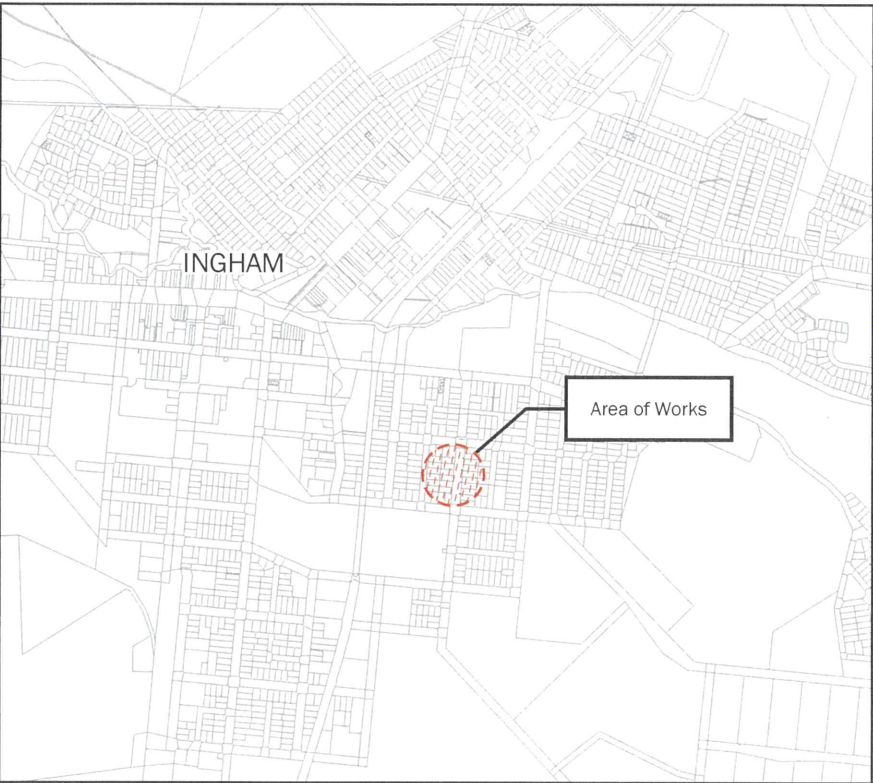
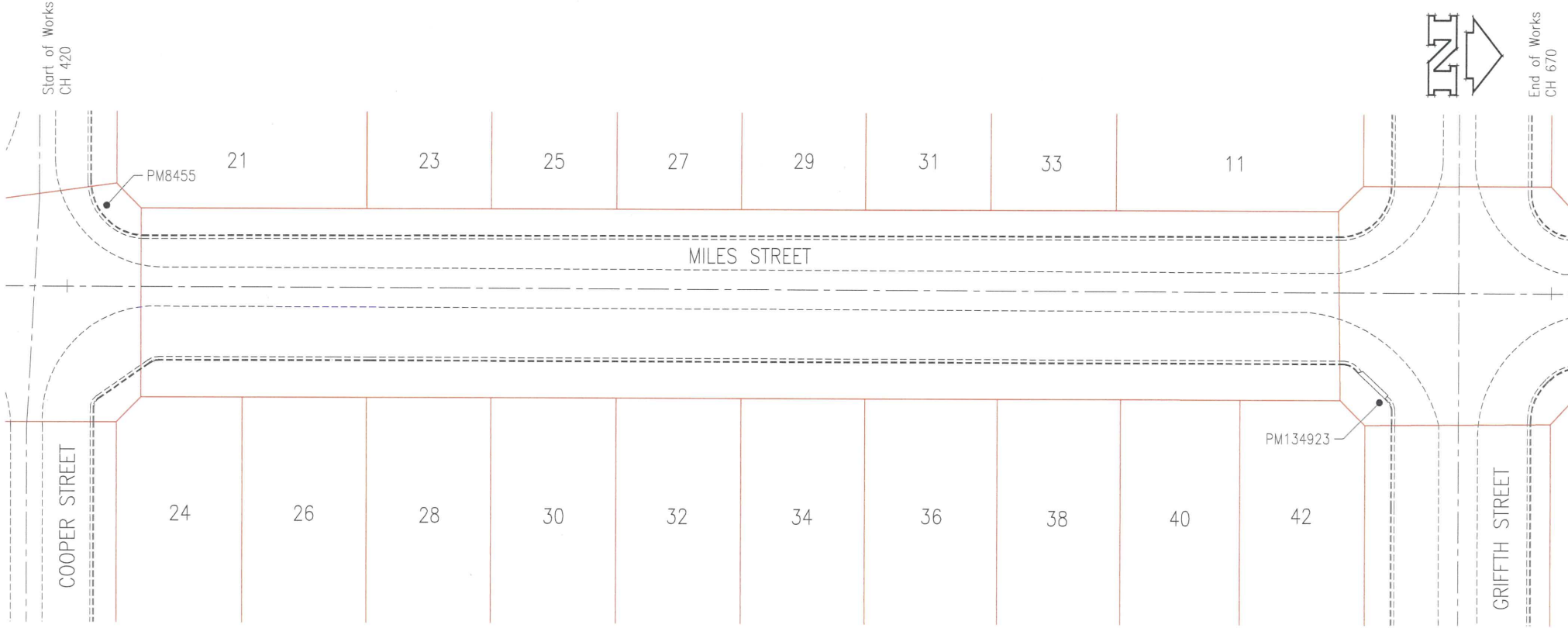


HINCHINBROOK SHIRE COUNCIL
MILES STREET STORMWATER DRAINAGE RENEWAL
JOB NUMBER - 22DRN002



LOCALITY PLAN
NTS










LAYOUT PLAN
NTS

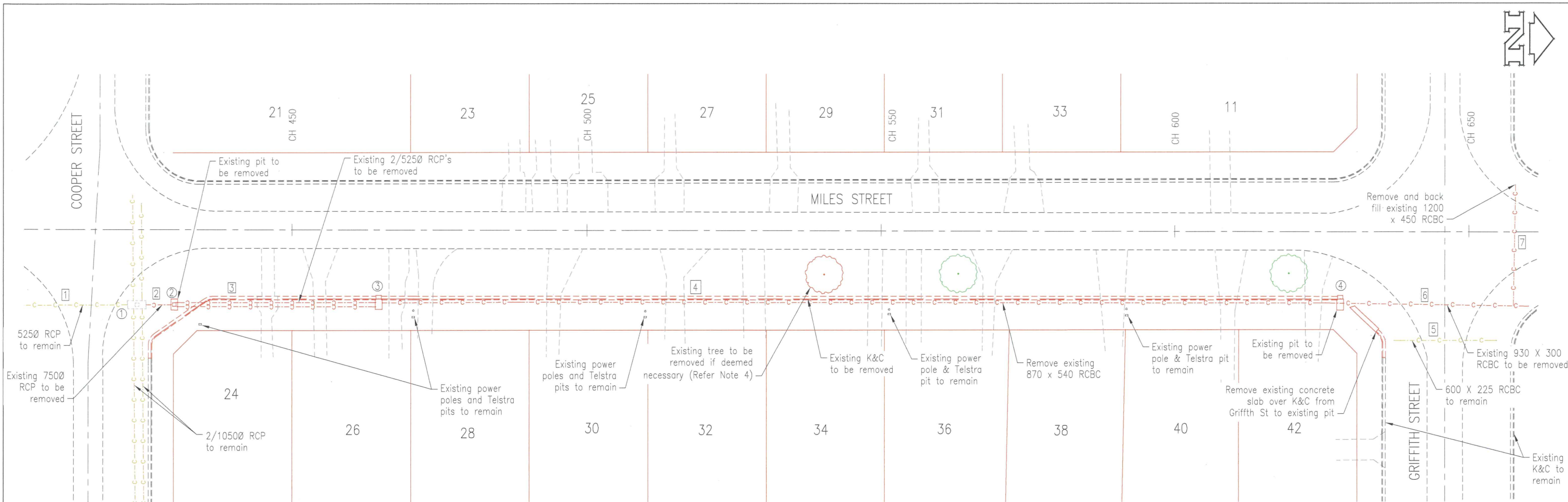
DRAWING SCHEDULE:

Plan No.	Description	Revision
8400	Cover Page & Drawing Schedule	A
8401	Existing Infrastructure & Demolition Plan	A
8402	General Arrangement Plan & Details	A
8403	New Infrastructure Plan & Details	A
8404	Drainage & K&C Longitudinal Section & K&C Cross Sections	A

SURVEY CONTROL MARKS:

Point ID	Easting	Northing	Level
PM134923	411740.332	7937128.159	10.580
PM8455	411690.386	7936926.702	10.353

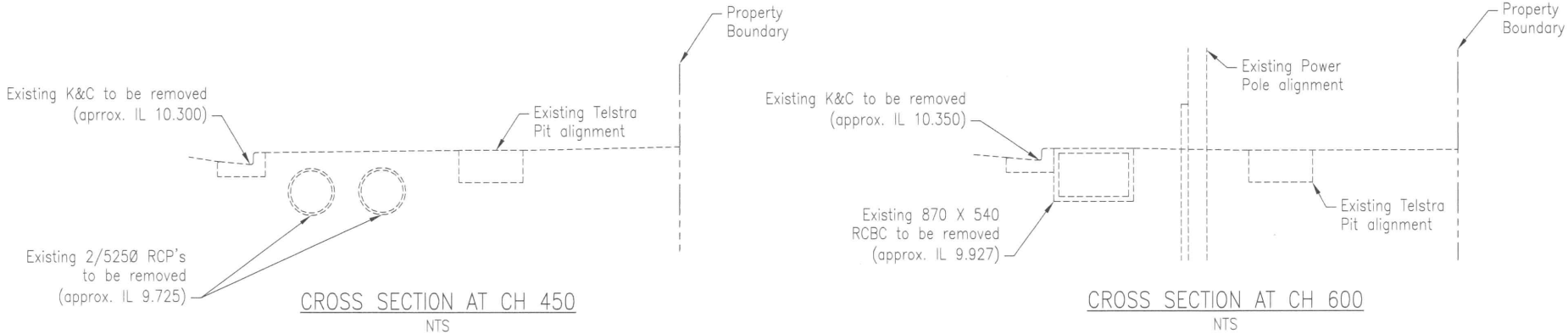
			As Shown	LEVEL DATUM: AHD der	Drafted: 	Designed: 	Certified By Council's IAM: 	Approved by Council's DIUS: 	Survey Number XXXX	Field Books XXXX	Level Books XXXX	 HINCHINBROOK SHIRE COUNCIL	HINCHINBROOK SHIRE COUNCIL		Job No	
				Associated Plans: 8401 to 8404	Checked: 	Checked: 	Date: <u>7/03/22</u> RPEQ No. 23038	Date: <u>7/3/22</u>					MILES STREET - INGHAM		22DRN002	
A	04/03/22	Original		Scale	Plan No. 1 of 5									STORMWATER DRAINAGE RENEWAL - COVER PAGE & DRAWING SCHEDULE		Plan No 8400
FILEPATH: C:\USERS\ELIZA1874\HINCHINBROOK SHIRE COUNCIL\CAPITAL PROJECTS - 22DRN002 - MILES STREET STORMWATER DRAINAGE RENEWAL\04-DETAIL DESIGN\DRAWINGS\8400-8404.DWG																
DATE PLOTTED: Friday, 4 March 2022 4:52:42 PM																
A																



EXISTING INFRASTRUCTURE PLAN
NTS

NOTES:

1. Locate all existing underground services and drainage structures prior to commencing any works.
2. Remove and backfill existing RCBC under roadway at approx. CH 665 as required.
3. Remove all existing pits, RCP's and RCBC's as indicated on this plan and as required.
4. Remove existing tree (at approx. CH 545) as required if deemed necessary onsite.
5. Remove existing K&C and accesses as indicated on this plan and as required.
6. All removal methods are to be approved by Council's IOS Manager prior to commencing any works.
7. Locate and protect all existing survey marks and pins prior to commencing any works.
8. All chainages are approximate and are to be confirmed onsite.
9. All works are to be completed in accordance with the MUTCD Part 3: Works on Roads.



CROSS SECTION AT CH 450
NTS

CROSS SECTION AT CH 600
NTS

EXISTING PIT DETAILS:

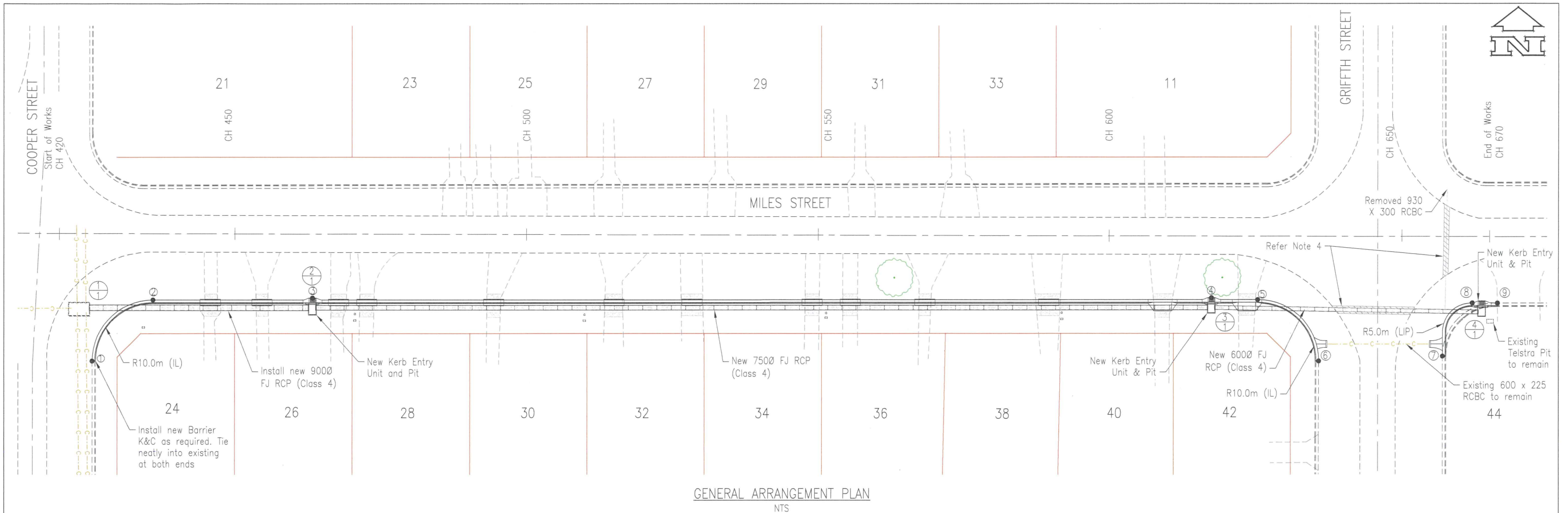
Pit ID	Comments
1	To Be Modified
2	To Be Removed
3	To Be Replaced
4	To Be Replaced

EXISTING PIPE/CULVERT DETAILS:

Pipe ID	Size	Length (m)	Comments
1	525Ø RCP	29.7	To Remain
2	750Ø RCP	4.4	To Be Replaced
3	2/525Ø RCP	33.7	To Be Replaced
4	870 X 540 RCBC	160.5	To Be Replaced
5	600 X 225 RCBC	17.3	To Remain
6	930 X 300 RCBC	34.4	To Be Replaced
7	930 X 300 RCBC	23.3	To Be Removed

LEGEND:

- ① Existing Pit ID
- ② Existing Pipe/Culvert ID
- Existing Pipe/Culvert
- Existing Features
- Red Indicates Removal
- Existing Trees To Remain



NOTES:

1. Locate existing underground services and drainage structures prior to commencing any works.
2. Refer HSC Plan 8403 for detailed K&C and stormwater drainage notes.
3. Consideration should be given to works around all existing power poles to ensure no damage occurs during construction. Ergon Energy is to be consulted if deemed necessary.
4. Reinstate road crossings along Griffith and Miles Streets as required. Materials are to match existing as best practical. Reinstate any existing linemarking as required.
5. Locate and protect any existing survey pins and marks prior to commencing any works.
6. All chainages are approximate and are to be confirmed onsite.
7. Consideration should be given to staging backfill material in 10m sections with backfill joins finishing between two pipe joins.
8. All works are to be completed in accordance with the MUTCD Part 3: Works on Roads.

EXISTING PIT DETAILS:

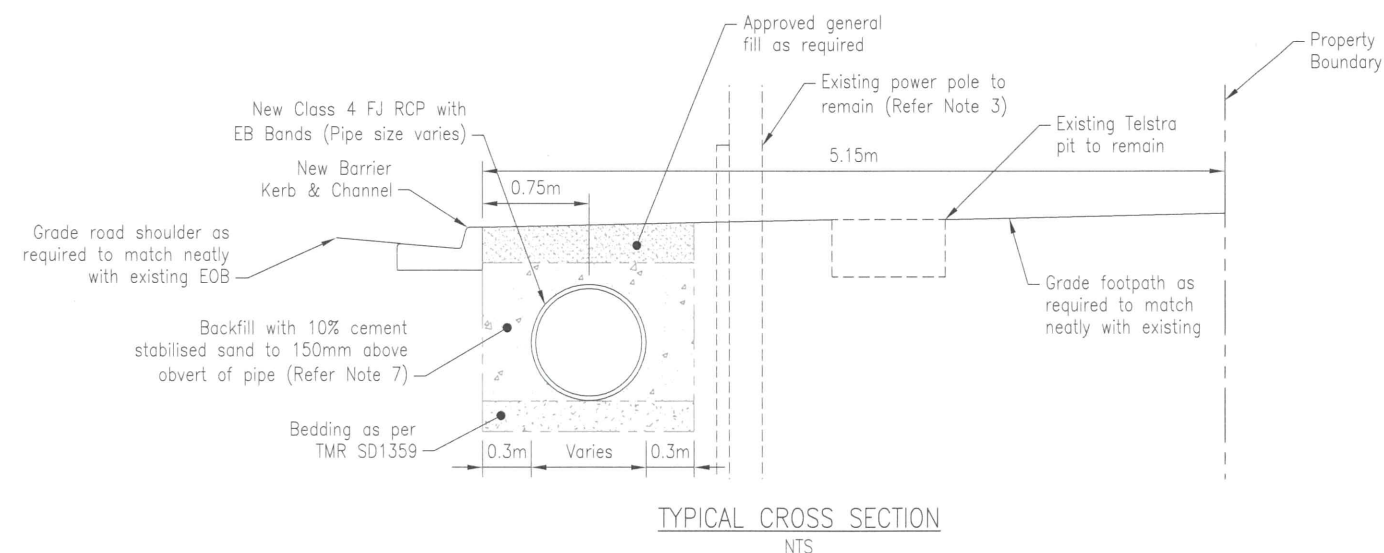
Pit ID	Comments
1/1	Modified To Allow Pipe Entry
2/1	New Inlet & Pit
3/1	New Inlet & Pit
4/1	New Inlet & Pit

NEW PIPE/CULVERT DETAILS:

Pipe ID	Size	Length (m)	Comments
1/1 - 2/1	900Ø RCP	38.1	New
2/1 - 3/1	750Ø RCP	160.5	New
3/1 - 4/1	600Ø RCP	34.4	New

LEGEND:

- ① Setout Point ID
- ① Existing Pit ID
- Existing Features
- ▨ Road Crossing Reinstatement



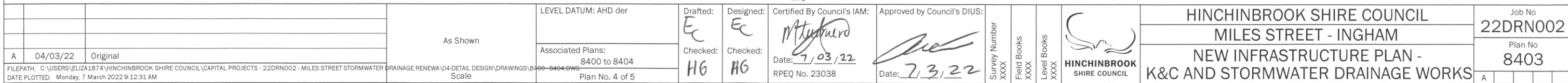
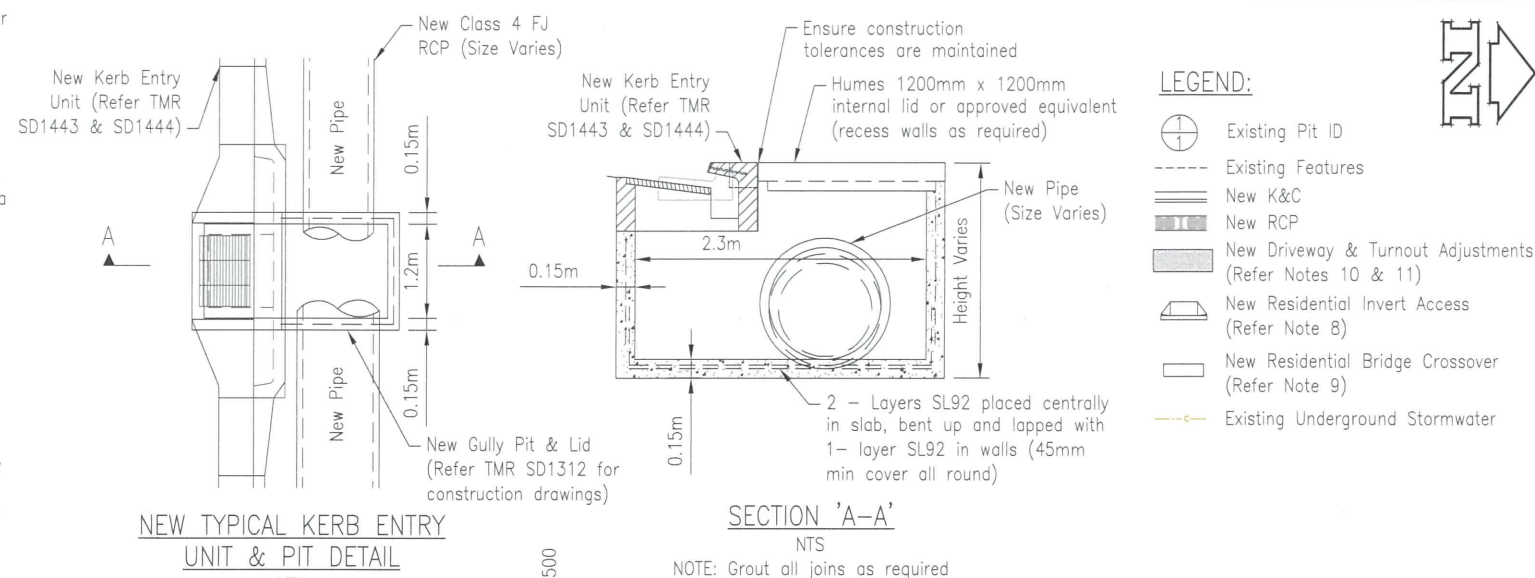
K&C SETOUT POINTS:

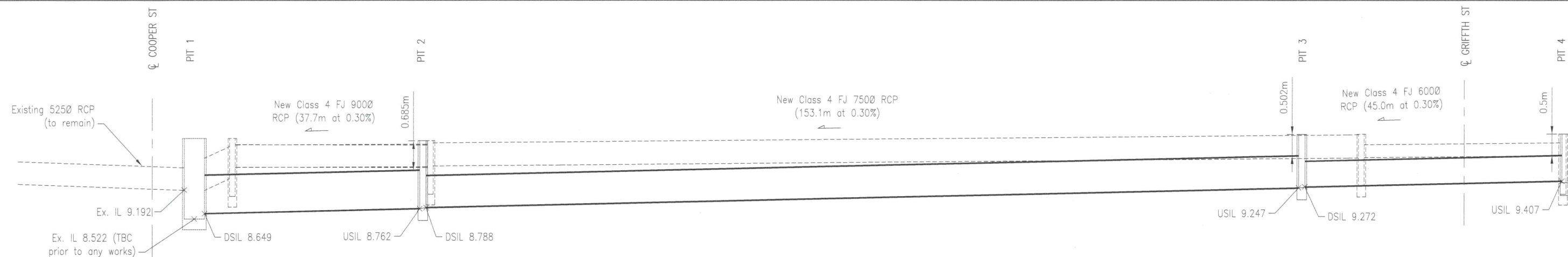
Point ID	Easting	Northing
1	411724.876	7936920.936
2	411715.43	7936932.303
3	411717.604	7936959.487
4	411731.788	7937113.063
5	411732.844	7937120.849
6	411744.255	7937130.289
7	411745.327	7937151.453
8	411736.803	7937157.274
9	411737.203	7937161.490

A 04/03/22 Original		As Shown	LEVEL DATUM: AHD der	Drafted: E	Designed: E	Certified By Council's IAM: M. Kuyner	Approved by Council's DIUS: [Signature]	Survey Number: XXXX	Field Books: XXXX	Level Books: XXXX	HINCHINBROOK SHIRE COUNCIL	HINCHINBROOK SHIRE COUNCIL MILES STREET - INGHAM GENERAL ARRANGEMENT PLAN AND DETAILS	Job No 22DRN002 Plan No 8402
FILEPATH: C:\USERS\ELIZA1874\HINCHINBROOK SHIRE COUNCIL\CAPITAL PROJECTS - 22DRN002 - MILES STREET STORMWATER DRAINAGE RENEWAL\04-DETAIL DESIGN\DRAWINGS\8400-8404.DWG		Scale	Associated Plans: 8400 to 8404	Checked: HG	Checked: HG	Date: 7/02/22	Date: 7/3/22	RPEQ No. 23038					A

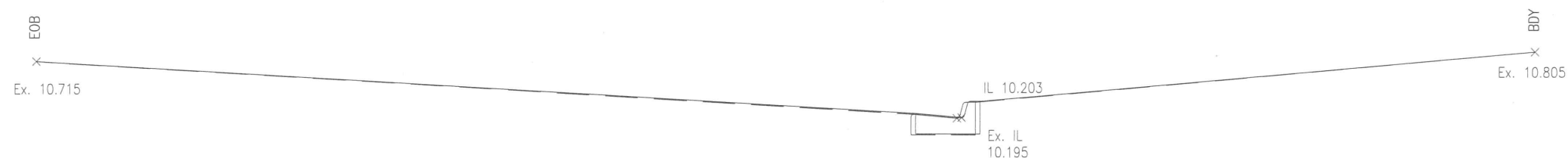
1. Install new 900Ø FJ RCP (Class 4) with EB Bands between 1/1 & 2/1 as per details on this plan and in accordance with the manufacturers specifications.
2. Install new 750Ø FJ RCP (Class 4) with EB Bands between 2/1 & 3/1 as per details on this plan and in accordance with the manufacturers specifications.
3. Install new 600Ø FJ RCP (Class 4) with EB Bands between 3/1 & 4/1 as per details on this plan and in accordance with the manufacturers specifications.
4. Install new Kerb Entry Units & Pits as per details on this page and in accordance with the manufacturers specifications. Locations are to be confirmed onsite prior to commencing works.
5. Modify Pit 1/1 as required to accommodate new 900Ø RCP.
6. Install new K&C as per details on this plan. Extent of works to be confirmed onsite.
7. Horizontal and vertical alignments are to be confirmed onsite.
8. Install new Residential Invert Accesses at 40 & 42 Miles Street. All new Invert Accesses are to be installed as per HSC Std Drg A001.
9. Remove existing driveway structure and replace with new Residential Bridge Crossover. Crossover to be constructed in accordance with HSC Std Drg A009. Width to be extended onsite to match existing driveway width if needed. Grades are to be checked onsite prior to commencing any works to ensure an invert access is not a possibility. Compliance checks of no greater than 15% are preferred and can be undertaken in conjunction with the Designer if needed.

- Should an invert access be deemed necessary, the Council's Works Team Leader is to consult with the land owner to seek approval as this is Council's preferred option.
10. Reconnect all new accesses to the existing driveways as required. Materials are to match existing as best as possible. Hatch has been omitted adjacent driveways for plan clarity.
 11. Reconstruct all driveway turnouts to match existing as required.
 12. Reconnect all existing Domestic Stormwater Drainage into new K&C as required.
 13. Backfill in front of all new K&C with an approved deco material and grade area between the existing edge of bitumen and lip of K&C as required.
 14. Backfill behind all new K&C from top of K&C to property boundary with an approved loam material.
 15. Lay one strip of standard width turf against the front and back of all new K&C. Grass seed all other disturbed areas and water until grass has taken or struck.
 16. Refer to table/detail on HSC Plan 8402 for more stormwater information if needed.
 17. Any smaller cut pipes are to be installed one full length of pipe in from the end to minimise separation.
 18. All chainages are approximate and are to be confirmed onsite.
 19. Locate and protect all existing survey pins and marks prior to commencing any works.
 20. All works are to be completed in accordance with the MUTCD Part 3: Works on Roads.
 21. Ensure all existing services are located prior to commencing any works.

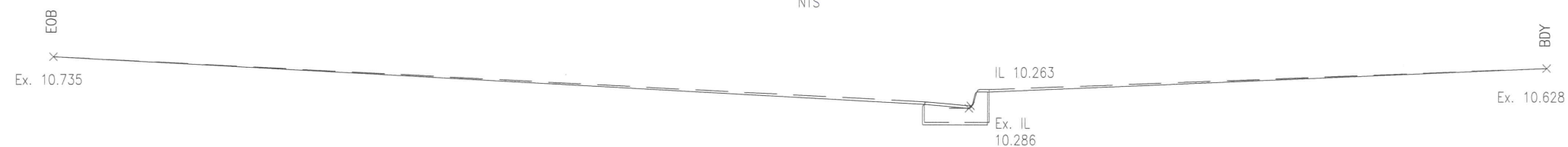




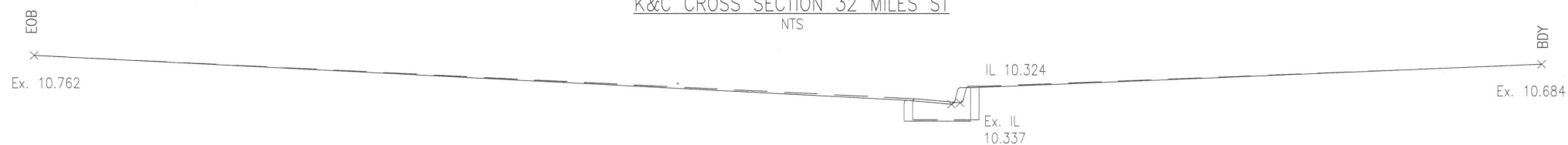
DRAINAGE LONGITUDINAL SECTION
NTS



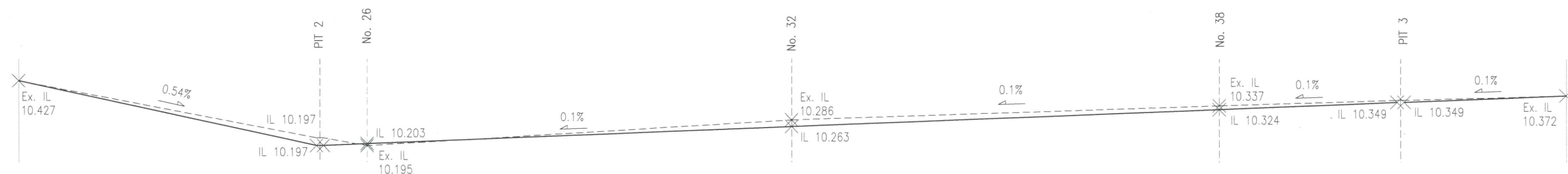
K&C CROSS SECTION 26 MILES ST
NTS



K&C CROSS SECTION 32 MILES ST
NTS



K&C CROSS SECTION 38 MILES ST
NTS



K&C LONG SECTION
NTS

LEGEND:

- Indicates New RCP
- - - Indicates Existing
- Indicates New K&C

NOTES:

1. These sections have been included for informational purposes only.
2. Pits have not been drawn to scale and are indicative only.
3. Cover dimensions are to new TOK heights.

			As Shown	LEVEL DATUM: AHD der	Drafted: 	Designed: 	Certified By Council's IAM: 	Approved by Council's DIUS: 	Survey Number XXXX	Field Books XXXX	Level Books XXXX	 HINCHINBROOK SHIRE COUNCIL	HINCHINBROOK SHIRE COUNCIL		Job No						
				Associated Plans: 8400 to 8403	Checked: 	Checked: 	Date: <u>7 / 03 / 22</u>						Date: <u>7 / 3 / 22</u>	MILES STREET - INGHAM		22DRN002					
A	04/03/22	Original		Scale	Plan No. 5 of 5													DRAINAGE & K&C LONGITUDINAL SECTIONS & K&C CROSS SECTIONS		Plan No	
FILEPATH: C:\USERS\ELIZA1874\HINCHINBROOK SHIRE COUNCIL\CAPITAL PROJECTS - 22DRN002 - MILES STREET STORMWATER DRAINAGE RENEWAL\04-DETAIL DESIGN\DRAWINGS\8400-8404.DWG															8404						
DATE PLOTTED: Friday, 4 March 2022 4:53:30 PM																A					