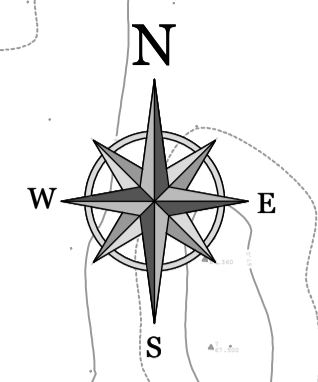
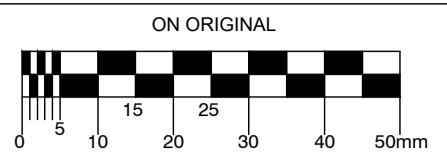


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NOTES:
GENERAL NOTES:
 1. ALL WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE WORKS REQUIREMENTS.
 2. ALL DIMENSIONS IN METRES UNLESS SPECIFIED OTHERWISE.
 3. ALL CO-ORDINATES ARE TO IRISH TRANSVERSE MERCATOR.
 4. ALL LEVELS ARE TO ORDNANCE DATUM (M.A.H. HEAD).
 5. ALL TEMPORARY TRAFFIC & OPERATIONS MANAGEMENT SHALL COMPLY FULLY WITH THE WORKS REQUIREMENTS.
 6. THE CONTRACTOR MUST LIAISE DIRECTLY WITH LOCAL AUTHORITY DEPARTMENTS AS DIRECTED IN THE WORKS REQUIREMENTS.
 7. ALL VEHICULAR & PEDESTRIAN CYCLE & PRIVATE ACCESS ROUTES WITHIN AND SURROUNDING THE WORKS EXTENTS MUST BE MAINTAINED THROUGHOUT THE WORKS IN ACCORDANCE WITH THE CONTRACTORS APPROVED TEMPORARY TRAFFIC & OPERATIONS MANAGEMENT PLAN.
DRAWING SPECIFIC NOTES:
 1. 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.
 2. WATERMANS (AND SERVICE CONNECTIONS) TO BE PE-100 SDR-17 AND SHALL CONFORM TO IS EN 12201 (PART 1, PART 2 & PART 3).
 3. AT 90 DEG. TURNS USE 2 No. 45 DEG. BENDS.
 4. COVER TO WATERMAIN TO BE 900mm.
 5. CONNECTION BETWEEN EXISTING AND PROPOSED WATERMANS TO BE CARRIED OUT IN ACCORDANCE WITH IRISH WATER STANDARD DETAILS STD-W-03 TO STD-W-10.
 6. 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).
 7. HYDRANT OUTLET TO BE 200mm BELOW GROUND LEVEL UNLESS REQUESTED OTHERWISE. HYDRANTS SHALL NOT BE CLOSER THAN 5m TO A PROPOSED OR EXISTING STRUCTURE AND WATERMAIN SHALL NOT BE LAID WITHIN 3M OF PROPOSED OR EXISTING STRUCTURE.
 8. 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.
 9. NOTE THAT THE CONTRACTOR IS RESPONSIBLE FOR CONNECTIONS INTO THE BUILDING.
 10. CONNECTION TO INDIVIDUAL HOUSES IN ACCORDANCE WITH IRISH WATER STD-W-03.
 11. CONTRACTOR SHALL SATISFY THEMSELVES AS TO THE ACCURACY OF EXISTING SERVICES INFORMATION AND THE LOCATION OF EXISTING SERVICES ON SITE PRIOR TO COMMENCING INSTALLATION OF WATERMANS.
 12. INSTALLATION OF SLUICE VALVES AND HYDRANTS SHALL BE IN ACCORDANCE WITH IRISH WATER'S STANDARD DETAILS STD-W-14 TO STD-W-19. AIR VALVE AND HYDRANT COVERS WHERE LOCATED IN GRASS AREAS, SHALL BE SURROUNDED BY A CONCRETE PLINTH, 200MM ALL ROUND AND 100MM DEEP, FORMED WITH C20/25 CONCRETE, 20mm AGGREGATE SIZE AND BEDDED IN CLASS B84 MATERIAL, THE PLINTH.
 13. MARKER POSTS AND PLATES ARE TO BE PROVIDED IN ACCORDANCE WITH IRISH WATER STANDARD DETAIL STD-W-27.
 14. CONNECTION TO EXISTING WATERMANS TO BE COORDINATED BY THE CONTRACTOR WITH IRISH WATER AND/OR THE LOCAL AUTHORITY.
 15. CONTRACTOR TO LIAISE WITH IRISH WATER AND / OR THE LOCAL AUTHORITY AS REQUIRED REGARDING CLEANSING AND STERILISATION OF WATERMANS.
 16. METERS FOR APARTMENTS OR SIMILAR PROPERTIES WILL BE INSTALLED INTERNALLY WITHIN THE PREMISES IN ACCORDANCE WITH THE BUILDING AUTHORITY AND SUBJECT TO REVIEW BY IRISH WATER.

LEGEND:

- SITE BOUNDARY
- OWNERSHIP BOUNDARY
- EX WATERMAIN — SV — EXISTING WATERMAIN
- SV — SCOUR VALVE AS PER IRISH WATER STD-W-30A
- SV — SLUICE VALVE AS PER IRISH WATER STD-W-15
- H — HYDRANT AS PER IRISH WATER STD-W-18
- PROPOSED 150mm WATERMAIN
- PROPOSED 200mm WATERMAIN
- AV — AIR VALVE AS PER IRISH WATER STD-W-22
- M — WATER METER AS PER IRISH WATER STD-W-26
- B — BOUNDARY BOX & CONNECTION AS PER STD-W-03

REV	DATE	DESCRIPTION	BY	CHKD
D	14-09-21	FOR SHD APPLICATION	JVS	BK
C	16-07-21	REVISED LAYOUT	JVS	BK
B	19-02-21	FOR PLANNING	JVS	BK
A	23/07/20	CDS ISSUE	GMC	ED

PLANNING			
DESIGNED	BK	PREPARED	BC
DATE	AUG 2019	CHECKED	DJR

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PROJECT
LANDS AT CLONMINCH, TULLAMORE, CO OFFALY

DRG. TITLE			
WATERMAIN LAYOUT			
CLIENT			
STEINFORT INVESTMENTS FUND			
SCALE	1:1000 @A1	FILE REF.	180002-3003
DRG. NO.	180002-3003		D

- LIST OF IRISH WATER STANDARD DETAILS BROUGHT INTO THE CONTRACT
- STD-W-01 WATER SERVICE CONNECTION RESPONSIBILITY
 - STD-W-03 CUSTOMER CONNECTION AND BOUNDARY BOX (25mm OD PIPE)
 - 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 WATERMANS
 - 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-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 OF 4)
 - STD-W-26 METER CHAMBER (<300MM DIA.)
 - STD-W-27 MARKER POSTS / PLATES
 - STD-W-28 WATER MAIN THRUST & SUPPORT BLOCKS
 - STD-W-35 PIPE REPAIR TO EXISTING MAINS
 - STD-W-36 TELEMETRY AND WET KIOSK

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