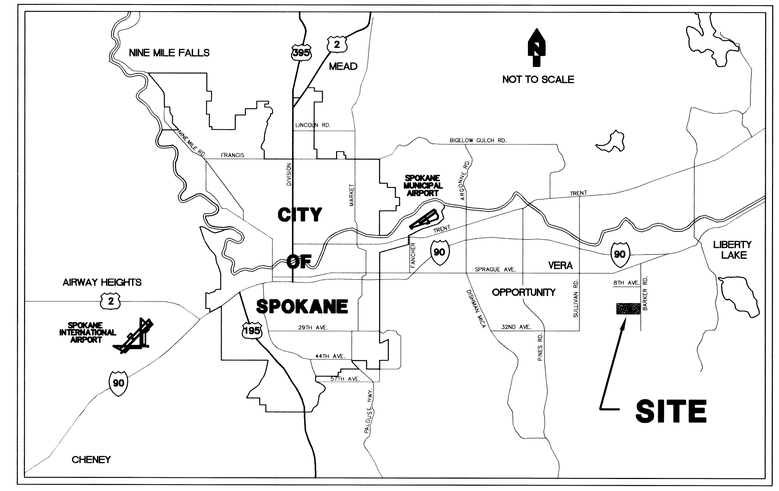
ROAD AND DRAINAGE PLANS FOR:

TURTLE CREEK SOUTH FIRST ADDITION

SPOKANE, WASHINGTON

SE 1/4 OF S.19, T.25 N., R. 45 EAST, W.M.



LOCATION MAP

SCHEDULE OF DRAWINGS

SHEET NO. PLAN

1 . . . . . COVER SHEET
2 . . . . . FINAL PLAT (1 OF 2) (NOT INCLUDED)
3 . . . . . FINAL PLAT (2 OF 2) (NOT INCLUDED)
4 . . . . . OFF-SITE PEDESTRIAN PATHWAY PLAN - (NOT INCLUDED, PREVIOUSLY CONSTRUCTED) (BY INLAND PACIFIC ENGINEERING)

ROAD

5 . . . . . 11TH AVENUE STA. 11+60.40 TO STA. 23+80.72
6 . . . . . 11TH AVENUE STA. 23+80.72 TO STA. 33+42.32
7 . . . . . JESSICA LANE/LINDSAY LANE/GREENACRES ROAD
8 . . . . . BARKER ROAD STA. 14+01.85 TO STA. 19+12.50

DRAINAGE

9 . . . . . OVERALL STORMWATER MASTER PLAN (EAST)
10 . . . . . OVERALL STORMWATER MASTER PLAN (WEST)
11 . . . . . DETAIL SHEET
12 . . . . . EROSION AND SEDIMENT CONTROL PLAN (NOT INCLUDED)

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: 1815A
DATE ACCEPTED: 12/12/03

LEGEND

○	EXIST. MANHOLE		NEW HANDICAP RAMP
DW	EXIST. DRYWELL		NEW CURB INLET
CB	EXIST. CATCH BASIN	MON.	MONUMENT
⋈	EXIST. WATER VALVE	○	NEW SEWER MANHOLE
	EXIST. FIRE HYDRANT	∘	NEW CLEAN OUT
— — W — —	EXIST. WATER LINE	⋈	NEW WATER VALVE
1960	EXIST. CONTOUR		NEW FIRE HYDRANT
— —SS— —	EXIST. SANITARY SEWER	W	NEW WATER LINE
	EASEMENT LINE	SS	NEW SANITARY SEWER
	EXIST. ASPHALT		PLAT BOUNDARY
			NEW LOT LINES
			NEW CURB AND GUTTER
			NEW SIDEWALK
			NEW WATER LINE PLUG
			DRAINAGE FLOW
			DRAINAGE DITCH/ROADSIDE SWALE
		2160	FINISH CONTOUR
		TC 2145.00	FINISH GRADE ELEVATION

I HAVE REVIEWED THE CONSTRUCTION AND TO MY KNOWLEDGE FIND IT TO BE IN SUBSTANTIAL CONFROMANCE WITH THE APPROVED CERTIFIED PLANS AND STANDARD SPECIFICATIONS EXCEPT AS NOTED.

The design improvements shown in this set of plans and calculations conform to the applicable editions of the Spokane County Standards for Road and Sewer Construction and the Spokane County Guidelines for Stormwater Management. All design deviations have been approved by the Spokane County Engineer. I approve these plans for construction.

Developer's Approval ORIGINALLY SIGNED BY RICHARD T. DAHM – PRESIDENT *Date* 05/13/02

MARK A. ARONSON, STATE OF WASHINGTON, 24681, REGISTERED PROFESSIONAL ENGINEER, 2/11/03, EXPIRES 03/10/05

REVISIONS
1. RESUBMITTED FOR FINAL APPROVAL 10/23/01
2. RECORD DRAWING

DWN: CWD DATE: 05/01/01
CK'D: SAA DATE: 03/27/01

Taylor Engineering, Inc.
Civil Design and Land Planning
W. 106 Mission Ave.
Spokane, Washington 99201
(509) 328-3371 FAX (509) 328-8224

SCALE: N/A

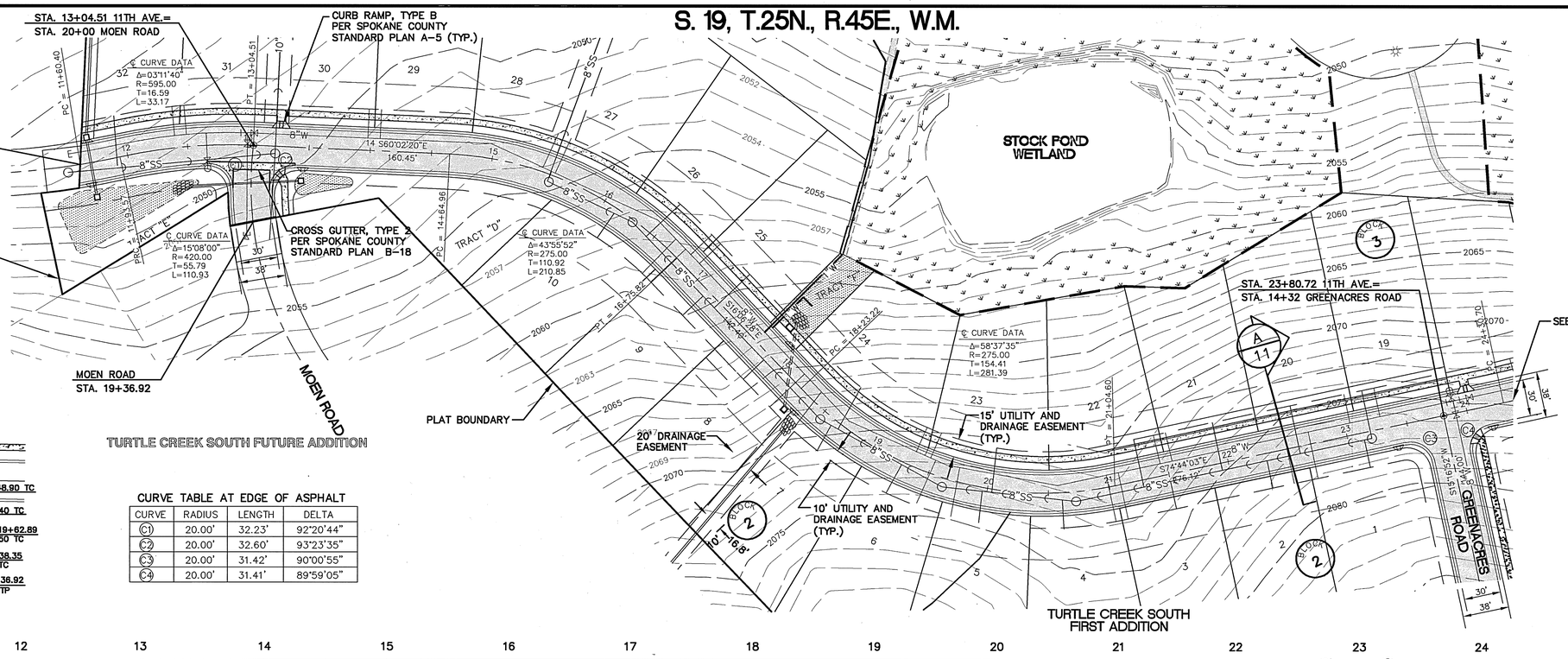
1 / 12

TURTLE CREEK SOUTH
FIRST ADDITION
COVER SHEET

CADD ACCESS NAME: 00-023COV

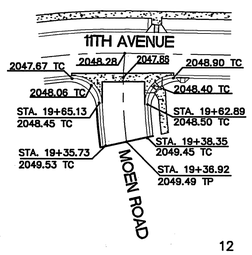
P-1815A Eng As-Built

S. 19, T.25N., R.45E., W.M.



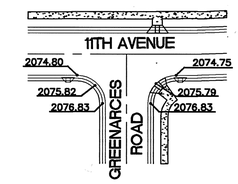
NOTES:

1. SEE SHEET 6 FOR CONSTRUCTION NOTES
2. SEE SHEET 8 AND 9 FOR DRAINAGE STRUCTURES AND CONSTRUCTION

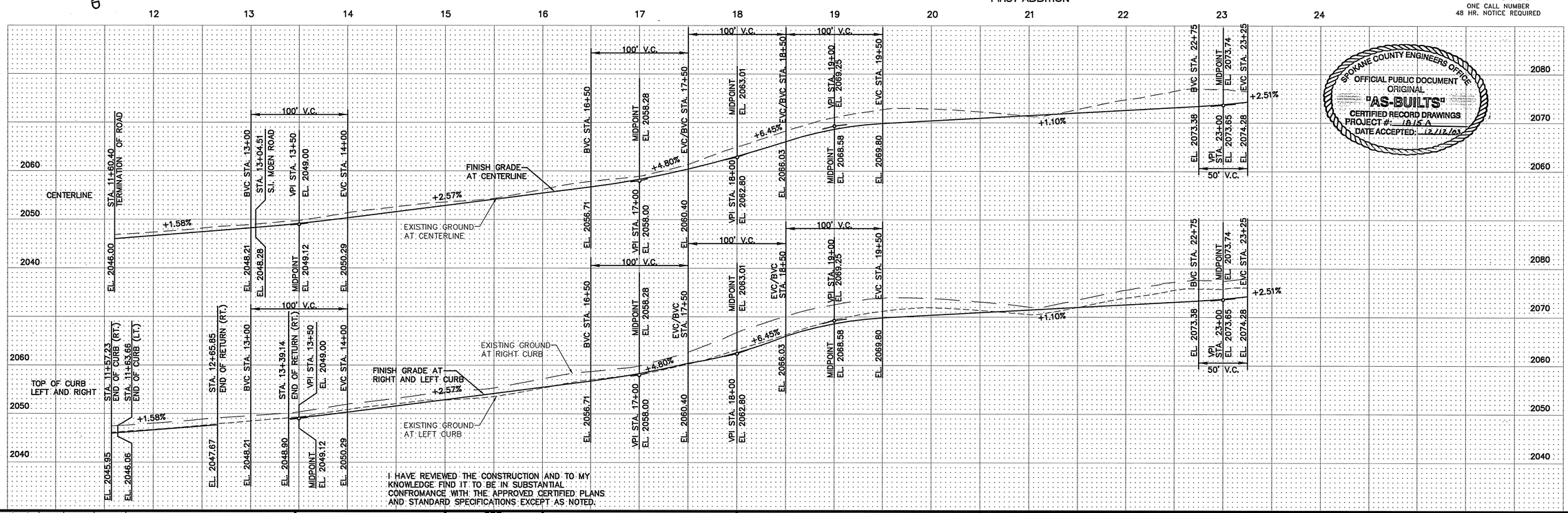


CURVE TABLE AT EDGE OF ASPHALT

CURVE	RADIUS	LENGTH	DELTA
C1	20.00'	32.23'	92°20'44"
C2	20.00'	32.60'	93°23'35"
C3	20.00'	31.42'	90°00'55"
C4	20.00'	31.41'	89°59'05"



CALL
BEFORE YOU DIG
456-8000
ONE CALL NUMBER
48 HR. NOTICE REQUIRED



I HAVE REVIEWED THE CONSTRUCTION AND TO MY KNOWLEDGE FIND IT TO BE IN SUBSTANTIAL CONFROMANCE WITH THE APPROVED CERTIFIED PLANS AND STANDARD SPECIFICATIONS EXCEPT AS NOTED.

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: 1815 A
DATE ACCEPTED: 12/12/03

No.	Date	By	Ckd.	Appr.	Revisions
	11/20/03	GRG		MAA	RECORD DRAWING

		Date
Drawn	CWD	05/01/01
Designed	SAA	03/27/01
Checked	MAA	05/01/01

MARK A. ARONSON — STATE OF WASHINGTON — 24681 — REGISTERED PROFESSIONAL ENGINEER — 12/11/03
EXPIRES 03/10/05

Taylor Engineering, Inc.
Civil Design and Land Planning
W. 106 Mission Ave.
Spokane, Washington 99201
(509) 328-3371 FAX (509) 328-8224

SPOKANE COUNTY PUBLIC WORKS
DIVISION OF ENGINEERING AND ROADS
W. 1026 Broadway Ave.
Spokane Wa. 99260-0170
477-3600

Developer's Approval: ORIGINALLY SIGNED BY RICHARD T. DAHM – PRESIDENT Date 05/13/02

TBM
BASED ON FOUND B.M. NO. 62
PER SPOKANE VALLEY INTERCEPTOR
PLANS, CONSTRUCTION PACKAGE NO.
V, SHEET 15 OF 20, BY BOVAY
ENGINEERS, INC.
ELEVATION = 2032.21

SCALE
HORIZ. 1"=50'
VERT. 1"=10'
CADD FILE: 00-023R1

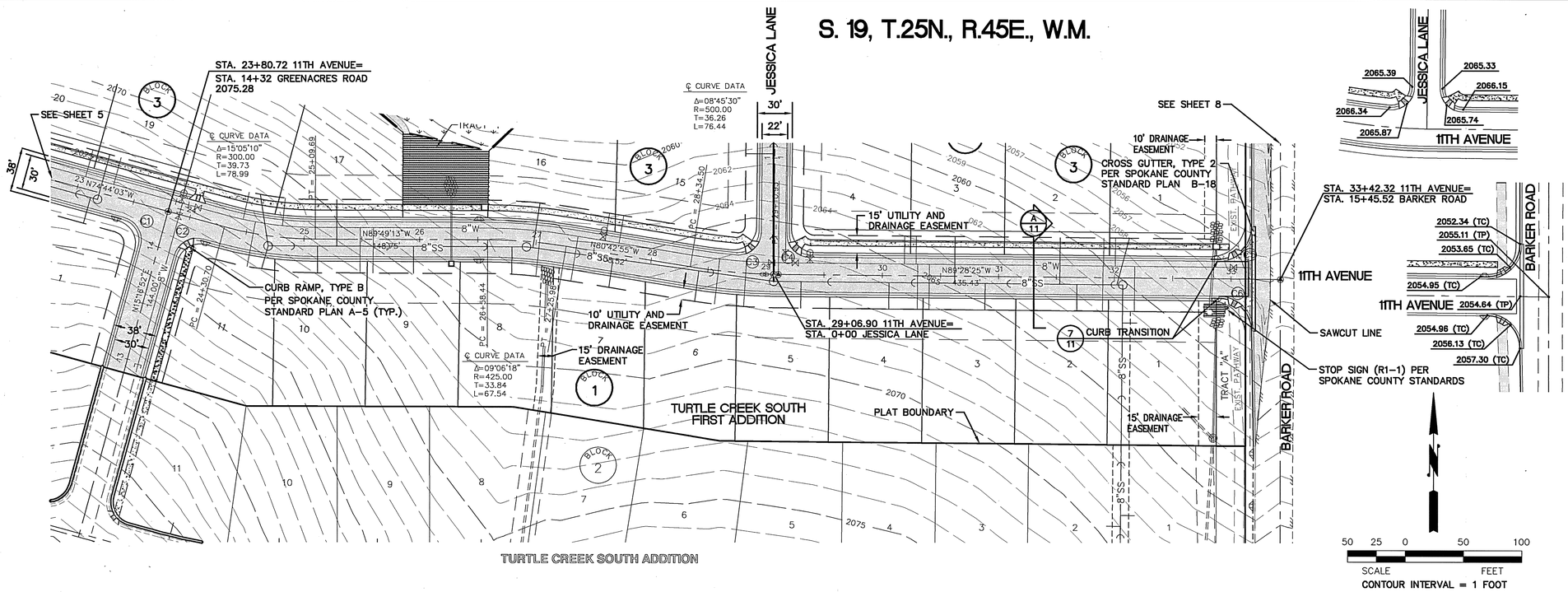
TURTLE CREEK SOUTH
FIRST ADDITION

11TH AVENUE
STA. 11+60.40 TO STA. 23+80.72

ROAD
SHEET 5 / 12

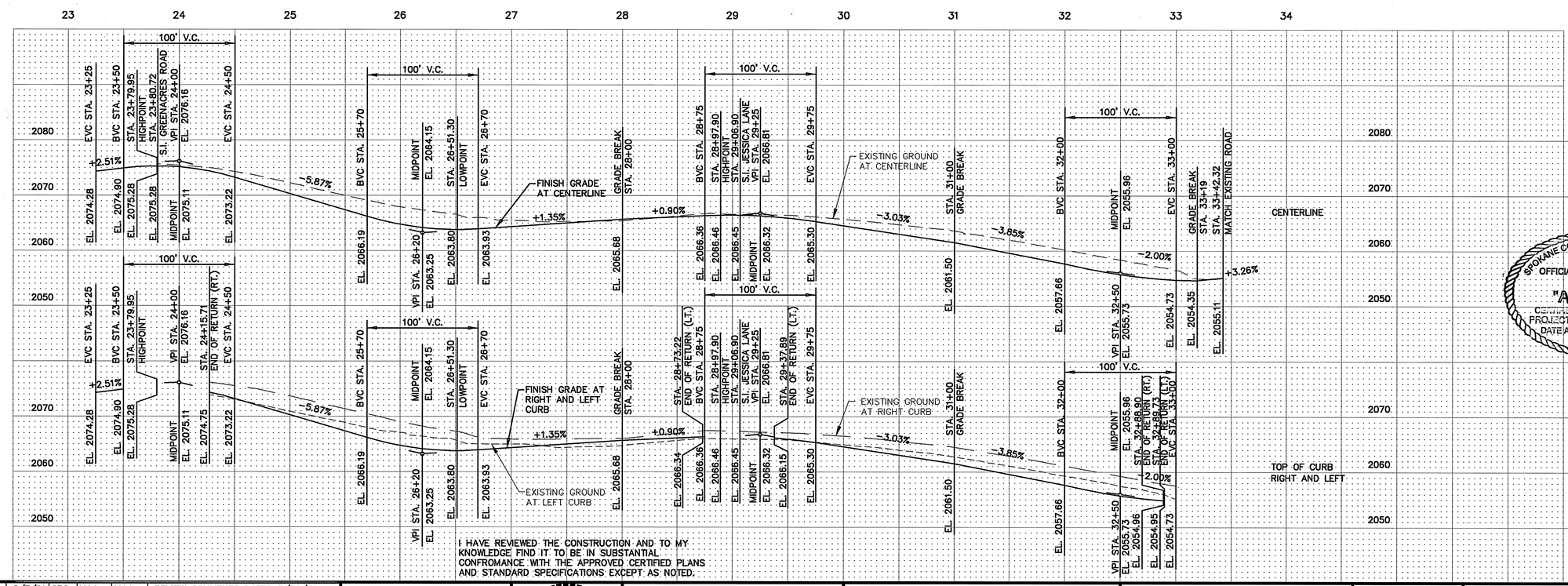
P-1815-A Eng As-Builts

S. 19, T.25N., R.45E., W.M.



NOTES:

1. STREET NAME SIGNS SHALL BE INSTALLED PER SPOKANE COUNTY STANDARDS.
2. CONTRACTOR SHALL INSTALL FILTER FABRIC OVER CATCH BASIN GRATES DURING CONSTRUCTION AND PERIODICALLY CLEAN DEBRIS COLLECTED ON FABRIC. IF THE FILTER FABRIC, FOR ANY REASON, IS REMOVED DURING CONSTRUCTION, IT IS THE CONTRACTOR'S RESPONSIBILITY TO CLEAN OUT THE CATCH BASIN AND REPLACE FILTER FABRIC.
3. ALL WORK AND MATERIALS SHALL BE IN CONFORMANCE WITH "SPOKANE COUNTY STANDARDS FOR ROAD AND SEWER CONSTRUCTION" 1999, AND AS AMENDED.
4. LOCATIONS OF EXISTING UTILITIES SHOWN IN THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES. ANY CONFLICTING UTILITIES SHALL BE RELOCATED PRIOR TO CONSTRUCTION OF ROAD AND DRAINAGE FACILITIES.
5. THE CONTRACTOR IS REQUIRED TO HAVE A COMPLETE SET OF THE APPROVED ROAD AND DRAINAGE PLANS ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
6. IF THE CONTRACTOR DISCOVERS ANY DISCREPANCIES BETWEEN THE PLANS AND EXISTING CONDITIONS ENCOUNTERED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE DESIGN ENGINEER AND THE SPOKANE COUNTY ENGINEER'S OFFICE.
7. PRIOR TO SITE CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR LOCATING UNDERGROUND UTILITIES. CALL THE UNDERGROUND UTILITY LOCATION SERVICE AT 456-8000 BEFORE YOU DIG.
8. CENTERLINE MONUMENTS SHALL BE INSTALLED AT ALL INTERSECTIONS.
9. FOR ANY CURB GRADES LESS THAN 0.8% (.008 FT/FT), A WASHINGTON STATE-LICENSED PROFESSIONAL LAND SURVEYOR SHALL VERIFY THAT THE CURB FORMS ARE AT THE GRADES NOTED ON THE APPROVED PLANS, PRIOR TO PLACEMENT OF CRB MATERIAL. THE CONTRACTOR IS RESPONSIBLE FOR ARRANGING AND COORDINATING WORK WITH THE PROFESSIONAL LAND SURVEYOR.
10. THE CONTRACTOR SHALL EMPLOY A LICENDED SURVEYOR TO VERIFY THAT THE CROSS-GUTTER FORMS ARE AT THE CORRECT PLANE GRADE PRIOR TO CONCRETE PLACEMENT. THE CROSS-GUTTERS SHAL BE CONSTRUCTED PRIOR TO PAVING, AND THE PAVEMENT SHALL THEN MATCH THE EDGE OF CONCRETE GUTTER.
11. SEE SHEETS 9 AND 10 FOR DRAINAGE STRUCTURES AND CONSTRUCTION.



CURVE TABLE AT EDGE OF ASPHALT

CURVE	RADIUS	LENGTH	DELTA
C1	20.00'	31.42'	90°00'55"
C2	20.00'	31.41'	89°59'05"
C3	20.00'	32.92'	94°19'16"
C4	20.00'	31.42'	89°59'53"
C5	30.00'	47.40'	90°31'42"
C6	30.00'	46.85'	89°28'18"

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: 1815 A
DATE ACCEPTED: 12/12/03

I HAVE REVIEWED THE CONSTRUCTION AND TO MY KNOWLEDGE FIND IT TO BE IN SUBSTANTIAL CONFROMANCE WITH THE APPROVED CERTIFIED PLANS AND STANDARD SPECIFICATIONS EXCEPT AS NOTED.

CALL
BEFORE YOU DIG
456-8000
ONE CALL NUMBER
48 HR. NOTICE REQUIRED

No.	Date	By	Ckd.	Appr.	Revisions
1.	6/7/01	GRG	MAA	MAA	REVIEW COMMENTS DATED 5/30/01
	11/20/03	GRG		MAA	RECORD DRAWING

Drawn CWD Date 05/01/01
Designed SAA 03/27/01
Checked MAA 05/01/01

MARK A. ARONSON, STATE OF WASHINGTON, 24681 REGISTERED PROFESSIONAL ENGINEER, 12/11/03, EXPIRES 03/10/05

Taylor Engineering, Inc.
Civil Design and Land Planning
W. 106 Mission Ave.
Spokane, Washington 99201
(509) 328-3371 FAX (509) 328-8224

SPOKANE COUNTY PUBLIC WORKS
DIVISION OF ENGINEERING AND ROADS
W. 1026 Broadway Ave.
Spokane Wa. 99260-0170
477-3600

Developer's Approval ORIGINALLY SIGNED BY RICHARD T. DAHM - PRESIDENT Date 05/13/02

TBM
BASED ON FOUND B.M. NO. 62 PER SPOKANE VALLEY INTERCEPTOR PLANS, CONSTRUCTION PACKAGE NO. V, SHEET 15 OF 20, BY BOVAY ENGINEERS, INC.
ELEVATION = 2032.21

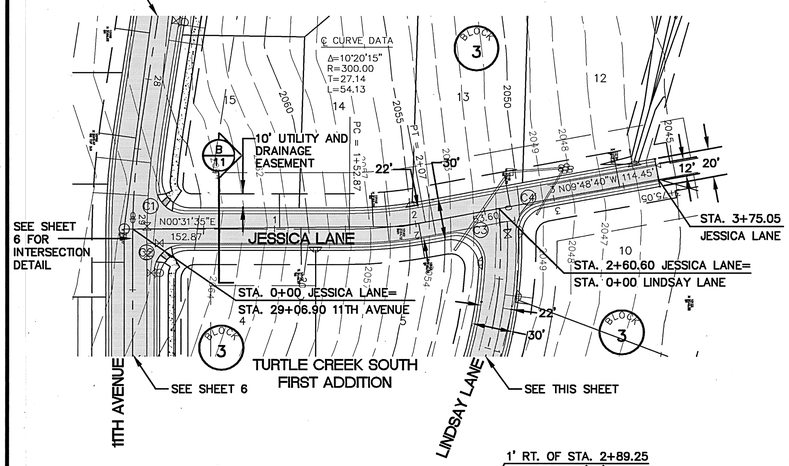
SCALE
HORIZ. 1"=50'
VERT. 1"=10'
CADD FILE: 00-023R2

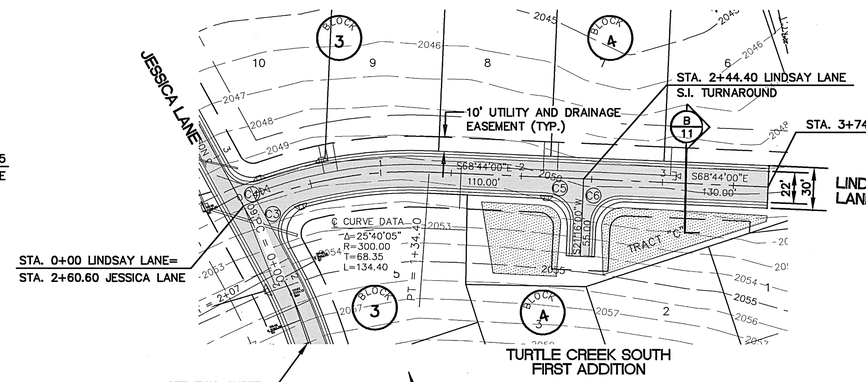
TURTLE CREEK SOUTH FIRST ADDITION
11TH AVENUE
STA. 23+80.72 TO STA. 33+42.32

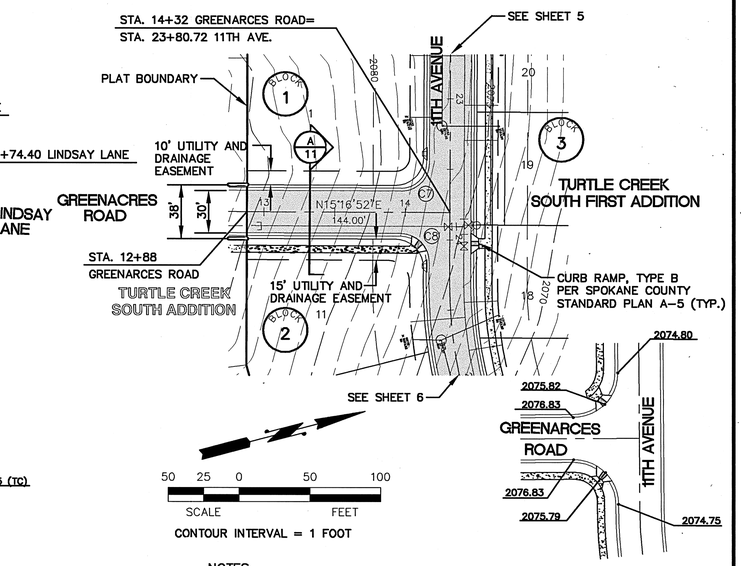
ROAD
SHEET 6 / 12

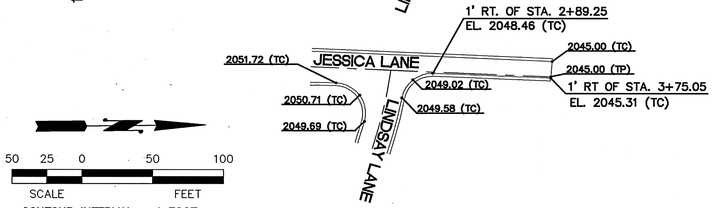
P-1815A Eng As-Built

S. 19, T.25N., R.45E., W.M.



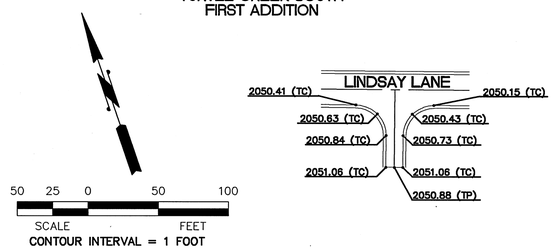


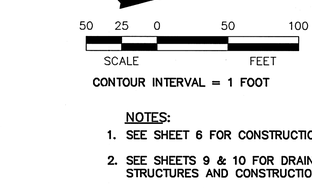




CURVE TABLE AT EDGE OF ASPHALT

CURVE	RADIUS	LENGTH	DELTA
C1	20.00'	32.92'	94°19'16"
C2	20.00'	31.42'	89°59'53"
C3	20.00'	35.86'	102°43'54"
C4	20.00'	28.43'	81°26'14"
C5	20.00'	31.42'	90°00'00"
C6	20.00'	31.42'	90°00'00"
C7	20.00'	31.42'	90°00'55"
C8	20.00'	31.41'	89°59'05"

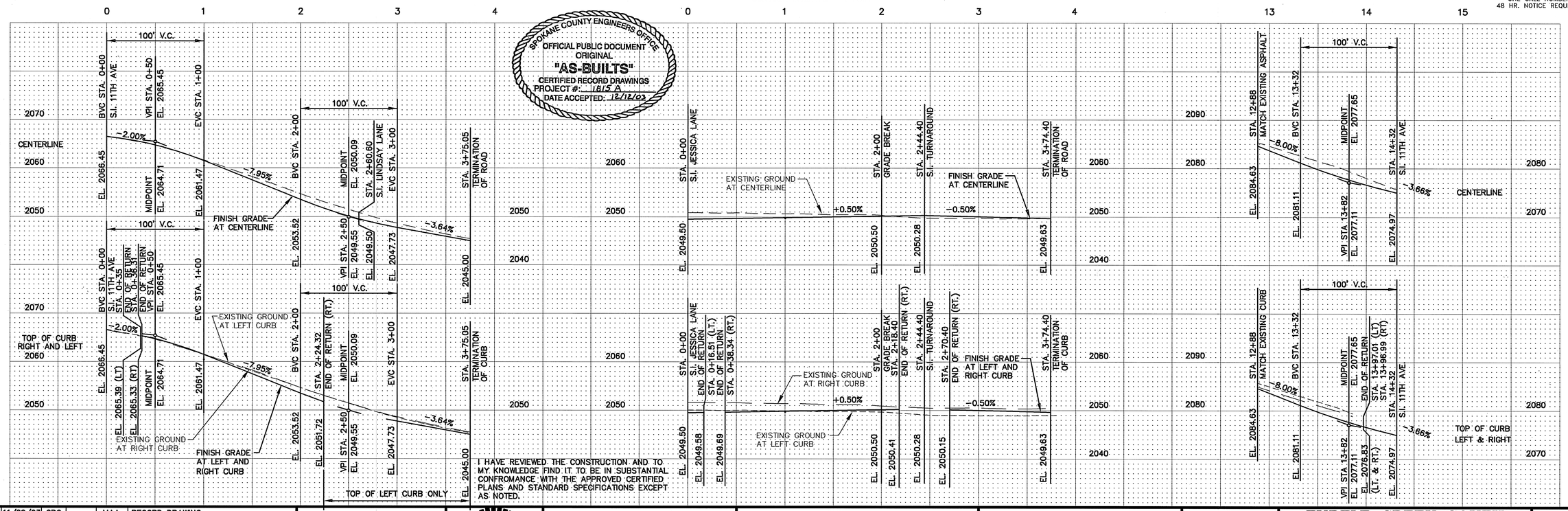




NOTES:

1. SEE SHEET 6 FOR CONSTRUCTION NOTES.
2. SEE SHEETS 9 & 10 FOR DRAINAGE STRUCTURES AND CONSTRUCTION.

CALL BEFORE YOU DIG
456-8000
ONE CALL NUMBER
48 HR. NOTICE REQUIRED



SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: 1815 A
DATE ACCEPTED: 12/12/03

I HAVE REVIEWED THE CONSTRUCTION AND TO MY KNOWLEDGE FIND IT TO BE IN SUBSTANTIAL CONFROMANCE WITH THE APPROVED CERTIFIED PLANS AND STANDARD SPECIFICATIONS EXCEPT AS NOTED.

No.	Date	By	Ckd.	Appr.	Revisions
	11/20/03	GRG		MAA	RECORD DRAWING

		Date
Drawn	CWD	05/01/01
Designed	SAA	03/27/01
Checked	MAA	05/01/01

MARK A. ARONSON — STATE OF WASHINGTON — 24651 — REGISTERED PROFESSIONAL ENGINEER — 12/11/03 — EXPIRES 03/10/05

Taylor Engineering, Inc.
Civil Design and Land Planning
W. 106 Mission Ave.
Spokane, Washington 99201
(509) 328-3371 FAX (509) 328-8224

SPOKANE COUNTY PUBLIC WORKS
DIVISION OF ENGINEERING AND ROADS
W. 1026 Broadway Ave.
Spokane Wa. 99260-0170
477-3600

Developer's Approval ORIGINALLY SIGNED BY RICHARD T. DAHM – PRESIDENT Date 05/13/02

TBM
BASED ON FOUND B.M. NO. 62
PER SPOKANE VALLEY INTERCEPTOR PLANS, CONSTRUCTION PACKAGE NO. V, SHEET 15 OF 20, BY BOVAY ENGINEERS, INC.
ELEVATION = 2032.21

SCALE
HORIZ. 1"=50'
VERT. 1"=10'

CADD FILE: 00-023R3

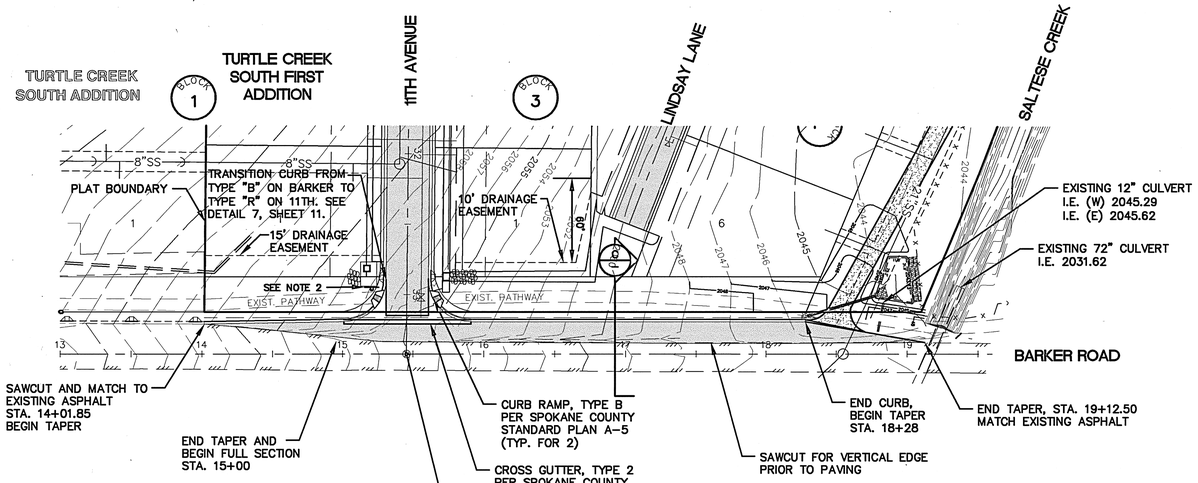
TURTLE CREEK SOUTH FIRST ADDITION

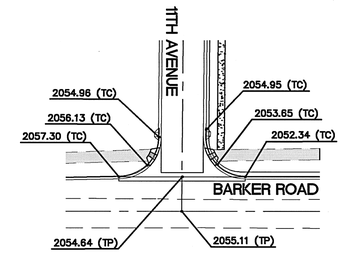
JESSICA LANE
STA. 0+00 TO 3+75.05
LINDSAY LANE
STA. 0+00 TO 3+74.40
GREENACRES ROAD
STA. 12+88 TO 14+32

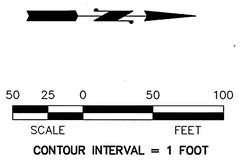
ROAD
SHEET 7 / 12

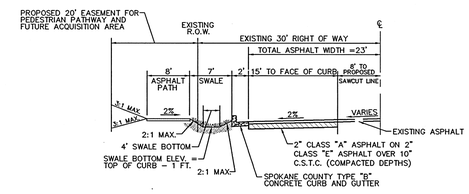
P-1815A Eng. As-Builts

S. 19, T.25N., R.45E., W.M.









C – BARKER ROAD CROSS-SECTION
NOT TO SCALE

NOTES:

1. 4" WHITE FOG LINE WITH W.S.D.O.T. SPECIFICATION PAINT AND BEADS, 12' LT. OF CENTERLINE. STA. 14+01.85 TO STA. 15+00 AND STA. 15+92 TO STA. 18+28.
2. STOP SIGN (R1-1) PER SPOKANE COUNTY STANDARDS.
3. TAPER STA. 18+28 (23' LT.) TO STA. 19+12.50 (APPROX. 8' LT.). CROSS SLOPE TAPER AT 2% (MIN.) FROM SAWCUT.
4. SEE SHEET 6 FOR CONSTRUCTION NOTES.
5. SEE SHEETS 9 & 10 FOR DRAINAGE STRUCTURES AND CONSTRUCTION.

CALL
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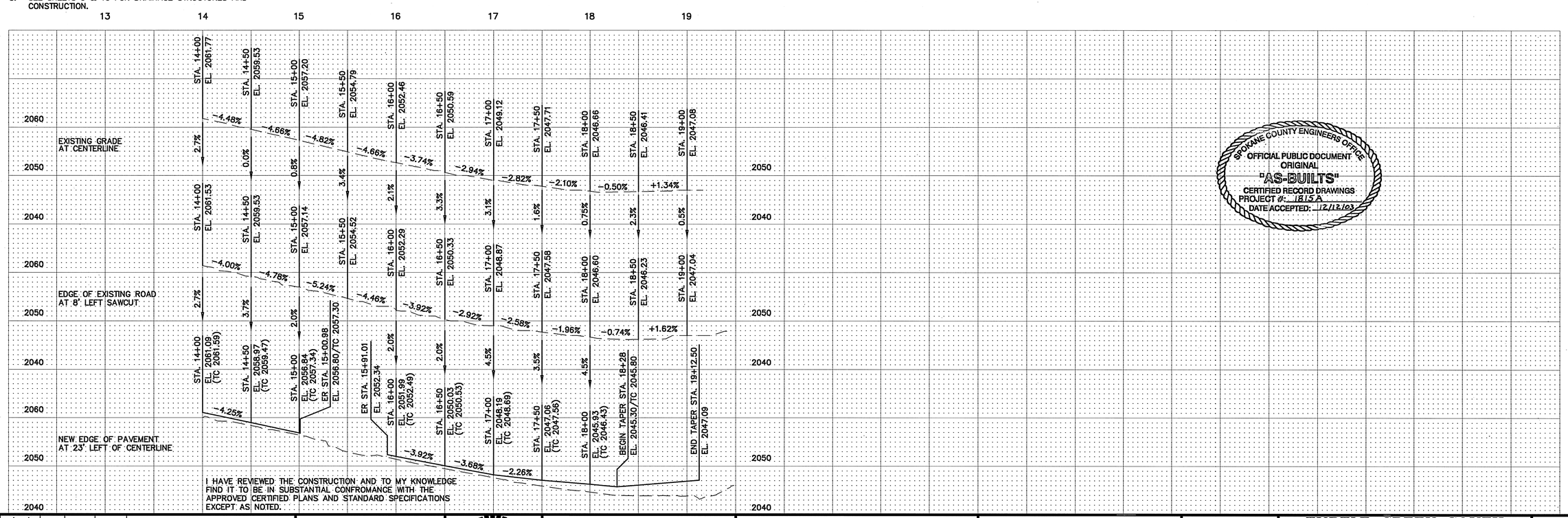
456-8000
ONE CALL NUMBER
48 HR. NOTICE REQUIRED



I HAVE REVIEWED THE CONSTRUCTION AND TO MY KNOWLEDGE FIND IT TO BE IN SUBSTANTIAL CONFROMANCE WITH THE APPROVED CERTIFIED PLANS AND STANDARD SPECIFICATIONS EXCEPT AS NOTED.

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
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"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: 1815A
DATE ACCEPTED: 12/12/03

No.	Date	By	Ckd.	Appr.	Revisions
	11/20/03	GRG		MAA	RECORD DRAWING

Drawn CWD 05/01/01
Designed SAA 03/27/01
Checked MAA 05/01/01

MARK A. ARONSON — STATE OF WASHINGTON — 24681 — REGISTERED PROFESSIONAL ENGINEER — 12/11/03 — EXPIRES 03/10/03

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W. 1026 Broadway Ave.
Spokane Wa. 99260-0170
477-3600

Developer's Approval ORIGINALLY SIGNED BY RICHARD T. DAHM – PRESIDENT Date 05/13/02

TBM
BASED ON FOUND B.M. NO. 62 PER SPOKANE VALLEY INTERCEPTOR PLANS, CONSTRUCTION PACKAGE NO. V, SHEET 15 OF 20, BY BOVAY ENGINEERS, INC. ELEVATION = 2032.21

SCALE
HORIZ. 1"=50'
VERT. 1"=10'
CADD FILE: 00023R4

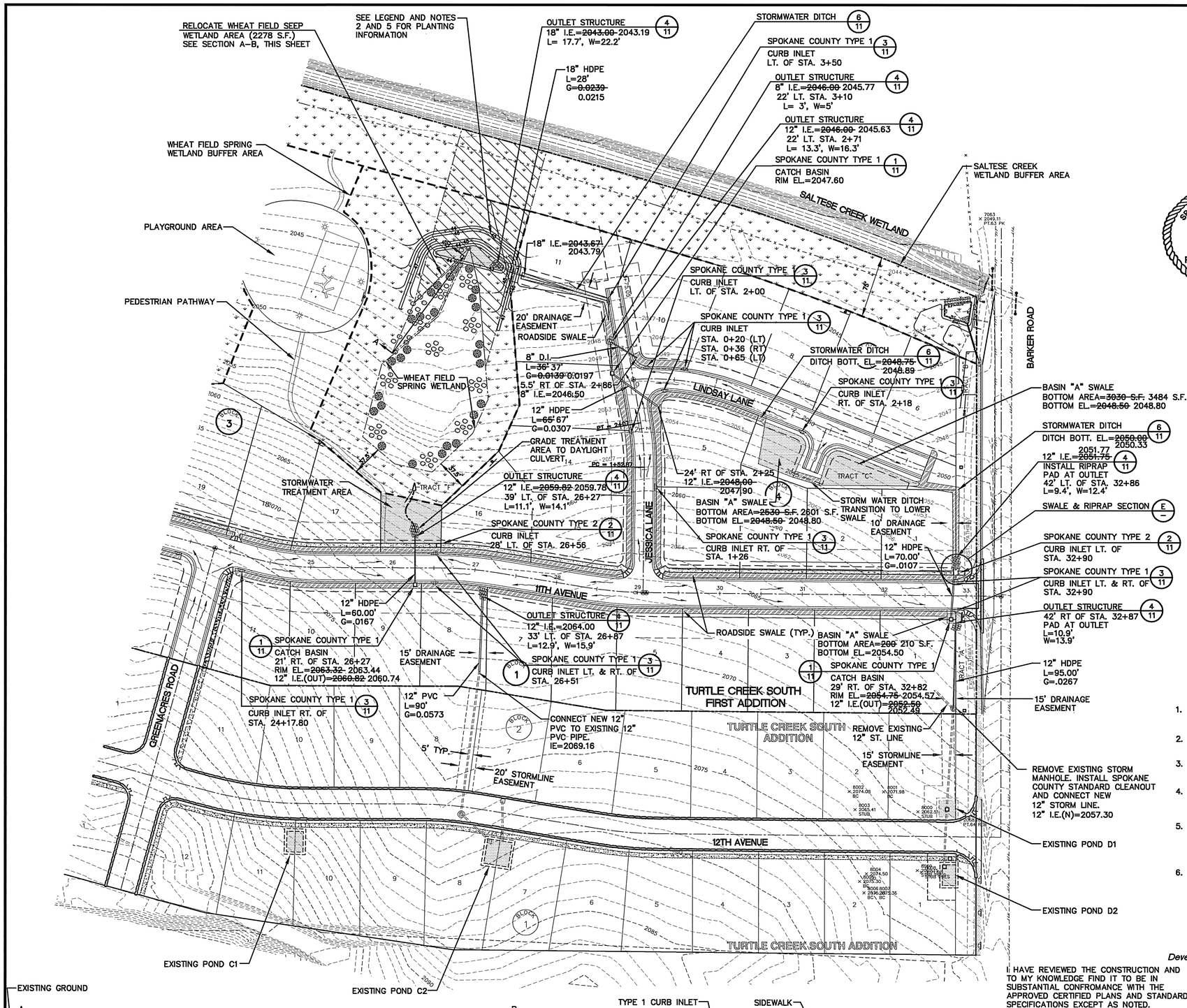
TURTLE CREEK SOUTH FIRST ADDITION

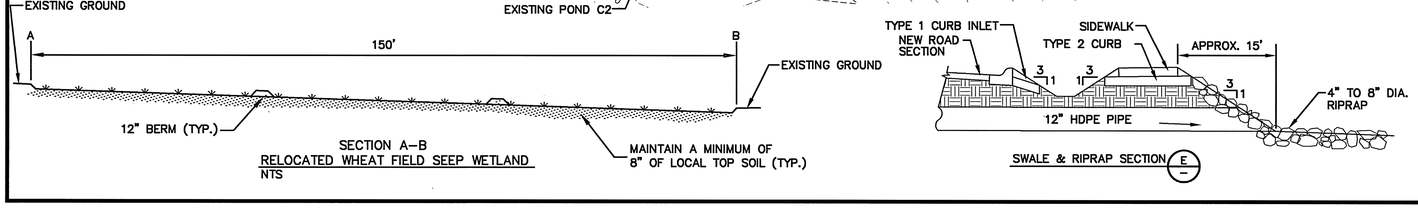
BARKER ROAD
STA. 14+01.85 TO STA. 19+12.50

ROAD
SHEET 8 / 12

R 1815A Eng As-Built

TURTLE CREEK SOUTH FIRST ADDITION STORMWATER MASTER PLAN (EAST)





SECTION A–B
RELOCATED WHEAT FIELD SEEP WETLAND
NTS

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P-18159A
DATE ACCEPTED: 12/12/03

LEGEND

- EXISTING CONTOUR LINE
- PROPOSED ROADWAY
- WETLAND BUFFER ZONE
- STORMWATER OVERFLOW AREA
- STORMWATER TREATMENT AREA
- PROPOSED CATCH BASIN
- PROPOSED STORMWATER MANHOLE
- EXISTING STORMWATER MANHOLE
- DRAINAGE FLOW ARROW
- PROPOSED OUTLET STRUCTURE
- PROPOSED STORM PIPE
- EXISTING STORM PIPE
- PROPOSED PEDESTRIAN PATHWAY
- PROPOSED SIDEWALK
- PROPOSED STORMWATER DITCH
- PROPOSED CURB INLET
- PROJECT PHASE BOUNDARY
- PROPOSED SIDEWALK INLET
- WETLAND BUFFER TREE
- WETLAND BUFFER SHRUB
- WETLAND TREE
- WETLAND SHRUB
- WETLAND BUFFER BOUNDARY MARKER

60 30 0 60 120
SCALE FEET
CONTOUR INTERVAL = 1 FOOT

TBM
BASED ON FOUND B.M. NO. 62 PER SPOKANE VALLEY INTERCEPTOR PLANS, CONSTRUCTION PACKAGE NO. V, SHEET 15 OF 20, BY BOVAY ENGINEERS, INC. ELEVATION = 2032.21

GENERAL NOTES:

1. WETLAND AND BUFFER AREAS ARE SHOWN BASED ON THE "WETLAND EVALUATION AND DELINEATION OF TURTLE CREEK SOUTH REPORT", AS COMPLETED BY GEOGRAPHICAL SERVICES, 1996.
2. WETLAND AND BUFFER PLANTING IS SHOWN BASED ON THE "DETAILED WETLAND MITIGATION PLAN FOR TURTLE CREEK SOUTH REPORT", AS COMPLETED BY GEOGRAPHICAL SERVICES, 1999.
3. WETLAND MANAGEMENT AND MONITORING WILL BE CONDUCTED BY THE TURTLE CREEK SOUTH HOMEOWNERS ASSOCIATION (HOA), AS DIRECTED BY GEOGRAPHICAL SERVICES AND RT DEVELOPMENT.
4. WETLAND BUFFER AND ADJACENT STORMWATER TREATMENT AREAS TO BE PLANTED WITH A STREAM BANK WHEATGRASS. THESE AREAS ARE TO BE MAINTAINED BY THE HOA AND ARE TO BE LEFT UNMOWED.
5. WETLAND SHRUBS SHALL INCLUDE, BUT NOT BE LIMITED TO: WILLOW, COTTONWOOD, AND RED–OSIER DOGWOOD. WETLAND TREES SHALL INCLUDE, BUT NOT BE LIMITED TO: ASPEN, POPULAR AND SPRING BIRCH. PLANTING SHALL BE ACCOMPLISHED IN TRIANGULAR CENTERS, FORMING NATURAL CLUSTERS. SEE APPROVED WETLAND MITIGATION PLAN FOR A DETAILED LIST OF ACCEPTABLE PLANT MATERIALS.
6. THE FLOOR OF A GRASSED PERCOLATION AREA (GPA) SWALE INCLUDES THE LEVEL PORTION OF THE FLOOR OF THE SWALE, AND THE SIDESLOPES OF THE SWALE UP TO THE GPA OVERFLOW ELEVATION OR TOP OF DRYWELL. THE SOIL LOCATED IN THE FLOOR OF THE GPA SWALE SHALL BE A MEDIUM TO WELL–DRAINING MATERIAL, WITH A MINIMUM INFILTRATION RATE OF 0.5 INCHES PER HOUR. THE ENGINEER SHALL PROVIDE A WRITTEN STATEMENT WHICH VERIFIES THAT ALL GPA SWALES CONFORM TO THIS REQUIREMENT. THIS WRITTEN STATEMENT SHALL BE SUBMITTED TO THE SPOKANE COUNTY ENGINEER'S OFFICE PRIOR TO INSTALLING FINISHED LANDSCAPING/SOD AND PRIOR TO FINAL ACCEPTANCE. THE SWALE FLOOR MATERIAL SHALL BE INSTALLED TO A NATIVE SOIL STRATUM WHICH ALSO MEETS OR EXCEEDS THIS MINIMUM PERCOLATION RATE OF 0.5 INCHES PER HOUR.

Developer's Approval ORIGINALLY SIGNED BY RICHARD T. DAHM – PRESIDENT *Date* 05/13/02

I HAVE REVIEWED THE CONSTRUCTION AND TO MY KNOWLEDGE FIND IT TO BE IN SUBSTANTIAL CONFROMANCE WITH THE APPROVED CERTIFIED PLANS AND STANDARD SPECIFICATIONS EXCEPT AS NOTED.

CALL BEFORE YOU DIG 456–8000
ONE CALL NUMBER
48 HR. NOTICE REQUIRED

MARK A. ARONEN STATE OF WASHINGTON 24681 REGISTERED PROFESSIONAL ENGINEER 12/11/03
EXPIRES 03/10/05

REVISIONS
1. REVISED PER REVIEW COMMENTS DATED 5/30/01
2. RESUBMITTED FOR FINAL APPROVAL 10/23/01
3. RECORD DRAWING 11/20/03

DWN: CWD DATE: 05/01/01
CK'D: SAA DATE: 04/18/01

Taylor Engineering, Inc.
Civil Design and Land Planning
W. 106 Mission Ave.
Spokane, Washington 99201
(509) 326-3371 FAX (509) 326-8224

SCALE: 1"=60'

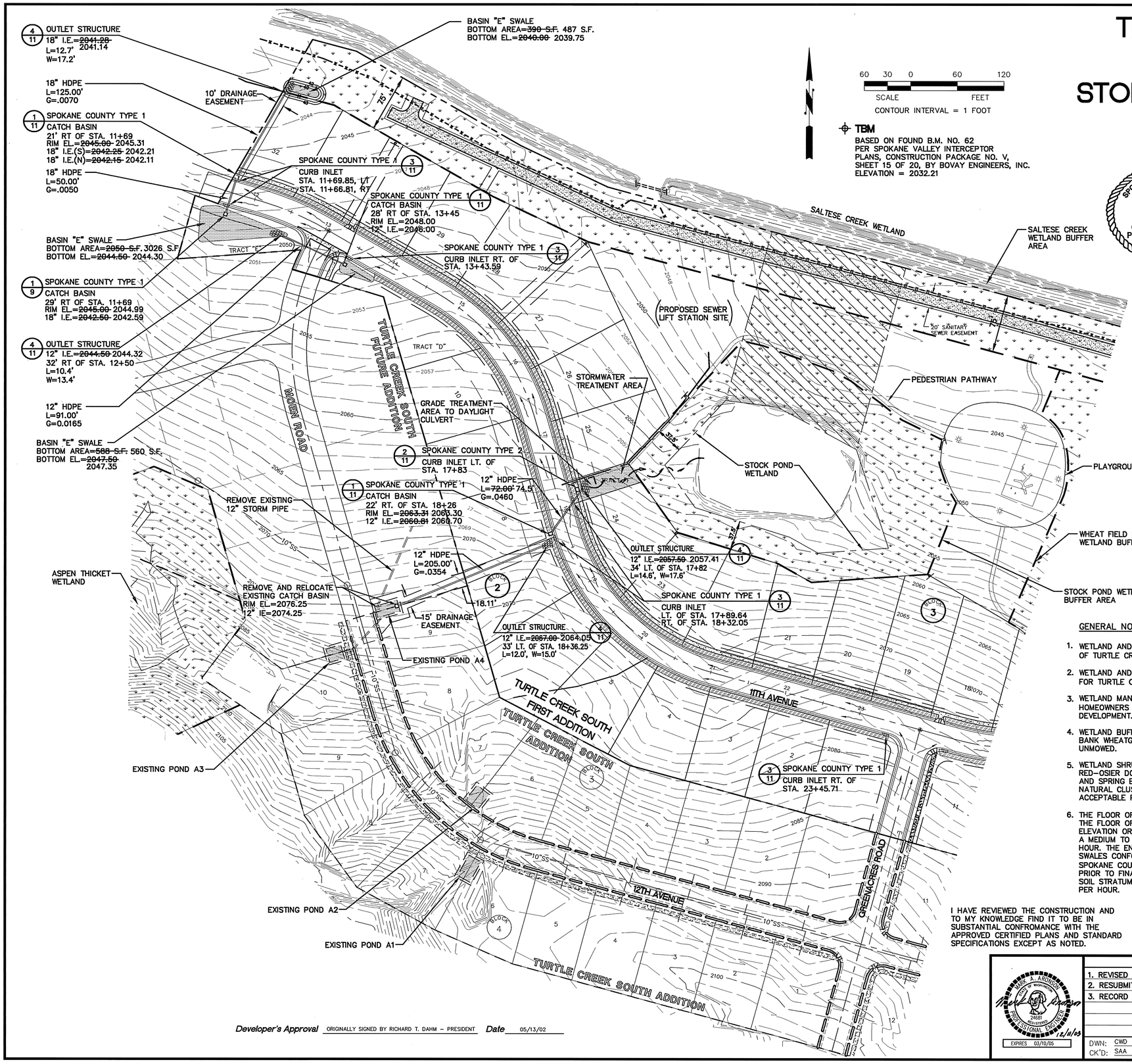
SHEET 9 OF 12

TURTLE CREEK SOUTH FIRST ADDITION STORMWATER MASTER PLAN EAST

CADD FILE: 0002301

P-18159A Eng. As-Built

TURTLE CREEK SOUTH FIRST ADDITION STORMWATER MASTER PLAN (WEST)



60 30 0 60 120
SCALE FEET
CONTOUR INTERVAL = 1 FOOT

TBM
BASED ON FOUND B.M. NO. 62
PER SPOKANE VALLEY INTERCEPTOR
PLANS, CONSTRUCTION PACKAGE NO. V,
SHEET 15 OF 20, BY BOVAY ENGINEERS, INC.
ELEVATION = 2032.21

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: 1815A
DATE ACCEPTED: 12/12/03

LEGEND

- 2045 — EXISTING CONTOUR LINE
- PROPOSED ROADWAY
- WETLAND BUFFER ZONE
- STORMWATER OVERFLOW AREA
- STORMWATER TREATMENT AREA
- PROPOSED CATCH BASIN
- PROPOSED STORMWATER MANHOLE
- EXISTING STORMWATER MANHOLE
- DRAINAGE FLOW ARROW
- PROPOSED OUTLET STRUCTURE
- —ST— PROPOSED STORM PIPE
- —ST— EXISTING STORM PIPE
- PROPOSED PEDESTRIAN PATHWAY
- PROPOSED SIDEWALK
- PROPOSED STORMWATER DITCH
- PROPOSED CURB INLET
- PROJECT PHASE BOUNDARY
- PROPOSED SIDEWALK INLET
- WETLAND BUFFER TREE
- WETLAND BUFFER SHRUB
- WETLAND TREE
- WETLAND BUFFER BOUNDARY MARKER

GENERAL NOTES:

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Developer's Approval ORIGINALLY SIGNED BY RICHARD T. DAHM – PRESIDENT *Date* 05/13/02

MARK A. ARNESON — STATE OF WASHINGTON — 24681 — REGISTERED PROFESSIONAL ENGINEER — 12/11/03
EXPIRES 03/10/05

REVISIONS
1. REVISED PER REVIEW COMMENTS DATED 5/30/01
2. RESUBMITTED FOR FINAL APPROVAL 10/23/01
3. RECORD DRAWING 11/20/03

DWN: CWD DATE: 04/25/01
CK'D: SAA DATE: 04/26/01

Taylor Engineering, Inc.
Civil Design and Land Planning
W. 106 Mission Ave.
Spokane, Washington 99201
(509) 328-3371 FAX (509) 328-8224

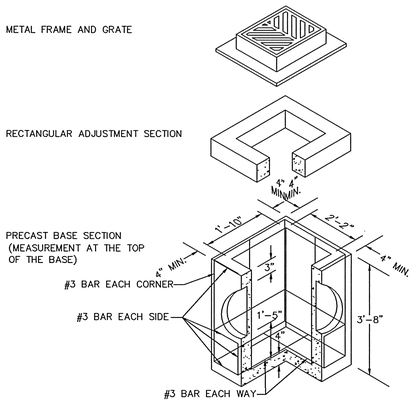
SCALE: 1"=60'

SHEET 10 OF 12

TURTLE CREEK SOUTH
FIRST ADDITION
STORMWATER MASTER PLAN WEST

CADD FILE: 0002302

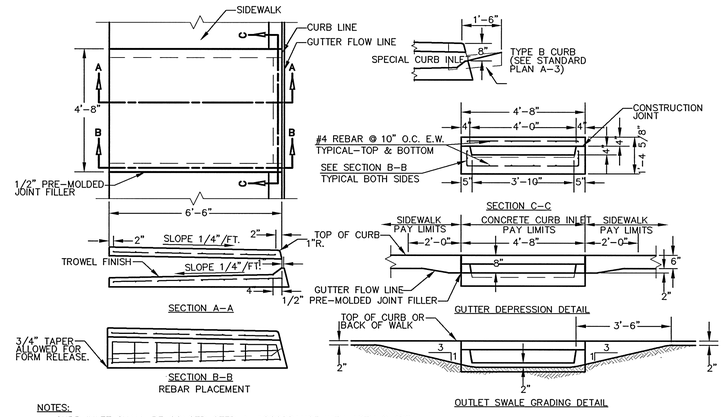
P-1815A Eng As-Builts



NOTES:

1. CATCH BASINS TO BE CONSTRUCTED IN ACCORDANCE WITH ASTM C 478 (AASHTO M 199) & ASTM C 890 UNLESS OTHERWISE SHOWN ON PLANS OR NOTED IN THE STANDARD SPECIFICATIONS.
2. AS AN ACCEPTABLE ALTERNATIVE TO REBAR, WELDED WIRE FABRIC HAVING A MINIMUM AREA OF 0.12 SQUARE INCHES PER FOOT MAY BE USED. WELDED WIRE FABRIC SHALL COMPLY TO ASTM A 497 (AASHTO M 221). WIRE FABRIC SHALL NO BE PLACED IN THE KNOCKOUTS.
3. THE BOTTOM OF THE PRECAST SECTION MAY BE ROUNDED.
4. PRECAST BASES SHALL BE FURNISHED WITH CUTOUTS OR KNOCKOUTS. KNOCKOUTS SHALL HAVE A WALL THICKNESS OF 2" MIN.
5. KNOCKOUTS MAY BE ON ALL 4 SIDES WITH A MAXIMUM DIAMETER OF 20". KNOCKOUTS MAY BE EITHER ROUND OR "D" SHAPED. PIPE TO BE INSTALLED IN FACTORY SUPPLIED
6. KNOCKOUTSOR CUTOUT HOLE SIZE IS EQUAL TO PIPE OUTER DIAMETER PLUS CATCH BASIN WALL THICKNESS.
7. THE MAXIMUM DEPTH FROM THE FINISHED GRADE TO THE PIPE INVERT IS 5'-0".
8. THE TAPER ON THE SIDES OF THE PRECAST BASE SECTION AND RISER SECTION SHALL NOT EXCEED 1/2"/FT.
9. CATCH BASIN FRAME AND GRATE SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATIONS AND MEET THE STRENGTH REQUIREMENTS OF FEDERAL SPECIFICATIONS RR-F-621D. MATING SURFACES SHALL BE FINISHED TO ASSURE NON-ROCKING FIT.
10. FRAME AND GRATE MAY BE INSTALLED WITH FLANGE DOWN OR CAST INTO RISER.

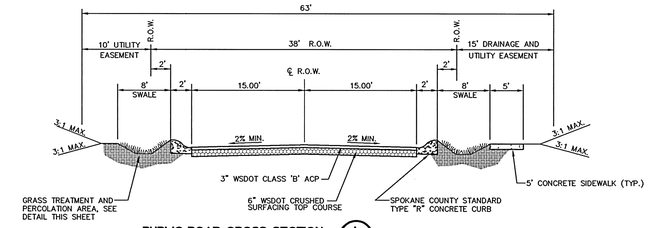
1 / 9,10 SPOKANE COUNTY TYPE 1 CATCH BASIN
NOT TO SCALE



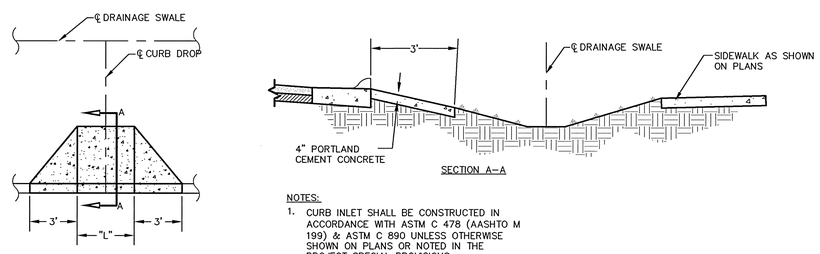
NOTES:

1. CURB INLET SHALL BE CONSTRUCTED IN ACCORDANCE WITH ASTM C 478 (AASHTO M 199) & ASTM C 890 UNLESS OTHERWISE SHOWN ON PLANS OR NOTED IN THE PROJECT SPECIAL PROVISIONS.
2. TOP SURFACE TO BE BROOM FINISHED.
3. TALL EXTERNAL EDGES NOT LABELED SHALL BE TROWELLED WITH 1/4" RADIUS EDGER.

2 / 9,10 SPOKANE COUNTY TYPE 2 CURB INLET
NOT TO SCALE



PUBLIC ROAD CROSS-SECTION A / 5-7
N.T.S.



NOTES:

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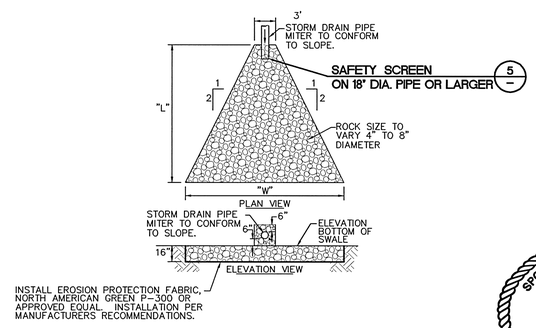
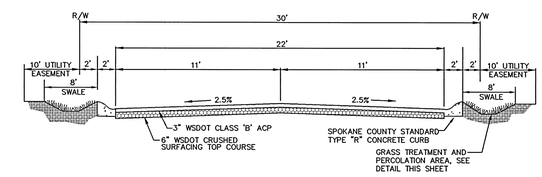
2. TOP SURFACE TO BE BROOM FINISHED.
3. ALL EXTERNAL EDGES NOT LABELED SHALL BE TROWELLED WITH 1/4" RADIUS EDGER.
4. DIMENSION "L" SHALL BE SHOWN ON PLANS.

3 / 9,10 SPOKANE COUNTY TYPE 1 CURB INLET
NOT TO SCALE

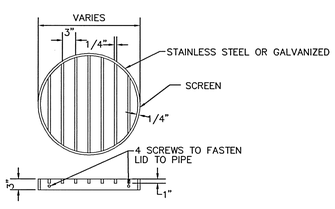


4 / 9,10 OUTLET STRUCTURE
NOT TO SCALE

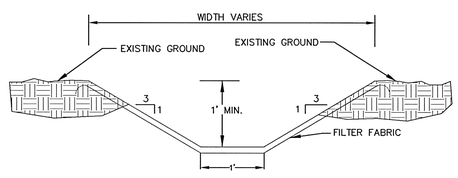


PRIVATE ROAD CROSS-SECTION B / 7
N.T.S.

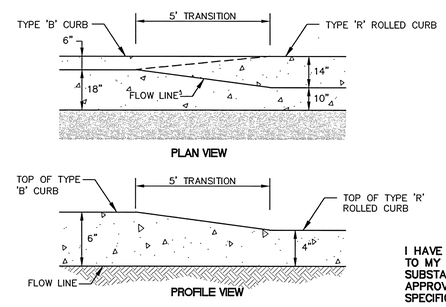
SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: 1815 A
DATE ACCEPTED: 12/12/03



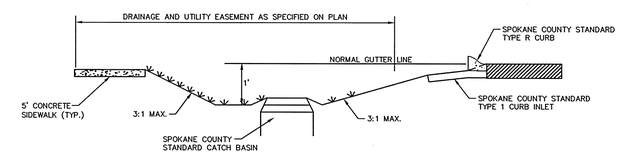
5 / - SAFETY SCREEN
NOT TO SCALE



6 / 9,10 STORMWATER DITCH
NOT TO SCALE



7 / 6,8 CURB TRANSITION
NOT TO SCALE



GRASS TREATMENT AND PERCOLATION AREA WITH DRAINAGE STRUCTURE D / -
N.T.S.

I HAVE REVIEWED THE CONSTRUCTION AND TO MY KNOWLEDGE FIND IT TO BE IN SUBSTANTIAL CONFROMANCE WITH THE APPROVED CERTIFIED PLANS AND STANDARD SPECIFICATIONS EXCEPT AS NOTED.

MARK A. AROUCH
STATE OF WASHINGTON
24681
REGISTERED PROFESSIONAL ENGINEER
12/11/03
EXPIRES 03/10/05

REVISIONS	
1. RECORD DRAWING	
DWN: CWD	DATE: 05/01/01
CK'D: SAA	DATE: 04/19/01

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W. 106 Mission Ave.
Spokane, Washington 99201
(509) 326-3371 FAX (509) 326-8224

SCALE: N.T.S.

SHEET 11 OF 12

TURTLE CREEK SOUTH FIRST ADDITION DETAIL SHEET

CADD FILE: 00023DET

P 1815 A Eng As-Built