLEAN ROCK. GOVERNING AUTHORITY MAY REQUIRE GEOTEXTILE FABRIC TO PREVENT SUB-SOIL PUMPING.

CONSTRUCTION ENTRANCE

NOT TO SCALE



ISOMETRIC

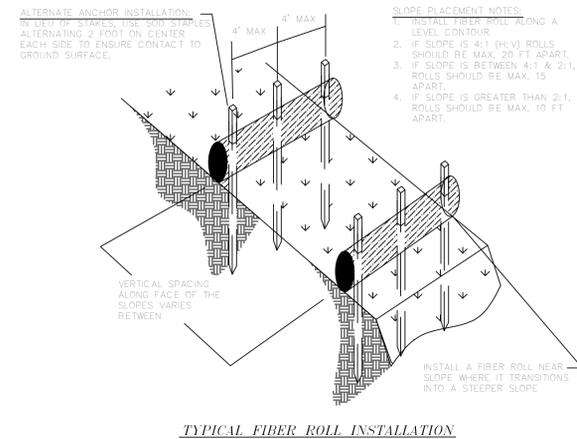
PLAN

CROSS SECTION

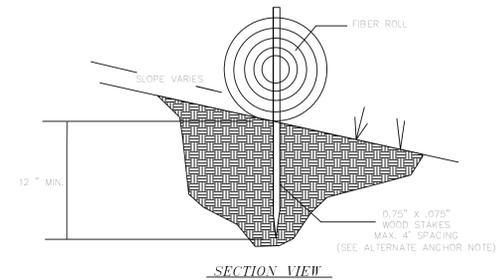
- NOTES:
- EROSION CONTROL LOG CONTAINMENT MESH SHALL BE 100% BIODEGRADABLE, PHOTODEGRADABLE OR RECYCLABLE; AND FILL MATERIAL SHALL CONSIST OF MULCH, ASPEN EXCELSIOR FIBERS, CHIPPED SITE VEGETATION, COCONUT FIBERS, 100% RECYCLABLE FIBERS, OR ANY OTHER ACCEPTABLE MATERIAL EXCLUDING STRAW AND HAY.
 - DAILY INSPECTION SHALL BE MADE BY THE CONTRACTOR AND SILT ACCUMULATION MUST BE REMOVED WHEN DEPTH REACHES 50% CAPACITY.
 - CONTRACTOR SHALL MONITOR THE PERFORMANCE OF INLET PROTECTION DURING EACH RAINFALL EVENT AND IMMEDIATELY REMOVE THE INLET PROTECTIONS IF THE STORM WATER BEGINS TO OVERTOP THE CURB.
 - INLET PROTECTIONS SHALL BE REMOVED AS SOON AS THE SOURCE OF SEDIMENT IS STABILIZED.

FIBER ROLL (WATTLE) CURB INLET PROTECTION

NOT TO SCALE



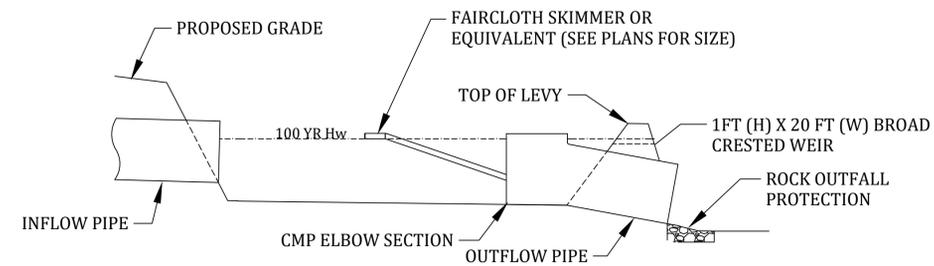
TYPICAL FIBER ROLL INSTALLATION



SECTION VIEW

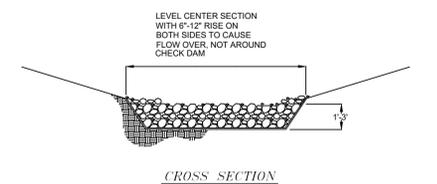
FIBER ROLLS AND WATTLES

NOT TO SCALE

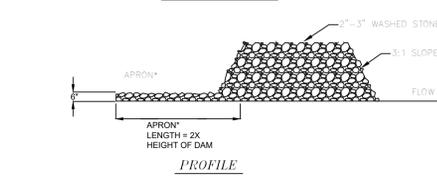


SEDIMENT BASIN w/ FAIRCLOTH SKIMMER

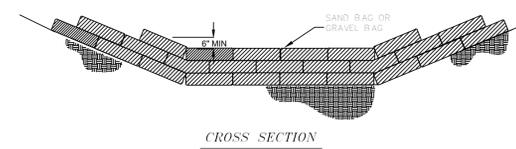
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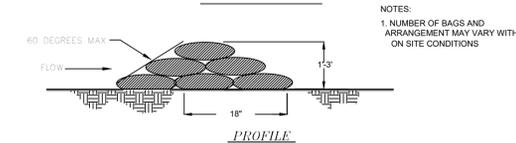
CROSS SECTION



PROFILE



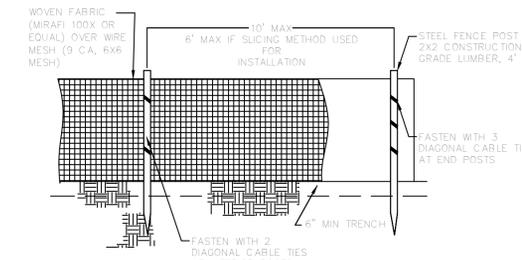
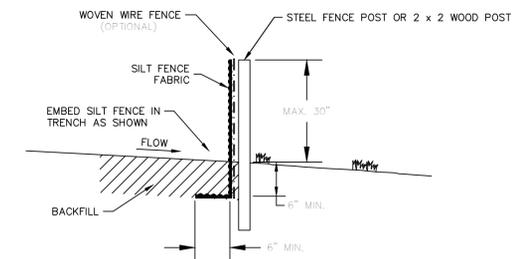
CROSS SECTION



PROFILE

NOTES:

1. NUMBER OF BAGS AND
ARRANGEMENT MAY VARY WITH
ON SITE CONDITIONS



- NOTES:
- PLACE SILT FENCE AT DOWNSLOPE LIMIT OF AREA TO BE GRADED.
 - SILT FENCE SHALL BE PLACED ALONG A LEVEL CONTOUR.
 - SEDIMENT TRAPPED BY THIS PRACTICE SHALL BE DISPOSED OF IN AN APPROVED SITE IN A MANNER THAT WILL NOT CONTRIBUTE TO ADDITIONAL SILTATION.
 - SILT FENCE SHOULD BE SECURELY FASTENED TO EACH SUPPORT POST OR TO WOVEN WIRE, WHICH IS IN TURN ATTACHED TO THE STEEL FENCE POSTS.
 - INSPECTION SHALL BE FREQUENT AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
 - SILT FENCE SHALL BE REMOVED WHEN IT HAS SERVED ITS USEFULNESS SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.
 - ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES 50% CAPACITY.
 - AT EACH END OF SILT FENCE, TURN FENCE UPSLOPE AND EXTEND UNTIL GROUND SURFACE RISES 18 INCHES.

SILT FENCE

NOT TO SCALE

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PROSPECT FARMS SUBDIVISION

EROSION CONTROL DETAILS



REVISIONS

DATE	BY	DESCRIPTION

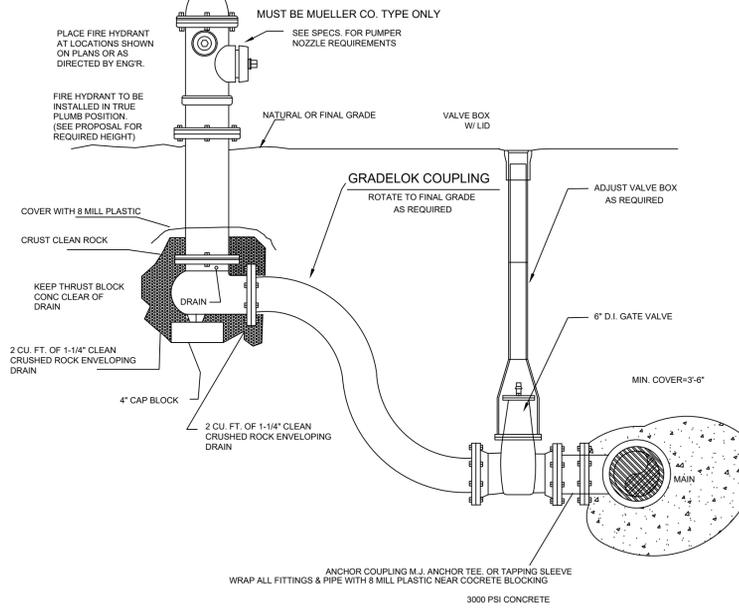
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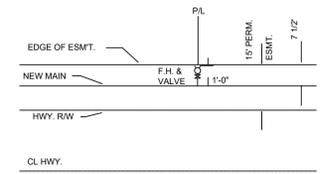
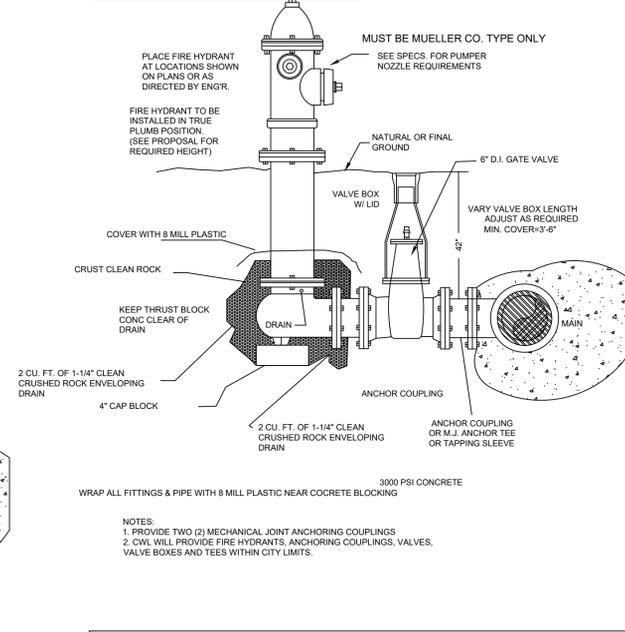
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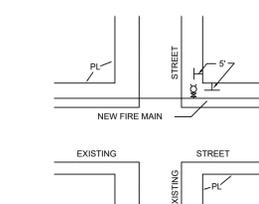
FIRE HYDRANT DETAIL WITH GRADELOK COUPLING



FIRE HYDRANT DETAIL WITH ANCHOR COUPLING



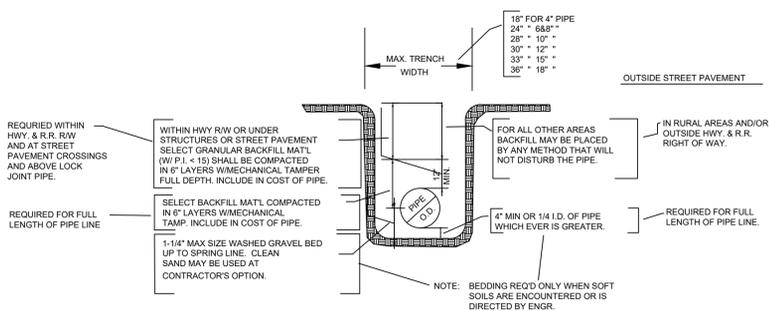
TYPICAL FIRE HYDRANT LOCATION ALONG HWY. RIGHT-OF-WAY



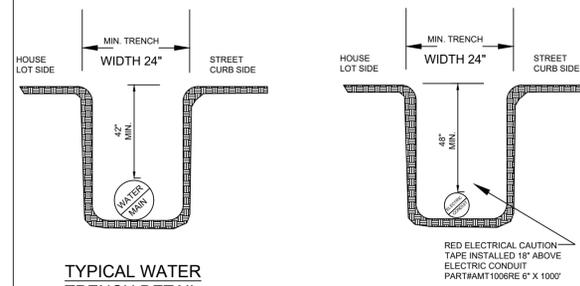
TYPICAL FIRE HYDRANT LOCATION

RADIUS OF CURVATURE FOR BENDING OF PIPE AROUND CURVES OR IN COVES SHALL NOT EXCEED THAT OF THE RECOMMENDATIONS OF THE PIPE MANUFACTURER OR REFER TO THE PVC PIPE HANDBOOK.

PIPE SIZE (inches)	LENGTH (feet)	MIN. BENDING RADIUS (feet)
(DR 21) 2"	20	60
(DR 21) 3"	20	60
(DR 18) 4"	20	100
(DR 18) 6"	20	144
(DR 18) 8"	20	189
(DR 18) 10"	20	231
(DR 18) 12"	20	275
(DR 35) 4"	12.5 or 21	54.9
(DR 35) 6"	12.5 or 21	81.6
(DR 35) 8"	12.5 or 22	109
(DR 35) 10"	12.5 or 23	137
(DR 35) 12"	12.5 or 24	163
(DR 35) 15"	12.5 or 25	199

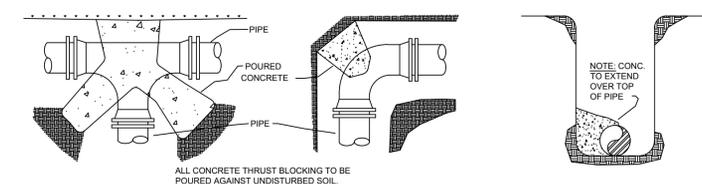


TYPICAL WATER PIPE BEDDING AND BACKFILL DETAIL



TYPICAL WATER TRENCH DETAIL

TYPICAL ELECTRIC TRENCH DETAIL



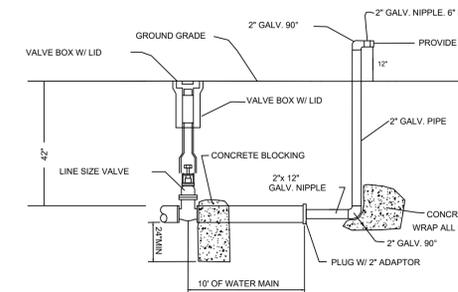
THRUST BLOCK DETAILS

- NOTES:
1. ALL BLOCKING SHALL BE AGAINST UNDISTURBED HAND DUG SOIL.
 2. WHERE SOIL CONDITIONS MAKE IT NECESSARY TO POUR CONCRETE BLOCKING OVER JOINTS, THE ENDS OF THE ADJACENT PIPES MUST HAVE A BRACE BLOCK TO RESIST MOVEMENT OF THESE JOINTS.
 3. ALL FITTINGS & PIPE SHALL BE COVERED WITH 8 MILL PLASTIC TO PREVENT BONDING OF CONCRETE.
 4. WHERE SHEAR IS HIGH PROPER REINFORCING MUST BE INSTALLED INTO THE BLOCKING AS DIRECTED BY ENGINEER.
 5. COVER SHALL BE A MINIMUM OF 3\"/>

WATERLINE PIPE BEND THRUST BLOCK AREA

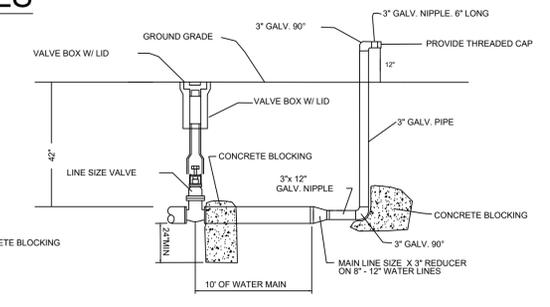
SIZE & BEND DEGREE	STATIC THRUST (LB)	BLOCKING AREA (FT ²)
4" - 22 1/2°	1103	1
4" - 45°	2164	2
4" - 90°/TEE/PLUG	3998	4
6" - 22 1/2°	2482	2.5
6" - 45°	4867	5
6" - 90°/TEE/PLUG	8997	9
8" - 22 1/2°	4413	4.5
8" - 45°	8656	8.5
8" - 90°/TEE/PLUG	15994	16

BLOW-OFF ASSEMBLY DETAILS



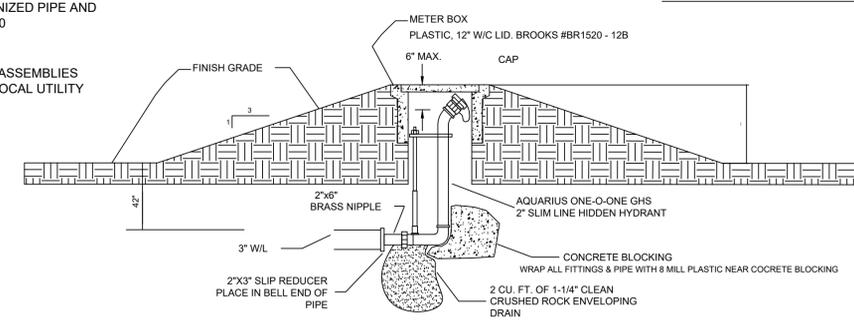
2" B.O. ASSEMBLY FOR 2" THRU 6" LINES WITH FUTURE EXPANSION

NOTE: ALL 2", OR 3" GALVANIZED PIPE AND FITTINGS ARE TO BE SCH 40



3" B.O. ASSEMBLY FOR 8" THRU 12" LINES WITH FUTURE EXPANSION

NOTE: OTHER BLOW-OFF ASSEMBLIES MUST BE APPROVED BY LOCAL UTILITY COMPANY

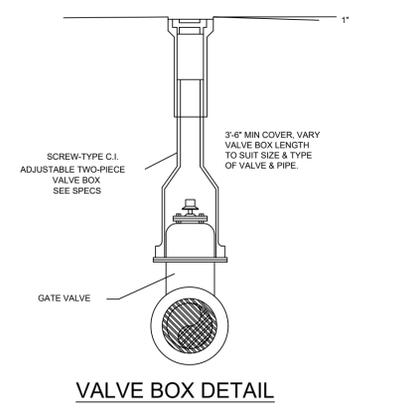


UNDERGROUND WASHOUT ASSEMBLY FOR COVES AND DEAD END LINES WITH NO FUTURE EXTENSION

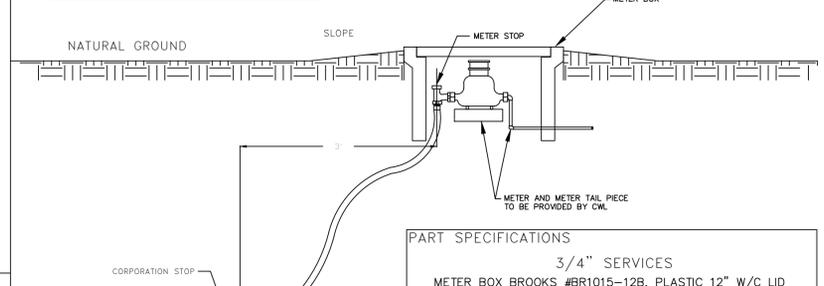
SERVICE CONNECTION AND METER SETTING

NOTE: ONLY 3/4" SERVICES TO BE USED OUTSIDE CITY LIMITS
NOTE: 1" SERVICES TO BE USE WHEN WATER PRESSURE IS BELOW 60 PSI

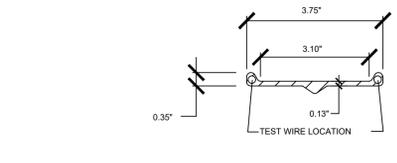
UNDERGROUND SERVICE LINE MINIMUM REQUIREMENTS CITY WATER AND LIGHT PLANT



VALVE BOX DETAIL



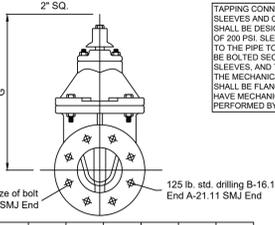
- PART SPECIFICATIONS**
- 3/4" SERVICES**
METER BOX BROOKS #BR1015-12B, PLASTIC 12" W/C LID
METER STOP 3/4" FORD BALL VALVE #BA-43-232WR CTS
CORP STOP 3/4" FORD #F1000 TAPER/CTS
COPPER 3/4" TYPE K
SADDLE FORDSTYLE #S70 + S90
- 1" SERVICES**
METER BOX BROOK #BR1520-12B, PLASTIC W/C LID
METER STOP 1" FORD BALL VALVE #BA-43-444W CTS
CORP STOP FORD #F1000 TAPER/CTS
COPPER 1" TYPE K
SADDLE FORD STYLE #S70 + S90



WATER LINE & FORCE MAIN MARKER DETAIL



WATER MAIN



TAPPING CONNECTIONS SHALL CONSIST OF TAPPING SLEEVES AND COMPANION TAPPING VALVES. THEY SHALL BE DESIGNED FOR WORKING WATER PRESSURE OF 200 PSI. SLEEVES SHALL BE FASTENED SECURELY TO THE PIPE TO BE TAPPED. TAPPING VALVES SHALL BE BOLTED SECURELY TO THE FLANGES OF THE SLEEVES, AND THE TAPPING MACHINE CONNECTED TO THE MECHANICAL JOINT END. THE INLET OPENINGS SHALL BE FLANGED AND THE OUTLET OPENINGS SHALL HAVE MECHANICAL JOINT ENDS. ALL TAPS WILL BE PERFORMED BY C.W.

No. & Size of bolt H-Flanged Ends J-SMU End

VALVE SIZE	A	B	C	D	E	F	G	H	J
4	9-1/4	4-1/4	2-5/8	9-1/2	9	15-1/8	14-3/4	8-3/4	4-3/4
6	10-1/4	5	2-5/8	11-1/2	11	1	19	8-3/4	6-3/4
8	11	5-1/4	2-5/8	13-3/4	13-1/2	1-1/8	20-1/2	8-3/4	8-3/4
10	12-1/2	6	2-5/8	15-3/4	15	1-5/8	22-1/2	8-3/4	8-3/4
12	13-1/2	6-1/2	2-5/8	18	18	1-1/4	30	12-7/8	8-3/4
9	8-1/4	4-1/4	2-5/8	7-3/4	7-7/8	3/4	12-3/8	4-3/8	4-3/4

TAPPING SLEEVE TAPPING VALVE DETAIL

PROSPECT FARMS SUBDIVISION

WATER DETAILS

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PH: 1-870-919-7700
MARK.B.MORRIS@YAHOO.COM



REVISIONS

DATE	BY	DESCRIPTION

DRAWING INFO.

DRAWN BY: _____
DATE: _____
SCALE: _____

SHEET NUMBER:
DT-2

