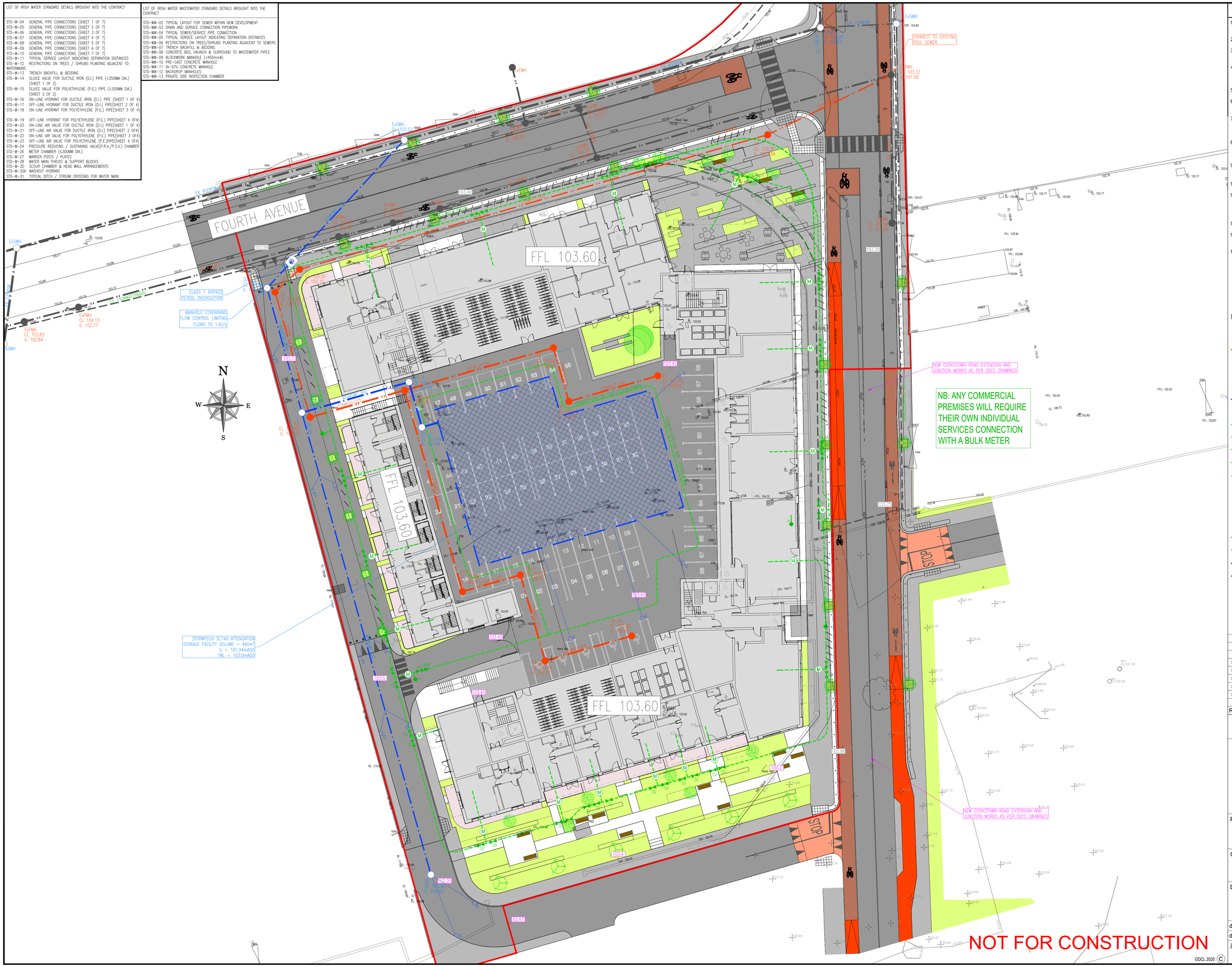
LIST OF IRISH WATER STANDARD DETAILS BROUGHT INTO THE CONTRACT

STD-W-04	GENERAL PIPE CONNECTIONS (SHEET 1 OF 7)
STD-W-05	GENERAL PIPE CONNECTIONS (SHEET 2 OF 7)
STD-W-06	GENERAL PIPE CONNECTIONS (SHEET 3 OF 7)
STD-W-07	GENERAL PIPE CONNECTIONS (SHEET 4 OF 7)
STD-W-08	GENERAL PIPE CONNECTIONS (SHEET 5 OF 7)
STD-W-09	GENERAL PIPE CONNECTIONS (SHEET 6 OF 7)
STD-W-10	GENERAL PIPE CONNECTIONS (SHEET 7 OF 7)
STD-W-11	TYPICAL SERVICE LAYOUT INDICATING SEPARATION DISTANCES
STD-W-12	RESTRICTIONS ON TREES / SHRUBS PLANTING ADJACENT TO WATERMAINS
STD-W-13	TRENCH BACKFILL & BEDDING
STD-W-14	SLUICE VALVE FOR DUCTILE IRON (D.I.) PIPE (<350MM DIA.) (SHEET 1 OF 2)
STD-W-15	SLUICE VALVE FOR POLYETHYLENE (P.E.) PIPE (<350MM DIA.) (SHEET 2 OF 2)
STD-W-16	ON-LINE HYDRANT FOR DUCTILE IRON (D.I.) PIPE (SHEET 1 OF 4)
STD-W-17	OFF-LINE HYDRANT FOR DUCTILE IRON (D.I.) PIPE(SHEET 2 OF 4)
STD-W-18	ON-LINE HYDRANT FOR POLYETHYLENE (P.E.) PIPE(SHEET 3 OF 4)
STD-W-19	OFF-LINE HYDRANT FOR POLYETHYLENE (P.E.) PIPE(SHEET 4 OF4)
STD-W-20	ON-LINE AIR VALVE FOR DUCTILE IRON (D.I.) PIPE(SHEET 1 OF 4)
STD-W-21	OFF-LINE AIR VALVE FOR DUCTILE IRON (D.I.) PIPE(SHEET 2 OF4)
STD-W-22	ON-LINE AIR VALVE FOR POLYETHYLENE (P.E.) PIPE(SHEET 3 OF4)
STD-W-23	OFF-LINE AIR VALVE FOR POLYETHYLENE (P.E.)PIPE(SHEET 4 OF4)
STD-W-24	PRESSURE REDUCING / SUSTAINING VALVE(P.R.V./P.S.V.) CHAMBER
STD-W-26	METER CHAMBER (≤300MM DIA.)
STD-W-27	MARKER POSTS / PLATES
STD-W-28	WATER MAIN THRUST & SUPPORT BLOCKS
STD-W-30	SCOUR CHAMBER & HEAD WALL ARRANGEMENTS
STD-W-30A	WASHOUT HYDRANT
STD-W-31	TYPICAL DITCH / STREAM CROSSING FOR WATER MAIN.

LIST OF IRISH WATER WASTEWATER STANDARD DETAILS BROUGHT INTO THE CONTRACT

STD-WW-02	TYPICAL LAYOUT FOR SEWER WITHIN NEW DEVELOPMENT
STD-WW-03	DRAIN AND SERVICE CONNECTION PIPEWORK
STD-WW-04	TYPICAL SEWER/SERVICE PIPE CONNECTION
STD-WW-05	TYPICAL SERVICE LAYOUT INDICATING SEPARATION DISTANCES
STD-WW-06	RESTRICTIONS ON TREES/SHRUBS PLANTING ADJACENT TO SEWERS
STD-WW-07	TRENCH BACKFILL & BEDDING
STD-WW-08	CONCRETE BED, HAUNCH & SURROUND TO WASTEWATER PIPES
STD-WW-09	BLOCKWORK MANHOLE (<450mm⌀)
STD-WW-10	PRE-CAST CONCRETE MANHOLE
STD-WW-11	IN-SITU CONCRETE MANHOLE
STD-WW-12	BACKDROP MANHOLES
STD-WW-13	PRIVATE SIDE INSPECTION CHAMBER



NOTES

1. ALL DRAWINGS TO BE CHECKED BY CONTRACTOR ON SITE AND ENGINEER INFORMED OF DISCREPANCIES BEFORE WORK COMMENCES
2. ALL LEVELS ARE IN METRES AND ARE RELATED TO ORDNANCE DATUM
3. CONTRACTOR SHALL SATISFY HIMSELF AS TO THE ACCURACY OF PAVEMENT LEVELS ON SITE PRIOR TO COMMENCEMENT OF WORKS ON SITE
4. ALL SURFACE WATER DRAINAGE WORKS TO BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE LOCAL AUTHORITY'S CODE OF PRACTICE FOR DRAINAGE AND THE GDSDS
5. ALL SURFACE WATER SEWERS TO BE CLASS H CONCRETE TO EN1916 & IS 6 2004.
6. ALL FOUL DRAINAGE WORKS TO BE IN ACCORDANCE WITH IRISH WATERS' CODE OF PRACTICE FOR WASTEWATER SUPPLY AND WASTEWATER INFRASTRUCTURE STANDARD DETAILS.
7. FOUL SEWERS TO BE THERMOPLASTIC STRUCTURED WALL PIPES (COMPLYING WITH THE PROVISION OF IS EN 13476 AND WIS 4-35-01 2000) AND COMPLY WITH THE REQUIREMENTS OF THE IRISH WATER CODE OF PRACTICE
8. WATERMAIN INSTALLATION AND ALL WATER SUPPLY WORKS TO BE IN ACCORDANCE WITH THE REQUIREMENTS OF IRISH WATER'S CODE OF PRACTICE FOR WATER SUPPLY AND WATER INFRASTRUCTURE STANDARD DETAILS
9. WATERMAINS TO BE TYPE HPPE, PE-100, SDR-17 RATED AND SHALL CONFORM TO IS EN 12201 (PART 1, PART 2 & PART 3).
10. WATERMAIN SERVICE CONNECTION PIPES TO BE HDPE (PE-80) MATERIAL WITH SDR-17 RATING
11. ANCHOR BLOCKS TO BE POSITIONED AT DEAD ENDS, TEES, BENDS AND AT EACH SIDE OF HYDRANTS AND VALVES IN ACCORDANCE WITH THE REQUIREMENTS OF IRISH WATER STANDARD DETAIL STD-W-28 (WATER MAIN THRUST AND SUPPORT BLOCKS.
12. HYDRANT OUTLET TO BE 200mm BELOW GROUND LEVEL UNLESS REQUESTED OTHERWISE.
13. WHERE COVER TO PIPE IS LESS THAN 900mm IN GREEN AREAS AND 1200mm IN TRAFFICKED AREAS, ENCASE PIPE IN NEW 150mm CONCRETE WITH MOVEMENT JOINTS.
14. RISING MAIN TO BE POLYETHYLENE PIPE AND FITTINGS FOR WASTEWATER SHALL COMPLY WITH THE REQUIREMENTS OF IS EN 12201.

LEGEND

- PROPOSED FOUL MANHOLE
- PROPOSED FOUL SEWER
- PROPOSED FOUL DOWNPIPE WITH RODDING EYE
- PROPOSED SURFACE WATER MANHOLE
- PROPOSED SURFACE WATER SEWER
- PROPOSED SURFACE WATER DOWNPIPE WITH RODDING EYE
- PROPOSED HPPE(PE100 SDR 17) WATERMAIN
- SLUICE VALVES AS PER IRISH WATER STANDARD DETAIL STD-W-14/15
- HYDRANTS AS PER IRISH WATER STANDARD DETAIL STD-W-16/18
- AIR VALVE AS PER IRISH WATER STANDARD DETAIL STD-W-20/22
- SCOUR VALVE AS PER IRISH WATER STANDARD DETAIL STD-W-30
- METER CHAMBER AS PER IRISH WATER STANDARD STD-W-26
- PROPOSED BOUNDARY BOX AND HDPE SERVICE CONNECTION (PE80 SDR 17)
- EXISTING SPOT/ROAD LEVEL
- PROPOSED ROAD/SPOT LEVEL
- EXISTING FOUL SEWER
- EXISTING SURFACE WATER SEWER
- EXISTING WATERMAIN DIVERTED
- EXISTING WATERMAIN

Rev	Date	Description	By	Chk
P5	01/10/20	PLANNING (ABP)	PTC	GD
P4	09/10/19	PLANNING (ABP)	SM	GD
P3	17/09/19	ISSUED TO IRISH WATER	SM	GD
P2	16/09/19	ISSUED TO IRISH WATER	SM	GD
P1	13/09/19	ISSUED TO IRISH WATER	SM	GD
P	21/08/19	LAYOUT / SCHEME REVISED	PTC	GD

PLANNING

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PROJECT
Cookstown Cross, Fourth Avenue
Cookstown Industrial Estate

CLIENT
Steelworks Property Developments Limited

DRAWING TITLE
Site Services Layout

drn. by: PTC	date: JUL 16	scale: 1:250
drawing size: A1	chk: TM	app: GD
job no: P-1606	drg. no: P-1606-C-101	rev: P5

NOT FOR CONSTRUCTION