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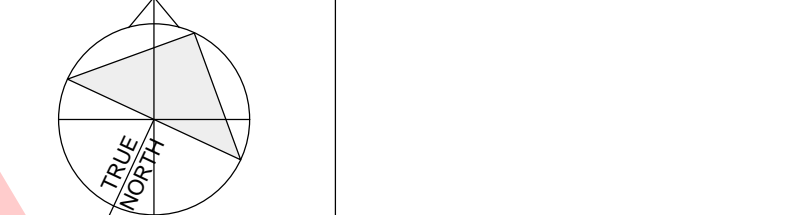
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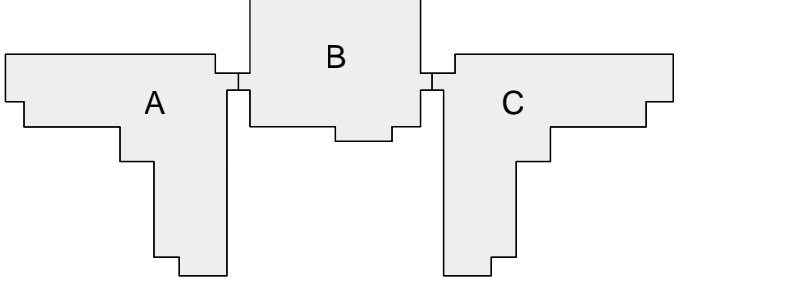
NORTH ARROW: DIGITAL REFERENCE:



PROJECT NO: 224243 CONTRACT NO:

DRAWN BY: NM CHECKED BY: CM APPROVED BY: TC

KEY PLAN:



3 2023-10-23 ISSUED FOR REVIEW
2 2023-08-10 ISSUED FOR DEVELOPMENT AGREEMENT
1 2023-08-02 ISSUED FOR REVIEW (PRELIMINARY)
NO DATE ISSUED

PROJECT

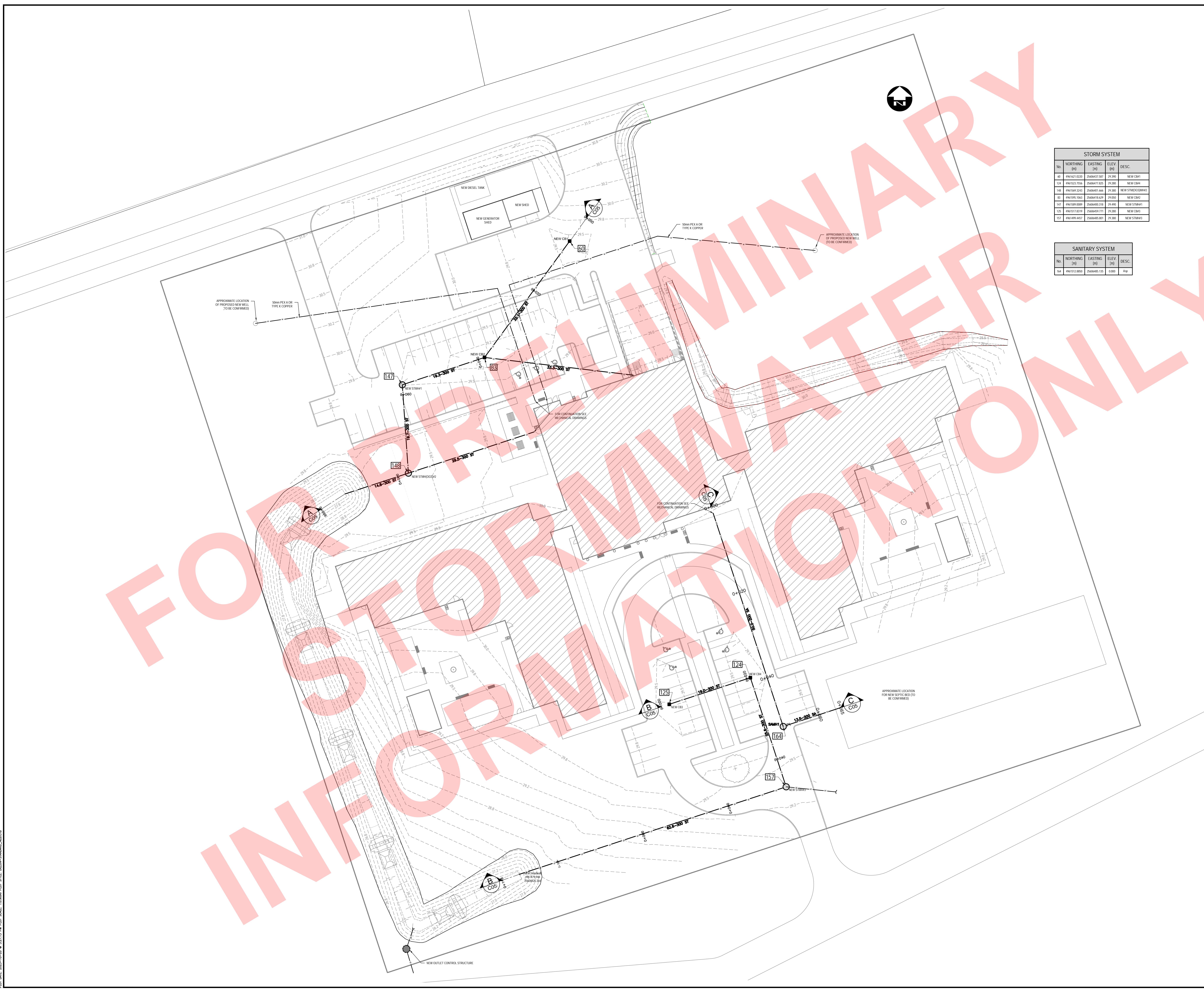
**THE BIRCHES NURSING
HOME REPLACEMENT
FACILITY**

DRAWING TITLE

SITE SERVICES PLAN

DRAWING NO: **C-03**

PRINT DATE





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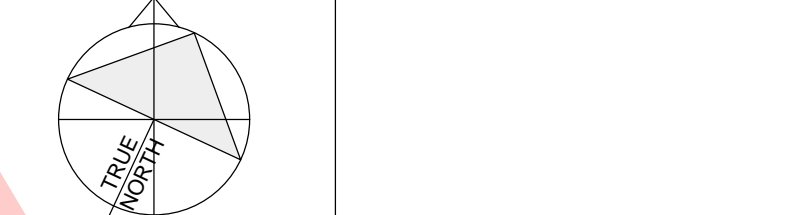
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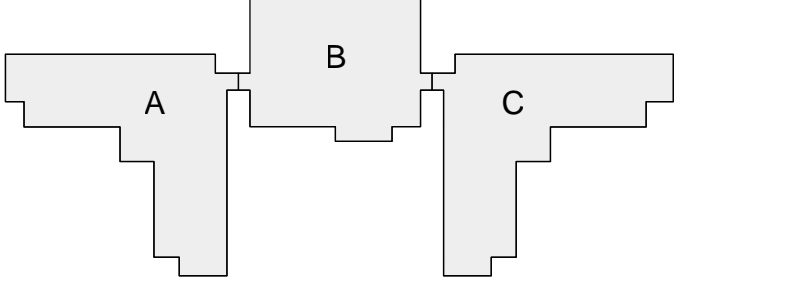
NORTH ARROW: DIGITAL REFERENCE



PROJECT NO. 224243 CONTRACT NO.

DRAWN BY: MB CHECKED BY: DM APPROVED BY: TC

REPLAN:



3 2023-10-23 ISSUED FOR REVIEW
2 2023-08-10 ISSUED FOR DEVELOPMENT AGREEMENT
1 2023-08-02 ISSUED FOR REVIEW (PRELIMINARY)
NO DATE: BASED

THE BIRCHES NURSING HOME REPLACEMENT FACILITY

DRAWING TITLE

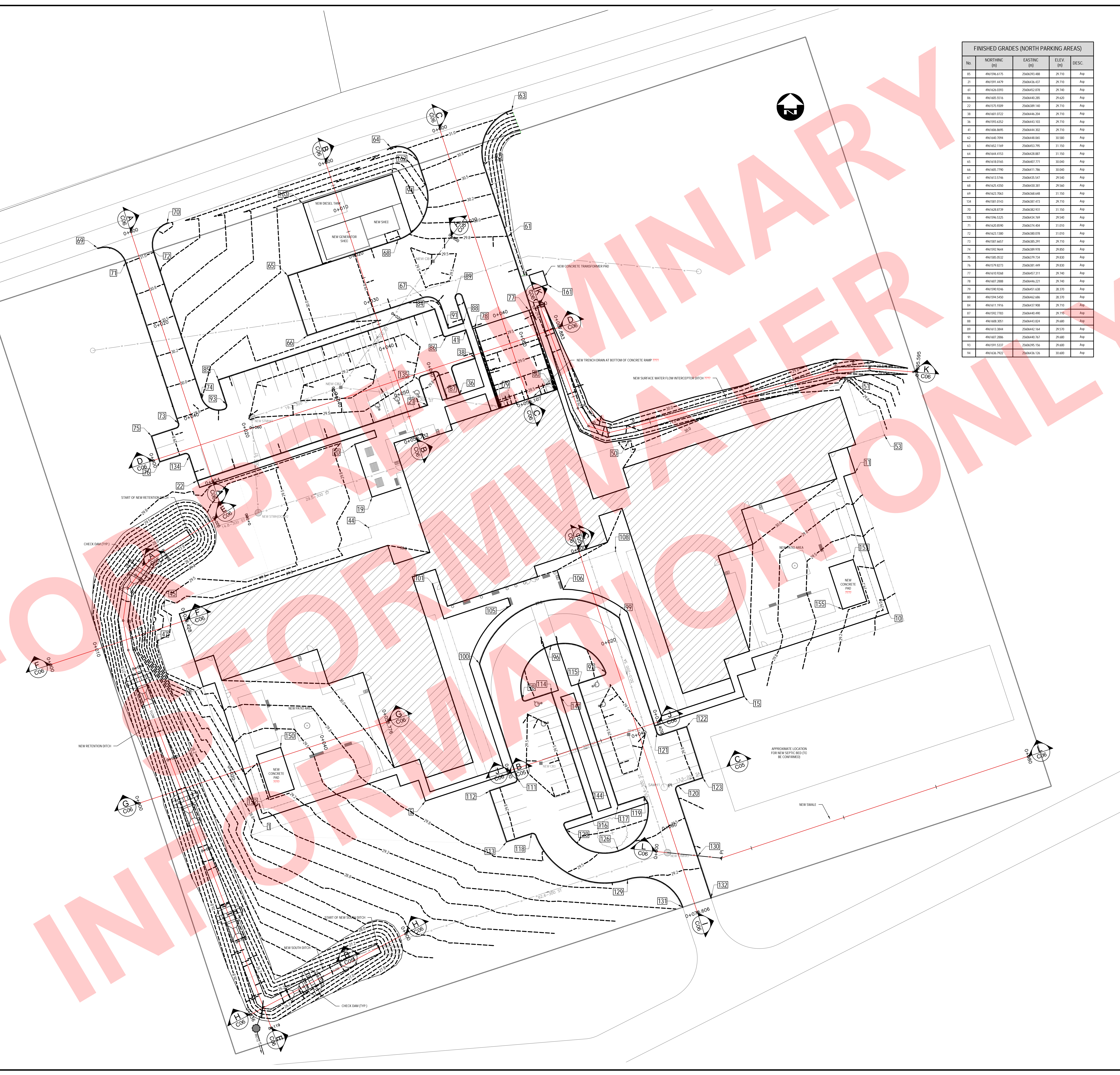
SITE GRADING PLAN

DRAWING NO. **C-04**

FINISHED GRADES (NORTH PARKING AREAS)				
No.	NORTHING (m)	EASTING (m)	ELEV (m)	DESC.
85	496196.6375	2560375.488	29.710	Asp
21	496191.4478	2560456.417	29.710	Asp
81	496163.0393	2560462.878	29.740	Asp
86	496165.5516	2560462.285	29.620	Asp
12	496173.9329	2560389.140	29.710	Asp
18	496167.0722	2560466.204	29.710	Asp
16	496193.6252	2560443.103	29.710	Asp
41	496166.8895	2560446.302	29.710	Asp
42	496169.3594	2560448.560	30.000	Asp
43	496163.1189	2560462.795	31.150	Asp
44	496164.4153	2560428.887	31.150	Asp
45	496162.0165	2560471.771	30.000	Asp
46	496162.7790	2560411.786	30.000	Asp
47	496163.5246	2560426.547	29.540	Asp
48	496162.4260	2560430.381	29.660	Asp
49	496162.7363	2560368.448	31.150	Asp
134	496181.0143	2560307.473	29.710	Asp
70	496162.8739	2560302.931	31.150	Asp
108	496194.5325	2560434.769	29.540	Asp
11	496162.8590	2560374.404	31.010	Asp
12	496162.1380	2560380.078	31.010	Asp
73	496187.6667	2560352.291	29.710	Asp
74	496192.9644	2560389.978	29.800	Asp
75	496193.0522	2560379.734	29.830	Asp
18	496193.6257	2560389.449	29.800	Asp
17	496193.5968	2560471.311	29.740	Asp
18	496187.2888	2560446.127	29.740	Asp
79	496194.9246	2560451.638	28.370	Asp
80	496194.2460	2560462.686	28.370	Asp
84	496161.1916	2560457.908	29.710	Asp
87	496192.7383	2560465.490	29.710	Asp
88	496166.3051	2560445.824	29.680	Asp
89	496163.3844	2560460.164	29.570	Asp
91	496187.2886	2560460.767	29.680	Asp
10	496191.5317	2560395.156	29.600	Asp
14	496163.7622	2560436.136	30.000	Asp

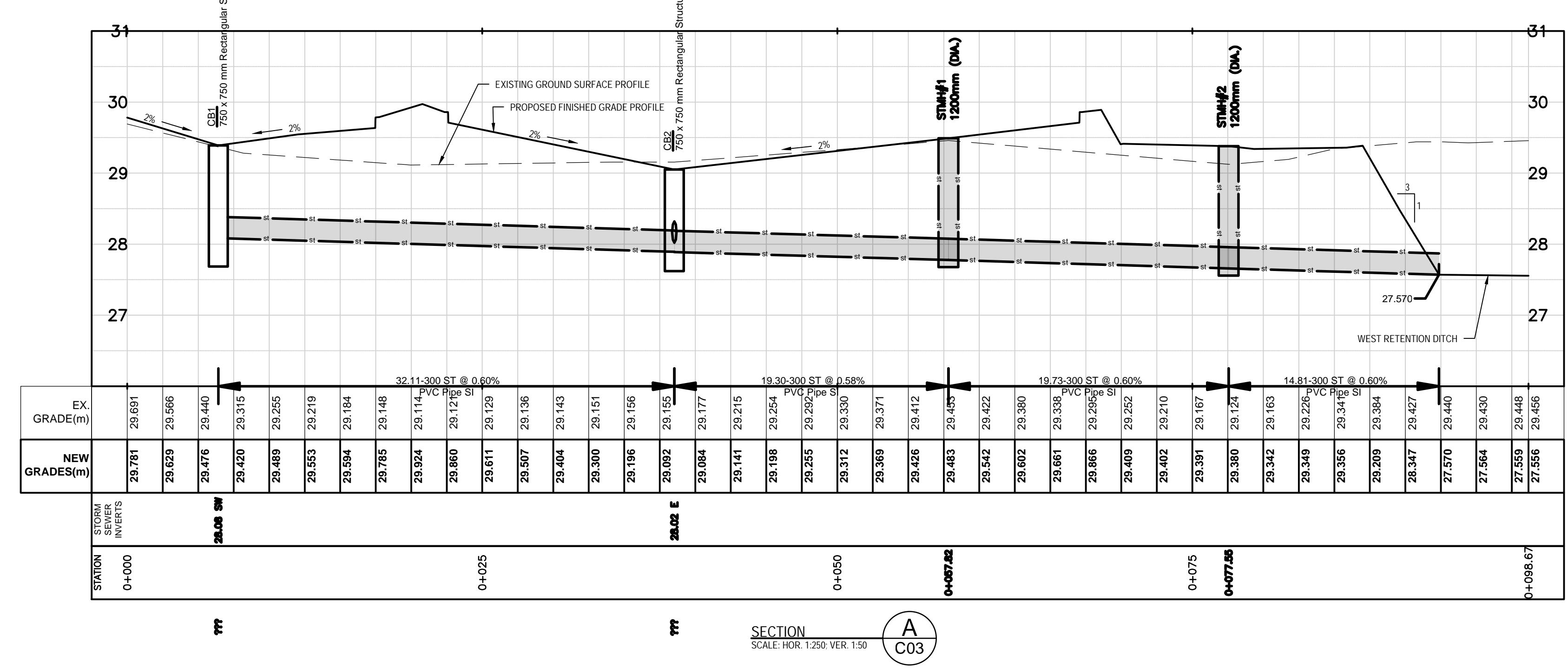
FINISHED GRADES (SOUTH PARKING AREAS)				
No.	NORTHING (m)	EASTING (m)	ELEV (m)	DESC.
96	4961642.0375	2560460.828	29.600	Asp
97	4961638.4960	2560471.175	29.550	Asp
102	4961690.2271	2560453.576	29.450	Asp
98	4961633.6624	2560465.989	29.520	Asp
106	4961633.5546	2560462.787	29.520	Asp
99	4961647.6761	2560475.870	29.700	Asp
100	4961638.2611	2560447.175	29.700	Asp
111	4961614.3966	2560464.876	29.670	Asp
112	4961613.1352	2560449.264	29.700	Asp
113	4961615.1133	2560452.766	29.700	Asp
114	4961612.3006	2560461.900	29.670	Asp
115	4961611.1687	2560467.641	29.670	Asp
116	4961617.4188	2560470.131	29.670	Asp
117	4961619.2270	2560475.645	29.670	Asp
118	4961615.3863	2560467.844	29.670	Asp
119	4961615.9730	2560480.766	29.670	Asp
120	4961611.1940	2560483.973	29.670	Asp
121	4961618.1071	2560485.403	29.670	Asp
122	4961612.5268	2560489.725	29.700	Asp
123	4961614.8617	2560472.759	29.700	Asp
126	4961619.1796	2560475.693	29.620	Asp
128	4961616.3363	2560464.923	29.670	Asp
129	4961613.9747	2560477.595	29.300	Asp
130	4961618.6622	2560491.945	29.300	Asp
131	4961688.2281	2560488.922	29.120	Asp
132	4961618.1308	2560474.751	29.120	Asp
141	4961613.4000	2560463.843	29.800	Asp
144	4961618.7048	2560474.220	29.820	Asp

FINISHED GRADES (YARD AREAS)				
No.	NORTHING (m)	EASTING (m)	ELEV (m)	DESC.
1	4961633.5866	2560390.333	29.920	FC
2	4961706.2636	2560401.948	28.900	FC
3	4961630.0636	2560436.027	29.910	FC
10	4961660.9933	2560401.781	29.900	FC
11	4961632.5386	2560425.548	29.890	FC
11	4961637.5824	2560434.421	29.920	FC
13	4961633.5684	2560401.562	29.910	FC
20	4961665.2963	2560421.484	29.840	FC
41	4961766.2633	2560421.379	29.950	FC
90	4961661.4208	2560475.124	29.950	FC
42	4961660.1443	2560432.270	29.910	FC
111	4961614.9768	2560401.021	29.880	FC
20	4961663.8533	2560477.626	29.960	FC
11	4961616.2818	2560402.886	29.910	FC
53	4961665.2823	2560401.424	29.880	FC
101	4961654.7204	2560437.476	29.910	FC
90	4961621.0883	2560460.299	29.300	FC
162	4961630.8739	2560464.112	29.300	FC
163	4961630.9788	2560465.949	29.200	FC
164	4961649.4957	2560452.822	29.200	FC
161	4961616.2332	2560461.112	29.900	FC
162	4961630.4181	2560429.182	30.000	FC
163	4961632.8871	2560433.832	30.000	FC

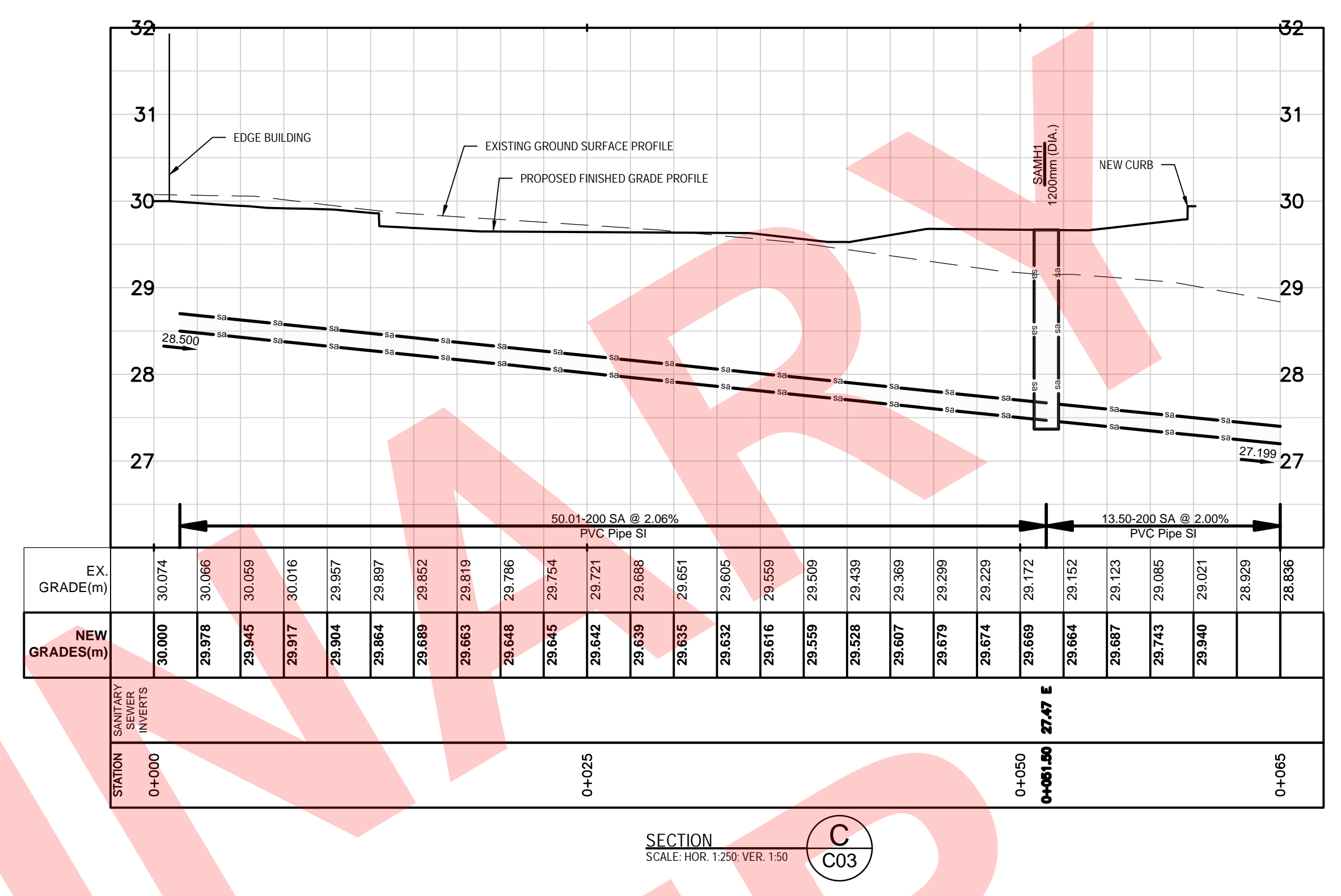


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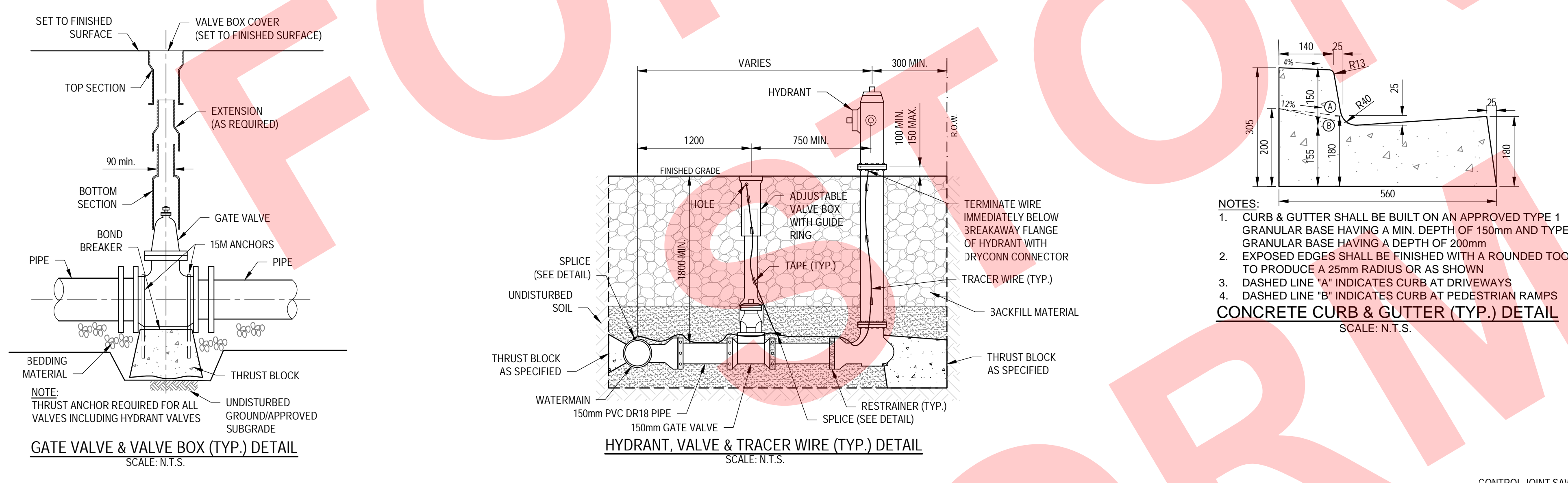
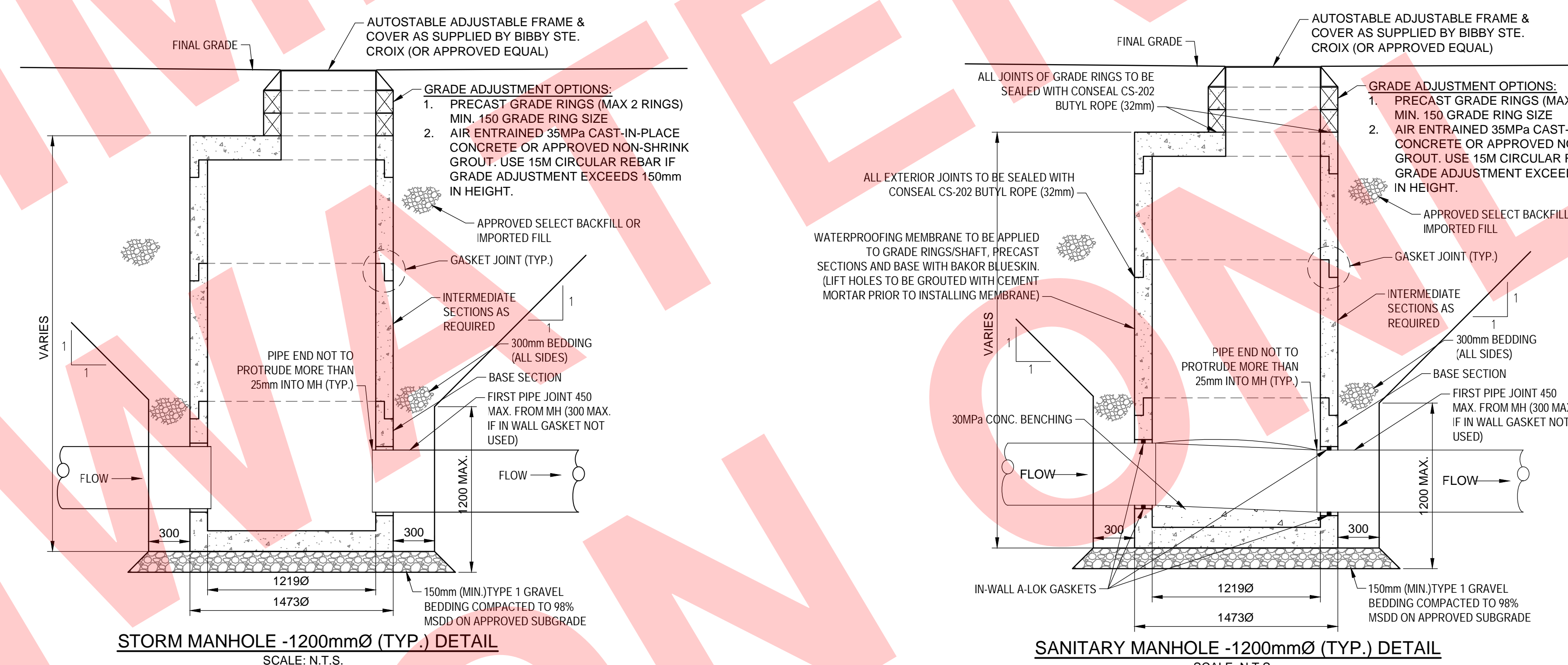
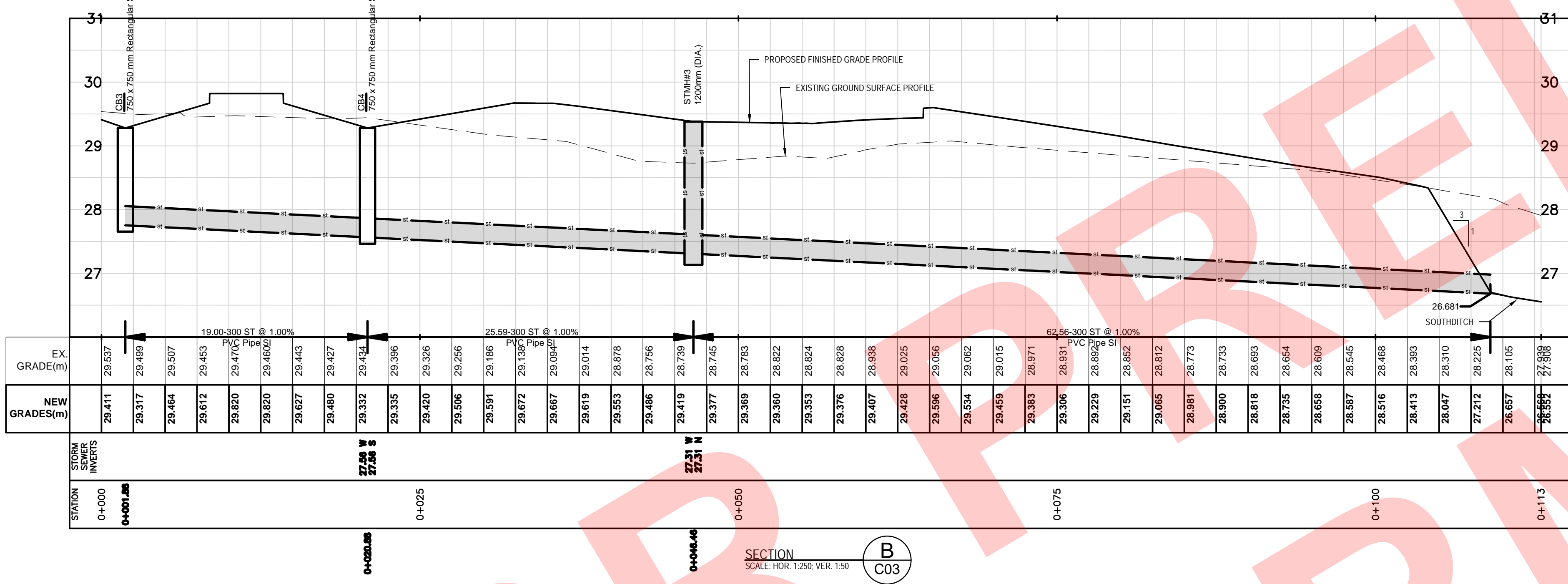
STORM SYSTEM NORTH BUILDING



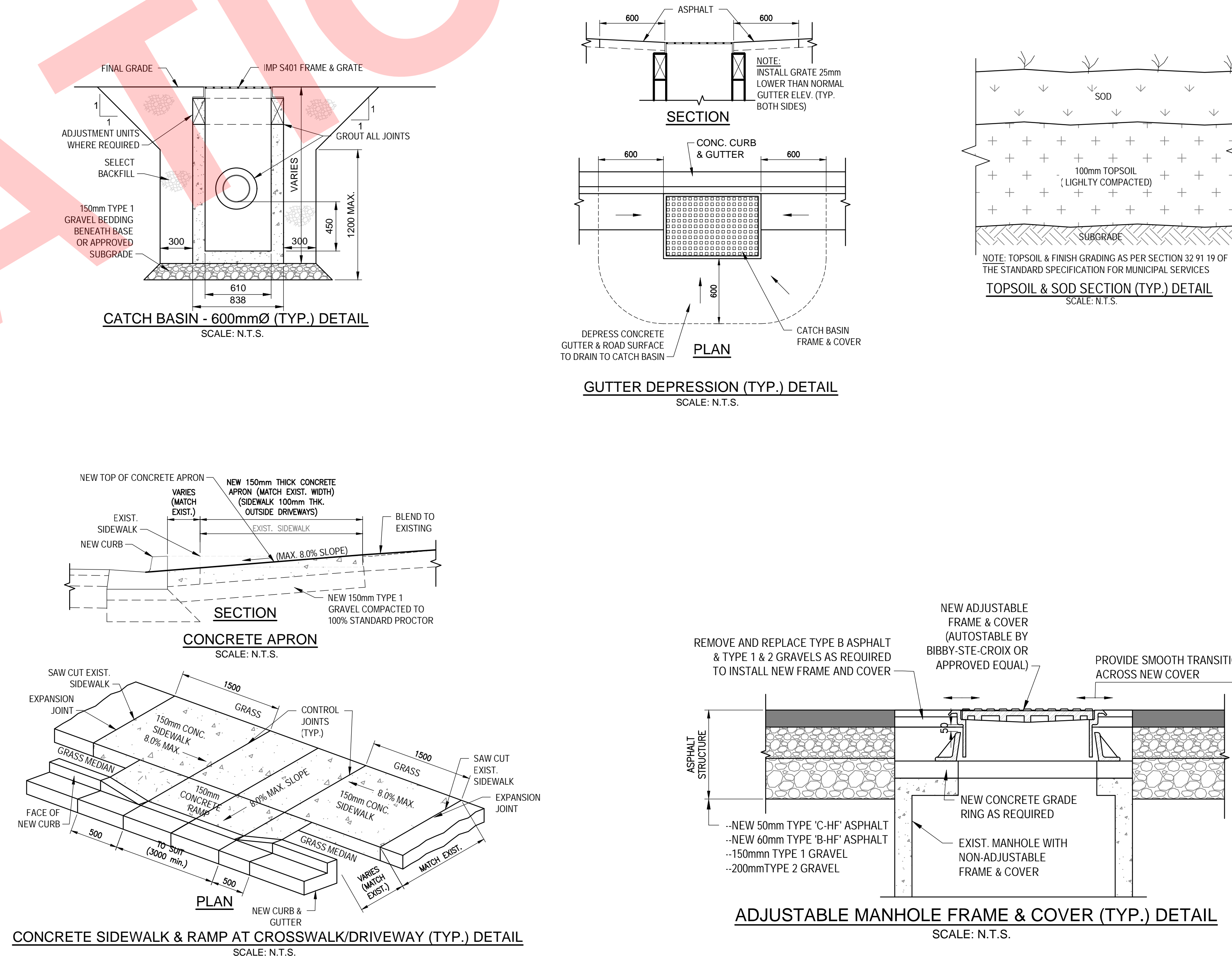
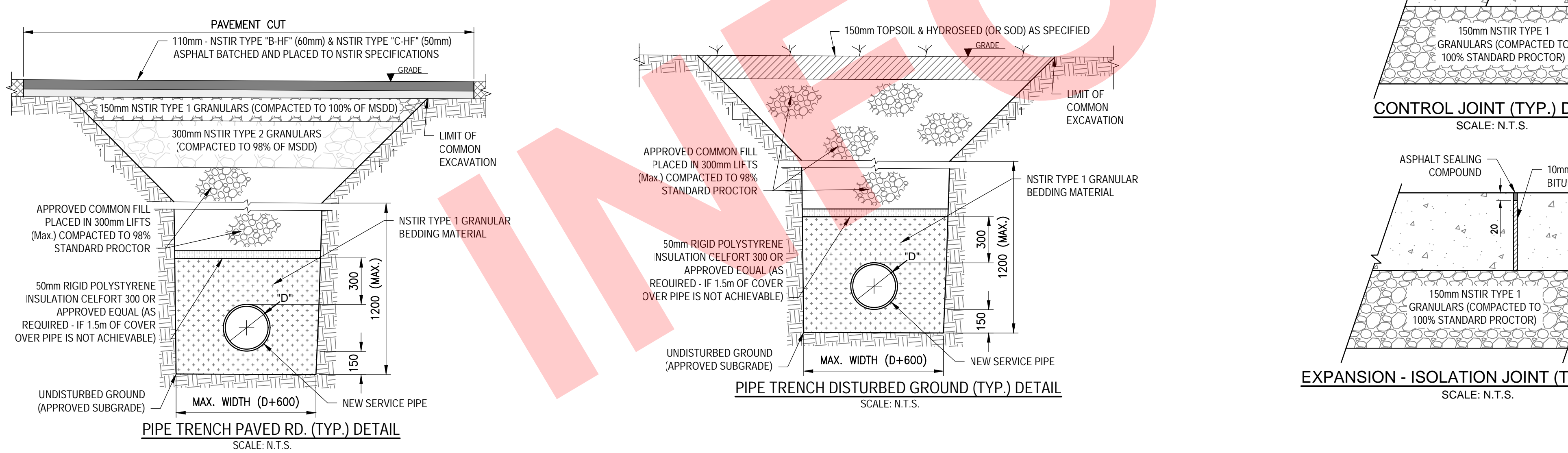
SANITARY SYSTEM - SOUTH BUILDING



STORM SYSTEM SOUTH BUILDING



NOTES:
1. CURB & GUTTER SHALL BE BUILT ON AN APPROVED TYPE 1 GRANULAR BASE HAVING A MIN. DEPTH OF 150mm AND TYPE 2 GRANULAR BASE HAVING A DEPTH OF 200mm.
2. EXPOSED EDGES SHALL BE FINISHED WITH A ROUNDED TOOL TO PRODUCE A 25mm RADIUS OR AS SHOWN.
3. DASHED LINE 'A' INDICATES CURB AT DRIVEWAYS.
4. DASHED LINE 'B' INDICATES CURB AT PEDESTRIAN RAMPS.





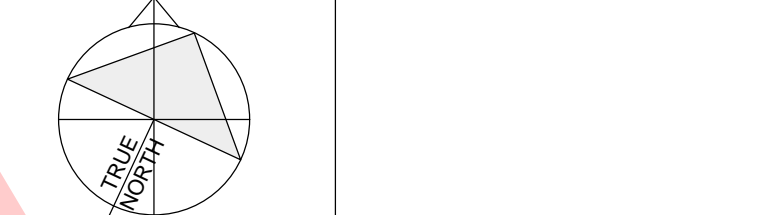
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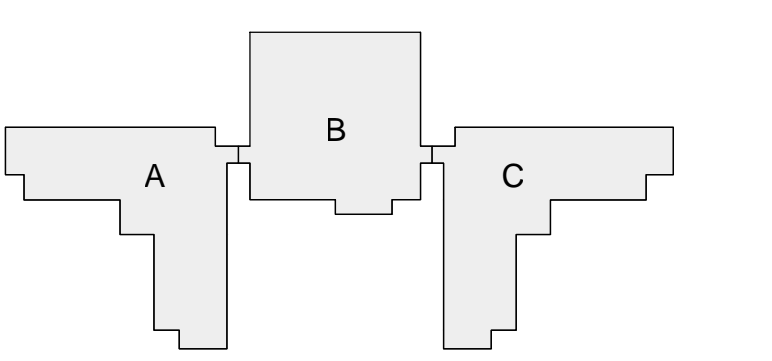
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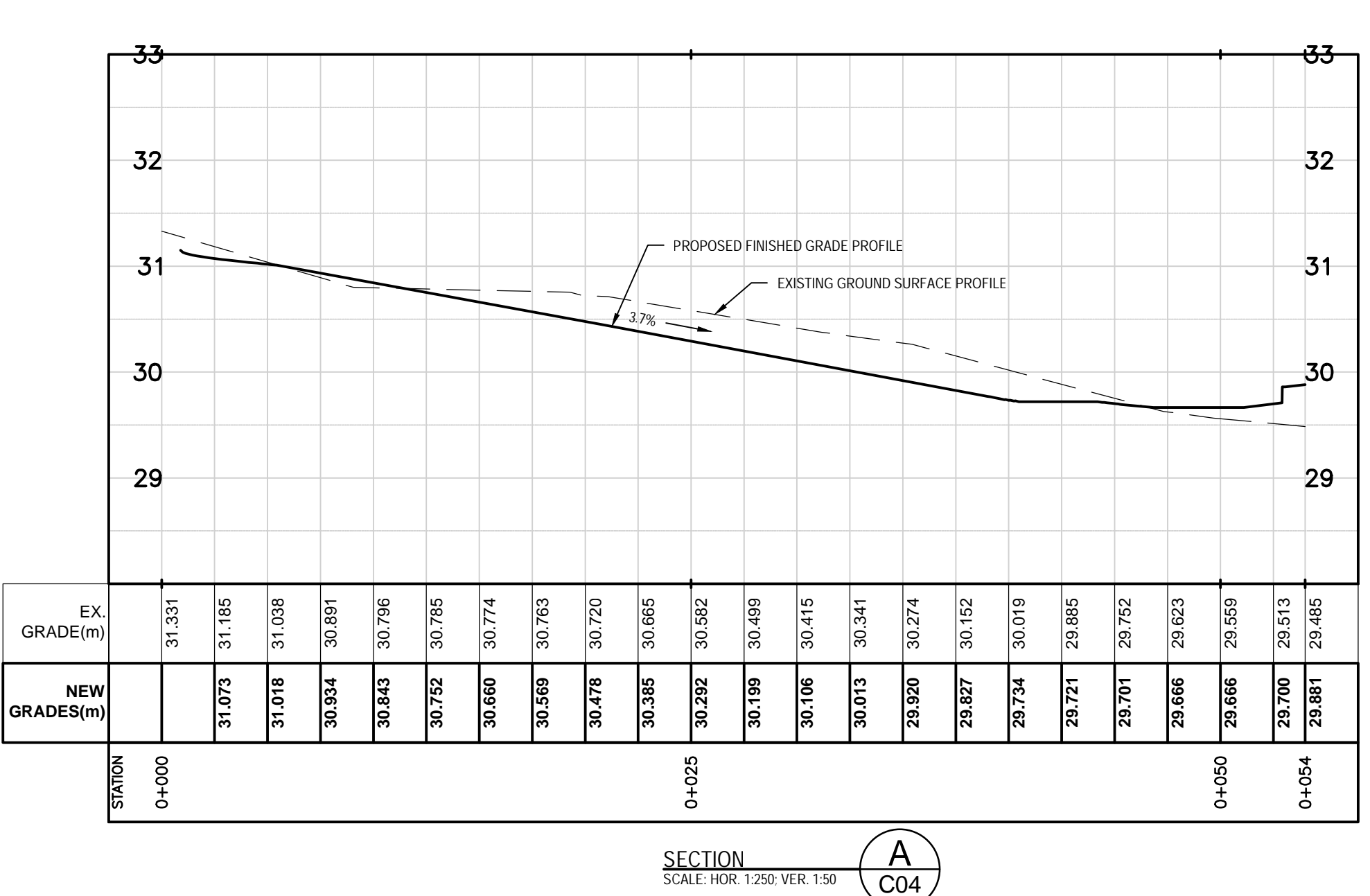
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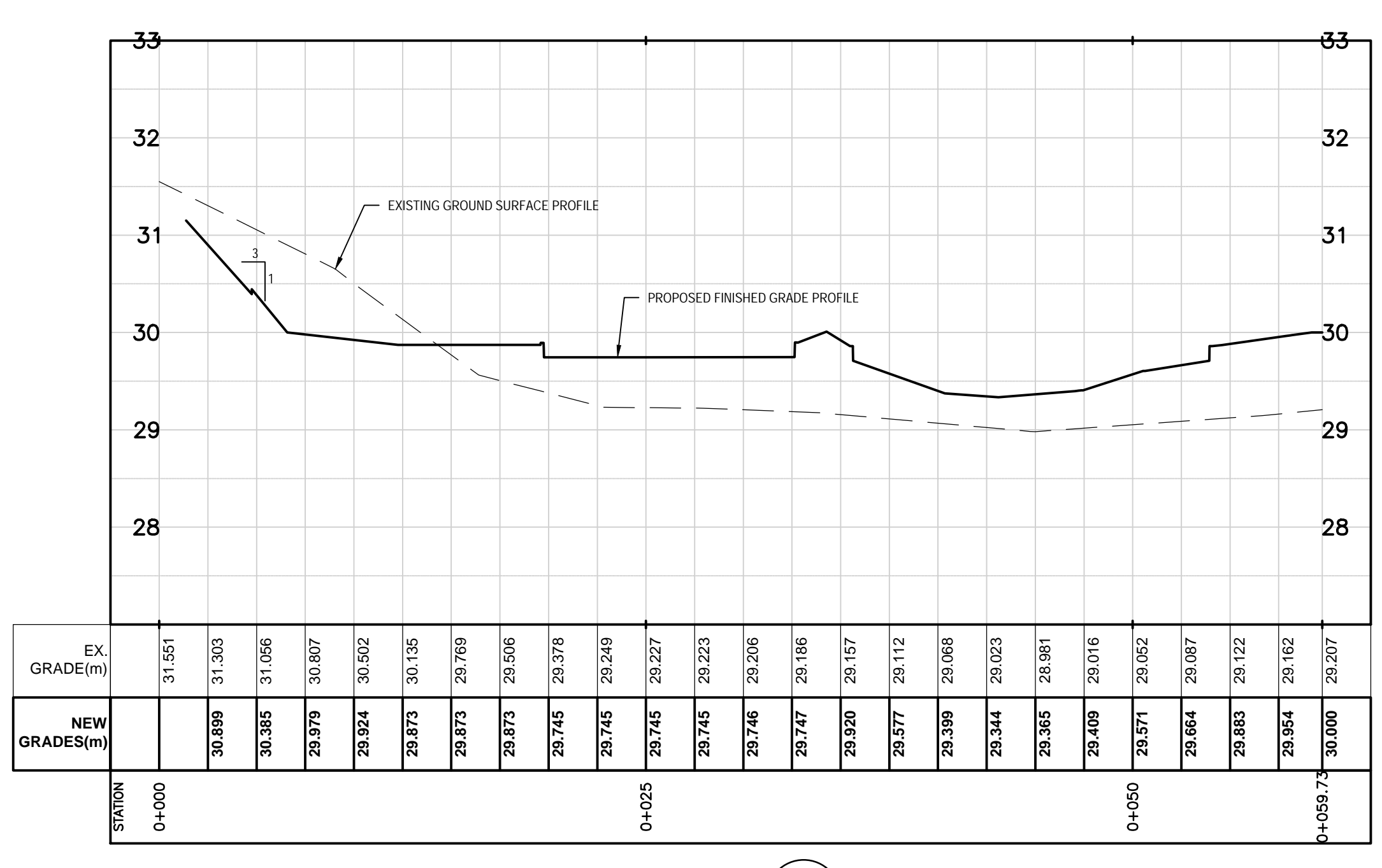


NORTH DRIVEWAY ACCESS



SECTION A C04
SCALE: HOR 1:250 VER 1:50

NORTH PARKING AND TANKS AREA



October 24th, 2023

Preliminary Stormwater Plan supporting narrative:

Drainage: The site will be graded to provide positive drainage away from all buildings and to prevent the collection of water in areas of high pedestrian traffic. The proposed site is in the Halifax Regional Municipality and therefore the stormwater release target is for no increase in peak runoff rate for any event up to the 1:100 year return period rainfall event.

The storm water management design will be comprised of a minor drainage system and major drainage system. The minor system consists of swales, ditches, catch basins, pipe, and manholes and shall be designed to accommodate flows up to the 1:5 year return period without surcharge. The major drainage system is the “back-up” system of overland drainage that is engaged when the minor system is overwhelmed. The major system may be comprised of curbs, gutters, surface grading, parking lot ponding, rooftop ponding, storm water ponds, and emergency overflows that will protect the building and other infrastructure from flooding and excessive storm water ponding.

Stormwater storage will be provided in an on-site “storage ditch” which will discharge through an outlet control structure in the SW corner of the site. Outlet control is anticipated to be an orifice plate or v-notch weir. The receiving stormwater infrastructure will be the roadside ditch system. The stormwater ditch will employ check dams to create temporary ponding and promote infiltration.

Stormwater quality will be managed through the provision of a hydrodynamic oil and grit separator (Stormceptor, CDS, or similar).

Kindly,



Tyler Chapman
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