

DIAL BEFORE YOU DIG!
586-1333
 U/G POWER, TELEPHONE & T.V.
 SHOWN ON THIS DRAWING INDICATE
 EXISTENCE ONLY AND DO NOT
 SUBSTITUTE FOR FIELD LOCATES

STORM DRAIN PIPE SUMMARY				
PIPE	DIA.	LENGTH	TYPE	SLOPE
P-22	12"	36'	CPP	1.00%
P-23	12"	53'	CPP	0.75%
P-24	12"	161'	CPP	0.75%
P-25	12"	32'	CPP	1.00%

NOTE: PIPE LENGTHS AND SLOPES ARE
 MEASURED FROM CENTER TO CENTER OF
 STRUCTURES.

THE STORM DRAIN GRATE
 ELEVATIONS ARE GIVEN TO
 THE CENTER OF THE GRATE.

S-15 24" CPP INLET*	
STA.19+60.00,	19.25' RT.
GRATE EL.=	40.05'
P-23 I.E.=	37.28'
S 6" PVC I.E.=	37.78'
SUMP=	12" MIN.
* W/ CONCRETE AREA DRAIN	

S-16 24" CPP INLET*	
STA.19+95.00,	16.50' LT.
GRATE EL.=	39.35'
P-22 I.E.=	37.24'
W 6" PVC I.E.=	37.49'
N 6" PVC I.E.=	37.49'
SUMP=	12" MIN.
* W/ CONCRETE AREA DRAIN	

S-17 CURB INLET	
STA.20+12.80,	9.50' RT.
GRATE EL.=	40.31'
OUTLET I.E.=	39.08'

S-18 SDMH TYPE-I	
STA.20+12.80,	15.00' RT.
LID EL.=	40.98'
P-22 I.E.=	36.88'
P-23 I.E.=	36.88'
P-24 I.E.=	36.80'
N 8" PVC I.E.=	38.98'
S 6" PVC I.E.=	37.38'
SUMP=	16" MIN.

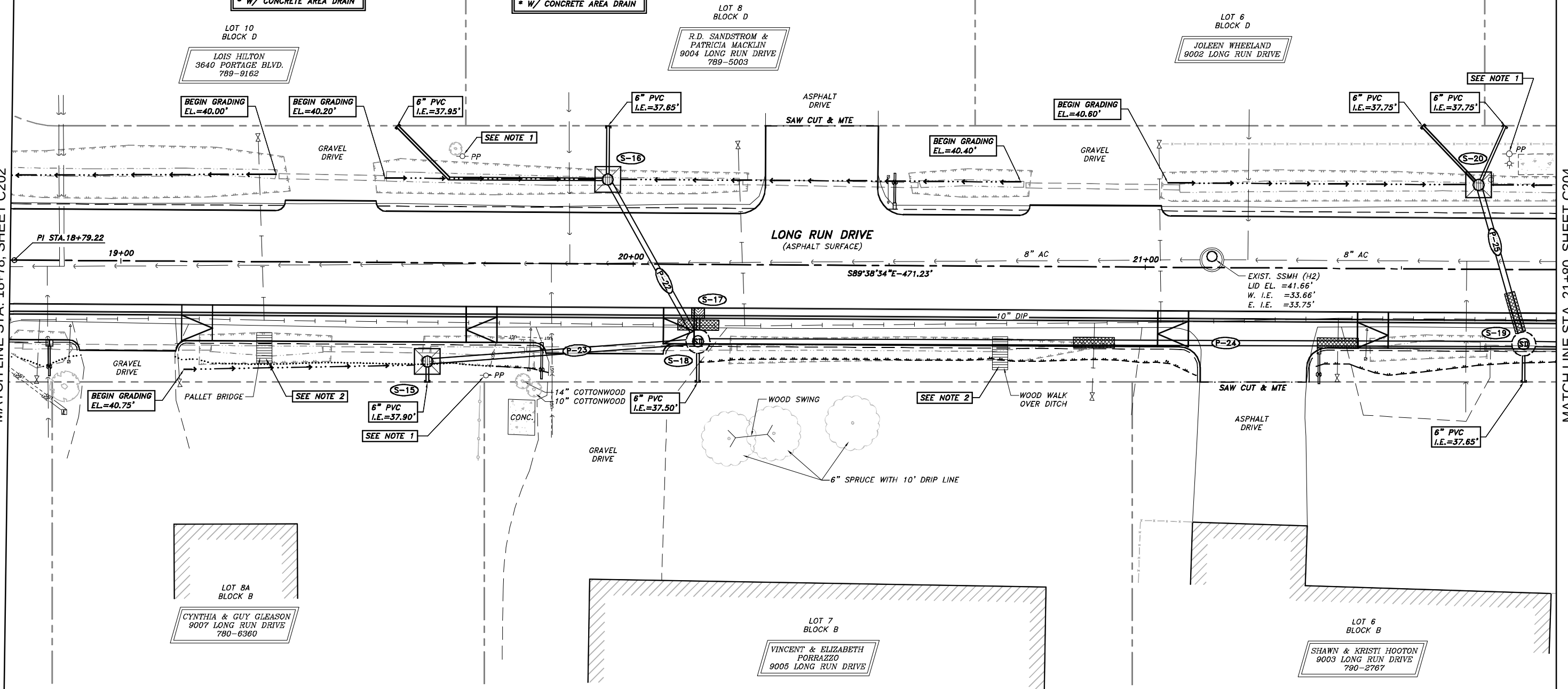
S-19 SDMH TYPE-I	
STA.21+74.00,	14.50' RT.
LID EL.=	41.51'
P-24 I.E.=	35.59'
P-25 I.E.=	37.00'
P-26 I.E.=	35.51'
S 6" PVC I.E.=	37.50'
SUMP=	16" MIN.

S-20 24" CPP INLET*	
STA.21+65.00,	16.50' LT.
GRATE EL.=	39.35'
P-25 I.E.=	37.34'
NW 6" PVC I.E.=	37.59'
NE 6" PVC I.E.=	37.59'
SUMP=	12" MIN.
* W/ CONCRETE AREA DRAIN	

- NOTES:**
1. PROTECT AND MAINTAIN.
 2. PLACE WOOD STRUCTURE ONTO OWNER'S PROPERTY.

MATCH LINE STA. 18+78, SHEET C202

MATCH LINE STA. 21+80, SHEET C204

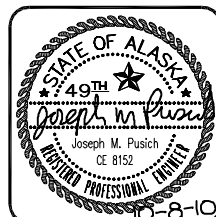


DESIGN	JMP/KAP
DRAWN	KAP/MLL
CHECK	JMP
APPROVED	JMP
FILE:	

No.	DATE	REVISION	BY	APRVD.

PLAN - LONG RUN DRIVE
 STA.18+78 to STA.21+80

GRAPHIC SCALE
 0' 5' 10' 20' 40'



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 rmengineering@rmjuneau.com

**LONG RUN DRIVE
 SIDEWALK AND DRAINAGE
 RECONSTRUCTION**
 CBJ CONTRACT No. E11-151
 CITY & BOROUGH OF JUNEAU, ALASKA

DATE: OCT. 8, 2010
 R & M NO. 101340
 SHEET C203

STORM DRAIN PIPE SUMMARY				
PIPE	DIA.	LENGTH	TYPE	SLOPE
P-26	12"	134'	CPP	0.75%
P-27	12"	34'	CPP	0.50%
P-28	12"	90'	CPP	0.75%
P-29	12"	51'	CPP	0.75%
P-30	12"	120'	CPP	0.75%

NOTE: PIPE LENGTHS AND SLOPES ARE MEASURED FROM CENTER TO CENTER OF STRUCTURES.

THE STORM DRAIN GRATE ELEVATIONS ARE GIVEN TO THE CENTER OF THE GRATE.

S-21 SDMH TYPE-I	
STA.23+08.27,	15.00' RT.
LID EL.=	40.52'
P-26 I.E.=	34.50'
P-27 I.E.=	36.50'
P-28 I.E.=	34.42'
N 8" PVC I.E.=	38.52'
SE 6" PVC I.E.=	36.50'
SUMP=	16" MIN.

S-22 CURB INLET	
STA.23+08.27,	9.50' LT.
GRATE EL.=	39.85'
OUTLET I.E.=	38.60'

S-23 24" CPP INLET*	
STA.23+20.00,	16.50' LT.
GRATE EL.=	38.75'
P-27 I.E.=	36.69'
N 6" PVC I.E.=	37.19'
SUMP=	12" MIN.

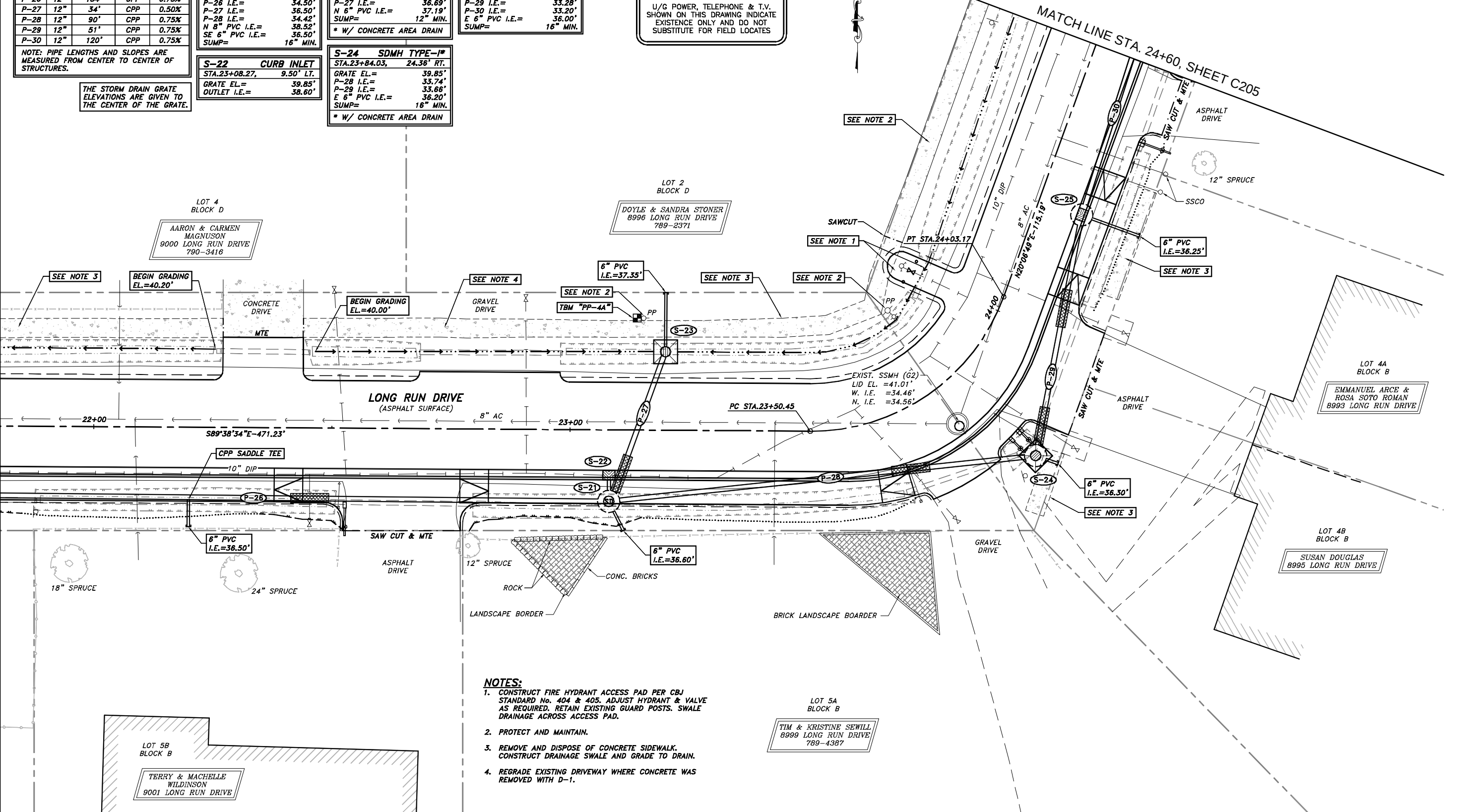
S-24 SDMH TYPE-I*	
STA.23+84.03,	24.36' RT.
GRATE EL.=	39.85'
P-28 I.E.=	33.74'
P-29 I.E.=	33.66'
E 6" PVC I.E.=	36.20'
SUMP=	16" MIN.

S-25 SDMH TYPE-I	
STA.24+25.00,	9.50' RT.
GRATE EL.=	40.37'
P-29 I.E.=	33.28'
P-30 I.E.=	33.20'
E 6" PVC I.E.=	36.00'
SUMP=	16" MIN.

DIAL BEFORE YOU DIG!
586-1333

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MATCH LINE STA. 21+80, SHEET C203



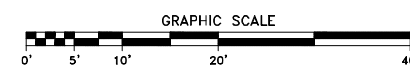
NOTES:

1. CONSTRUCT FIRE HYDRANT ACCESS PAD PER CBJ STANDARD No. 404 & 405. ADJUST HYDRANT & VALVE AS REQUIRED. RETAIN EXISTING GUARD POSTS. SWALE DRAINAGE ACROSS ACCESS PAD.
2. PROTECT AND MAINTAIN.
3. REMOVE AND DISPOSE OF CONCRETE SIDEWALK. CONSTRUCT DRAINAGE SWALE AND GRADE TO DRAIN.
4. REGRADE EXISTING DRIVEWAY WHERE CONCRETE WAS REMOVED WITH D-1.

DESIGN JMP/KAP
DRAWN KAP/MLL
CHECK JMP
APPROVED JMP
FILE:

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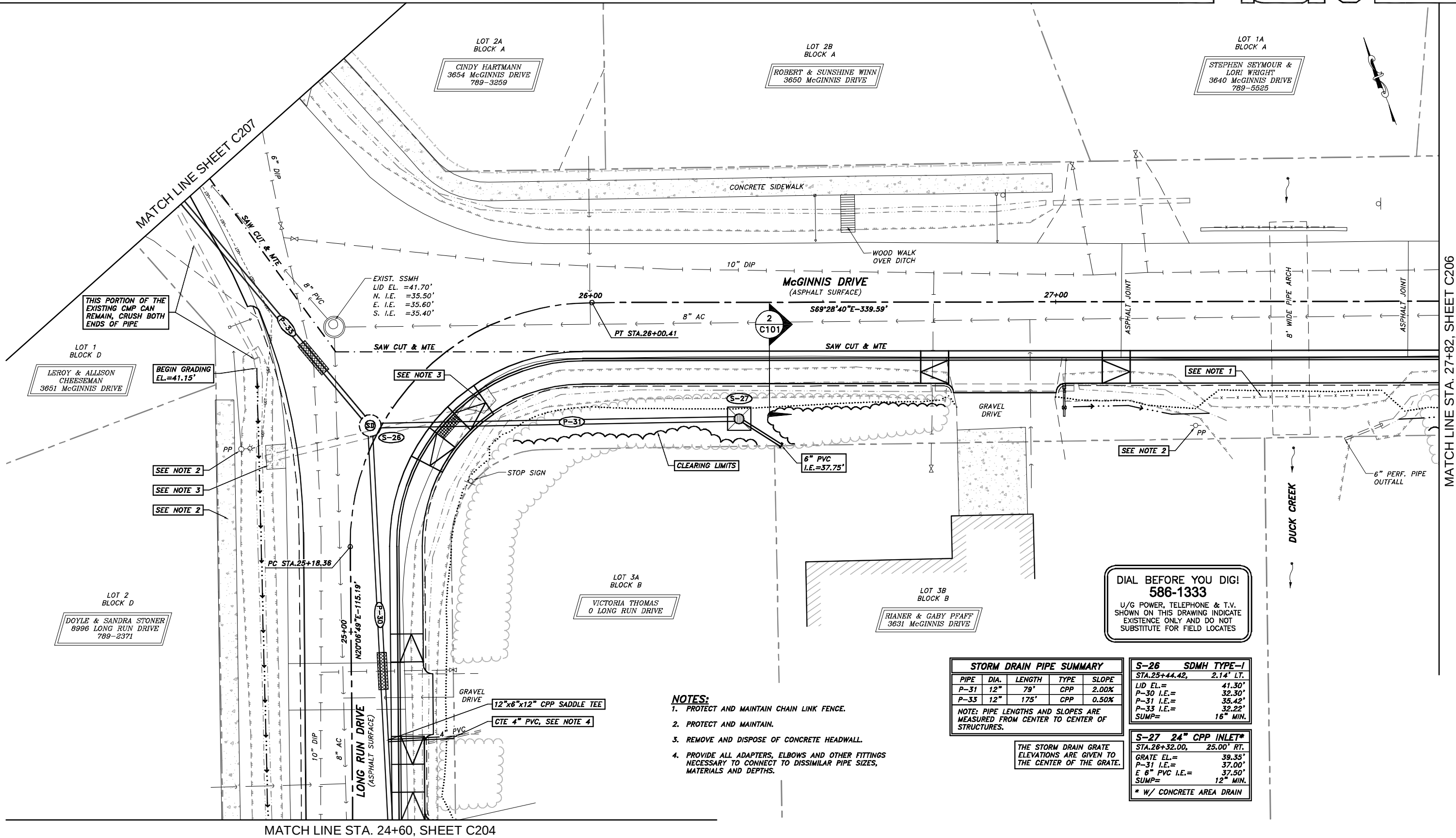
PLAN - LONG RUN DRIVE
STA.21+80 to STA.24+60



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**LONG RUN DRIVE
SIDEWALK AND DRAINAGE
RECONSTRUCTION**
CBJ CONTRACT No. E11-151
CITY & BOROUGH OF JUNEAU, ALASKA

DATE: OCT. 8, 2010
R & M NO. 101340
SHEET C204



MATCH LINE STA. 27+82, SHEET C206

- NOTES:**
1. PROTECT AND MAINTAIN CHAIN LINK FENCE.
 2. PROTECT AND MAINTAIN.
 3. REMOVE AND DISPOSE OF CONCRETE HEADWALL.
 4. PROVIDE ALL ADAPTERS, ELBOWS AND OTHER FITTINGS NECESSARY TO CONNECT TO DISSIMILAR PIPE SIZES, MATERIALS AND DEPTHS.

STORM DRAIN PIPE SUMMARY				
PIPE	DIA.	LENGTH	TYPE	SLOPE
P-31	12"	79'	CPP	2.00%
P-33	12"	175'	CPP	0.50%

NOTE: PIPE LENGTHS AND SLOPES ARE MEASURED FROM CENTER TO CENTER OF STRUCTURES.

S-26	SDMH TYPE-1
STA.25+44.42,	2.14' LT.
LID EL.=	41.30'
P-30 I.E.=	32.30'
P-31 I.E.=	35.42'
P-33 I.E.=	32.22'
SUMP=	16" MIN.

S-27	24" CPP INLET*
STA.26+32.00,	25.00' RT.
GRATE EL.=	39.35'
P-31 I.E.=	37.00'
E 6" PVC I.E.=	37.50'
SUMP=	12" MIN.

* W/ CONCRETE AREA DRAIN

THE STORM DRAIN GRATE ELEVATIONS ARE GIVEN TO THE CENTER OF THE GRATE.

DESIGN JMP/KAP
DRAWN KAP/MLL
CHECK JMP
APPROVED JMP
FILE:

No.	DATE	REVISION	BY	APRVD.

PLAN - LONG RUN DRIVE /
McGINNIS DRIVE
STA.24+60 to STA.27+82

GRAPHIC SCALE

0' 5' 10' 20' 40'

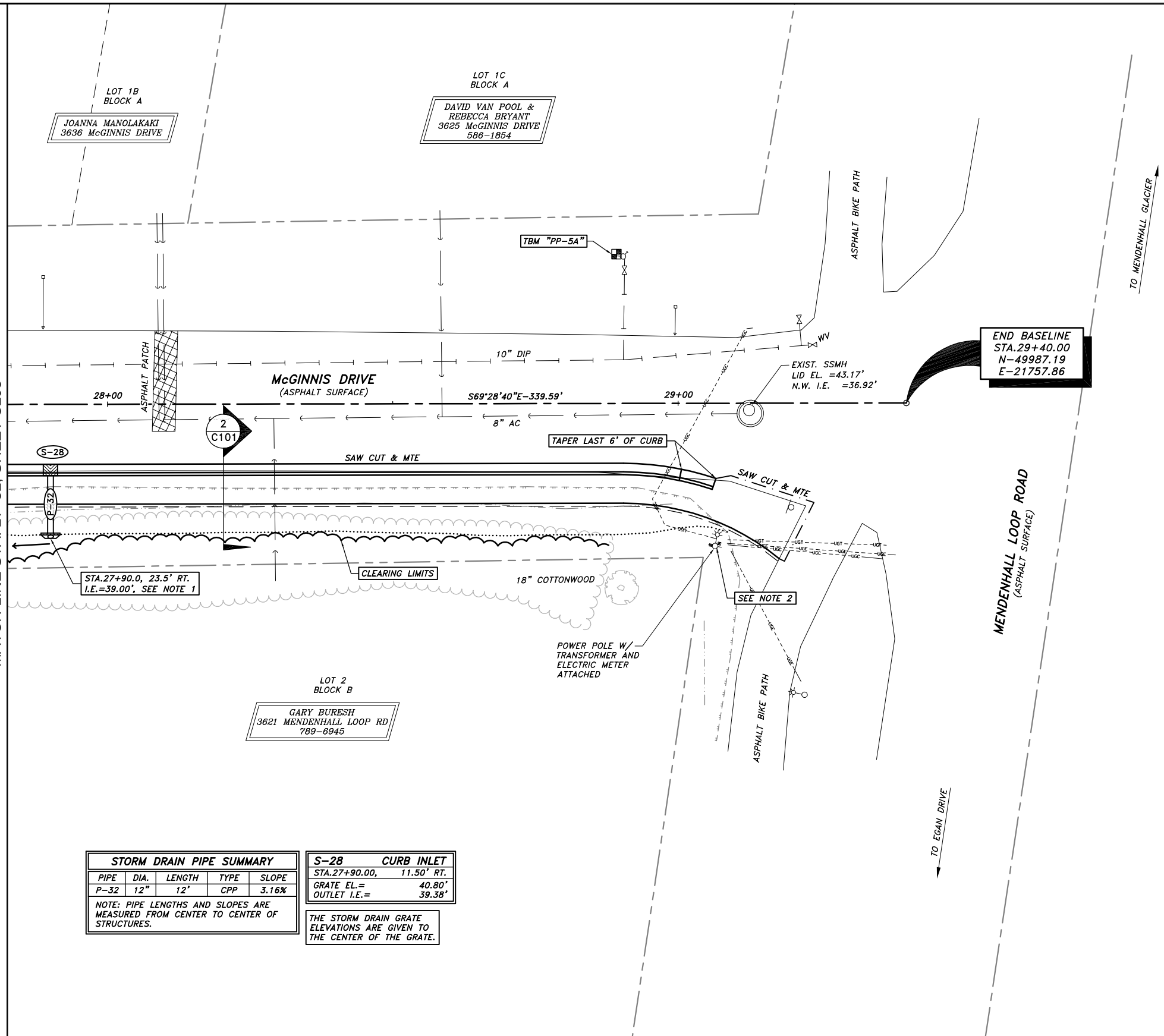


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**LONG RUN DRIVE
SIDEWALK AND DRAINAGE
RECONSTRUCTION**
CBJ CONTRACT No. E11-151
CITY & BOROUGH OF JUNEAU, ALASKA

DATE: OCT. 8, 2010
R & M NO. 101340
SHEET C205

MATCH LINE STA. 27+82, SHEET C205



STORM DRAIN PIPE SUMMARY				
PIPE	DIA.	LENGTH	TYPE	SLOPE
P-32	12"	12'	CPP	3.16%

NOTE: PIPE LENGTHS AND SLOPES ARE MEASURED FROM CENTER TO CENTER OF STRUCTURES.

S-28	CURB INLET
STA. 27+90.00,	11.50' RT.
GRATE EL. =	40.80'
OUTLET I.E. =	39.38'

THE STORM DRAIN GRATE ELEVATIONS ARE GIVEN TO THE CENTER OF THE GRATE.

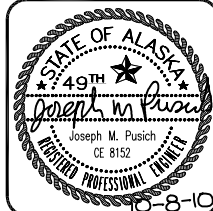
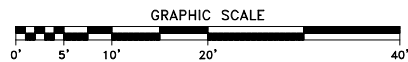
- NOTES:**
1. INSTALL CONCRETE CULVERT HEADWALL WITHOUT HINGED TRASH RACK PER CBJ STANDARD No. 104B.
 2. PROTECT AND MAINTAIN POWER POLE, RISERS AND CONDUIT.

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PLAN - McGINNIS DRIVE
STA. 27+82 to STA. 29+40



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**LONG RUN DRIVE
SIDEWALK AND DRAINAGE
RECONSTRUCTION**
CBJ CONTRACT No. E11-151
CITY & BOROUGH OF JUNEAU, ALASKA

DATE: OCT. 8, 2010
R & M NO. 101340
SHEET **C206**

NOTES:

1. PROVIDE ALL ADAPTERS, ELBOWS AND OTHER FITTINGS NECESSARY TO CONNECT TO DISSIMILAR PIPE SIZES, MATERIALS AND DEPTHS.
2. REMOVE AND DISPOSE OF CATCH BASIN, AREA DRAIN AND PIPING.
3. PROTECT AND MAINTAIN POWER POLE, GUY WIRES AND UTILITY BOXES.

LOT 2A
BLOCK A

CINDY HARTMANN
3654 MCGINNIS DRIVE
789-3259

EXIST. CATCH BASIN
GRATE EL.=40.18'
S.W. I.E.=36.68'

REMOVE EXIST. 18" CPP, CONNECT P-34 TO EXIST. SDMH.
P-34 I.E.=31.11'

EXIST. SDMH
LID EL.=42.61'
N.E. I.E.=33.31'
S.W. I.E.=31.11'
W. I.E.=29.41'
N.W. I.E.=32.51'

EXIST. CATCH BASIN
GRATE EL.=40.22'
N. I.E.=36.32'

EXIST. CATCH BASIN
GRATE EL.=40.25'
S.E. I.E.=33.09'

EXIST. SSMH
LID EL.=42.31'
N. I.E.=35.23'
W. I.E.=34.95'
S. I.E.=35.25'

MCGINNIS DRIVE
(ASPHALT SURFACE)

MATCH LINE SHEET C205

BEGIN GRADING
EL.=41.00'

LOT 1
BLOCK D

LEROY & ALLISON
CHEESEMAN
3651 MCGINNIS DRIVE

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STORM DRAIN PIPE SUMMARY				
PIPE	DIA.	LENGTH	TYPE	SLOPE
P-34	12"	30'	CPP	0.50%

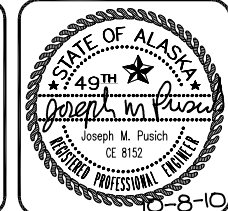
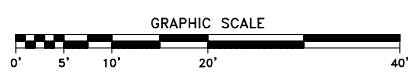
NOTE: PIPE LENGTHS AND SLOPES ARE MEASURED FROM CENTER TO CENTER OF STRUCTURES.

S-29	SDMH TYPE-I*
STA.25+59.54,	173.91' LT.
GRATE EL.=	40.20'
P-33 I.E.=	31.34'
P-34 I.E.=	31.26'
W 6" PVC I.E.=	37.50'±
SUMP=	16" MIN.

* W/ CONCRETE AREA DRAIN

THE STORM DRAIN GRATE ELEVATIONS ARE GIVEN TO THE CENTER OF THE GRATE.

PLAN - MCGINNIS DRIVE
STORM DRAIN CONNECTION



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SIDEWALK AND DRAINAGE
RECONSTRUCTION**
CBJ CONTRACT No. E11-151
CITY & BOROUGH OF JUNEAU, ALASKA

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