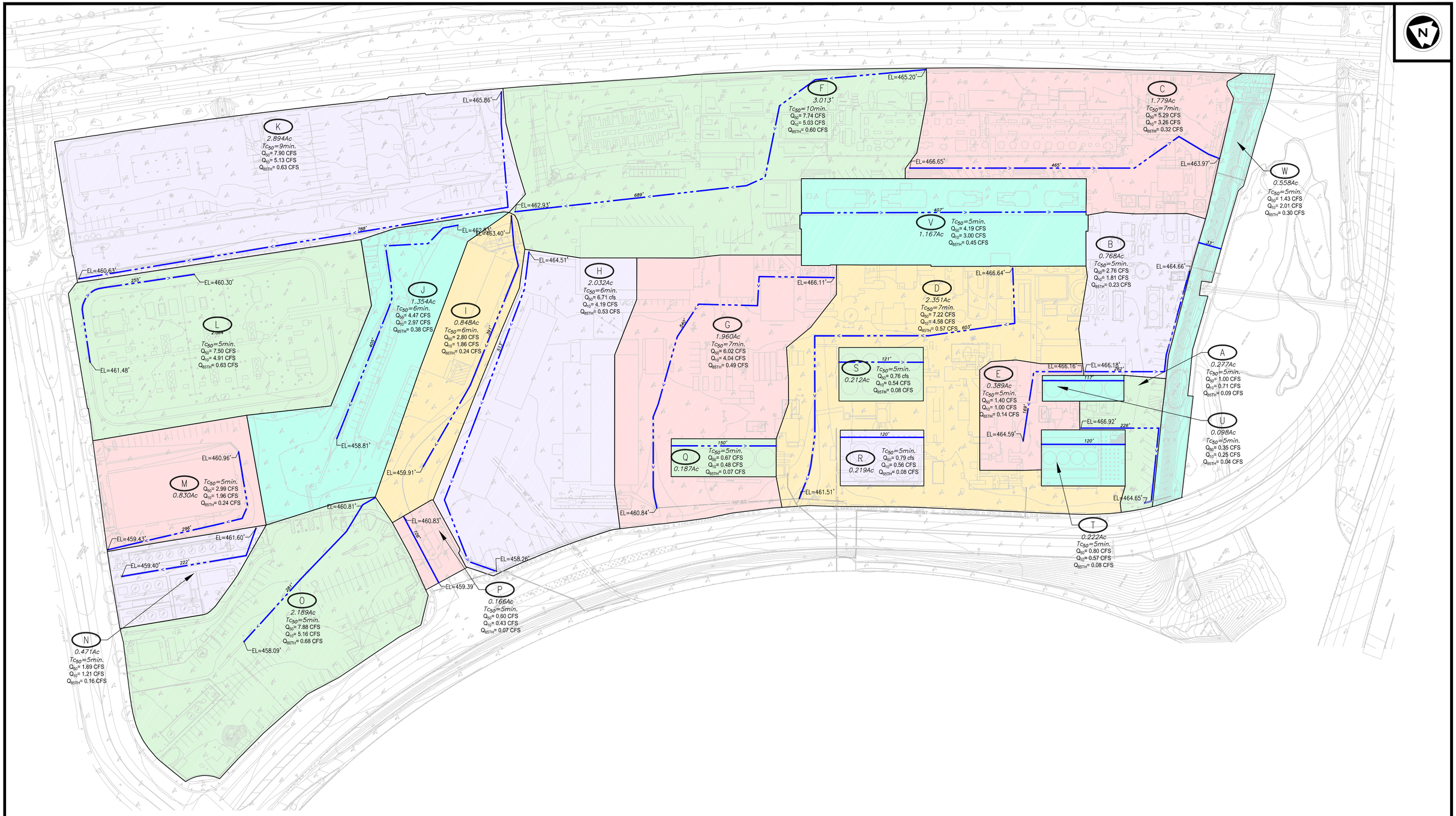
Appendix H PRELIMINARY GRADING AND DRAINAGE PLANS



LEGEND:

(COLOR VARIES) DRAINAGE AREA

TC FLOW PATH

HYDROLOGY LEGEND

DRAINAGE AREA

1 — AREA (AC.)

1.813Ac.

Q50= 0.47 CFS — CALCULATED 50-YEAR FLOW RATE

Q10= 0.56 CFS — CALCULATED 10-YEAR FLOW RATE

Q85TH= 0.08 CFS — CALCULATED 85TH PERCENTILE FLOW RATE

HYDROLOGY DATA

ISOHYET (85th PERCENTILE)	1.0"
ISOHYET (50-YR)	6.7"
SOIL TYPE	S

* RESULTS WERE BASED ON USING LOS ANGELES COUNTY HYDROCALC SOFTWARE

SCALE 1"=60'

60' 0' 60' 120'

GRAPHIC SCALE

SEC.

REVISIONS					
DATE	NO.	DESCRIPTION	BY	CH'K	APP'D
MM/DD/YY	A	PRELIMINARY FOR DISCUSSION	XXX	YYY	ZZZ

DES:

DWN: CH'K:

APPROVED:

PRINCIPAL ELECTRICAL ENGINEER

SCALE:

DATE:

(AutoCAD)

GRAYSON REPOWERING PROJECT
PRELIMINARY HYDROLOGY STUDY
EXISTING CONDITIONS

GLENDALE WATER & POWER
CITY OF GLENDALE
CALIFORNIA

SHEET: C-103

6775

SAVED: 02/02/17 4:07 PM PLOTTED: 02/13/2017 9:36 AM USERNAME: kdonlon FILE LOCATION: V:\2042\active\2057123300 Grayson\drawing\Exhibit_Files FILENAME: 123300 GraysonC-EX7001.dwg

LIMIT OF GRADING (TYP.)

466.6 FL-HP

463.5 12" INV.

465.5 FL-LP

(462.40) INV.

(461.67) INV.

EXISTING 15" OUTFALL

(462.30) INV.

GUTTER (TYP.)

PAD = 464.50

PAD = 465.5

PAD = 466.00

464.30 FL

L=211.2 S=0.007

12"SD

LIMIT OF GRADING (TYP.)

CONNECTION TO EXISTING STORM DRAIN

(462.85) INV.

(462.52) INV.

EXISTING 12" OUTFALL

L=48.5 S=0.005

L=57.0 S=-0.01

462.7 HP=INV.

(463.06) INV.

462.1 12" INV. 459.1 48" INV.

462.1 12" INV. 459.1 48" INV.

SEE DETAIL

STORM WATER INFILTRATION SYSTEM

(463.65) INV.

PAD= 464.5

PAD= 466.0

PAD= 465.5

463.7 12" INV.

463.2 12" INV.

462.7 12" INV.

462.2 12" INV.

L=66.0 S=0.008

462.1 12" INV. 459.1 48" INV.

464.20 FL-LP

462.2 12" INV.

461.2 12" INV. 459.1 48" INV.

461.2 12" INV. 459.1 48" INV.

LIMIT OF GRADING (TYP.)

462.3 FL

459.9 12" INV.

462 FL-LP

456.9 48" INV.

STORM WATER INFILTRATION SYSTEM SEE DETAIL

459.9 12" INV.

CONNECTION TO EXISTING STORM DRAIN

462.50 FL

456.9 48" INV.

459.9 12" INV.

(456.27) C.B. INV.

(452.76) INV. 15"

(455.48) INV. 18"

L=274.7 S=0.008

465.90 FL-HP

L=206.0 S=0.005

EXISTING 15" OUTFALL

CONNECTION TO EXISTING STORM DRAIN

EXISTING 96" OUTFALL

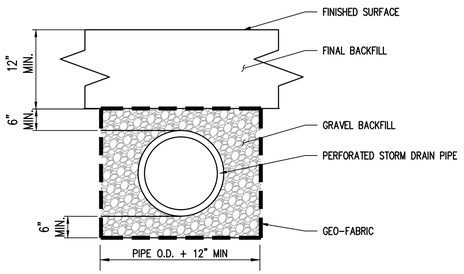
SCALE 1"=40'

40' 0' 40' 80'

GRAPHIC SCALE

LEGEND:

- PROPERTY BOUNDARY
- EXISTING CONTOUR
- PROPOSED CONTOUR
- EXISTING SPOT ELEVATION
- PROPOSED SPOT ELEVATION
- EXISTING STORM DRAIN PIPE
- PROPOSED STORM DRAIN PIPE
- PROPOSED STORM DRAIN INLET
- PROPOSED STORM DRAIN LENGTH AND SLOPE
- PROPOSED STORMWATER INFILTRATION PIPE
- LIMIT OF GRADING



STORMWATER INFILTRATION SYSTEM DETAIL

SEC.

REVISIONS					
DATE	NO.	DESCRIPTION	BY	CH'K	APP
MM/DD/YY	A	PRELIMINARY FOR DISCUSSION	XXX	YYY	ZZZ

DES:
DWN: CH'K:
APPROVED:
PRINCIPAL ELECTRICAL ENGINEER
SCALE:
DATE:

(AutoCAD)

GRAYSON REPOWERING PROJECT
PRELIMINARY GRADING AND DRAINAGE PLAN

GLENDALE WATER & POWER
CITY OF GLENDALE
CALIFORNIA

SHEET: C-103

6775

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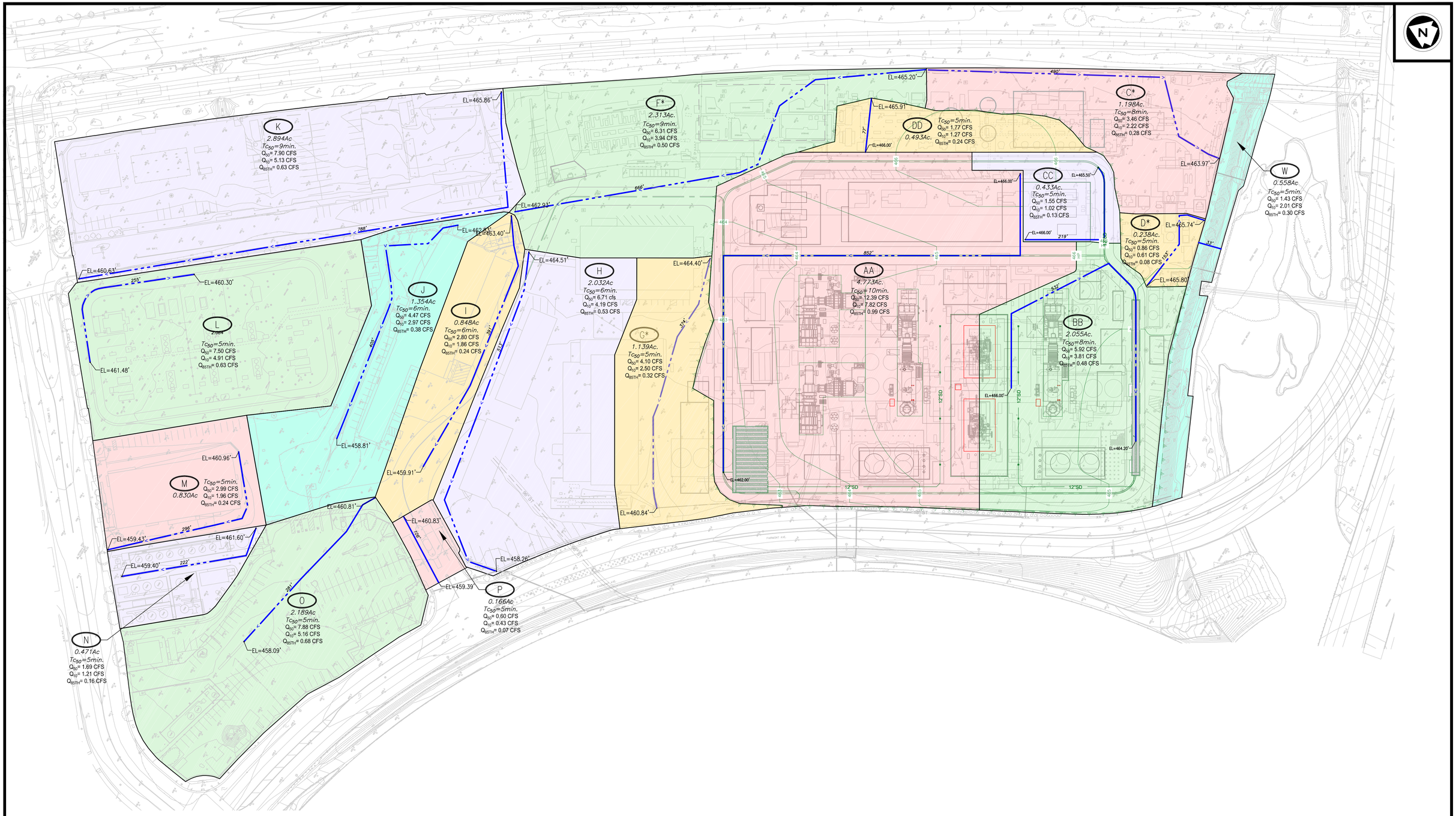

REVISIONS					
DATE	NO.	DESCRIPTION	BY	CH'K	APP'D
MM/DD/YY	A	PRELIMINARY FOR DISCUSSION	XXX	YYY	ZZZ

DES:
DWN: CH'K:
APPROVED:
PRINCIPAL ELECTRICAL ENGINEER
SCALE:
DATE:

(AutoCAD)

GRAYSON REPOWERING PROJECT
PRELIMINARY HYDROLOGY STUDY
PROPOSED CONDITIONS

GLENDALE WATER & POWER
CITY OF GLENDALE
CALIFORNIA

SEC.

SHEET: C-103

6775

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